



S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY
11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

PURSUANT TO THE PROVISIONS OF AB 361, THIS MEETING WILL BE CONDUCTED VIRTUALLY WITH THE OPPORTUNITY FOR PUBLIC COMMENT. ALL VOTES TAKEN WILL BE CONDUCTED BY ORAL ROLL CALL.

This meeting will be accessible as follows:

| Meeting Access Via Computer (Zoom)*: | Meeting Access Via Telephone*: |
|---|---|
| <ul style="list-style-type: none"> https://sawpa.zoom.us/j/81790489308 | <ul style="list-style-type: none"> 1 (669) 900-6833 |
| <ul style="list-style-type: none"> Meeting ID: 817 9048 9308 | <ul style="list-style-type: none"> Meeting ID: 817 9048 9308 |
| * Participation in the meeting via the Zoom app (a free download) is strongly encouraged | |

REGULAR COMMISSION MEETING TUESDAY, OCTOBER 19, 2021 – 9:30 A.M.

AGENDA

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE (Jasmin Hall, Chair)

2. ROLL CALL

3. PUBLIC COMMENTS

Members of the public may address the Commission on items within the jurisdiction of the Commission; 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).

4. ITEMS TO BE ADDED OR DELETED

5. CONSENT CALENDAR

All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Commission by one motion as listed below.

- A. APPROVAL OF MEETING MINUTES: OCTOBER 5, 20217
Recommendation: Approve as posted.

6. NEW BUSINESS

- A. RESOLUTION FOR IMPLEMENTATION OF AB 361 (CM#2021.74)13
Presenter: Jeff Mosher
Recommendation: Adoption of Resolution No. 2021-8 Proclaiming A State of Emergency Persists, Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom, and Authorizing Remote Teleconference Meetings of all Commission and Committee meetings of the Santa Ana Watershed Project Authority for the period of October 19, 2021 to November 18, 2021 pursuant to Brown Act Provisions.

| | | |
|------|---|-----|
| B. | <u>PROPOSITION 1 ROUND 2 INTEGRATED REGIONAL WATER MANAGEMENT GRANT COMPETITION PROCESS APPROVAL (CM#2021.75)</u>21 | 21 |
| | This item is subject to the provisions of Project Agreement 25 | |
| | Presenter: Ian Achimore | |
| | Recommendation: Adoption of the updated OWOW rating and ranking criteria and modifications to the Proposition 1 IRWM Implementation Grant – OWOW Program Policy subject to major revisions as a result of the scheduled October 2021, Department of Water Resources draft Proposition 1 Round 2 Proposal Solicitation Package (PSP) release. | |
| C. | <u>SANTA ANA RIVER WATERSHED WEATHER MODIFICATION PILOT PROGRAM CEQA CONSULTANT (CM#2021.76)</u>45 | 45 |
| | This item is subject to the provisions of Project Agreement 25 | |
| | Presenter: Mark Norton | |
| | Recommendation: Authorize the General Manager to execute a General Services Agreement and Task Order CES370-01 for an amount not-to-exceed \$63,271.58 with Catalyst Environmental Solutions to conduct the Santa Ana River Watershed Weather Modification Pilot Program CEQA. | |
| D. | <u>SANTA ANA RIVER WATERSHED WEATHER MODIFICATION PILOT PROGRAM OUTREACH (CM#2021.77)</u>87 | 87 |
| | This item is subject to the provisions of Project Agreement 25 | |
| | Presenter: Mark Norton | |
| | Recommendation: Receive and file. | |
| | | |
| 7. | <u>INFORMATIONAL REPORTS</u> | |
| | Recommendation: Receive for information. | |
| A. | <u>CASH TRANSACTIONS REPORT – AUGUST 2021</u>111 | 111 |
| | Presenter: Karen Williams | |
| B. | <u>INTER-FUND BORROWING – AUGUST 2021 (CM#2021.78)</u>117 | 117 |
| | Presenter: Karen Williams | |
| C. | <u>PERFORMANCE INDICATORS/FINANCIAL REPORTING – AUGUST 2021 (CM#2021.79)</u>123 | 123 |
| | Presenter: Karen Williams | |
| D. | <u>PROJECT AGREEMENT 25 – OWOW FUND – FINANCIAL REPORT, JULY 2021</u>145 | 145 |
| | Presenter: Karen Williams | |
| E. | <u>PROJECT AGREEMENT 26 – ROUNDTABLE FUND – FINANCIAL REPORT, JULY 2021</u>149 | 149 |
| | Presenter: Karen Williams | |
| F. | <u>OWOW QUARTERLY STATUS REPORT: JULY 1, 2021 – SEPTEMBER 30, 2021</u>153 | 153 |
| | Presenter: Mark Norton | |
| G. | <u>ROUNDTABLES QUARTERLY STATUS REPORT: JULY 1, 2021 – SEPTEMBER 30, 2021</u>159 | 159 |
| | Presenter: Mark Norton | |
| H. | <u>GENERAL MANAGER REPORT</u>171 | 171 |
| | Presenter: Jeff Mosher | |

- I. [STATE LEGISLATIVE REPORT](#)177
 Presenter: Jeff Mosher
- J. [CHAIR’S COMMENTS/REPORT](#)
- K. [COMMISSIONERS’ COMMENTS](#)
- L. [COMMISSIONERS’ REQUEST FOR FUTURE AGENDA ITEMS](#)

8. CLOSED SESSION

There were no Closed Session items anticipated at the time of the posting of this agenda.

9. ADJOURNMENT

PLEASE NOTE:

Americans with Disabilities Act: If you require any special disability related accommodations to participate in this meeting, call (951) 354-4220 or email svilla@sawpa.org. 48-hour notification prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility for this meeting. Requests should specify the nature of the disability and the type of accommodation requested.

Materials related to an item on this agenda submitted to the Commission 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, Sara Villa, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on October 14, 2021, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted at SAWPA’s office at 11615 Sterling Avenue, Riverside, California.

2021 SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

(NOTE: All meetings begin at 9:30 a.m., unless otherwise noticed, and are held at SAWPA.)

| | |
|-------------------------------------|--|
| September | October |
| 9/7/21 Commission Workshop | 10/5/21 Commission Workshop |
| 9/21/21 Regular Commission Meeting | 10/19/21 Regular Commission Meeting |
| November | December |
| 11/2/21 Commission Workshop | 12/7/21 Commission Workshop |
| 11/16/21 Regular Commission Meeting | 12/21/21 Regular Commission Meeting |
| | 11/30 – 12/3/21 ACWA Fall Conference, Pasadena |

2022 SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

(NOTE: All meetings begin at 9:30 a.m., unless otherwise noticed, and are held at SAWPA.)

| | |
|---|---|
| January 1/4/22 Commission Workshop 1/18/22 Regular Commission Meeting | February 2/1/22 Commission Workshop 2/15/22 Regular Commission Meeting |
| March 3/1/22 Commission Workshop 3/15/22 Regular Commission Meeting | April 4/5/22 Commission Workshop 4/19/22 Regular Commission Meeting |
| May 5/3/22 Commission Workshop 5/17/22 Regular Commission Meeting 5/3 – 5/6/22 ACWA Spring Conference, Sacramento, CA | June 6/7/22 Commission Workshop 6/21/22 Regular Commission Meeting |
| July 7/5/22 Commission Workshop 7/19/22 Regular Commission Meeting | August 8/2/22 Commission Workshop 8/16/22 Regular Commission Meeting |
| September 9/6/22 Commission Workshop 9/20/22 Regular Commission Meeting | October 10/4/22 Commission Workshop 10/18/22 Regular Commission Meeting |
| November 11/1/22 Commission Workshop 11/15/22 Regular Commission Meeting | December 12/6/22 Commission Workshop 12/20/22 Regular Commission Meeting 11/29 – 12/2/22 ACWA Fall Conference, Indian Wells, CA |

SAWPA COMPENSABLE MEETINGS

IMPORTANT NOTE: Due to the spread of COVID-19, and until further notice, the Santa Ana Watershed Project Authority will be holding all upcoming meetings by teleconferencing. Participation information will be included on each posted agenda or meeting notice.

In addition to Commission meetings, Commissioners and Alternate Commissioners will receive compensation for attending the meetings listed below, pursuant to the Commission Compensation, Expense Reimbursement, and Ethics Training Policy.

IMPORTANT NOTE: These meetings are subject to change. Prior to attending any meetings listed below, please confirm meeting details by viewing the website calendar using the following link:

<https://sawpa.org/sawpa-calendar/>

MONTH OF: October 2021

| DATE | TIME | MEETING DESCRIPTION | LOCATION |
|----------|------------|--|------------------------|
| 10/5/21 | 8:30 A.M. | PA 23 Committee Mtg | VIRTUAL/TELEPHONICALLY |
| 10/5/21 | 10:00 A.M. | PA 24 Committee Mtg | VIRTUAL/TELEPHONICALLY |
| 10/12/21 | 8:30 A.M. | PA 22 Committee Mtg | CANCELLED |
| 10/14/21 | 1:30 p.m. | Santa Ana River Watershed Weather Modification Pilot Program Informational Virtual Mtg | VIRTUAL/TELEPHONICALLY |
| 10/19/21 | 1:30 P.M. | MSAR TMDL/Regional WQ Monitoring Task Force Mtg | VIRTUAL/TELEPHONICALLY |
| 10/20/21 | 1:30 P.M. | Lake Elsinore/Canyon Lake TMDL Task Force Mtg | CANCELLED |
| 10/21/21 | 4:00 P.M. | LESJWA Board of Directors Mtg | VIRTUAL/TELEPHONICALLY |
| 10/25/21 | 1:00 P.M. | Imported Water Rechargers Committee Mtg | VIRTUAL/TELEPHONICALLY |
| 10/28/21 | 1:30 P.M. | Basin Monitoring Program Task Force Mtg | VIRTUAL/TELEPHONICALLY |

MONTH OF: November 2021

| DATE | TIME | MEETING DESCRIPTION | LOCATION |
|----------|------------|---|------------------------|
| 11/1/21 | 2:30 P.M. | Emerging Constituents Program Task Force Mtg | VIRTUAL/TELEPHONICALLY |
| 11/2/21 | 10:00 A.M. | PA 24 Committee Mtg | VIRTUAL/TELEPHONICALLY |
| 11/3/21 | 9:00 A.M. | Lake Elsinore/Canyon Lake TMDL Task Force Mtg | VIRTUAL/TELEPHONICALLY |
| 11/9/21 | 8:30 A.M. | PA 22 Committee Mtg | CANCELLED |
| 11/18/21 | 11:00 A.M. | OWOW Steering Committee Mtg | VIRTUAL/TELEPHONICALLY |

Please Note: We strive to ensure the list of Compensable Meetings set forth above is accurate and up-to-date; the list is compiled based on input from SAWPA staff and Department Managers regarding meeting purpose and content.

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**SAWPA COMMISSION
REGULAR MEETING MINUTES
October 5, 2021**

COMMISSIONERS PRESENT

Jasmin A. Hall, Chair, Inland Empire Utilities Agency
Bruce Whitaker, Vice Chair, Orange County Water District
Mike Gardner, Secretary-Treasurer, Western Municipal Water District
David J. Slawson, Eastern Municipal Water District
June D. Hayes, San Bernardino Valley Municipal Water District

COMMISSIONERS ABSENT

None

**ALTERNATE COMMISSIONERS
PRESENT; NON-VOTING**

T. Milford Harrison, Alternate, San Bernardino Valley Municipal Water District
Kelly E. Rowe, Alternate, Orange County Water District

STAFF PRESENT

Jeff Mosher, Karen Williams, Mark Norton, David Ruhl, Marie Jauregui, Ian Achimore, Dean Unger, Sara Villa, Haley Mullan

OTHERS PRESENT

Andrew D. Turner, Lagerlof, LLP; Joe Mouawad, Eastern Municipal Water District; Nick Kanetis, Eastern Municipal Water District; Cathy Pieroni, Inland Empire Utilities Agency; Ken Tam, Inland Empire Utilities Agency; Shivaji Deshmukh, Inland Empire Utilities Agency; Greg Woodside, Orange County Water District; Adekunle Ojo, San Bernardino Valley Municipal Water District; Gil Botello, San Bernardino Valley Municipal Water District; Craig Miller, Western Municipal Water District; Derek Kawaii, Western Municipal Water District; Ryan Shaw, Western Municipal Water District; Brooke Jones, Yorba Linda Water District; Brian Dickinson, City of Colton; Wayne Miller, Yorba Linda Water District; Nelida Mendoza; Kathy Besser; Jake S. Michael Boccadoro, West Coast Advisors; Beth Olhasso, West Coast Advisors

The Regular Meeting of the Santa Ana Watershed Project Authority Commission was called to order at 9:40 a.m. by Chair Jasmin A. Hall on behalf of the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

1. CALL TO ORDER

Pursuant to the provisions of AB 361, this meeting was conducted virtually, and all votes were taken by oral roll call.

2. ROLL CALL

An oral roll call was duly noted and recorded by the Clerk of the Board.

3. PUBLIC COMMENTS

There were no public comments received via email. Jake S., a member of the public provided comments on the Weather Modification Pilot Program proposal. Based on the proposal there will be generators installed in the foothills with silver iodide aerosols. He asked about the timeline of when a decision will be reached for consideration of the proposal. Mark Norton noted the earliest the pilot can commence is October 2022 dependent on funding and advised of an informational meeting about the Weather Modification Program scheduled for October 14. Jake S. asked about public outreach before implementing the proposal and how is the community being made aware of the informational meeting scheduled for October 14. Andrew Turner, Legal Counsel noted that the public comments period is for taking public comments, and requested Jake S. follow up with his

questions to Jeff Mosher. Jake S. noted that Weather Modification Program affects everyone living in the valley and that the process needs to include the general public. A decision on this proposal by SAWPA should include input from the public. Jeff Mosher's contact information was provided to Jake S. to address his questions.

4. ITEMS TO BE ADDED OR DELETED

There were no added or deleted items.

5. CONSENT CALENDAR

A. APPROVAL OF MEETING MINUTES: SEPTEMBER 21, 2021

Recommendation: Approve as posted.

B. TREASURER'S REPORT – AUGUST 2021

Recommendation: Approve as posted.

MOVED, to approve the Consent Calendar.

| | |
|----------------|---|
| Result: | Adopted by Roll Call Vote |
| Motion/Second: | Gardner/Whitaker |
| Ayes: | Gardner, Hall, Hayes, Slawson, Whitaker |
| Nays: | None |
| Abstentions: | None |
| Absent: | None |

6. WORKSHOP DISCUSSION AGENDA

A. LEGISLATIVE REPORT

Michael Boccadoro of West Coast Advisors provided a presentation on the Sacramento Update. The State is facing significant drought conditions, there are reservoirs approaching levels that haven't been seen since 1977. There are expectations that the Governor will be making announcements in terms of some more stringent possibly mandatory reductions and conservation efforts throughout the state as Governor Brown had done during the last drought cycle. Beth Olhasso of West Coast Advisors continued the presentation and provided an update about the bills that remain on the governor's desk. The legislature adjourned on September 10; 2,776 bills were introduced, 1,672 were passed, 703 signed, 5 vetoed, and 396 are awaiting action (as of October 1).

- AB 818 (Bloom): Non-flushable products – Passed and is anticipated to be signed by the Governor.
- SB 273 (Hertzberg): Stormwater Capture – Passed and signed by the Governor.
- SB 222 (Dodd): Water Rate Assistance Program – Held by Author due to not having a funding source, there were concerns about the water tax, and is expected to be brought back in January for action.
- SB 323 (Caballero): Private Right of Action – Passed and signed by the Governor.

Beth Olhasso noted there was a significant surplus between state and federal funding, and there is \$8.2 billion available for drought and climate resilience from 2021-2024. The following packages were referenced as funding opportunities for SAWPA:

- \$200M for multi-benefit projects that align with the goals of IRWM.
- \$650M for drinking water – prioritizing DACs
- \$650M for wastewater – prioritizing septic-to-sewer conversion
- \$400M for recycled water & groundwater cleanup

- \$250M for regional climate resilience – planning and implementation
- \$420M for Transformative Climate Communities Program at Strategic Growth Council

Jeff Mosher informed the Commission that there's been a lot of coordination with the Legislative Committee in terms of tracking the upcoming grant opportunities. Once more detailed information is gathered from each package/program it will be brought back to the SAWPA Commission. Commissioner Hayes and Harrison suggested a future workshop to discuss further on the potential projects for the grant opportunities, and requested the information be shared with the Commission and the member agencies. Commissioner Gardner noted that with money comes the need for staff to track the funding and we'll need to see if we have all the resources available through SAWPA itself or amongst the member agencies. Chair Hall requested that this item be brought back with a list of projects or suggestions of how we could utilize the funding as well as a communication plan to outreach to each other within the region and possibly set a timeline of 2021-2024.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 6.A.

7. NEW BUSINESS

A. PROPOSITION 1 ROUND 2 INTEGRATED REGIONAL WATER MANAGEMENT GRANT COMPETITION PROCESS (CM#2021.73)

Ian Achimore provided the presentation on the *Proposition 1 Round 2 Integrated Regional Water Management Grant Competition Process*, contained in the agenda packet on pages 21-40. At the OWOW Steering Committee meeting on September 23, 2021, SAWPA staff presented and the OWOW Steering Committee adopted the following changes to the rating and ranking criteria:

- Benefit area clarification for inland water bodies to include a ten-mile buffer area,
- A replacement of Round 1's two competition pools of large and small projects, to two new pools for general implementation and disadvantaged community (DAC) projects,
 - The DAC competition pool will also allow for single benefit and single jurisdictional projects to request grant funding. This update will require modifications to OWOW Steering Committee's Proposition 1 Integrated Regional Water Management (IRWM) Implementation Grant – OWOW Program Policy.
- Ranking formula updates including:
 - Combining of benefit categories and rounding of weighting factors,
 - Adding extra percentage point categories.

The draft Project Solicitation Package (PSP) is anticipated to be released October 2021 and the OWOW Call for Projects would be scheduled from November 2021 to February 2022. SAWPA staff is recommending competition pool draft update for Round 2. The recommended Round 2 competition pools, not including the North Orange County portion, is for approximately \$18,530,100. After the rating and ranking process, comes the OWOW participatory budgeting process; where Stakeholder Workshops will be held with the goals of transparency, objectivity, and deliberation to receive input on the projects proposed as was done for the OWOW Call for Projects for Proposition 1 Round 1 IRWM funding. Commissioner Slawson noted that rating the different projects is almost impossible to take out the subjectivity and believes that SAWPA staff has done a real good job in trying to quantify properties and scoring each project appropriately. Commissioner Harrison noted that he was a part of the Round 1 process and attended the workshops where every applicant was given

the opportunity to present and defend their project, which helped eliminate some of the subjectivity and is looking forward to seeing the same process with Round 2. Commissioner Gardner questioned if there is a mechanism to determine if the project is long-term or short-term and beneficial in the long run. Mark Norton noted that the Department of Water Resources (DWR) requires that the projects have a lifetime of 15 years, at least, and there are monitoring requirements for grant proponents to ensure that the project is operating and meeting the long-term requirements.

Mark Norton provided a supplemental presentation titled *OWOW Funding Urban and Multi-benefit Drought Relief Grant Program*. The grant guidelines and PSP were released by DWR on September 23, 2021. There is \$190 million in grant funding available for immediate relief in response to California drought conditions. It addresses immediate impacts on human health, safety, fish and wildlife resources, and to provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies. \$50 million is set aside statewide to support Underrepresented Communities and Native American Tribes, included in the Proposition 1 IRWM Disadvantaged Community Involvement (DACI) Program. Applicants must be an existing grantee (SAWPA), and it awards up to \$5 million to fund eligible drought relief projects benefiting underrepresented communities or tribes in the funding area. Written comments on the draft PSP are due to DWR by October 8 and SAWPA is anticipated to prepare and submit a comment letter to DWR. Commissioner Harrison suggested selecting the DAC projects that didn't get funded in Round 1. Mark Norton noted he will reach out to the project proponents and advise of this funding opportunity. It was requested that the presentation be provided to the Commission and posted to the SAWPA website.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 7.A.

8. INFORMATIONAL REPORTS

Recommendation: Receive for Information.

A. CHAIR'S COMMENTS/REPORT

There were no Chair comments.

B. COMMISSIONERS' COMMENTS

There were no Commissioner comments.

C. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

There were no Commissioners' request for future Agenda items.

Chair Hall recessed the meeting at 11:30 a.m. for Closed Session.

9. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – PURSUANT TO GOVERNMENT CODE SECTION 54956.9(d)(1)

Name of Case: McKenney vs. Santa Ana Watershed Project Authority, et al.
Riverside County Superior Court Case No. CVRI 2000088

10. CLOSED SESSION REPORT

Chair Hall resumed Open Session at 11:35 a.m. and Legal Counsel, Andy Turner announced that the SAWPA Commission received a report from SAWPA staff and counsel; no action was taken on Agenda Item No. 9.A.

11. ADJOURNMENT

There being no further business for review, Chair Hall adjourned the meeting at 11:35 p.m.

Approved at a Regular Meeting of the Santa Ana Watershed Project Authority Commission on Tuesday, October 19, 2021.

Jasmin A. Hall, Chair

Attest:

Sara Villa, Clerk of the Board

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COMMISSION MEMORANDUM NO. 2021.74

DATE: October 19, 2021
TO: SAWPA Commission
SUBJECT: Resolution for Implementation of AB 361
PREPARED BY: Jeff Mosher, General Manager

RECOMMENDATION

That the Commission consider adopting Resolution No. 2021-8 Proclaiming A State of Emergency Persists, Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom, and Authorizing Remote Teleconference Meetings of all Commission and Committee meetings of the Santa Ana Watershed Project Authority for the period of October 19, 2021 to November 18, 2021 pursuant to Brown Act Provisions.

DISCUSSION

On September 16, Governor Newsom signed into law AB 361, which suspended the Brown Act's existing teleconferencing requirements so long as the state-declared state of emergency in California. A Resolution must be executed every 30 days under AB 361 for the initial and subsequent findings under AB 361 in order to continue to utilize the relaxed teleconferencing requirements for board meetings (including committee meetings) subject to the Brown Act. AB 361 applies only to a state-declared state of emergency and not to a locally-declared emergency; and AB 361 will only remain in effect until January 1, 2024, unless the State Legislature takes action to extend it or make it permanent. The following is a brief summary of AB 361's pertinent provisions.

- 1. Posting of Agendas.** The Brown Act currently requires that a local agency post agendas at all teleconference locations. Thus, if a director is calling in from a hotel room in Las Vegas, the director would need to post the agenda on his or her hotel room door. AB 361 removes the requirement that agendas must be posted at all teleconference locations. Therefore, under AB 361, the director can call from his or her Las Vegas hotel room without having to post the agenda on the hotel room door.

AB 361 does not change the general agenda posting requirements under the Brown Act. Thus, agencies should continue to post their agendas at least 72 hours before a regular board meeting and 24 hours before a special board meeting, and those postings should occur in the usual locations, including on the agency's website.

- 2. Location of Teleconferencing Participants.** The Brown Act currently requires a local agency that uses teleconferencing, to identify each teleconference location in the notice and agenda of the meeting or proceeding, and each teleconference location must be accessible to the public. Under this requirement, if a director was calling into a meeting from the Las Vegas hotel room, the director would need to allow members of the public into his or her hotel room for the meeting. Also, the Brown Act currently requires that at least a quorum of

the members of a legislative body must participate in the meeting (even if by teleconference) from locations within the agency's boundaries.

AB 361 excuses compliance with those requirements and agendas for meetings held in accordance with AB 361 are not required to identify each teleconference location and each location does not need to be accessible to the public (but see Item 3, below). In addition, there is no requirement under AB 361 that at least a quorum of the board members must be located within the agency's boundaries.

- 3. Public Access and Comments.** As stated above, local agencies are not required to make each teleconference location accessible to the public. However, the board meetings must remain open to the public and the agenda must include the manner by which members of the public may access the meeting remotely to offer public comment, including by a call-in option or an internet-based service option, such as meeting invite web address or call-in phone number, with passcode. Members of the public must be allowed to access the meeting and to address the legislative body directly, either during a general public comment period or before any individual actions are taken. Also, AB 361 clarifies that an agency may not require members of the public to submit their comments in advance of a meeting.

Public comments, either written or made by remote connection, must be accepted until the point at which the public comment period is formally closed. Any registration or sign-up period for public comments can only be closed when the public comment period is formally closed. Where public comments are accepted in a public comment period for each agenda item, the agency must allow a reasonable amount of time during each agenda item to allow the public the opportunity to provide comments, including time for members of the public to register or otherwise be recognized for the purpose of providing public comment.

- 4. Registration Issue.** The Brown Act has long prohibited the use of mandatory registration or "sign-ups" to attend public meetings or to provide public comment. Based on that prohibition, the Brown Act would present a significant problem for meetings that use a teleconference platform that requires participants to register for an account, even when it is not the local agency establishing that requirement. AB 361 solves that problem by allowing local agencies to use platforms which, incidental to their use and deployment, require users to register for an account with that platform, so long as the platform is not under the control of the local agency. Thus, an agency can use a platform that requires a registration to participate without violating the Brown Act.
- 5. Technological Disruption of Meeting.** AB 361 addresses what must occur in the event a technical difficulty interrupts a board meeting. Under AB 361, if a public comment line unexpectedly disconnects, a meeting agenda was sent out with the incorrect web link or dial-in information, the local agency's internet connection is interrupted, or other similar circumstances occur, the agency must stop the ongoing meeting and try to resolve the issue before continuing with the meeting agenda. If the meeting disruption cannot be resolved, the agency should not take any further action on agenda items and should end the meeting.

Failure to do so risks having any actions that were taken during the period of disruption set aside in a legal action.

6. Required Findings. AB 361 allows for teleconferencing under its provisions to occur in three scenarios:

- 1) The local agency is holding a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing; or
- 2) The local agency is holding a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees; or
- 3) The local agency is holding a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

AB 361 provides that if a state of emergency remains active, or state or local officials have imposed or recommended measures to promote social distancing, in order to continue to teleconference without complying with the Brown Act's existing teleconferencing requirements, the agency's board of directors must, no later than 30 days after teleconferencing for the first time under AB 361, and every 30 days thereafter, making the following findings by at least majority vote:

- 1) The legislative body has reconsidered the circumstances of the state of emergency; and
- 2) Any of the following circumstances exist: (a) the state of emergency continues to directly impact the ability of the members to meet safely in person; or (b) state or local officials continue to impose or recommend measures to promote social distancing.

CRITICAL SUCCESS FACTORS

None.

RESOURCE IMPACTS

None.

Attachments:

1. Resolution No. 2021-8

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RESOLUTION NO. 2021-8

A RESOLUTION OF THE COMMISSION OF THE SANTA ANA WATERSHED PROJECT AUTHORITY (SAWPA) PROCLAIMING A STATE OF EMERGENCY PERSISTS, RATIFYING THE PROCLAMATION OF A STATE OF EMERGENCY BY GOVERNOR GAVIN NEWSOM, AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF ALL COMMISSION AND COMMITTEE MEETINGS OF THE SANTA ANA WATERSHED PROJECT AUTHORITY FOR THE PERIOD OCTOBER 19, 2021 TO NOVEMBER 18, 2021 PURSUANT TO BROWN ACT PROVISIONS

WHEREAS, the Commission of the Santa Ana Watershed Project Authority (“SAWPA”) is committed to preserving and nurturing public access and participation in meetings of its Commissioners; and

WHEREAS, all meetings of SAWPA’s Commission and its standing committees (PA 22, PA 23, PA 24, and OWOW Steering Committee) are open and public, as required by the Ralph M. Brown Act (California Government Code Sections 54950 – 54963), so that any member of the public may attend, participate, and watch those bodies conduct their business; and

WHEREAS, the Brown Act, in Government Code Section 54953(e), makes provision for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code Section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition for application of Section 54953(e) is that a state of emergency is declared by the Governor pursuant to Government Code Section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code Section 8558; and

WHEREAS, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within SAWPA’s boundaries, caused by natural, technological or human-caused disasters; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, such conditions now exist in SAWPA, specifically, COVID-19, and its Delta variant, remain highly contagious and, therefore, a threat to the health, safety and well-being of the SAWPA’s employees, directors, vendors, contractors, customers and residents; and

WHEREAS, orders from the Los Angeles County Department of Public Health and regulations from the State of California impose limitations on gatherings and provide guidance on best practices with respect to actions to reduce the spread of COVID-19; and

WHEREAS, SAWPA's Commission does hereby find that a state of emergency exists within SAWPA's service area as a result of the continuing presence of COVID-19 and resulting local, state and federal orders and guidance, which has caused, and will continue to cause, conditions of peril to the safety of persons within SAWPA that are likely to be beyond the control of services, personnel, equipment, and facilities of SAWPA, and the Commission desires to affirm a local emergency exists and ratify the proclamation of state of emergency by the Governor of the State of California; and

WHEREAS, as a consequence of the local emergency, SAWPA does hereby find that SAWPA's Commission and all standing committees shall conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code Section 54953, as authorized by subdivision (e) of Section 54953, and that such legislative bodies shall continue to comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of Section 54953; and

WHEREAS, SAWPA will continue to provide proper notice to the public regarding all SAWPA's Commission and standing committee meetings, in accordance with Government Code Section 54953(e)(2)(A) and shall provide notice to the public of how they may access any such meeting via call-in number and/or internet link.

NOW, THEREFORE, the SAWPA Commission does hereby resolve as follows:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Proclamation Regarding Local Emergency. The Commission hereby considers the conditions of the state of emergency in SAWPA and proclaims that a local emergency now exists throughout SAWPA, and that conducting SAWPA Commission and standing committee meetings virtually will minimize the possible spread COVID-19 and any variant thereof.

Section 3. Ratification of Governor's Proclamation of a State of Emergency. The Commission hereby ratifies the Governor of the State of California's Proclamation of State of Emergency regarding of COVID-19, dated March 4, 2020.

Section 4. Remote Teleconference Meetings. The SAWPA's General Manager, or his or her delegee, and the Commission and standing committees of SAWPA are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, continuing to conduct open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

Section 5. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of (i) the expiration of thirty (30) days from the date this Resolution was adopted, as set forth below, or (ii) such time as SAWPA adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the SAWPA Commission and standing committees of SAWPA may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

ADOPTED this 19th Day of October, 2021.

SANTA ANA WATERSHED PROJECT AUTHORITY

By:

Jasmin A. Hall, Chair

Attest:

Sara Villa, Clerk of the Board

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COMMISSION MEMORANDUM NO. 2021.75

DATE: October 19, 2021

TO: SAWPA Commission

SUBJECT: Proposition 1 Round 2 Integrated Regional Water Management Grant Competition Process Approval

PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION

The OWOW Steering Committee recommends adoption of the updated OWOW rating and ranking criteria and modifications to the Proposition 1 IRWM Implementation Grant – OWOW Program Policy subject to major revisions as a result of the scheduled October 2021, Department of Water Resources draft Proposition 1 Round 2 Proposal Solicitation Package (PSP) release.

DESCRIPTION

With the release of a Proposition 1 Round 2 IRWM PSP from the California Department of Water Resources (DWR), the OWOW Steering Committee and SAWPA Commission become responsible for approving a portfolio of projects that is eligible for the funding opportunity, is located within the Santa Ana IRWM Funding Area (i.e. the Santa Ana River Watershed), is suitably ready to proceed, has sufficient local match funding identified, and provides benefits to the watershed in line with the goals of the Santa Ana River Watershed's approved IRWM Plan - the OWOW Plan Update 2018.

One critical aspect of the process of developing a suite of projects for the grant proposal is the development and application of a set of rating and ranking criteria. The criteria are used to assess and rank all the competing projects in a way that is transparent and reflects the priorities of the OWOW Plan Update 2018.

The current criteria were adopted by the SAWPA Commission in December 2018 in tandem with the OWOW Call for Projects for Proposition 1 Round 1 IRWM funding. Now that DWR is preparing to release their draft PSP, scheduled for October 2021, SAWPA is focused on working with the OWOW Steering Committee, SAWPA Commission and watershed stakeholders on developing final rating and ranking criteria for Proposition 1 Round 2, as well as implementing the communication plan that the OWOW Steering Committee approved at their May 2021 meeting. The communication plan implementation has allowed SAWPA to highlight the upcoming OWOW Call for Projects and possible changes to the rating and ranking criteria.

At the recent OWOW Steering Committee meeting on September 23, 2021, the committee adopted the following changes to the rating and ranking criteria. These changes were then presented to the SAWPA Commission for feedback at their October 4, 2021 meeting:

- Benefit area clarification for inland water bodies to include a ten-mile buffer area,
- A replacement of Round 1's two competition pools of large and small projects, to two new pools for general implementation and disadvantaged community (DAC) projects,

- The DAC competition pool will also allow for single benefit and single jurisdictional projects to request grant funding. This update will require modifications to OWOW Steering Committee’s Proposition 1 IRWM Implementation Grant – OWOW Program Policy.
- Ranking formula updates including:
 - Combining of benefit categories and rounding of weighting factors,
 - Adding extra percentage point categories including if the project involves a 501(c)(3) non-profit partner.

As a result of the October 4, 2021 SAWPA Commission update, SAWPA staff has made one clarification under the detailed description of the regional benefit category which applies to just general implementation projects. Through the addition of the text “(or equivalent impact)” below, it will allow SAWPA governance the flexibility to decide if the project reflects the regional goals of this IRWM region’s adopted IRWM Plan, the OWOW Plan Update 2018. After the Call for Projects closes, staff will take a recommendation of the successful projects who have competed in the process. At that stage both the OWOW Steering Committee and SAWPA Commission will approve the final list of successful projects and the amount of grant funding they are to receive.

Table 1: Excerpt from General Implementation Benefit Category Table

| Benefit Category | Impact on Project Score | Category Information (Clarification in bold) |
|------------------|-------------------------|--|
| Regional Benefit | Extra 15% | Benefit area (or equivalent impact) covers approximately 75% or more of IRWM Funding Area, including adjacent IRWM Regions. |

As discussed at the October 4th Commission meeting, this meeting’s recommendation to the Commission by the OWOW Steering Committee includes an important caveat that allows for flexibility. If DWR’s draft PSP is released this month (as currently stated by DWR staff) and has minimal changes that impact the OWOW rating and ranking criteria updates, there would be no need for SAWPA to re-approach the OWOW Steering Committee with a modified recommendation. In this scenario, the OWOW Call for Projects would last from November 2021 to February 2022. The recommendation’s caveat also allows for a different scenario in which DWR makes major changes in the draft PSP. If that occurs, the recommendation allows SAWPA to delay the call for projects to gather further input from stakeholders and bring an updated recommendation of the OWOW rating and ranking criteria to the Steering Committee and SAWPA Commission at future meetings.

BACKGROUND

In December 2018 per the recommendation of the OWOW Steering Committee, the SAWPA Commission adopted both an overarching policy, referred to as *the Proposition 1 IRWM Implementation Grant – OWOW Program Policy*, as well as the current rating and ranking criteria used in Proposition 1 Round 1. The scoring criteria, and much of the Proposition 1 Round 1 Call for Projects process was described in the OWOW Plan Update 2018, which was also adopted by the SAWPA Commission.

Through the current policy, once a project has been identified as eligible, the project lead will be required to quantify the benefits the completed project will provide this IRWM region. The benefit classes, such as “water supply reliability” are included in the OWOW Plan Update 2018 and reflect the Proposition 1 water bond passed by the California general electorate in November 2014. Each of the benefit classes contains a weighting factor derived from the work of OWOW stakeholders in April 2018 and are adopted by the Steering Committee. As shown in the edits to the policy, modifications are proposed that reflect the combining of the different benefit classes and rounding of the weighted values.

RESOURCE IMPACTS

No Impact.

Attachments:

1. PowerPoint Presentation
2. Modifications to the *Proposition 1 IRWM Implementation Grant – OWOW Program Policy*

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Proposition 1 Round 2 Integrated Regional Water Management Grant Competition Process Approval

Ian Achimore, Senior Watershed Manager
SAWPA Commission | October 19, 2021
Item No. 6.B



Purpose of Presentation

- ▶ Follow up with the Commission regarding OWOW after the October 4th staff update to the Commission, and
- ▶ Receive Commission approval of the OWOW Steering Committee's recommended updates to the rating and ranking criteria.

Rating and Ranking Criteria Changes for Commission Approval

- ▶ Benefit area clarification for inland water bodies to include a ten-mile buffer area,
- ▶ A replacement of Round 1's two competition pools of large and small projects, to two new pools for general implementation and disadvantaged community (DAC) projects,
 - ▶ The DAC benefit pool will also allow for single benefit and single jurisdictional projects to request grant funding. This update will require an update to OWOW Steering Committee's Proposition 1 IRWM Implementation Grant – OWOW Program Policy.
- ▶ Ranking formula updates including:
 - ▶ Combining of benefit categories and rounding of weighting factors,
 - ▶ Adding extra percentage point categories.

Disclaimer About the Recommendation Approved by the Steering Committee

- ▶ If the draft PSP is released in October, 2021 (as currently stated by DWR staff) and has **minimal changes** that impact the OWOW rating and ranking criteria updates, the OWOW Call for Projects would last from November 2021 to February 2022.
- ▶ If DWR makes **major changes** in the draft PSP, the call for projects would be delayed in order to gather further input from stakeholders and bring an updated recommendation of the OWOW rating and ranking criteria to the Steering Committee and SAWPA Commission at future meetings.

Example Projects for General Implementation Category

- ▶ *Integrated Regional Water Management* - what does it mean?
 - ▶ The first word “integrated” = multiple benefits
 - ▶ The second word “regional” = multiple partners, covers a larger area

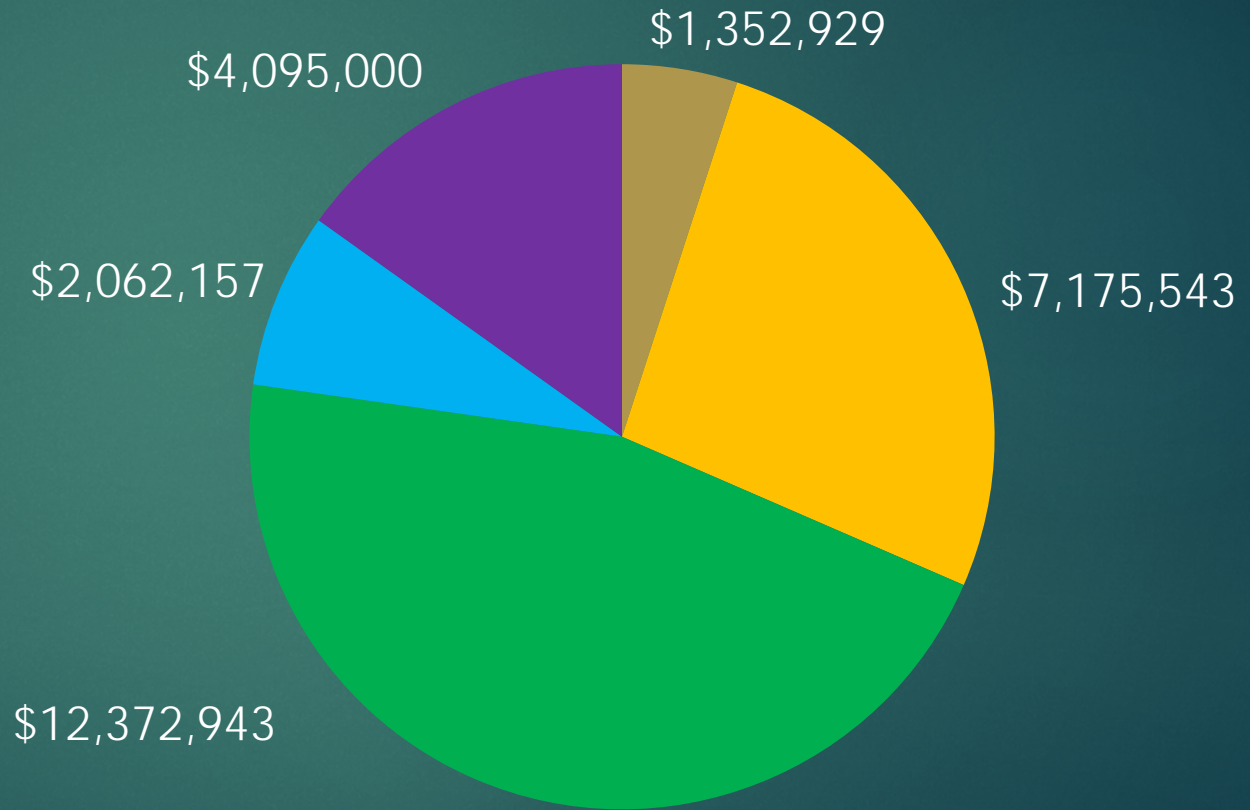
Staff proposing a separate competition pool for DAC single benefit and jurisdictional projects

Prop 1 Round 2 Amounts by Category

Santa Ana River Watershed

Categories created by Agreement executed with North Orange County IRWM Group in 2019:

- Grant Admin
- North Orange County*
- Upper Watershed
- Watershed Wide
- DAC Implementation

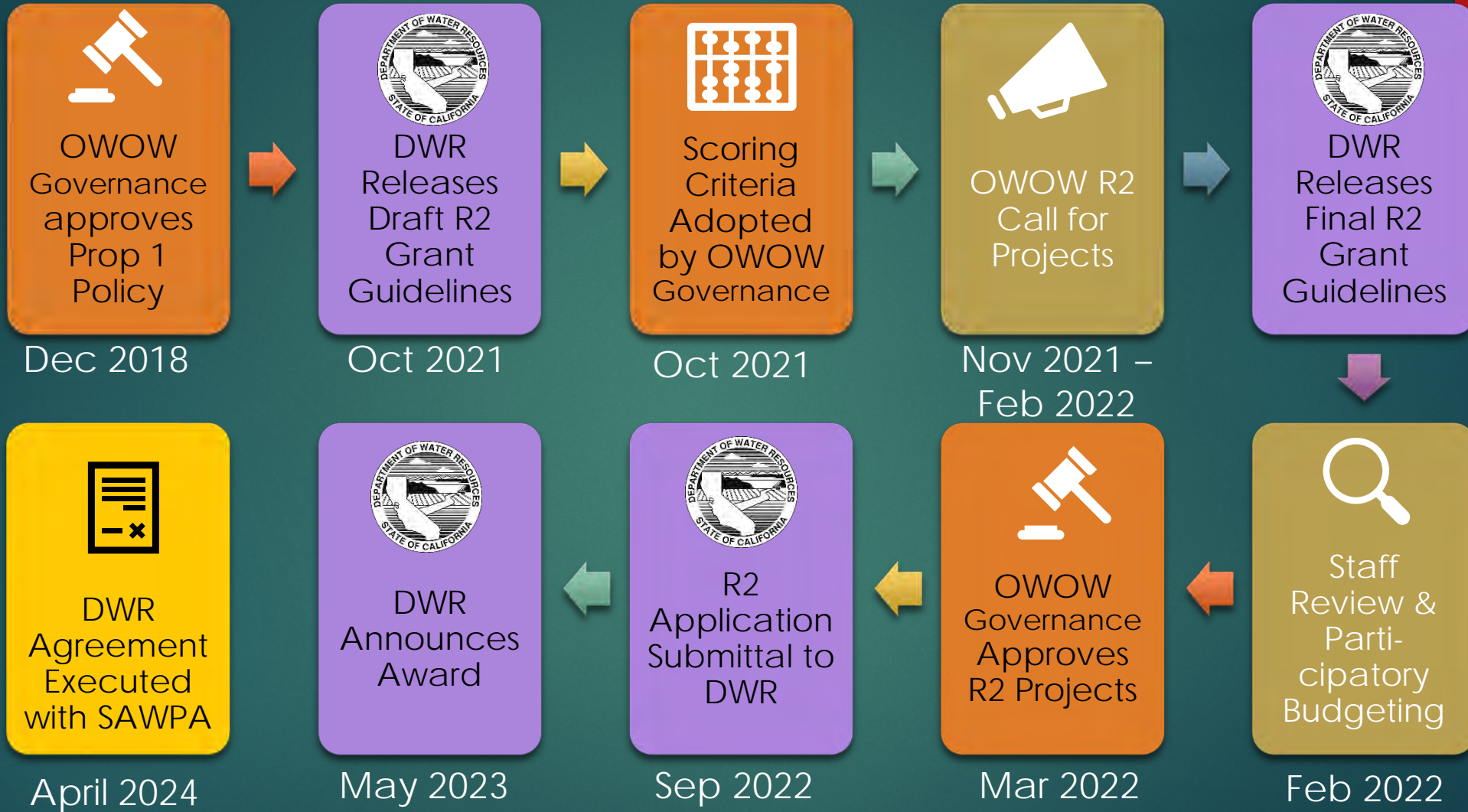


Total = \$27,058,572

High-Level Draft* Round 2 (R2) Schedule

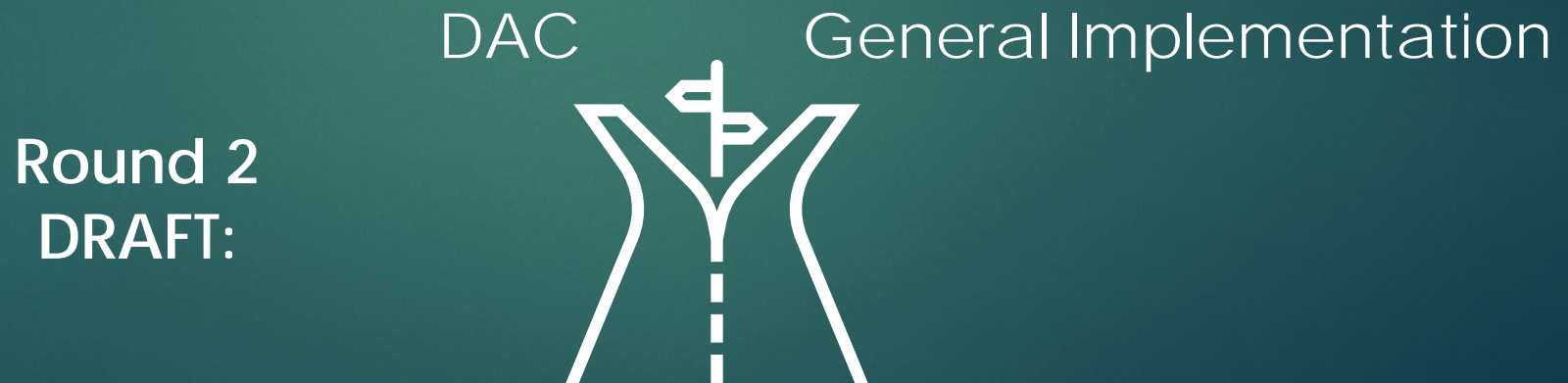
7

Jan 2022



*Schedule assumes DWR will release draft Proposal Solicitation Package (PSP) by October 2021, and all other Round 2 deadlines will reflect the same timing of the Round 1 schedule of events.

Competition Pool Draft Update for Round 2



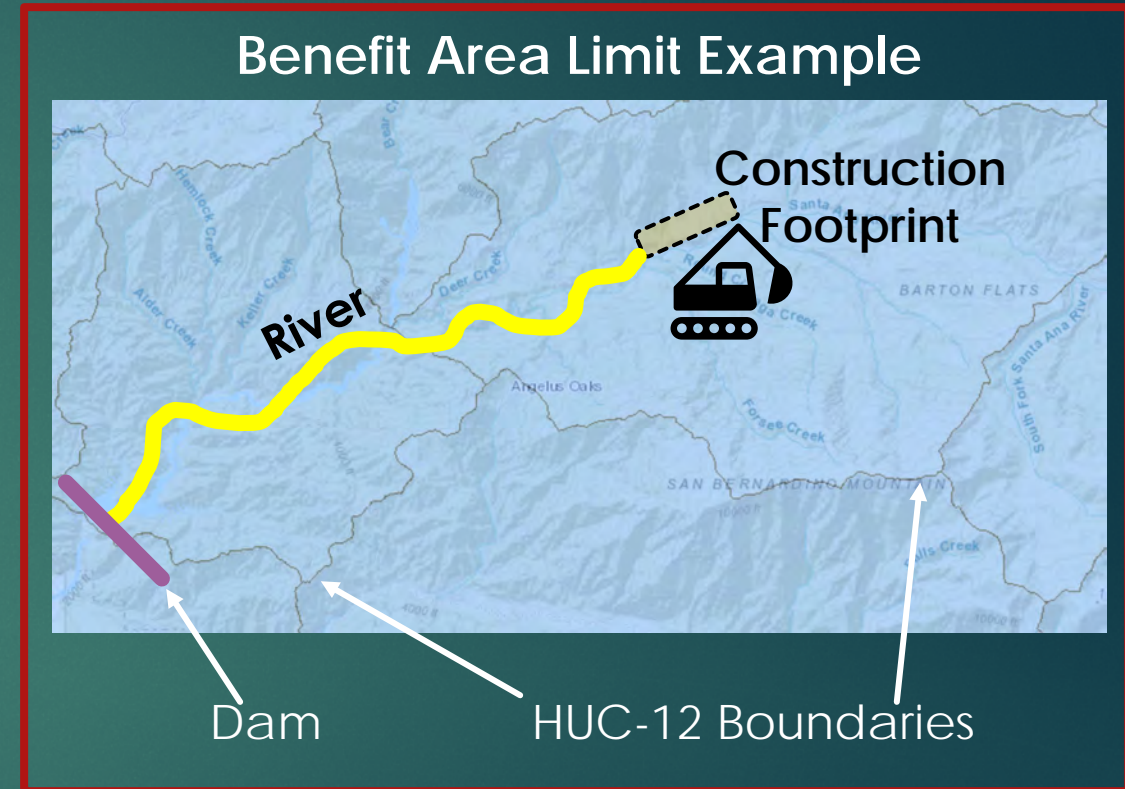
Recommended Round 2 Competition Pools (Not including North OC)

| Competition Pools | Grant Amount |
|------------------------------|---------------------|
| DAC | \$4,095,000 |
| General Implementation | \$14,435,100 |
| Upper Watershed* | \$12,372,9423 |
| Watershed Wide* | \$2,062,157 |
| DAC and General Total | \$18,530,100 |

*Not a competition pool, funding gets distributed after projects are submitted and highest scoring projects are determined.

Benefit Area **Change** Previously Discussed

- ▶ Benefit Area limits include the following (listed by project benefit type):
 - ▶ **Ecosystem Projects:** US Geological Survey designated HUC-12* level watersheds,
 - ▶ **Surface Water Quality and Groundwater Quality:** HUC-12s and DWR-118 Groundwater Basins,
 - ▶ **Coastal water quality/recreation:** 10-mile buffer areas, and
 - ▶ **Inland water body open to public:** 10-mile buffer areas.
 - ▶ Was previously 1/2-mile buffer area, and
 - ▶ Found literature on water quality and recreation that uses 10-mile benefit area.



*HUC = Hydraulic Unit Code (more info: <https://water.usgs.gov/GIS/huc.html>)

Comparison Between Ranking Formulas

Round 1:

$$\sum_{12 \text{ categories}} \left[\left(\frac{x \text{ benefit}}{X \text{ Benefit}} \times 20 \right) \times \text{WF} \right]$$

WF = Weighting Factor
 NGO = Non-Governmental Organization

Round 2*:

$$\sum_{6 \text{ categories}} \left(\frac{x \text{ benefit}}{X \text{ Benefit}} \times \text{WF} \right) + \begin{matrix} \text{If Tribe} \\ \text{Lead} \\ \text{x 10\%} \\ \text{of} \\ \Sigma \text{ in } () \end{matrix} + \begin{matrix} \text{If Regional} \\ \text{x 15\% of} \\ \Sigma \text{ in } () \end{matrix} + \begin{matrix} \text{If New and} \\ \text{Innovative} \\ \text{x 5\% of} \\ \Sigma \text{ in } () \end{matrix} + \begin{matrix} \text{If Non-} \\ \text{Profit} \\ \text{Partner} \\ \text{x 5\% of} \\ \Sigma \text{ in } () \end{matrix}$$

*DAC competition pool has just 3 categories and the Tribal/NGO extra %. DAC also has 10% extra for an NGO that is the project lead (and not just a partner).

Detailed General Implementation Categories (New clarification in purple)

| Benefit Category | Weight | Category Information | Unit |
|---|----------------|---|-------------------------|
| Water Supply | 9 | Amount of water supply provided through innovation and optimization. <i>Can be recycled water.</i> | Acre Feet |
| Water Quality Improvement | 8 | Amount of water quality improved for people or the environment. <i>Can be wastewater.</i> | Million Gallons Per Day |
| Stormwater Protection | 8 | Amount of acres protected from flooding | Acres |
| Habitat Improvement | 7 | Amount of preserved or enhanced natural habitat | Acres |
| Percentage of DAC/EDA Area | 6 | Share of Benefit Area that is DAC/EDA (from +0% to 100%) | Percentage |
| Climate Change Adaptation/Mitigation | 7 | Amount of greenhouse gases removed/avoided from project implementation | Tons of CO2 |
| Tribal Benefit | NA - Extra 10% | Lead applicant is federally recognized Indian Tribe or CA State Indian Tribe listed on the Native American Heritage Commission's CA Tribal Consultation List | Yes/No |
| Regional Benefit | NA - Extra 15% | Benefit area (or equivalent impact) covers approximately 75% or more of IRWM Funding Area, including adjacent IRWM Regions | Yes/No |
| New and Innovative Decision Support Tools | NA - Extra 5% | Project employs new or innovative technology or practice, or is a pilot project. | Yes/No |
| Non-Profit Partner or Lead (501c3) | NA - Extra 5% | Non-profit provides labor, land value, and/or resources, toward implementation of the project. If they are the lead (and not just a partner), project is also eligible for this 5%. | Yes/No |

Detailed DAC Categories

| Benefit Category* | Weight | Category Information | Unit |
|------------------------------------|------------------------|--|-------------------------|
| Water Supply | 9 | Amount of water supply provided | Acre Feet |
| Water Quality Improvement | 8 | Amount of water quality improved | Million Gallons Per Day |
| Stormwater Protection | 8 | Amount of acres protected from flooding | Acres |
| Tribal Benefit | NA – Extra 10% | Lead applicant is federally recognized Indian Tribe or CA State Indian Tribe listed on the Native American Heritage Commission’s CA Tribal Consultation List | Yes/No |
| Non-Profit Partner or Lead (501c3) | NA – Extra 5% (or 10%) | Non-profit provides work, land value, and/or resources toward implementation of the project. If they are the lead, project receives 10% total | Yes/No |

*No DAC-related weight; instead DAC tract will have a DAC-related gate whereby at least 75% of the benefit area must be DAC.

After Ranking Process → OWOW Participatory Budgeting Process

- ▶ After rankings, OWOW workshops were part of the “Participatory Budgeting” the OWOW Stakeholders and Governance Approved
 - ▶ Developed with the goals of **transparency**, objectivity, and deliberation.
- ▶ Purpose was to receive input on the projects proposed in the OWOW process
 - ▶ Is the project eligible for OWOW/Prop 1?
 - ▶ Are the benefits claimed realistic?
 - ▶ Is watershed improved without unreasonable expense/detriment to others?
 - ▶ Includes active participation of multiple agencies?

After Participatory Budgeting → Grant Funding Allocation Process

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- ▶ In Prop 1 Round 1, OWOW allocated funding to those top projects based on those top projects share of the sum of the weighted scores, and
- ▶ Any State priority projects near threshold were included.

| Project ID | Weighted Score |
|------------|----------------|
| 1 | 699.90 |
| 2 | 643.89 |
| 3 | 526.26 |
| 4 | 424.44 |
| 5 | 401.53 |
| 6 | 298.39 |
| 7 | 246.87 |
| 8 | 244.25 |
| 9 | 170.26 |
| 10 | 143.83 |
| 11 | 101.49 |
| 12 | 93.87 |

Top project threshold.

Grant Allocation Formula for Round 2*

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Before Running Formula
Each Project is "Capped" at
Their Grant Request

The diagram illustrates the grant allocation formula. It consists of two main parts in large white brackets, separated by a plus sign. The first part is a fraction: $\frac{x \text{ Weighted Score of Your Top Project}}{X \text{ Total Weighted Score of Top Projects}} \times \text{Grant Available}$. A red arrow points from the text above down to the fraction. The second part is the text: "Add More Grant To Your Project Via Formula in first ()". A red arrow points from the text below up to this part.

$$\left(\frac{x \text{ Weighted Score of Your Top Project}}{X \text{ Total Weighted Score of Top Projects}} \times \text{Grant Available} \right) + \left(\text{Add More Grant To Your Project Via Formula in first ()} \right)$$

Additional Stages of Allocation Formula
Done if There is Left-Over Grant Due to
Project Request "Caps"

*Same formula used in last Prop 1 round.

Summary of Changes for Feedback

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- ▶ Benefit area clarification for inland water bodies to include a ten-mile buffer area,
- ▶ A replacement of Round 1's two competition pools of large and small projects, to two new pools for general implementation and disadvantaged community (DAC) projects,
 - ▶ The DAC benefit pool will also allow for single benefit and single jurisdictional projects to request grant funding. This update will require an update to OWOW Steering Committee's Proposition 1 IRWM Implementation Grant – OWOW Program Policy.
- ▶ Ranking formula updates including:
 - ▶ Combining of benefit categories and rounding of weighting factors,
 - ▶ Adding extra percentage point categories.

Recommendation

18

- ▶ The OWOW Steering Committee recommends adoption of the updated OWOW rating and ranking criteria and modifications to the *Proposition 1 IRWM Implementation Grant – OWOW Program Policy* subject to major revisions as a result of the scheduled October, 2021 Department of Water Resources draft Proposition 1 Round 2 Proposal Solicitation Package release.

Prop 1 IRWM Implementation Grant Project Eligibility - OWOW Program Policy

As approved by OWOW Steering Committee, ~~November 15~~September 23, 2021~~18~~

IRWM is a collaborative effort to manage all aspects of water resources in a region. IRWM crosses jurisdictional, watershed and political boundaries; involves multiple agencies, stakeholders, individuals and groups; and attempts to address the issues and differing perspectives of all entities involved through mutually beneficial solutions. The OWOW Program seeks benefits which improve the watershed and are not achieved at the unreasonable expense or detriment of another.

Applicant is required to describe how the project:

- Is consistent with and supports the implementation of the OWOW Plan Update 2018.
- Complies with eligibility requirements contained within a specific Proposal Solicitation Package.
- Is consistent with the implementation of the California Water Action Plan.
- Meets all statutory requirements including grant recipient eligibility and project eligibility, including compliance with:
 - Groundwater Management Plans
 - Urban Water Management Planning Act
 - Agriculture Water Management Plan
 - Surface Water Diversion Reporting
 - AB 1420 compliance
 - SBX 7-7
 - CWC Section 529.5
 - CWC Section 10920
 - CWC Section 10562(b)(7) (for stormwater projects).
- Is an integrated project that enhances the resilience of a portion of the watershed, thereby enhancing the resilience of the entire watershed.
- If competing for General Implementation funding, it is a project that will be completed with active participation of multiple agencies and/or NGOs or other stakeholders.
- Is a project that, produces a net benefit to the wWatershed and has no unreasonable negative impacts on others.
- Is a sustainable project that is resilient to changing conditions in the watershed.
- If competing for General Implementation funding, it provides multiple benefits and includes two or more of the following elements/benefit categories:

| Benefit Category | Category Information |
|---|--|
| <u>Water Supply</u> | <u>Amount of water supply provided through innovation and optimization.</u> |
| <u>Water Quality Improvement</u> | <u>Amount of water quality improved for people or the environment.</u> |
| <u>Stormwater Protection</u> | <u>Amount of acres protected from flooding.</u> |
| <u>Habitat Improvement</u> | <u>Amount of preserved or enhanced natural habitat.</u> |
| <u>Percentage of DAC/EDA* Area</u> | <u>Share of Benefit Area that is DAC/EDA (from +0% to 100%).</u> |
| <u>Climate Change Adaptation/Mitigation</u> | <u>Amount of greenhouse gases removed/avoided from project implementation.</u> |

*Disadvantaged Community/Economically Distressed Area

~~Water supply reliability, water conservation, and water use efficiency~~

~~Stormwater capture, storage, clean-up, treatment, and management~~

~~Non-point source pollution reduction, management, and monitoring~~

One Water One Watershed Program

~~Removal of invasive non-native species, the creation and enhancement of wetlands, and the acquisition, protection, and restoration of open space and watershed lands~~
~~Groundwater recharge and management projects~~
~~Contaminant and salt removal through reclamation, desalting, and other treatment technologies and conveyance of reclaimed water for distribution to users~~
~~Water banking in the Watershed, exchange, reclamation, and improvement of water quality~~
~~Multipurpose flood and storm water management programs~~
~~Watershed protection and management~~
~~Drinking water treatment and distribution~~
~~Ecosystem and fisheries restoration and protection.~~

COMMISSION MEMORANDUM NO. 2021.76

DATE: October 19, 2021

TO: SAWPA Commission

SUBJECT: Santa Ana River Watershed Weather Modification Pilot Program CEQA Consultant

PREPARED BY: Mark Norton P.E., Water Resources & Planning Manager
(This item is subject to the provisions of Project Agreement 25)

RECOMMENDATION

Staff recommends that the SAWPA Commission authorize the General Manager to execute a General Services Agreement and Task Order CES370-01 for an amount not-to-exceed \$63,271.58 with Catalyst Environmental Solutions to conduct the Santa Ana River Watershed Weather Modification Pilot Program CEQA.

DISCUSSION

On April 6, 2021, the SAWPA Commission authorized staff to proceed with the ground seeding site selection analysis, CEQA development, preparations for a watershed wide SAWPA project application for Prop 1 Round 2 seeking 50% grant funding for a multi-year pilot scale watershed weather modification program and seek outside funding to support the program.

Since that time, staff issued a task order with North American Weather Consultants (NAWC) to conduct the ground seeding site analysis for 13 potential ground seeding sites in the watershed. A new contract to conduct the SAR Watershed Weather Modification Pilot Program CEQA will also be brought to the SAWPA Commission for approval on Oct. 19, 2021.

On July 15, 2021, staff released a Request for Proposals to conduct the CEQA mitigated negative declaration for the Santa Ana River Watershed Weather Modification Pilot program. Four proposals were received and rated/ranked by a consultant review committee composed of SAWPA staff and two SAWPA member agency CEQA experts. From the four proposals, the top three ranked firms will be interviewed in late September. The four firms who submitted a proposal with their original cost estimates and evaluation scores are listed below:

| Firm Name | Cost Estimate | Evaluation Score |
|------------------------------------|---------------|------------------|
| Aspen Environmental Group | \$97,093.05 | 43.8 |
| Catalyst Environmental Solutions | \$97,386.74 | 53.1 |
| Dudek | \$145,281.90 | 45.7 |
| Kinsinger Environmental Consulting | \$67,500.00 | 34.8 |

From the four firms and based on the review of proposals, three of the four firms; Aspen, CES, and Dudek were interviewed on Sept. 28, 2021. KEC was not interviewed due to failing to meet the RFP proposal requirements. Based on the interviews, the consultant review committee was unanimous in recommending Catalyst Environmental Solutions to serve as the CEQA consultant for the SAR Watershed Weather Modification Pilot Program primarily based on their experience and understanding of weather modifications and CEQA needs. Thereafter negotiations occurred

between the consultant and SAWPA staff to ensure the proposed scope of work and costs were within the budget of SAWPA.

SAWPA staff has attached the General Service Agreement and Task Order No. 1 with Catalyst Environmental Solutions with no revisions to either standard form. The task order includes the updated scope of work, a detailed cost estimate per task and labor rates per personnel. The work is anticipated to be completed by June 2022.

CRITICAL SUCCESS FACTORS

- Successful implementation of an integrated regional water resource plan that reflects the watershed management needs of the public and the environment.
- Data and information needed for decision-making is available to all.

RESOURCE IMPACTS

The CEQA program and staff time for conducting the work has been included in the SAWPA FY 21-22 Budget using surplus carry over funding available from Fund 370-01.

Attachments:

1. PowerPoint Presentation
2. General Services Agreement with Catalyst Environmental Solutions
3. Task Order with Catalyst Environmental Solutions

SANTA ANA RIVER WATERSHED WEATHER MODIFICATION CEQA CONSULTANT SUPPORT

**Presented by Mark Norton P.E.,
Water Resources & Planning Manager**

**SAWPA Commission
October 19, 2021**

SAWPA Commission Previously Approved Action (April 6, 2021)



1. Authorize proceeding with the ground seeding site selection analysis and **CEQA Development in FY 21-22;**
2. Authorize staff to prepare a watershed wide SAWPA project application for Prop 1 Round 2 seeking 50% grant funding for a multi-year pilot scale watershed weather modification program; and
3. Direct staff to perform outreach to seek additional funding partners

Scoping and RFP

- A Request for Proposals for the SAR Watershed Weather Modification Pilot Program CEQA was prepared and released on July 15, 2021
- A consultant review team was formed with SAWPA staff and CEQA experts from EMWD and OCWD
- Four proposals were received. The firm names, original cost estimate and review team evaluation scores are listed as follows based on the proposal ranking criteria defined in the RFP.



| Firm Name | Cost Estimate | Evaluation Score |
|------------------------------------|---------------|------------------|
| Aspen Environmental Group | \$97,093.05 | 43.8 |
| Catalyst Environmental Solutions | \$97,386.74 | 53.1 |
| Dudek | \$145,281.90 | 45.7 |
| Kinsinger Environmental Consulting | \$67,500.00 | 34.8 |

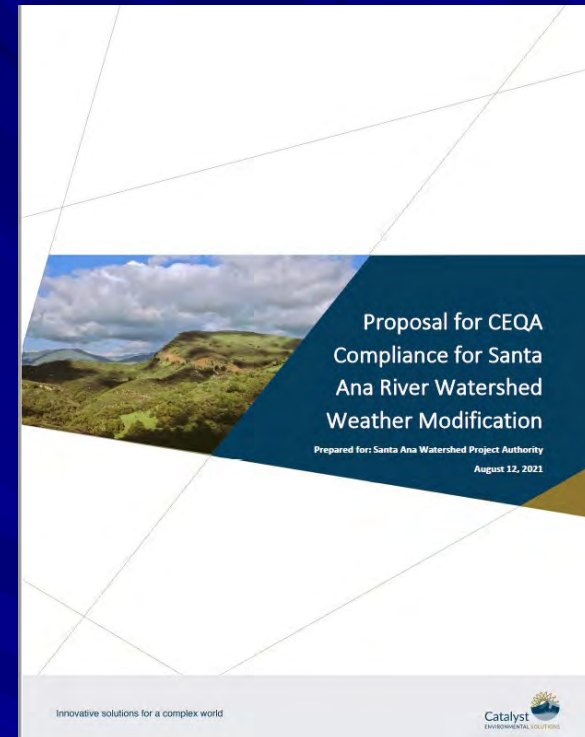
Interview Results

- Proposals were reviewed and three of the four firms were selected for an interview based on defined qualifications-based criteria
- The consultant and review team conducted Zoom meeting interviews on Sept. 28th and thereafter were unanimous in recommending the top firm, Catalyst Environmental Solutions (CES) based in Santa Monica, CA. to conduct the work.
- Thereafter SAWPA staff conducted negotiations with the firm to ensure work was meeting SAWPA's budget while still meeting all anticipated CEQA needs.



Scope of Work

- TASK 1 – Project Management and Administration
- TASK 2 – Collect and Review Existing Data
- TASK 3 – Refine Project Alternatives and Phasing
- TASK 4 – Prepare Initial Study and Notice of Preparation
- TASK 5 – Support Scoping Meeting
- TASK 6 – Draft Mitigated Negative Declaration
- TASK 7 – Support Public Meeting
- TASK 8 – Prepare Final Mitigated Negative Declaration and Findings



CES/SAWPA General Services Agreement and Task Order

- No changes to standard SAWPA GSA and Task Order were requested by consultant.
- Based on negotiation with SAWPA staff the revised cost for the work was agreed upon was a not-to-exceed value of \$63,271.58.
- The proposed GSA and Task Order are shown as attachments to Commission Memo



Recommendation

That the Commission:

- Authorize the General Manager to execute a General Services Agreement and Task Order CES370-01 for an amount not-to-exceed \$63,271.58 with Catalyst Environmental Solutions to conduct the Santa Ana River Watershed Weather Modification Pilot Program CEQA

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SANTA ANA WATERSHED PROJECT AUTHORITY
GENERAL SERVICES AGREEMENT FOR SERVICES BY INDEPENDENT CONSULTANT

This Agreement is made this **19th day of October, 2021** by and between the Santa Ana Watershed Project Authority ("SAWPA") located at 11615 Sterling Avenue, Riverside, CA, 92503 and Catalyst Environmental Solutions Corporation ("Consultant") whose address is 315 Montana Avenue, Suite 311, Santa Monica, CA 90403.

RECITALS

This Agreement is entered into on the basis of the following facts, understandings, and intentions of the parties to this Agreement:

- SAWPA desires to engage the professional services of Consultant to perform such professional consulting services as may be assigned, from time to time, by SAWPA in writing;
- Consultant agrees to provide such services pursuant to, and in accordance with, the terms and conditions of this Agreement and has represented and warrants to SAWPA that Consultant possesses the necessary skills, qualifications, personnel, and equipment to provide such services; and
- The services to be performed by Consultant shall be specifically described in one or more written Task Orders issued by SAWPA to Consultant pursuant to this Agreement.

AGREEMENT

Now, therefore, in consideration of the foregoing Recitals and mutual covenants contained herein, SAWPA and Consultant agree to the following:

ARTICLE I

TERM OF AGREEMENT

1.01 This agreement shall become effective on the date first above written and shall continue until **December 31, 2024**, unless extended or sooner terminated as provided for herein.

ARTICLE II

SERVICES TO BE PERFORMED

2.01 Consultant agrees to provide such professional consulting services as may be assigned, from time to time, in writing by the Commission and the General Manager of SAWPA. Each assignment shall be made in the form of a written Task Order. Each such Task Order shall include, but shall not be limited to, a description of the nature and scope of the services to be performed by Consultant, the amount of compensation to be paid, and the expected time of completion.

2.02 Consultant may at Consultant's sole cost and expense, employ such competent and qualified independent professional associates, subcontractors, and consultants as Consultant deems necessary to perform each assignment; provided that Consultant shall not subcontract any work to be performed without the prior written consent of SAWPA.

ARTICLE III

COMPENSATION

3.01 In consideration for the services to be performed by Consultant, SAWPA agrees to pay Consultant as provided for in each Task Order.

3.02 Each Task Order shall specify a total not-to-exceed sum of money and shall be based upon the regular hourly rates customarily charged by Consultant to its clients.

3.03 Consultant shall not be compensated for any services rendered nor reimbursed for any expenses incurred in excess of those authorized in any Task Order unless approved in advance by the Commission and General Manager of SAWPA, in writing.

3.04 Unless otherwise provided for in any Task Order issued pursuant to this Agreement, payment of compensation earned shall be made in monthly installments after receipt from Consultant of a timely, detailed, corrected, written invoice by SAWPA's Project Manager, describing, without limitation, the services performed, when such services were performed, the time spent performing such services, the hourly rate charged therefore, and the identity of individuals performing such services for the benefit of SAWPA. Such invoices shall also include a detailed itemization of expenses incurred. Upon approval by an authorized SAWPA employee, SAWPA will pay within 30 days after receipt of a valid invoice from Consultant.

ARTICLE IV

CONSULTANT OBLIGATIONS

4.01 Consultant agrees to perform all assigned services in accordance with the terms and conditions of this Agreement including those specified in each Task Order. In performing the services required by this Agreement and any related Task Order Consultant shall comply with all local, state and federal laws, rules and regulations. Consultant shall also obtain and pay for any permits required for the services it performs under this Agreement and any related Task Order.

4.02 Except as otherwise provided for in each Task Order, Consultant will supply all personnel and equipment required to perform the assigned services.

4.03 Consultant shall be solely responsible for the health and safety of its employees, agents and subcontractors in performing the services assigned by SAWPA.

4.04 Insurance Coverage: Consultant shall procure and maintain for the duration of this Agreement insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Consultant, its agents, representatives, employees or sub-contractors.

4.04(a) Coverage - Coverage shall be at least as broad as the following:

- 1. Commercial General Liability (CGL)** - Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to SAWPA) or the general aggregate limit shall be twice the required occurrence limit.
- 2. Automobile Liability** – (if necessary) Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto) or if Consultant has no owned autos, Symbol 8 (hired) and 9 (non-owned) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.
- 3. Workers' Compensation Insurance** - as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
- 4. Professional Liability** - (Also known as Errors & Omission) Insurance appropriate to the Consultant profession, with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.
- 5. Cyber Liability Insurance (Technology Professional Liability – Errors and Omissions)** – If Consultant will be providing technology services, limits not less than \$2,000,000 per occurrence or claim, and \$2,000,000 aggregate or the full per occurrence limits of the policies available, whichever is

greater. Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by Consultant in this Agreement and shall include, but not be limited to, claims involving infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress, invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, alteration of electronic information, extortion and network security. The policy shall provide coverage for breach response costs as well as regulatory fines and penalties as well as credit monitoring expenses with limits sufficient to respond to these obligations.

If the Consultant maintains broader coverage and/or higher limits than the minimums shown above, SAWPA requires and shall be entitled to the broader coverage and/or higher limits maintained by the Consultant. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to SAWPA.

4.04(b) If Claims Made Policies:

1. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
2. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.
3. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the Consultant must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.

4.04(c) Waiver of Subrogation: The insurer(s) named above agree to waive all rights of subrogation against SAWPA, its elected or appointed officers, officials, agents, authorized volunteers and employees for losses paid under the terms of this policy which arise from work performed by the Named Insured for the Agency; but this provision applies regardless of whether or not SAWPA has received a waiver of subrogation from the insurer.

4.04(d) Other Required Provisions - The general liability policy must contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status:** SAWPA, its directors, officers, employees, and authorized volunteers are to be given insured status (at least as broad as ISO Form CG 20 10 10 01), with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts, or equipment furnished in connection with such work or operations.
2. **Primary Coverage:** For any claims related to this project, the Consultant's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to SAWPA, its directors, officers, employees and authorized volunteers. Any insurance or self-insurance maintained by the Member Water Agency its directors, officers, employees and authorized volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

4.04(e) Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to SAWPA.

4.04(f) Self-Insured Retentions - Self-insured retentions must be declared to and approved by SAWPA. SAWPA may require the Consultant to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or SAWPA.

4.04(g) Acceptability of Insurers - Insurance is to be placed with insurers having a current A.M. Best rating of no less than A: VII or as otherwise approved by SAWPA.

4.04(h) Verification of Coverage – Consultant shall furnish SAWPA with certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by SAWPA before work commences.

However, failure to obtain the required documents prior to the work beginning shall not waive the Consultant's obligation to provide them. SAWPA reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration pages and Endorsement pages.

4.04(i) Subcontractors - Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Consultant shall ensure that SAWPA, its directors, officers, employees and authorized volunteers are additional insureds on Commercial General Liability Coverage.

4.05 Consultant hereby covenants and agrees that SAWPA, its officers, employees, and agents shall not be liable for any claims, liabilities, penalties, fines or any damage to property, whether real or personal, nor for any personal injury or death caused by, or resulting from, or claimed to have been caused by or resulting from, any negligence, recklessness, or willful misconduct of Consultant. To the extent permitted by law, Consultant shall hold harmless, defend at its own expense, and indemnify SAWPA, its directors, officers, employees, and authorized volunteers, against any and all liability, claims, losses, damages, or expenses, including reasonable attorney's fees and costs, arising from all acts or omissions of Consultant or its officers, agents, or employees in rendering services under this Agreement and any Task Order issued hereunder; excluding, however, such liability, claims, losses, damages or expenses arising from SAWPA's sole negligence or willful acts.

4.06 In the event that SAWPA requests that specific employees or agents of Consultant supervise or otherwise perform the services specified in each Task Order, Consultant shall ensure that such individual(s) shall be appointed and assigned the responsibility of performing the services.

4.07 In the event Consultant is required to prepare plans, drawings, specifications and/or estimates, the same shall be furnished with a registered professional engineer's number and shall conform to local, state and federal laws, rules and regulations. Consultant shall obtain all necessary permits and approvals in connection with this Agreement, any Task Order or Change Order. However, in the event SAWPA is required to obtain such an approval or permit from another governmental entity, Consultant shall provide all necessary supporting documents to be filed with such entity, and shall facilitate the acquisition of such approval or permit.

4.08 Consultant shall comply with all local, state and federal laws, rules and regulations including those regarding nondiscrimination and the payment of prevailing wages, if required by law.

ARTICLE V **SAWPA OBLIGATIONS**

5.01 SAWPA shall:

5.01a Furnish all existing studies, reports and other available data pertinent to each Task Order that are in SAWPA's possession;

5.01b Designate a person to act as liaison between Consultant and the General Manager and Commission of SAWPA.

ARTICLE VI **ADDITIONAL SERVICES, CHANGES AND DELETIONS**

6.01 During the term of this Agreement, the Commission of SAWPA may, from time to time and without affecting the validity of this Agreement or any Task Order issued pursuant thereto, order changes, deletions, and additional services by the issuance of written Change Orders authorized and approved by the Commission of SAWPA.

6.02 In the event Consultant performs additional or different services than those described in any Task Order or authorized Change Order without the prior written approval of the Commission of SAWPA, Consultant shall not be compensated for such services.

6.03 Consultant shall promptly advise SAWPA as soon as reasonably practicable upon gaining knowledge of a condition, event, or accumulation of events, which may affect the scope and/or cost of services to be

provided pursuant to this Agreement. All proposed changes, modifications, deletions, and/or requests for additional services shall be reduced to writing for review and approval or rejection by the Commission of SAWPA.

6.04 In the event that SAWPA orders services deleted or reduced, compensation shall be deleted or reduced by a comparable amount as determined by SAWPA and Consultant shall only be compensated for services actually performed. In the event additional services are properly authorized, payment for the same shall be made as provided in Article III above.

ARTICLE VII

CONSTRUCTION PROJECTS: CONSULTANT CHANGE ORDERS

7.01 In the event SAWPA authorizes Consultant to perform construction management services for SAWPA, Consultant may determine, in the course of providing such services, that a Change Order should be issued to the construction contractor, or Consultant may receive a request for a Change Order from the construction contractor. Consultant shall, upon receipt of any requested Change Order or upon gaining knowledge of any condition, event, or accumulation of events, which may necessitate issuing a Change Order to the construction contractor, promptly consult with the liaison, General Manager and Commission of SAWPA. No Change Order shall be issued or executed without the prior approval of the Commission of SAWPA.

ARTICLE VIII

TERMINATION OF AGREEMENT

8.01 In the event the time specified for completion of an assigned task in a Task Order exceeds the term of this Agreement, the term of this Agreement shall be automatically extended for such additional time as is necessary to complete such Task Order and thereupon this Agreement shall automatically terminate without further notice.

8.02 Notwithstanding any other provision of this Agreement, SAWPA, at its sole option, may terminate this Agreement at any time by giving 10 day written notice to Consultant, whether or not a Task Order has been issued to Consultant.

8.03 In the event of termination, the payment of monies due Consultant for work performed prior to the effective date of such termination shall be paid after receipt of an invoice as provided in this Agreement.

ARTICLE IX

CONSULTANT STATUS

9.01 Consultant shall perform the services assigned by SAWPA in Consultant's own way as an independent contractor, in pursuit of Consultant's independent calling and not as an employee of SAWPA. Consultant shall be under the control of SAWPA only as to the result to be accomplished and the personnel assigned to perform services. However, Consultant shall regularly confer with SAWPA's liaison, General Manager, and Commission as provided for in this Agreement.

9.02 Consultant hereby specifically represents and warrants to SAWPA that the services to be rendered pursuant to this Agreement shall be performed in accordance with the standards customarily applicable to an experienced and competent professional consulting organization rendering the same or similar services. Furthermore, Consultant represents and warrants that the individual signing this Agreement on behalf of Consultant has the full authority to bind Consultant to this Agreement.

ARTICLE X

AUDIT AND OWNERSHIP OF DOCUMENTS

10.01 All draft and final reports, plans, drawings, specifications, data, notes, and all other documents of any kind or nature prepared or developed by Consultant in connection with the performance of services assigned to it by SAWPA are the sole property of SAWPA, and Consultant shall promptly deliver all such materials to SAWPA. Consultant may retain copies of the original documents, at its option and expense. Use of such documents by SAWPA for project(s) not the subject of this Agreement shall be at SAWPA's sole risk without

legal liability or exposure to Consultant. SAWPA agrees to not release any software “code” without prior written approval from the Consultant.

10.02 Consultant shall retain and maintain, for a period not less than four years following termination of this Agreement, all time records, accounting records, and vouchers and all other records with respect to all matters concerning services performed, compensation paid and expenses reimbursed. At any time during normal business hours and as often as SAWPA may deem necessary, Consultant shall make available to SAWPA’s agents for examination of all such records and will permit SAWPA’s agents to audit, examine and reproduce such records.

ARTICLE XI

MISCELLANEOUS PROVISIONS

11.01 This Agreement supersedes any and all previous agreements, either oral or written, between the parties hereto with respect to the rendering of services by Consultant for SAWPA and contains all of the covenants and agreements between the parties with respect to the rendering of such services in any manner whatsoever. Any modification of this Agreement will be effective only if it is in writing signed by both parties.

11.02 Consultant shall not assign or otherwise transfer any rights or interest in this Agreement without the prior written consent of SAWPA. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.

11.03 In the event Consultant is an individual person and dies prior to completion of this Agreement or any Task Order issued hereunder, any monies earned that may be due Consultant from SAWPA as of the date of death will be paid to Consultant’s estate.

11.04 Time is of the essence in the performance of services required hereunder. Extensions of time within which to perform services may be granted by SAWPA if requested by Consultant and agreed to in writing by SAWPA. All such requests must be documented and substantiated and will only be granted as the result of unforeseeable and unavoidable delays not caused by the lack of foresight on the part of Consultant.

11.05 SAWPA expects that Consultant will devote its full energies, interest, abilities and productive time to the performance of its duties and obligations under this Agreement, and shall not engage in any other consulting activity that would interfere with the performance of Consultant’s duties under this Agreement or create any conflicts of interest. If required by law, Consultant shall file a Conflict of Interest Statement with SAWPA.

11.06 Any dispute which may arise by and between SAWPA and the Consultant, including the Consultants, its employees, agents and subcontractors, shall be submitted to binding arbitration. Arbitration shall be conducted by a neutral, impartial arbitration service that the parties mutually agree upon, in accordance with its rules and procedures. The arbitrator must decide each and every dispute in accordance with the laws of the State of California, and all other applicable laws. Unless the parties stipulate to the contrary prior to the appointment of the arbitrator, all disputes shall first be submitted to non-binding mediation conducted by a neutral, impartial mediation service that the parties mutually agree upon, in accordance with its rules and procedures.

11.07 During the performance of the Agreement, Consultant and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), marital status and denial of family care leave. Consultant and its subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and its subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code, Section 12290 et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 et seq., set forth in Chapter 5 of Division 4 of Title 2 of the California Code

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Proposal for CEQA Compliance for Santa Ana River Watershed Weather Modification

Prepared for: Santa Ana Watershed Project Authority

August 12, 2021 rev October 7, 2021

SECTION 1 Introduction

Catalyst Environmental Solutions Corporation (Catalyst) is pleased to present the Santa Ana Watershed Project Authority (SAWPA) with this proposal in response to the Request for Proposal for CEQA compliance for Santa Ana River Watershed Weather Modification released on July 15, 2021. This project comes at a critical time in water resource planning in California as water districts and municipal providers are grappling with increasing periods of water supply shortages. Snowpacks across California were less than 50% of historical averages in the winter of 2021¹, and it is estimated that by mid-century, the Sierra Nevada snowpack will be 25% to 40% lower than its historical average². While Catalyst is working with many areas in southern California, primarily the City of Los Angeles, in making full beneficial use of advanced-treated wastewater as an additional source of water supply, weather modification (colloquially called cloud seeding) is increasingly applied as a means of increasing precipitation (e.g., Sacramento Municipal Utility District, Santa Barbara County, County of San Luis Obispo, County of Los Angeles Department of Public Works, Pacific Gas and Electric).

Weather modification is not new, and Catalyst staff supported the large state electricity providers in weather modification efforts to increase the “fuel” for hydroelectric power generation in the Sierra Nevada mountains; as with SAWPA’s proposal, these programs have the potential to increase annual precipitation by 2 to 15%³.

Dr. Dan Tormey, our proposed project manager, conducted one of the most frequently-cited studies evaluating the potential environmental effects of silver iodide used for weather modification in 2011⁴, and subsequently conducted a technical review of specific issues raised by the public related to PG&E’s proposal to conduct weather modification in the Lake Almanor Basin⁵. Dr. Tormey also participated in several public meetings led by PG&E, together with staff from North American Weather Consultants (NAWC), the firm that prepared the 2020 Feasibility Study for SAWPA’s project. In discussions with NAWC in preparing the proposal, we understand they are operating under separate contract from SAWPA but would likely be available to review work by the successful bidder.

The foundational studies led by Dr. Tormey were prepared as California residents in areas subject to weather modification became concerned that there may be adverse human health and ecological impacts of such programs. Our work was a combination of detailed literature review, as well as new work on geochemistry and fate and transport. In particular, our subsequent work on the topic focused on comparisons of silver produced by ground-based cloud nuclei generators with silver used as a biocide. This successful work in environmental impact assessment of weather modification prepared in parallel to operational work on the PG&E program by NAWC, were well-accepted by the community and consistently cited in subsequent municipal investigations into

¹ NOAA National Integrated Drought Information System. 2021. <https://www.drought.gov/drought-status-updates/water-year-2021-snow-drought-conditions-summary-and-impacts-west>.

² U.S. Bureau of Reclamation. 2013. Santa Ana Watershed Basin Study.

³ California Department of Water Resources. 2016. Precipitation Enhancement A Resource Management Strategy of the California Water Pan.

⁴ Geochemistry and Impacts of Silver Iodide Used in Cloud Seeding (May 2011). Tormey and Middaugh (then working for Cardno ENTRIX). Prepared for Pacific Gas and Electric Company.

⁵ Response to Questions Regarding Cloud Seeding in the Lake Almanor Basin (September 2011). Tormey and Middaugh (then working for Cardno ENTRIX). Prepared for Pacific Gas and Electric Company.

the feasibility of weather modification. As described in this proposal, we bring the key expert staff in CEQA and the impacts of weather modification to exceed SAWPA's evaluation criteria for the successful bidder.

WHY WORK WITH OUR TEAM?

Experience and Qualifications of assigned individuals: Project Manager with CEQA and Watershed Expertise. Dr. Dan Tormey has the unique experience of being one of the state's most reliable CEQA project managers, combined with being the lead author of a key reference cited by municipal weather modification programs to demonstrate a lack of human health and geochemical impacts from such programs. Dr. Tormey has worked in most of the western Sierra Nevada watersheds on CEQA, NEPA, fate, transport, water quality, hydrology, and geomorphology (Kern River, Kaweah River, San Joaquin River, American River, Sacramento River, Yuba River, Klamath River and others) as well as southern California watersheds (Ventura, Santa Clara, Los Angeles, San Gabriel, Santa Ana Rivers). He has been designated as the fluvial geomorphology expert on the Santa Clara River by the Los Angeles RWQCB and was appointed under the advice of the National Academy of Sciences, to serve as water quality and physical sciences expert on the Scientific Advisory Board that guides the vision for and development of the management plan for the Giant Sequoia National Monument. Dr. Tormey will be supported by Megan Schwartz, MESM (expert in CEQA, NEPA, permitting, and water quality) and Dr. Lindsey Garner (expert in CEQA, NEPA, ecotoxicology). By selecting Catalyst, SAWPA will gain a team with direct and successful experience and qualifications in CEQA and the environmental effects of weather modification.

Value and Quality of Services: Keen Understanding of the Public's Concerns Regarding Cloud Seeding. Our team understands both the science behind cloud seeding and the public's concerns about the practice. Dr. Dan Tormey has authored reports on the geochemistry, fate and transport and toxicity cloud seeding compounds (i.e., silver iodide nanoparticles) in an impact assessment framework conducted in parallel with NAWC, and a report addressing key issues raised by the public on the issue. He and our principal toxicologist, Dr. Lindsey Garner, excel at presenting this information in a factual and easily understood manner. By selecting Catalyst SAWPA would obtain proven high-quality performers on this topic, as well as the value of no learning curve on the main issues to be addressed in CEQA.

Project Approach and Understanding of Needs: Extensive Public Engagement Experience. Our knowledge of the science and impact assessment has shown that ground-based and aerial use of cloud nuclei generators with silver iodide is safe for human health and the environment. Our CEQA knowledge tells us that a successful process recognizes the concerns of the public and agencies, and with a solid grounding in the policy aspects we must bring the science and impact assessment to bear on these concerns. At its root CEQA is a policy-driven process, that makes use of science, engineering, and impact assessment to comply with its mandates. We have found that coupling strong science with robust public engagement is a winning combination for managing potentially controversial projects/CEQA processes. To this end, a key part of our approach is to conduct a robust public engagement strategy to directly manage stakeholder concerns/issues and bolster the defensibility of the CEQA document.

1.1 Project Understanding

We understand that as part of SAWPA's overall goal to increase water supply and reliance in the region, it plans to implement a pilot weather modification program. SAWPA retained NAWC to prepare a feasibility study for the program, and they recommended a program relying on automated high output ground seeding (AHOGS) systems and ground-based cloud nuclei generators (CNGs) burning a solution of silver iodide and acetone. Aerial application was considered but not recommended. This is the same type of program that Catalyst staff has previously reviewed and conducted impact assessments as described in the introduction to this proposal. SAWPA is seeking a qualified consultant to conduct a robust CEQA analysis (and NEPA analysis if necessary) based on the proposed Project as described in the NAWC Feasibility Study. The Feasibility Study identified 14 potential ground seeding locations (12 proposed to be CGN sites and 2 proposed to be AHOGs sites). From the Feasibility Study as well as NAWC's presentation at the December 1, 2020, SAWPA board meeting, we understand that aerial seeding in the SW and NW target areas would be very difficult, if not impossible, due to conflicts with local airport airspace and that aerial seeding of the SE faces economic limitations due to geography. While aerial seeding in the NE may be technically and economically feasible, it is not as cost-effective as ground seeding in this area. For these reasons, NAWC recommended conducting the pilot study with only ground seeding.

We also understand that SAWPA wishes to implement an enhanced public outreach strategy – with a public scoping meeting and scoping period on the draft Initial Study and public comment meeting and period after publication of the draft Mitigated Negative Declaration (MND). While weather modification has been implemented throughout the state since the 1960s, this type of project is new to the Santa Ana Watershed region. This enhanced public outreach will serve to not only inform interested and affected stakeholders but also develop trust and credibility, support and improve relations, and avoid misunderstandings based on a mutual exchange of information. Public outreach also provides interested individuals the opportunity to express concerns and have those concerns considered when decisions are made. This is most effective when the public is informed and involved early in the environmental review process and when the mechanisms for conveying and receiving information are clearly understood by the public.

The work that Dr. Tormey conducted for PG&E in the Lake Almanor basin was similar to SAWPA's needs, because there had been new concerns expressed by the public to the long-standing PG&E practice. Our work included two projects. The first led to the May 2011 report mentioned above, which very clearly laid out the findings from an extensive body of peer-reviewed literature and new work by us that human health and ecological effects of silver iodide were not significant. The second project was initiated in response to further public requests to compare the silver produced in ground-based cloud nuclei generators with the nano-scale silver used as a biocide for clothing. This question may come up in enhanced outreach, and the Catalyst team is well positioned to answer in an easy-to-understand framework built on a firm scientific basis.

Our proposal is organized as follows:

- Section 2 – Project Approach
- Section 3 – Project Personnel
- Section 4 – Budget and Schedule of Fees
- Section 5 – Schedule

Relevant Project Descriptions are provided in Appendix A, and staff resumes are provided in Append B.

SECTION 2 Project Approach

Our project approach has been developed based on our experience with this issue in the context of our extensive CEQA experience on water resources projects. This section is responsive to the Scope of Work provided in the RFP but focuses on those elements that will lead to a legally-defensible CEQA process and document. The tasks listed below match those provided in the RFP.

2.1 TASK 1 – Project Management and Administration

2.1.1 Task 1.1 – Kick-off Meeting

We propose to conduct an in-person kick-off meeting shortly after contract award. The kick-off meeting is an important milestone during a project and aids in developing and setting expectations for project success while serving to start a project off on the right path. The Catalyst project manager (PM) and deputy project manager (DPM) will organize and attend the project kick-off meeting and provide meeting minutes to attendees as well as for incorporation in the administrative record. Although not necessary for a successful kick-off meeting, we would recommend that SAWPA consider including staff from NAWC to explain any nuances to their plans not evident in the Feasibility Study.

2.1.2 Task 1.2 – Meetings and Project Management

Clear and frequent communication between team members is the key to successful projects. For this project, the main point of contact for the Catalyst Project Team will be Dr. Daniel Tormey, the Catalyst PM. The backup point of contact will be Ms. Megan Schwartz. This tandem will manage all internal Project Team communication as well as external communication with other agencies and stakeholders. The PM and DPM will be available for informal calls to touch base on the project as needed and will attend one meeting to review the Draft CEQA document with SAWPA prior to finalizing and publishing the document.

Our team consistently meets scheduled milestones by using decision-making tools to keep agency participation on track and project management tools to respond to change in a manner that minimizes schedule impact. The PM and DPM will closely monitor progress, assure that deadlines are met successfully, and respond to changes in events as they are encountered. We will finalize and actively manage a detailed Gantt chart to depict the schedule and identify the critical path. With any change to a schedule element, we will update the Gantt chart, and identify those tasks that may have come on to the critical path, or schedule changes that add time to the critical path. We find that active schedule maintenance of this kind clearly communicates, from the start of the project, the effect of delays, even very early delays, on the final completion date of the CEQA document. In our recent experience, the critical path method has helped demonstrate the importance of key agency meeting dates that could not slip; dates when critical decisions related to project description, existing conditions, and other matters must be made to avoid delay; and other milestones. Perhaps most importantly, the method allows us to manage change from unexpected events so that the schedule is maintained. We have prepared a preliminary Gantt Chart that details how we will accomplish the scope of work described herein (Figure 3 in Section 5).

We will also actively track budget against the schedule to ensure that our actual spend matches our planned spend. Catalyst tracks budget in real-time. Each subject matter expert is provided their estimated budget and

hours for each task, and timesheets and billed hours are reviewed on a weekly basis. If our spend is above or below the planned value at each milestone point, we will adjust for the potential cost variance accordingly.

We will submit a monthly status report to SAWPA with monthly invoices. This report will include information regarding project activities and work completed during the previous month, any milestones completed, the status of tasks on the critical path and any identified variances, upcoming tasks, and a summary of budget-to-task completion tracking for all active tasks. The status report will also include an up-to-date Microsoft Project schedule and a discussion of any schedule variances and the approach to shifting resources to maintain schedule.

2.2 TASK 2 – Collect and Review Existing Data

Our work to date has provided us with an extensive in-house library of studies from around the world on weather modification and the environmental effects of ground-based generators and silver iodide. We will update this data repository by collecting and reviewing relevant new information and reports to define the conditions of the project area as well as support the analysis of environmental impacts in the Initial Study.

In addition to the peer-reviewed literature on weather modification that we currently maintain and use, other site-specific documents will include, but not be limited to, the following:

- The Feasibility Report
- Published CEQA/NEPA documents for other weather modification projects
- US Bureau of Reclamation’s Santa Ana Watershed Basin Study
- Queries of the California Department of Fish and Wildlife’s Natural Diversity Database; California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants; and U.S. Fish and Wildlife Information for Planning and Consultation database and critical habitat mapper

These documents will be used to refine the project description in Task 3; explain the environmental setting in the Initial Study and IS/MND; and evaluate potential impacts of the proposed Project.

2.3 TASK 3 – Refine Project Alternatives and Phasing

The task of refining the Project alternatives and phasing is a central component to clearly defining the Project Description. Strictly, alternatives are not required in an Initial Study, but they can add to the disclosure of potential effects of a project. As noted in our Project Understanding, the Feasibility Report recommended commencing the pilot study with ground-based CNGs and AHOGs. Therefore, we assume that aerial seeding will not be evaluated in the IS/MND and that refining of alternatives will involve evaluating the 14 ground seeding locations presented in the Feasibility Report and shown in Figure 1. We will develop the Project Description based on input from SAWPA and NAWC regarding the final location for each weather modification unit and method.

The Project Description will include a description of the lead agency and any responsible agency decisions, project location, project activities, and project objectives. A clear and focused Project Description is necessary to evaluate the potential effects of the Project.

We will submit an electronic draft of the Project Description to SAWPA for review and comment in advance of the Initial Study to ensure that this key section is complete and accurate before section authors begin their

environmental review. Following SAWPA’s review of the draft, we will incorporate all SAWPA comments and edits into the final version of this section. We will then distribute the Project Description to the Project Team to allow them to begin preparation of resource area descriptions.

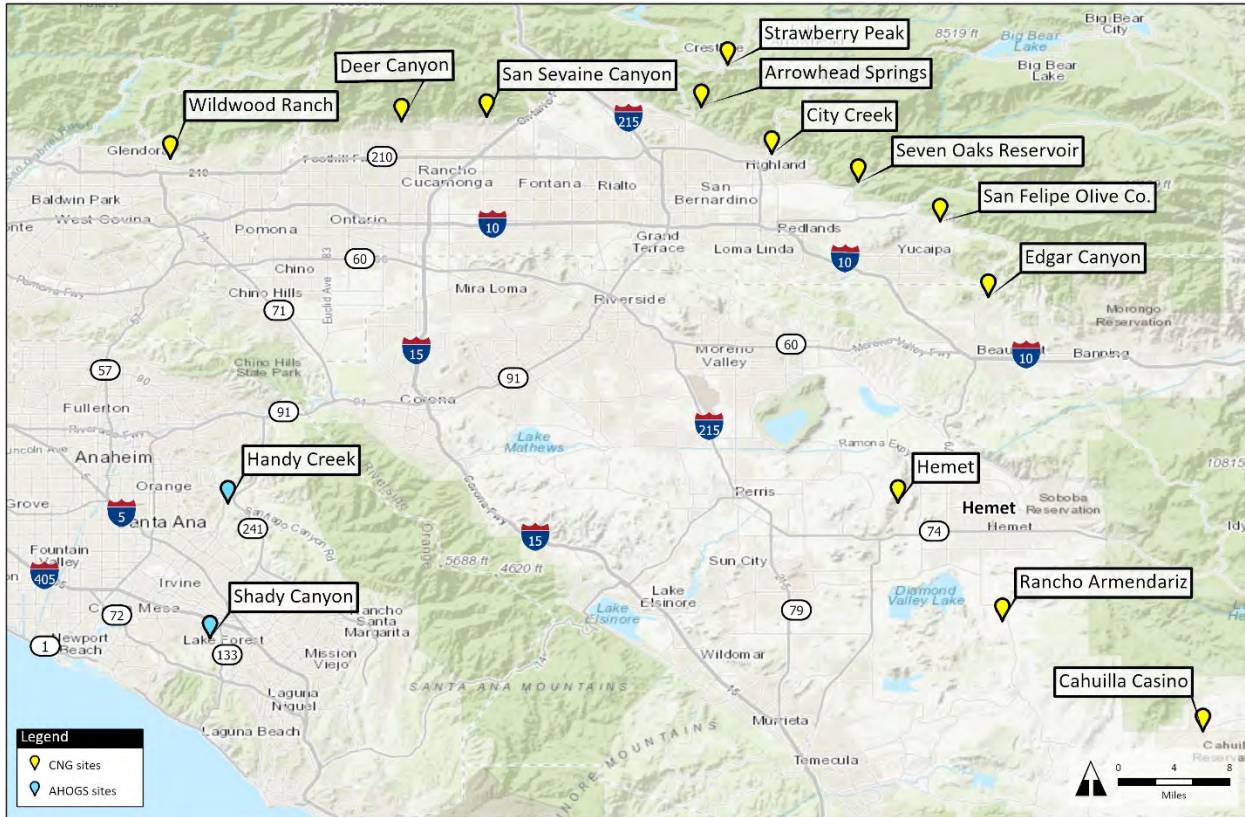


Figure 1. Proposed Ground Seeding Locations

2.4 TASK 4 – Prepare Initial Study and Notice of Preparation

2.4.1 Task 4.1 Prepare Initial Study

Based on the selection of the preferred alternative and completion of the Project Description described under Task 3, we will complete a CEQA Initial Study Checklist that will evaluate all required resources included in CEQA Appendix G to help refine the environmental review of the Project.

Our approach for describing the Affected Environment and evaluating potential effects for all resource areas will be as follows: 1) use the contents of prior environmental analyses, where available, supplemented by information provided by SAWPA to document the existing environment, including those documents reviewed under Task 2; and 2) review and verify the evaluation of effects of the Project on each resource based on the Task 2 information review or our team technical expertise using established methods. For all resources other than biological resources, the evaluation will be conducted via a desktop analysis and will not include any field work.

The significance determination for each impact will consider the context and duration of the individual impact. For those resource categories where there are numeric regulatory limits, we will apply these as significance criteria (e.g., air quality and noise). The significance criteria serve as benchmarks for determining if components of the Project would result in a significant adverse environmental impact when evaluated against the environmental baseline conditions.

Water quality, and the health and ecological risks associated with water quality, have been key issues in past environmental reviews of weather modification. As we established in our 2011 work on the geochemistry and water quality impacts of weather modification cited in the introduction, several multi-year studies have been conducted on cloud seeding, including the geochemistry and toxicity of silver iodide. These studies are unanimous in their conclusion that silver iodide used in cloud seeding is practically insoluble, does not tend to dissociate to its component ions of silver and iodine, and is not bioavailable in the aquatic environment but instead remains in soils and sediments. These studies are the basis for the Department of Water Resources recommending weather modification by cloud seeding. In analyzing this issue for SAWPA, we would summarize data and studies on the existing hydrology and water quality in the potentially affected area to establish baseline conditions. We would then overlay the potential 7-15 percent increase in precipitation caused by the weather modification program, and the fate of silver iodide, using our successful past published work as a guideline for the analysis.

For biological resources, we would use any biological surveys or literature reviews in possession of SAWPA, augmented by the biological database searches listed under Task 2 (i.e., CNDDDB, CNPS Inventory of Rare and Endangered Plants, and USFWS IPaC and Critical Habitat Portal). A Catalyst biologist will conduct a reconnaissance level field evaluation of the sites. These data will be used to identify the potential for special-status species to be affected by the project, and a likelihood of occurrence. Based on our preliminary review of the 14 proposed sites, it appears all are on or directly adjacent to previously disturbed land. Further, installation of the CNG and AHOGs occurs within one or two days and does not require deep digging. Therefore, we assume that focused protocol-level biological or any cultural/archaeological field studies will not be necessary and that we will rely on existing information for these resource categories.

Although air emissions other than the ground-based units are anticipated to be negligible, we will run the numerical model CalEEMod for air quality, greenhouse gas, and energy impacts of the Project. Similarly for noise, we do not anticipate the potential for significant impacts, but we will use the numerical model SoundPLAN (version 5.0) to depict the expected area of effect.

We will submit the Draft Initial Study for review and will incorporate SAWPA's comments into a Final Draft Initial Study for certification by SAWPA.

2.5 TASK 5 – Scoping Meeting

2.5.1 Task 5.1 – Compile Distribution List

We assume that SAWPA will provide a complete distribution list in MS Excel format for the Initial Study and NOP that will include relevant regulatory agencies, local landowners, non-profit organizations, and any additional interested stakeholders that SAWPA has coordinated with regarding the proposed Project. We will request a list of Native American tribes from the Native American Heritage Commission for AB 52 consultation.

2.5.2 Task 5.2 – Prepare Notice of Preparation

We will draft a Notice of Preparation for the Initial Study. We will incorporate SAWPA’s edits into a final Notice of Preparation, which we will file electronically with the OPR in accordance with Assembly Bill 819, which was just passed in June 2021, along with the Initial Study. The Notice of Preparation will identify the lead agency; project location; location and time of the scoping meeting; where scoping comments can be submitted; and when the scoping period ends. The publication of the Notice of Preparation will start a 30-day comment period during which the public and agencies may provide comment on the Initial Study.

We will also draft a letter to be used for AB 52 consultation. We assume all consultation will be conducted by SAWPA.

2.5.3 Task 5.3 – Support for Scoping Meeting and Site Visit

We will provide support for and attend a scoping meeting and a site visit for interested stakeholders, regulators, and members of the public. We assume that SAWPA will lead the preparation of all materials for the meetings and will lead the meetings. We assume support will consist of strategic advice related to logistics and communication strategy and review of materials provided by SAWPA.

2.6 TASK 6 – Draft Mitigated Negative Declaration

2.6.1 Task 6.1 Prepare Draft MND

The Mitigated Negative Declaration (MND) is SAWPA’s decision document that accompanies the Initial Study. The MND must include a brief description of the project, the location, identification of potentially significant impacts, and mitigation measures included to reduce the significance of the impacts to a less than significant level. We will also update the Initial Study to incorporate scoping comments as well as provide further evaluation of the resource areas that could have potentially significant impacts. Then for each potentially significant impact, mitigation measures will be identified that, to the extent feasible, would avoid impacts; minimize impacts by limiting the degree or magnitude of the action; or rectify impacts through restoration, rehabilitation, or repairs to the affected environment.

We will prepare a draft MND for SAWPA and its member agencies’ review and will incorporate all comments into a final MND for public release along with the certified Initial Study. Taken together, these documents are known as the IS/MND.

2.6.2 Task 6.2 Prepare Notice of Intent to Adopt the MND

We will prepare a draft Notice of Intent and Notice of Completion for SAWPA’s review and incorporate SAWPA’s edits into a final Notice of Availability, which we will file with the OPR along with the Draft IS/MND. The Notice of Intent will identify the lead agency; project location; location and time of the public comment meeting; where public comments can be submitted; and when the public period ends. The publication of the Notice of Intent will start a 30-day comment period during which the public and agencies may provide comment on the IS/MND. We will also distribute an electronic version of the Draft IS/MND to all stakeholders included in the distribution list created in Task 4.2.

“Catalyst is currently under contract as the lead CEQA consultant for LASAN’s Hyperion 2035 Program Environmental Impact Report (PEIR). The program will maximize the production of purified recycled water at our Hyperion Water Reclamation Plant, replenish the City’s groundwater basins, and develop direct potable reuse with purified recycled water as an additional raw water source. Catalyst has provided various levels of consultation for this program including developing CEQA pathway strategies, guidance on enhanced outreach, identifying and evaluating CEQA alternatives, and providing clear CEQA compliance guidance for what is expected to be the largest engineering project in the City of Los Angeles since the construction of the Los Angeles Aqueduct....Catalyst also developed the Program EIR for the City’s adoption of the Enhanced Watershed Management Plan in 2015, and the Ballona Creek TMDL EIR for LASAN in 2018. In both projects, use of scientifically-sound, legally-defensible, and easily digestible material were hallmarks of their CEQA analyses.”

Paul Cobian
Deputy Manager
City of Los Angeles Bureau of Sanitation

2.7 TASK 7 – Conduct Public Meeting

We will provide support for and attend a public comment meeting for the Draft IS/MND in the same format as that conducted during scoping. Similar to the outreach proposed prior to preparation of the Draft IS/MND, we assume support would consist of strategic guidance regarding logistics and communication strategy and review of SAWPA prepared materials.

2.8 TASK 8 – Prepare Final Mitigated Negative Declaration

Following the 30-day public comment period, we will incorporate any necessary revisions/clarifications into the IS/MND. For budget and schedule purposes, we anticipate no more than 50 comments on the IS/MND and assume no substantive changes or recirculation will be necessary following public comment. We will provide draft comment responses and a draft Final IS/MND for SAWPA’s review, presuming the document would be a screen-check version and no substantive changes would be necessary. Following SAWPA’s review, we will finalize the document and submit to SAWPA.

Following completion and adoption of the IS/MND, we will prepare a Notice of Determination to be submitted to the OPR/County Clerk as well as a Mitigation Monitoring and Reporting Program and Findings. The Mitigation Monitoring Plan will describe the following: (a) all feasible mitigation measures associated with the Project; (b) the applicable "Monitoring Agency" for each mitigation measure; (c) establishes the "Monitoring Requirements" for each measure; and (d) provides an administrative procedure for the acceptance of each mitigation measure by including a column for the future listing of the approval/clearance date for each mitigation measure. The Findings will provide a summary of any potentially significant impacts and the mitigation measures that result in these impacts being less than significant along with a conclusory statement that SAWPA finds that the mitigation measures would successfully mitigate impacts.

2.8.1 Administrative Record

While not specifically asked for in the RFP, a complete and well-organized administrative record is essential to responding to California Public Records requests, as well as potential legal challenges. We will compile an administrative record in compliance with Public Resources Code Section 21167.6(e) and California Rules of Court, rules 3.2200–3.2208 and will actively maintain the administrative record as the project progresses.

Among the steps we will take to ensure that the administrative record is prepared efficiently and in a timely manner are the following:

- Provide detailed instructions to all team members detailing the types of information to be included in the administrative record and procedures for providing the information to the point of contact.
- Establish folders in which all documents are placed as soon as they are available, so that the administrative record is compiled as the project proceeds.
- Establish file-naming conventions to ensure that all files automatically are organized chronologically.
- Ensure that all documents cited in the IS/MND are available electronically in a searchable format, to the extent feasible, prior to the release of each iteration to the public.

We will develop an electronic Microsoft Excel database for the administrative record that includes a chronological history of all correspondence, studies, comments, and other materials and documents SAWPA considered in preparation of the IS/MND.

2.9 TASK 9 – Supplemental Information for NEPA Compliance (Optional)

Based on our initial review of the 14 potential ground seeding sites, three appear to be on federal land - Strawberry Peak, Arrowhead Springs, and Seven Oaks Reservoir (though this site is surrounded by SCE buildings). All three sites are located within the San Bernadino National Forest. Therefore, if any of these sites were to be included in the final project and federal leases are required, NEPA compliance would be required, and the Forest Service would serve as lead agency. If SAWPA chooses to develop any of these sites based on the refinement conducted in Task 3, we would coordinate with the Forest Service prior to beginning the CEQA analyses to determine a path forward for the NEPA process.

The proposed Cahuilla Casino site is located on the Cahuilla Reservation. If this site were to be developed and a lease required, coordination with the Bureau of Indian Affairs (BIA) would be necessary. We propose two options for NEPA compliance (a Categorical Exclusion or a Joint IS/MND/EA), ultimately to be based on coordination with the federal agencies.

2.9.1 Coordination with Forest Service and Bureau of Indian Affairs

If any of these four sites are proposed as part of the Project, we would first determine if they require a lease or other discretionary action from either federal agency. If so, we would conduct a teleconference with the appropriate federal agency to describe the Project and discuss the path forward (described below) for NEPA review.

2.9.2 Categorical Exclusion

The project at Strawberry Peak, Arrowhead Springs, and Seven Oaks Reservoir sites may meet the requirements for a Categorical Exclusion under 36 CFR 220.6(e)(3) “Approval, modification, or continuation of minor special uses of NFS lands that require less than five contiguous acres of land”. Under this Categorical Exclusion, a supporting record including a decision memo must be prepared. We would use the IS/MND to draft a decision memo explaining why there are no extraordinary circumstances associated with the Project. The Cahuilla Casino site may meet the requirements for a Categorical Exclusion from the BIA as a “non-disturbance environmental quality monitoring programs and field monitoring stations including testing services”.

2.9.3 Joint IS/MND/Environmental Assessment

If the BIA and/or Forest Service determine a Categorical Exclusion does not apply to the proposed Project, we would assist in preparing an Environmental Assessment (EA). For the purposes of both schedule and budget, we would propose a joint IS/MND/EA. Under NEPA, a federal agency may use a completed CEQA review when it has participated in the preparation of the CEQA review and the CEQA review will meet NEPA requirements⁶. Therefore, if agreed to by the Forest Service and BIA, we would maintain engagement with the federal agencies throughout the CEQA process (e.g., request their presence at team meetings and public meetings, share information) and conduct a CEQA plus analysis as part of the IS/MND so the document could also serve as an EA. A CEQA plus document would include the analysis of those resource areas not required by CEQA but required by NEPA (e.g., socioeconomics and environmental justice, as well as required federal agency coordination and if necessary, consultation). NEPA scoping and public comment periods could occur concurrently with the planned CEQA scoping and public comment period. Engagement with the Forest Service and BIA throughout the CEQA process also ensures that the differences between the NEPA and CEQA are addressed throughout the Project and that unnecessary delays, confusion, or legal vulnerability are avoided. Upon completion of the IS/MND/EA we would prepare a Finding of No Significant Impact for each agency.

⁶ Council on Environmental Quality and Governor’s Office of Planning and Research. NEPA and CEQA: Integrating Federal and State Environmental Reviews February 2014.

SECTION 3 Project Personnel

3.1 About Catalyst

Catalyst is a registered small business incorporated (S-Corp) in the State of California (Certification #2000479) with offices in Santa Monica, Oxnard, and Santa Barbara, California, as well as Portland, registered environmental assessors, qualified stormwater practitioners, and certified planners. Catalyst provides expert consulting services in the areas of natural resources management; environmental planning, review, and analysis; environmental due diligence; and water resources. Our understanding of complex scientific linkages and regulatory requirements associated with environmental compliance and planning contributes to our success in framing critical issues and deriving meaningful recommendations. Our team includes certified planners and project managers that are experts in development of analyses pursuant to CEQA: we work with our clients and regulatory agencies to determine the most appropriate level of analysis and have the team of experts qualified to develop a detailed project description, including project purpose and needs, identify a reasonable range of alternatives, and analyze potential environmental impacts. We maintain excellent relationships with key decision makers in regulatory agencies and either participate in or stay well informed on developing policy trends.

The Project Team offers SAWPA a team with the experience and breadth and depth of technical knowledge necessary for the successful completion of the CEQA review. The Project Team is experienced with the technical aspects of the individual project components and with the specific regulatory environment and resource agencies that will be involved in the Project. The personnel presented are those that would be assigned and dedicated to this Project. Figure 2 presents the organizational chart for the Project Team. Table 1 provides brief biosketches of key project staff. Resumes for all staff are provided in Appendix B.

“The Catalyst team has been outstanding from start to finish in their work with us on CEQA. My group is new to CEQA, and Catalyst took the time to explain the process, provided training in CEQA do’s and don’ts that significantly enhanced our public outreach, and they met our challenging schedule goals successfully.”

Hubertus Cox, Ph.D.

City of LA Bureau of Sanitation – Watershed Protection Division;
Programmatic EIR for Enhanced Watershed Management Plan in the City of Los Angeles

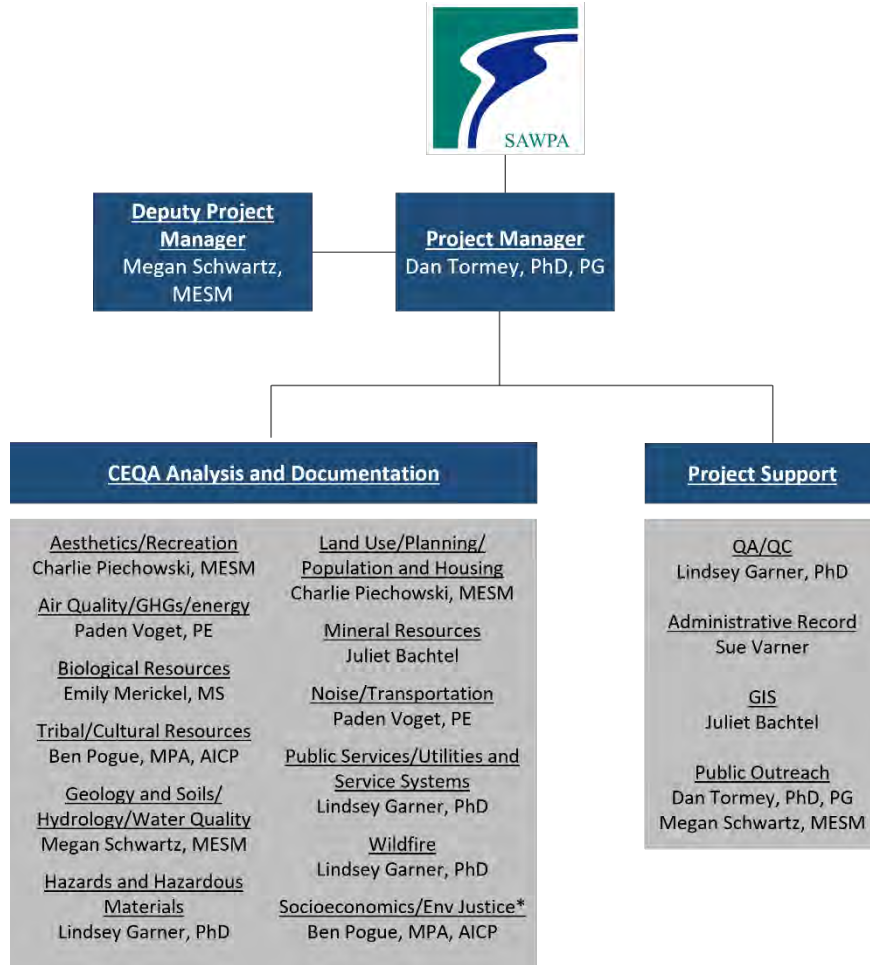


Figure 2. Project Organizational Structure

3.2 Project Manager – Dan Tormey, Ph.D., P.G.

Dr. Daniel Tormey will serve as PM for the Project. Dr. Tormey has 25 years of experience as a CEQA project manager and technical expert on hydrology, hydrogeology, geochemistry, sediment management, physical sciences, and environmental policy. He has authored two influential studies on the environmental effects of cloud seeding on behalf of PG&E, cited and described earlier in this proposal.

He has well-developed skills in framing and analyzing environmental issues and in communicating complex ideas to a wide range of audiences. He is well known for his successful track record devising creative solutions to complex regulatory issues and his ability to manage projects through unexpected project developments. His ability to operate at an expert level across the policy and technical disciplines in CEQA provides an integrated team approach to project management.

Noted for his ability to implement creative approaches to project challenges, he has managed several “first-in-class” projects, including the EIS for the first offshore liquefied natural gas terminal in the United States (Port Pelican, Gulf of Mexico); the EIR/EIS for the first such terminal offshore of California (Cabrillo Port, Ventura); the first use of FERC’s backstop authority to override state denials of transmission line projects (SCE’s Devers to Palo Verde 2500 kV transmission line project in Arizona and California); the first comprehensive study of all of the

environmental effects of hydraulic fracturing, a NEPA equivalent document (Inglewood Oil Field, Los Angeles); and the first EIR for a reverse osmosis water treatment system for produced water treatment at an oil field (Arroyo Grande Oil Field, California). This work required policy expertise, negotiation skills, the ability to integrate multiple lines of evidence, and the ability to adapt to changing conditions.

Dr. Tormey has technical project experience in watersheds throughout California. He has analyzed fluvial geomorphology and physical ecology in the Lake Tahoe Basin, Sierra Nevada, southern California coastal streams, and California central valley environments, with an emphasis on the physical features that support key instream and riparian habitat features. Based on his work in the Kern River Watershed in the sierras, he was appointed by the U.S. Secretary of Agriculture, under the advice of the National Academy of Sciences, to serve as water quality and physical sciences expert on the Scientific Advisory Board that guides the vision for and development of the management plan for the Giant Sequoia National Monument. He has been designated by the County of Los Angeles as an expert on the geomorphology of the Santa Clara River and is conducting a long-term study in this watershed. He has led numerous assignments evaluating environmental effects in California's Bay-Delta system, the Klamath River system, and streams, lakes, estuaries, and oceans. He prepared a comprehensive review of the approach, methods, and analytical underpinnings of Sequoia National Forest's cumulative watershed effects methodology, which links geomorphic effects with water quality consequences.

3.3 Deputy Project Manager – Megan Schwartz, MESM

Ms. Schwartz is a project manager with over 15 years of experience as an environmental planner and water resource specialist, with extensive experience evaluating potential impacts of proposed projects under CEQA as well as other state-specific equivalent regulations for commercial, federal, state, and local government agencies. She coordinates and communicates frequently with the State Water Resources Control Board, Los Angeles Regional Water Quality Control Board, CDFW, USACE, and EPA on permitting and regulatory compliance matters. She is currently managing the Rose Valley Creek Restoration Project IS/MND and EA, and the D.C. Tillman IS/MND. Ms. Schwartz served on the management team for the San Juan Mine Deep Lease Extension EIS, Four Corners Power Plant and Navajo Mine Energy Project EIS, and the United Water Conservation District Santa Felicia Dam Safety Project EIR. She has in-depth knowledge of watershed and stakeholder management and has project experience in the Six Rivers National Forest watersheds, Klamath River, San Joaquin River, Santa Clara River, Los Angeles River, Ventura River, Santa Ana River, San Gabriel River, New River, and San Diego River watersheds. Ms. Schwartz has worked on a variety of complex natural resource issues, including relicensing and decommissioning of a hydroelectric power project, Arundo and tamarisk removal from the Santa Clara River, recycled water planning, submarine transmission lines, hydraulic fracturing, and retiring or repowering coal generation facilities, with a primary focus on water quality and community compatibility.

She is a dedicated client manager, especially adept at delivering high-quality work products, on time and within budget. She has developed a robust project management approach that ensures timeliness, quality, and legal defensibility of project documents. She has addressed many controversial issues related to energy development, land use, and water resources in the southwestern US and globally.

Table 1. Key Project Team Members

| Name | Summary of Experience |
|-----------------------|---|
| Lindsey Garner, Ph.D. | Dr. Garner is an environmental toxicologist with over 10 years of experience in NEPA and CEQA environmental reviews, project management, aquatic and terrestrial toxicology, and human health and ecological risk assessment. She has evaluated the toxicity, fate, and transport for various anthropogenic and natural compounds in support of EIRs, natural resource damage assessments, ecological risk assessments, and various litigated cases. She served as lead biology, public services, and utilities and service systems author for a dam safety improvement project EIR in Ventura County. She also recently served as lead analyst for numerous sections of an Initial Study for a proposed gas well in Yolo County. Dr. Garner is deputy project manager, lead hazardous materials author, and lead ecological risk assessor for a programmatic EIR evaluating a statewide invasive species eradication program. She is also a lead analyst for the Hyperion 2035 PEIR and a joint CEQA/NEPA document for a stream restoration project in Ojai, CA. |
| Paden Voget, PE | Ms. Voget has 17 years of experience as an environmental engineer with a diverse background that includes CEQA and NEPA projects, environmental compliance, construction project management, environmental permitting, civil/restoration engineering, and water resources projects. She routinely conducts air quality analysis using CalEEMod and SoundPLAN noise modeling. She has served as the lead author and analysis for quality, greenhouse gases, and noise a dam safety improvement project EIR in Ventura County, the D.C. Tillman Water Project IS/MND, and for an EIS for a large coal mining project. She is also serving as DPM for LASAN’s Programmatic EIR for Advanced Water Reuse from the Hyperion Wastewater Treatment Facility. |
| Emily Merickel | Ms. Merickel is a biologist with over a decade of experience working with freshwater, marine, terrestrial, and wetland ecosystems. She served as lead biologist for a proposed geothermal project NEPA EA and prepared an Eagle Compliance Measures document for compliance with the Bald and Golden Eagle Protection Act and Eagle Incidental Take Permit for the project. She led the joint CEQA/NEPA/Tahoe Regional Planning Agency review of a watershed restoration project in Lake Tahoe and conducted a jurisdictional delineation to support the project. She is currently serving as biological resource lead for a programmatic EIR evaluating a statewide invasive species eradication program. |
| Charlie Piechowski | Mr. Piechowski has worked on a variety of projects involving multiple stakeholders including federal, state, local, and tribal governments, private industry, legal professionals and the public. He led the development of recreation sections for a dam safety improvement project EIR in Ventura County, the D.C. Tillman Water Project IS/MND, and for an EIS for a large coal mining project. He is currently serving as the recreation and agricultural and forestry lead author for a programmatic EIR evaluating a statewide invasive species eradication program. |
| Juliet Bachtel | Ms. Bachtel is an environmental scientist specializing in CEQA analyses, data analysis & management and GIS. Ms. Bachtel manages several geodatabases for a variety of projects including environmental resources inventory geodatabases and impacted site geodatabases for a multi-year oil and gas remediation project. She was lead analyst for to the aesthetics, agriculture and forestry services, public services, and population and housing sections of the D.C. Tillman Water Project IS/MND; lead GIS analyst for an Initial Study for a proposed gas well in Yolo County; and lead GIS analyst for the Bijou Park Creek Restoration Project joint CEQA/NEPA/Tahoe Regional Planning Agency document. |
| Ben Pogue, MPA, AIPCP | Mr. Pogue is permitting and public involvement specialist with 15 years of professional experience performing permitting/compliance, stakeholder/public involvement, and socioeconomic analysis. Mr. Pogue has managed a wide range of land use, recreation and energy projects through federal and state compliance processes, including NEPA/CEQA and Section 106 NHPA. He served as deputy project manager for the Ballona TMDL EIR and project manager and lead author for a geothermal project NEPA EA. Mr. Pogue served as the inter-agency liaison on behalf of the Bureau of Indian Affairs for a large, multi-year EIS for a controversial mining project in the southwestern US and was lead socioeconomic and environmental justice analyst for another coal mine in New Mexico. |


SECTION 4 Budget and Fees

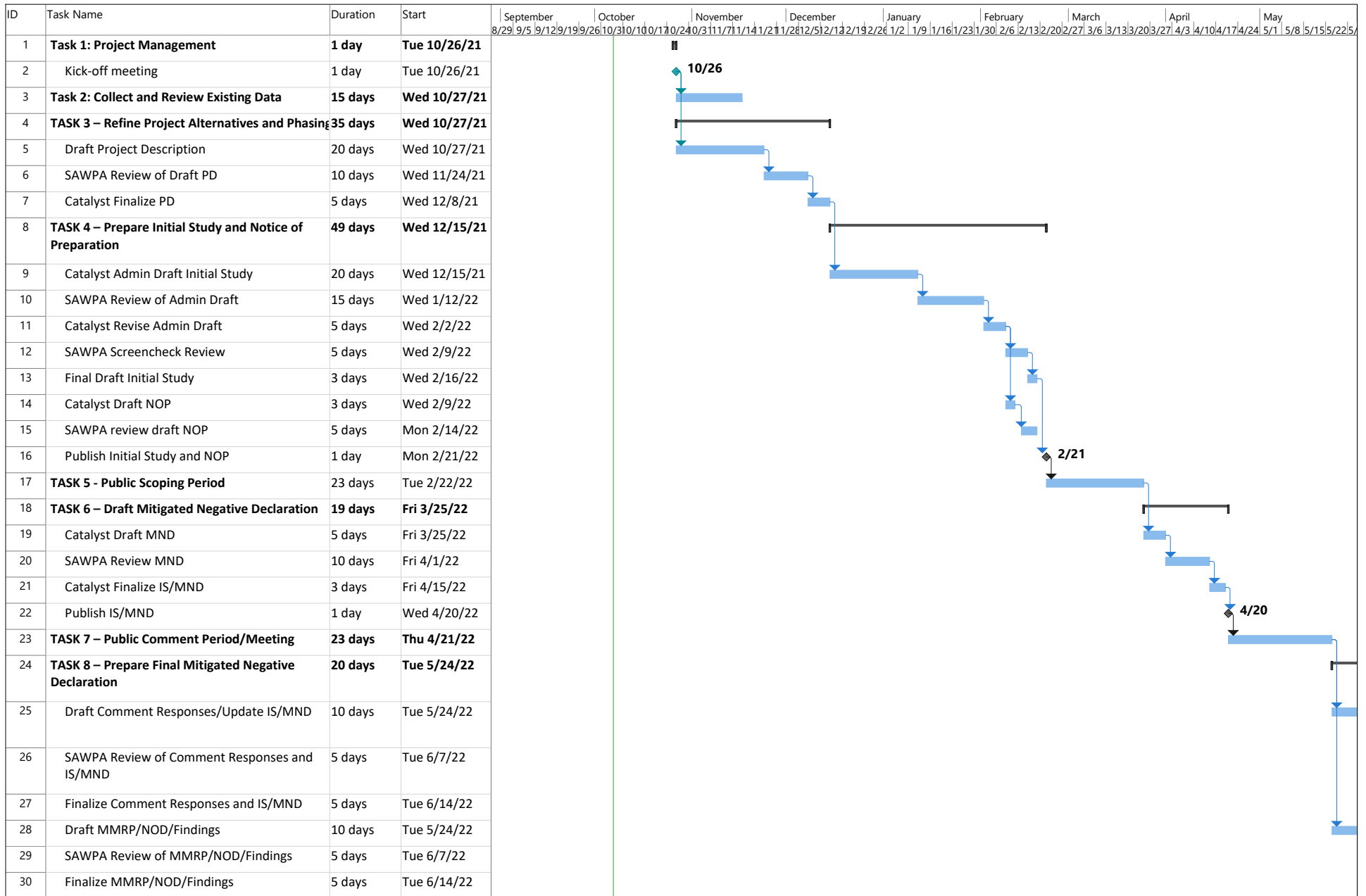
Table 2 presents our schedule of fees for the project, and Table 3 provides our cost estimate, broken down by tasks and subtask. We propose to conduct all required tasks for a not-to-exceed budget of \$63,271.58. We have reviewed the draft contract agreement attached to the RFP, and we do not identify any exceptions to the draft contract agreement.

Table 2. Schedule of Fees

| Labor Category | Hourly Rate |
|----------------------------|-------------|
| Project Coordinator | \$86 |
| Assistant Staff Consultant | \$91 |
| Staff Consultant III | \$106 |
| Staff Consultant II | \$121 |
| Staff Consultant I | \$142 |
| Senior Consultant II | \$162 |
| Senior Consultant I | \$177 |
| Principal | \$197 |
| Senior Principal II | \$223 |
| Senior Principal I | \$278 |

Consultant and Principal positions include professional Scientist, Ecologist, Economist, Engineer, Hydrogeologist, Geologist, Planner, and other technical and non-technical staff positions.

|  | Catalyst Labor | | | | | | | | | TOTAL LABOR BILLING | Mileage (\$0.57 x Miles) | TOTAL REIMBURSABLE EXPENSES (+Markup%) | TOTAL PROJECT BUDGET (\$) | |
|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-----------------|---------------------|--------------------------|--|---------------------------|--------------------|
| | Dan Torme | Megan Schwartz | Ben Pogue | Lindsey Garner | Paden Voget | Emily Merrickel | Charlie Piechowski | Juliet Bechtel | Susan Varner | | | | | |
| Hourly Billing Rate, Markup %, & Unit Cost | \$278.00 | \$197.00 | \$197.00 | \$162.00 | \$162.00 | \$142.00 | \$121.00 | \$106.00 | \$86.00 | | 5% | | | |
| Task 1: Project Management and Administration | | | | | | | | | | | | | | |
| Subtask 1.1 - Kick-off Meeting | 2 | 2 | | | | | | | | | \$950.00 | \$159.60 | \$167.58 | \$1,117.58 |
| Subtask 1.2 - Milestone Meeting and Invoicing | 2 | 2 | | | | | | | 4 | | \$1,294.00 | | \$0.00 | \$1,294.00 |
| Task 1 Labor Subtotal | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | \$2,244.00 | \$167.58 | \$167.58 | \$2,411.58 |
| Task 2: Collect and Review Existing Data | | | | | | | | | | | | | | |
| Subtask 2.1 - Data/Literature Review | 2 | 8 | | 16 | | | | | | | \$4,724.00 | | \$0.00 | \$4,724.00 |
| Task 2 Labor Subtotal | 2 | 8 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | | \$4,724.00 | \$0.00 | \$0.00 | \$4,724.00 |
| Task 3: Refine Project Alternatives and Phasing | | | | | | | | | | | | | | |
| Subtask 3.1 - Alternatives and Phasing | 4 | 8 | | | | | | | | | \$2,688.00 | | \$0.00 | \$2,688.00 |
| Subtask 3.2 - Draft Project Description | 4 | 16 | | | | | | | | | \$4,264.00 | | \$0.00 | \$4,264.00 |
| Subtask 3.3 - Final Project Description | 2 | 8 | | | | | | | | | \$2,132.00 | | \$0.00 | \$2,132.00 |
| Task 3 Labor Subtotal | 10 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | \$9,084.00 | \$0.00 | \$0.00 | \$9,084.00 |
| Task 4: Prepare Initial Study and Notice of Preparation | | | | | | | | | | | | | | |
| Subtask 4.1 - Admin Draft Initial Study | 8 | 16 | 8 | 24 | 24 | 12 | 28 | 12 | | | \$21,092.00 | | \$0.00 | \$21,092.00 |
| Subtask 4.2 - Final Draft Initial Study | 4 | 8 | | 8 | 8 | | | | | | \$5,280.00 | | \$0.00 | \$5,280.00 |
| Subtask 4.3 - Compile Distribution List | | 2 | | 2 | | | | 8 | | | \$1,566.00 | | \$0.00 | \$1,566.00 |
| Subtask 4.4 - Draft NOP and AB52 letters | | 2 | | 8 | | | | | | | \$1,690.00 | | \$0.00 | \$1,690.00 |
| Subtask 4.5 - Final NOP | | | | 2 | | | | | | | \$324.00 | | \$0.00 | \$324.00 |
| Task 4 Labor Subtotal | 12 | 28 | 8 | 44 | 32 | 12 | 28 | 20 | 0 | | \$29,952.00 | \$0.00 | \$0.00 | \$29,952.00 |
| Task 5: Scoping Meeting | | | | | | | | | | | | | | |
| Subtask 5.1 - Scoping Meeting Materials | | | | | | | | | | | \$0.00 | | \$0.00 | \$0.00 |
| Subtask 5.2 - Support and Attend SAWPA Site Visit and Meeting | 4 | 4 | | | | | | | | | \$1,900.00 | | \$0.00 | \$1,900.00 |
| Subtask 5.3 - Scoping Comment Report | | | | | | | | | | | \$0.00 | | \$0.00 | \$0.00 |
| Task 5 Labor Subtotal | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | \$1,900.00 | \$0.00 | \$0.00 | \$1,900.00 |
| Task 6: Draft Mitigated Negative Declaration | | | | | | | | | | | | | | |
| Subtask 6.1 - Prepare Admin Draft MND | 2 | 8 | | | | | | | | | \$2,132.00 | | \$0.00 | \$2,132.00 |
| Subtask 6.2 - Prepare Final Draft MND | 2 | 8 | | | | | | | | | \$2,132.00 | | \$0.00 | \$2,132.00 |
| Subtask 6.3 - Draft NOA | | | | | | | | | | | \$0.00 | | \$0.00 | \$0.00 |
| Subtask 6.4 - Final NOA | | | | | | | | | | | \$0.00 | | \$0.00 | \$0.00 |
| Task 6 Labor Subtotal | 4 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | \$4,264.00 | \$0.00 | \$0.00 | \$4,264.00 |
| Task 7: Conduct Public Meeting | | | | | | | | | | | | | | |
| Subtask 7.1 - Support SAWPA's Public Meeting | 2 | 2 | | | | | | | | | \$950.00 | | \$0.00 | \$950.00 |
| Task 7 Labor Subtotal | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | \$950.00 | \$0.00 | \$0.00 | \$950.00 |
| Task 8: Prepare Final Mitigated Negative Declaration | | | | | | | | | | | | | | |
| Subtask 8.1 - Review Comments | 2 | 8 | | | 4 | | | | | | \$2,780.00 | | \$0.00 | \$2,780.00 |
| Subtask 8.2 - Draft Final IS/MND | 4 | 12 | | | 4 | | | | | | \$4,124.00 | | \$0.00 | \$4,124.00 |
| Subtask 8.3 - Final IS/MND | 2 | 4 | | | | | | | | | \$1,344.00 | | \$0.00 | \$1,344.00 |
| Subtask 8.4 - Draft NOD, MMRP, Findings | 2 | 4 | | | | | | | | | \$1,344.00 | | \$0.00 | \$1,344.00 |
| Subtask 8.5 - Final NOD, MMRP, Findings | | 2 | | | | | | | | | \$394.00 | | \$0.00 | \$394.00 |
| Subtask 8.6 - Administrative Record | | | | | | | | 12 | | | \$1,032.00 | | \$0.00 | \$1,032.00 |
| Task 8 Labor Subtotal | 10 | 30 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | | \$9,986.00 | \$0.00 | \$0.00 | \$9,986.00 |
| TOTAL PROJECT LABOR (Hours) | 48 | 124 | 8 | 60 | 40 | 12 | 28 | 20 | 4 | | 344 | | | |
| TOTAL PROJECT LABOR COST | \$13,344.00 | \$24,428.00 | \$1,576.00 | \$9,720.00 | \$6,480.00 | \$1,704.00 | \$3,388.00 | \$2,120.00 | \$344.00 | | \$63,104.00 | \$167.58 | \$167.58 | \$63,271.58 |
| Task 9: Supplemental Information for NEPA Compliance (Optional) | | | | | | | | | | | | | | |
| Subtask 9.1 - Coordination with Forest Service and BIA | 4 | 8 | | | | | | | | | \$2,688.00 | | \$0.00 | \$2,688.00 |
| Subtask 9.2 - Categorical Exclusion | 4 | 16 | | | | | | | | | \$4,264.00 | | \$0.00 | \$4,264.00 |
| Subtask 9.3 - Joint IS/MND/EA (incl FONSI) | 4 | 16 | 8 | 32 | | | | 24 | 4 | | \$13,912.00 | | \$0.00 | \$13,912.00 |
| Task 9 Labor Subtotal | 12 | 40 | 8 | 32 | 0 | 0 | 0 | 24 | 4 | | \$20,864.00 | \$0.00 | \$0.00 | \$20,864.00 |
| TOTAL PROJECT LABOR (Hours) | 16 | 54 | 8 | 34 | 0 | 0 | 0 | 32 | 4 | | 148 | | | |
| TOTAL PROJECT LABOR COST | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | \$0.00 | \$0.00 | \$0.00 | \$20,864.00 |



| | | | | | | |
|--|-----------|--------------------|-----------------------|--------------------|-----------------|--------------------|
| Project: SAWPA schedule Date: Thu 10/7/21 | Task | Project Summary | Manual Task | Start-only | Deadline | Inactive Milestone |
| | Split | Inactive Task | Duration-only | Finish-only | Progress | Milestone |
| | Milestone | Inactive Milestone | Manual Summary Rollup | External Tasks | Manual Progress | External Milestone |
| | Summary | Inactive Summary | Manual Summary | External Milestone | Manual Progress | External Milestone |
| | | | | | | |

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Appendix X. Electronic Deliverables

I. PRODUCTS

All products that are identified as deliverables under this Contract/Task Order/Work Order (including, but not limited to documents, data analyses, databases, maps, graphics, images, design drawings, and Geographic Information System [GIS] data) will be provided to SAWPA in electronic format in accordance with the project delivery schedule.

Unless specified elsewhere in the Contract/Task Order/Work Order, SAWPA will have no license restrictions, and may use the electronic files/data for purposes it deems appropriate.

II. FORMATS

All deliverables will be provided in native (editable) formats. Additional non-native formats (e.g., Adobe Acrobat) will also be provided as described below:

| SAWPA Standard Data File Formats | |
|---|---|
| Data Type | Data Format |
| Documents (including Desktop Publishing) | Microsoft Word (Office 365 or later)* |
| Tables/Spreadsheets | Microsoft Excel (Office 365 or later)* |
| Presentations | Microsoft PowerPoint (Office 365 or later)* |
| Databases | <ul style="list-style-type: none"> • Microsoft Access (Office 365 or later) • Microsoft SQL Server 2016 or later |
| Project Schedules | Microsoft Project (Office 365 or later) |
| Computer Aided Drafting (CAD) <ul style="list-style-type: none"> • Design Drawings, etc. | AutoDesk AutoCAD (latest version) |
| Graphics/Images | <ul style="list-style-type: none"> • Adobe Illustrator CC or later • Adobe Photoshop CC or later • Microsoft Visio (Office 365 or later) • Standard JPG format • TIF 4 format or later |
| Web Information | <ul style="list-style-type: none"> • HTML • Adobe Acrobat 11 or later Portable Document Format (PDF)* |
| GIS Data | <ul style="list-style-type: none"> • ArcGIS file geodatabase or shape file formats • Data in ODBC-compatible format, preferably one of the following: <ul style="list-style-type: none"> ○ Microsoft Access (relational data) ○ Microsoft SQL Server (more complex relational data) ○ dBase DBF format (flat file data) ○ ASCII (flat file data) • GIS Applications t be fully compatible with ArcMap 10.6 or ArcGIS Pro 2.7 or later • See Section III below for specifications |
| Field Mapping (GPS Data) | <ul style="list-style-type: none"> • Mapping formats must be one of the following: <ul style="list-style-type: none"> ○ Trimble Pathfinder-compatible files ○ GIS format files listed above |
| Analytical Data Formats | <ul style="list-style-type: none"> • Standard Electronic Data Deliverable (EDD) formats as used by certified laboratories |
| Applications | <ul style="list-style-type: none"> • Specifications to any applications (specialized software, scripts, code, Plug-Ins, etc.) required as part of the Contract/Task Order/Work Order will be detailed in the body of Statement of Work. |
| *Must be in compliance with California Government Code Sections 7405 and 1135 for Electronic and Information Technology and Discrimination. | |

III. SPECIFICATIONS (GIS AND RELATED DATA)

In general, data provided to SAWPA for use in SAWPA's GIS must be fully compatible with SAWPS's GIS. Therefore, the following specifications will be followed:

- All data will be provided in Universal Transverse Mercator (UTM), Zone 11 meters, North American Datum of 1983 (NAD 83)
- All vector data will be provided in ESRI file geodatabase or shapefile format
- All Grid Data will be provided in ESRI GRID, ESRI TIN, or US Geological Survey DEM format
- All image data (e.g., satellite imagery/aerial photos) will be provided in formats that are fully compatible with ESRI ArcMap 10.5 or ArcPro 2.7 or later at no cost for plug-ins, Extensions, or other software tools
- All database information tied to the GIS will be fully compatible/functional with SAWPA's GIS with no additional software requirements
- All data will have sufficient metadata to identify as a minimum:
 - Data description
 - Data sources
 - Data creator
 - Data creation data
 - Data accuracy
- Metadata formats will be in ESRI Catalog format, based on accepted metadata standards (e.g., the Federal Geographic Data Committee, the CADD/GIS Technology Center's Spatial Data Standards, or other recognized standards format). Documents associated with metadata will identify the format/standards being used.

IV. DELIVERY OF ELECTRONIC FILES

For each delivery specified, and for each version specified (e.g., Draft and Final Reports; 35%, 60%, 90%, 100%, and As-Build Design Drawings), the Consultant/Contractor will provide electronic copies of the files in addition to any specified hard copies on the same schedule, unless otherwise specified in the schedule of deliverables. Delivery of electronic files does not substitute for required delivery of hard copies, unless approved in writing by SAWPA's Project Manager.

Review Files. In addition to native file format deliverables, Consultant/Contractor will provide ALL report, map, graphic, and drawing deliverables in Adobe Acrobat PDF files. The PDF files will faithfully represent the completed hard copy document in terms of color pages, page sizes, etc. These files will be fully integrated files in proper pages order, with graphics, tables, attachments, etc., inserted in their proper location in the document (or connected using the Link function). PDF files exceeding ten (10) pages in length will use internal hyperlinks (in Table of Contents) and/or use Acrobat's Bookmark features to enable easy navigation throughout the file. PDF files will be ready for posting to SAWPA's website (if applicable) or distributed for review as part of a technical/peer/management review process.

Media. Delivery method for formal contract deliverables will be specified and approved by SAWPA's Project Manager, but will be one of the following (in general order of preference):

- Via email to SAWPA's Project Manager (less than 15MB or time critical)
- Dropbox
- USB Thumb Drive
- CD-ROM
- DVD-ROM
- Posted to Contractor/Consultant FTP or website

V. EXCEPTIONS

Exceptions to these formats may be allowed in some cases. All exceptions will be approved within the body of the Contract/Task Order/Work Order or in writing by the Project Manager AND the Information Systems/Data Management Manager.

VI. RESERVATION OF RIGHTS

SAWPA reserves the right to revise this *Appendix X. Electronic Deliverables* when and as SAWPA programs and/or systems are upgraded.

COMMISSION MEMORANDUM NO. 2021.77

DATE: October 19, 2021

TO: SAWPA Commission

SUBJECT: Santa Ana River Watershed Weather Modification Pilot Program Outreach

PREPARED BY: Mark Norton P.E., Water Resources & Planning Manager
(This item is subject to the provisions of Project Agreement 25)

RECOMMENDATION

Staff recommends that the SAWPA Commission receive and file this status report regarding the outreach material and informational meetings associated with the Santa Ana River Watershed Weather Modification Pilot Program.

DISCUSSION

On April 6, 2021, the SAWPA Commission authorized staff to proceed with the ground seeding site selection analysis, CEQA development, preparations for a watershed wide SAWPA project application for Prop 1 Round 2 seeking 50% grant funding for a multi-year pilot scale watershed weather modification program and seek outside funding to support the program.

Since that time, staff issued a task order with North American Weather Consultants (NAWC) to conduct the ground seeding site analysis for 13 potential ground seeding sites in the watershed. A new contract to conduct the SAR Watershed Weather Modification Pilot Program CEQA will also be brought to the SAWPA Commission for approval on Oct. 19, 2021.

Efforts continue to conduct outreach and prepare outreach material associated with the pilot weather modification program for the watershed. A brochure and Frequently Asked Questions document have been prepared by staff and are attached. On October 14th an informational meeting about cloud seeding and the pilot program will be presented with Garrett Cammans of North American Weather Consultants Inc. as the speaker along with SAWPA staff. A meeting invite for this event has been sent to water agency staff and governing officials across the watershed as recommended by the SAWPA member agency General Managers. Staff has also reached out to the general managers of most water agencies of the watershed who may benefit from the program and have offered our services to provide informational presentations.

Starting in November 2021 SAWPA staff will be going back to the water agencies that may most benefit from a weather modification's increased precipitation and streamflow and request their support and funding for the program. This solicitation will span several months through Feb. 2022 but funding would not be needed until next fiscal year at the earliest.

Ground Site Seeding Units

At the Sept. 21, several questions arose from the SAWPA Commission about the cloud seeding ground site seeding units. Upon reaching out to various weather modification feasibility consultants, we learned the following. The questions and answers are listed below:

1) For the ground seeding units, is the cost reflective of owning or leasing the units by SAWPA? *Most contractors retain ownership of the seeding equipment. It would cost substantially more if the equipment were to be fabricated specifically for SAWPA, and SAWPA would then be responsible for the repairs, off-season storage etc.*

2) How is security handled for the ground seeding units since a regular chain link fence may not be adequate in light of the urban environment of the seeding locations. What security issues have other cloud seeding programs experienced? *Since all the seeding units will be located on private property, security measures will be enforced. For past weather modification operating programs, security has not been an issue.*

3) If damage does occur to the ground seeding units, who is liable for their replacement or repair? *The contractor would generally be responsible for all damages that occur. The contractor should have insurance on equipment. If a water district employee hits the equipment with a forklift, for example, the contractor may hope to see participation from the district in the repairs or replacement if the actions were the result of negligence etc, but for general wear and tear and unavoidable incidentals, the contractor would be responsible.*

4) Southern California Edison (SCE) used to operate cloud seeding programs in the 1960s but stopped doing this in 1970's. Do you know anything about their program or why they chose to discontinue operations? *SCE was a funding partner to the San Joaquin Cloud Seeding Project for six seasons from 2009 through 2015. This project started in 1951 and was the longest continuously operation cloud seeding program in the world at one time. Unfortunately, the project came to end in 2015 not due to any issues with cloud seeding performance. In fact, the program provided an average streamflow increase of 9.7% or 36,395 AFY. Unfortunately, the project came to an end due to disagreements among the west San Joaquin water right holders, the east San Joaquin water right holders and the US Bureau of Reclamation who could not agree on funding the cloud seeding program when water transfers among the parties ceased due to the 2015 drought. The program may start again if these issues get resolved. SCE remains a strong supporter particularly for the increased hydroelectric power generation in this region.*

The next steps will be to complete the ground seeding site selection analysis by NAWC, to bring back a general services agreement and task order to the SAWPA Commission to conduct the CEQA analysis, continue preparations for the Prop 1 Round 2 IRWM grant funding and continue outreach and solicitation for outside funding to support the pilot program.

CRITICAL SUCCESS FACTORS


- Successful implementation of an integrated regional water resource plan that reflects the watershed management needs of the public and the environment.
- Data and information needed for decision-making is available to all.

RESOURCE IMPACTS

The CEQA program and staff time for conducting the work has been included in the SAWPA FY 21-22 Budget using surplus carry over funding available from Fund 370-01. Additional cost share partners who may benefit will be approached in the FY 21-22 which may decrease the member agency share for the grant funded project.

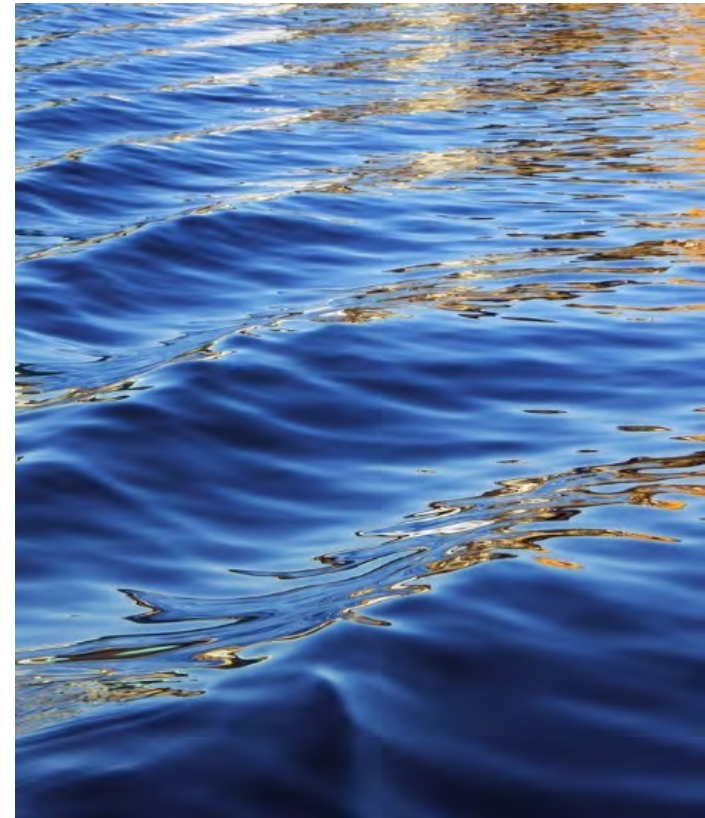
Attachments:

1. PowerPoint Presentation
2. SAR Watershed Weather Modification Pilot Program Brochure
3. SAR Watershed Weather Modification Pilot Program FAQs



Santa Ana River Watershed Weather Modification Pilot Program Outreach

Mark Norton, Water Resources & Planning Mgr.
Santa Ana Watershed Project Authority
Item No. 6.D



SAWPA Commission Previously Approved Action (April 6, 2021)



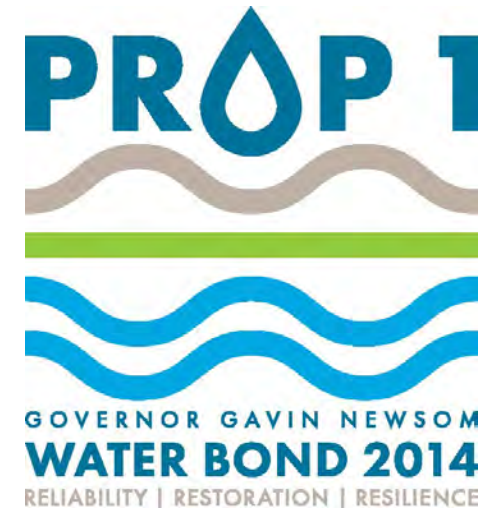
1. Authorized proceeding with the ground seeding site selection analysis and CEQA Development in FY 21-22;
2. Authorized staff to prepare a watershed wide SAWPA project application for Prop 1 Round 2 seeking 50% grant funding for a multi-year pilot scale watershed weather modification program; and
3. Directed staff to perform outreach to seek additional funding partners

Pilot Program Schedule

| Program Element | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
|--|--------|--------|--------|--------|--------|--------|--------|
| Feasibility Study | Active | | | | | | |
| Outreach for Local Funding Commitments | | Active | | | | | |
| Ground Seeding Site Analysis | | Active | | | | | |
| CEQA | | | Active | | | | |
| Grant Application | | | Active | | | | |
| Commence 4 Year Pilot Program | | | | Active | Active | Active | Active |
| Outreach and Public Engagement | | Active | Active | Active | Active | Active | Active |

Proposition 1 Round 2 IRWM Implementation Grant Application - Status

- SAWPA staff is waiting for Proposal Solicitation Package (PSP) for this round of grant funding from DWR
- Next Steps:
 1. OWOW Steering Committee and SAWPA Commission approves selection criteria for Grant program
 2. SAWPA completes Call for Projects info form submittal for Weather Modification Pilot.
 3. Seek 50% local share commitment to match 50% grant request by Feb. 2022
- Typically, DWR does not require completion of pilot CEQA until 18 months after grant



Local Funding Commitment for Pilot Program

Phased Approach for Funding Request

- **Feb. 2021 – Oct. 2021** - Education and Outreach to local agencies
- **Oct. 2021 – Feb. 2022** - Seek local agency support for funding to support Pilot Program
 - Request will range from \$20,000 to \$40,000 (\$5K-\$10K/yr for 4-year pilot) depending on size of agency and potential benefit
- **Mar. 2022** - Seek SAWPA support for additional local funding for pilot program to supplement local share
- **Sep. 2022** - SAWPA Prop 1 Round 2 IRWM Grant Application due to DWR
- **Oct. 2022** - DWR announces Prop 1 Round 2 Grant Awards
- **Oct. 2022** - Potential start of SAR Watershed Pilot Program using local funding share
- **Mar. 2023** - Grant funding agreement between SAWPA and DWR executed and grant funding starts

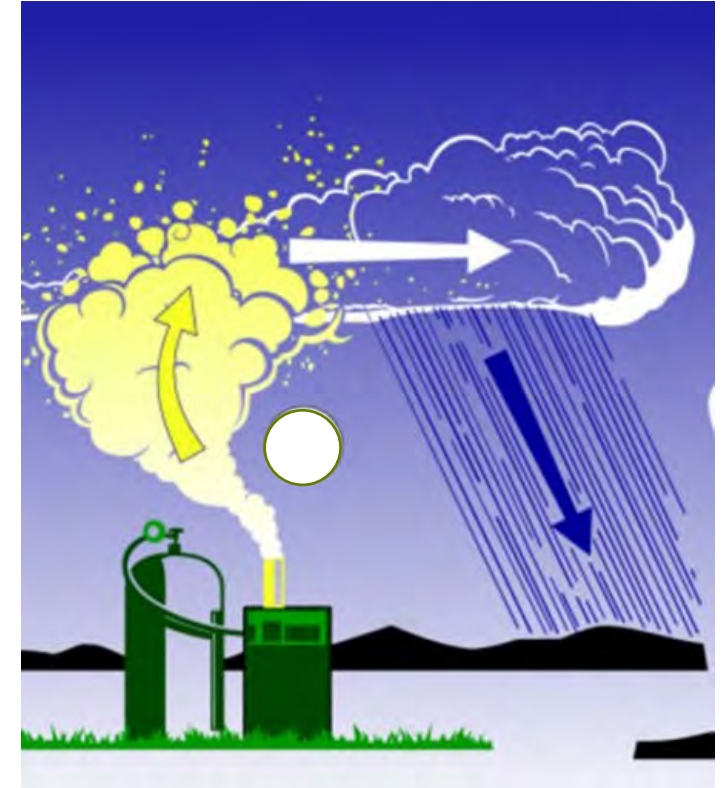
Ground Seeding Locations Analysis Status - Ongoing

Consultant: North American Weather Consultants

Cost: \$15,400

Providing all personnel, equipment, and services to:

- Select locations for ~13 ground seeding sites
- Contact public water agencies to ensure that operations from the location are feasible
- If a site cannot be located within a 2-mile radius of the designated location in feasibility study, consultant will identify replacement sites
- Prepare a project summary report detailing the locations identified by consultant



California Environmental Quality Act – Mitigated Negative Declaration Analysis - Status

- **July 15, 2021:** Request for Proposals released
- **August 26, 2021:** Four proposals received
 - Consultant Proposal Review Panel composed of:
 - SAWPA staff
 - OCWD CEQA expert
 - EMWD CEQA expert
- **September 28, 2021:** Interviews held with consultant firms by SAWPA staff and review panel via Zoom
- **October 19, 2021:** General Services Agreement and Task Order will be brought to the SAWPA Commission
- **North American Weather Consultants** will assist CEQA consultant to provide context, feedback, and assistance.



Funding Support Outreach Presentations

- 20+ water agencies and other organizations contacted and provided initial information
- Several water agencies have requested more information and presentations to their governing boards
- SAWPA member agency GMs suggested more informational meetings with water agency staff and governing board members across the watershed
- October 14, 2021:
 - Informational Zoom meeting on Pilot Program:
 - SAWPA staff
 - North American Weather Consultants (guest speaker)



Frequently Asked Questions (FAQ) document

- Targeted FAQ:
 - 2-pager on pilot program for stakeholders and general public
 - Can be electronically transmitted or handed out in-person
 - Post online on SAWPA website
- Extended FAQ:
 - Longer list of questions and answers on a wide range of topics
 - Can be used as a reference for responding to comments from stakeholders and the public
 - Add to this FAQ as questions arise.

**SANTA ANA RIVER WATERSHED
WEATHER MODIFICATION PILOT PROGRAM**

For more info, contact Mark Norton at mnorton@saawpa.org or visit us at <http://saawpa.org/>

Frequently Asked Questions

What is cloud seeding?

Cloud seeding is a weather modification technique that improves a cloud's ability to produce rain or snow by artificially adding condensation nuclei to the atmosphere, providing a base for snowflakes or raindrops to form. Though cloud seeding is often reflective of both ground based seeding and aerial seeding of storms, the pilot program will only include ground based seeding units.

Is cloud seeding safe?

Yes. From 50 years of research, there have been no human effects caused by the cloud seeding agent, silver iodide. The concentration of silver in rainwater or snow from a seeded cloud is much less than the U.S. EPA's standard for silver in drinking water. The potential environmental impacts of silver iodide have been studied extensively and represents a negligible risk to the environment. Cloud seeding operation would not result in any significant increase in silver concentrations in targeted watersheds.

Will suspension criteria impact the effectiveness of the seeding program?

No. In our region, a cloud seeding program would only miss one weather event every two years due to program design to avoid flooding concerns in the downwind areas, which would have only a marginal impact on the overall program effectiveness.

Will increasing snowpack in the upper headwaters benefit the water supply downstream of the Santa Ana River?

Yes. Increases in precipitation in the Santa Ana River Watershed yield a roughly 1.15 multiplicative factor on stream flow. For example, a 10% increase in precipitation will yield a 15% increase in streamflow. Our tributaries and streams are generally more efficient when more runoff is present, as a smaller percentage of the augmented runoff is lost to soil absorption. As a result, a positive impact down the entire stream and river network in the Santa Ana Watershed can be estimated.



Are the estimated increases calculated from assumptions of average rainfall?

No, the average projected rainfall was not based on the most recent five seasons. Instead, the program was designed to be cost effective even if there were dry years mixed in with average years. Therefore, five seasons from the past 10 historic years were evaluated. These five seasons were selected to represent a modified average that would more accurately represent the benefits of seeding during naturally occurring "dry," "normal" and "wetter" years.

Is there any chance that the seeding methods can cause wildfires?

The cloud seeding process uses ground based "burn-in-place" flares, meaning the flare never leaves its point of origin. The cloud nuclei generators (CNG) and the Automated High Output Ground Seeding (AHOGS) systems use specialized spark arrestors to catch embers and prevent them from hitting the ground around the installations. In addition, weed reduction is performed to prevent weeds from encroaching on the seeding stations. The AHOGS are also equipped with cameras during the seeding process. These systems have been in use for almost 30 years without any issues in California.



How much increase in precipitation would be expected in densely populated valleys where seasonal rainfall is lower?

The expected increase over populated areas is projected to be dramatically lower, as they are not a primary target for any of the generators. The largest increases would be for areas downwind from the AHOGS in the SW area.



How are operations handled in areas where recent wildfires risk abnormally high debris flows?

When large fires occur, an experienced weather modification contractor will work closely with flood control districts to determine the best approach for the season or seasons following the fire. Fires can result in some adjustments to the suspension criteria in affected areas of the program. The Santa Ana River Watershed's target areas are fairly well isolated from each other and are operated during different wind regimes.



Response to Commission Questions (1/2)

- 1. For the ground seeding units, is the cost reflective of owning or leasing the units by SAWPA?**

Most contractors retain ownership of the seeding equipment. It would cost substantially more if the equipment were to be fabricated specifically for SAWPA, and SAWPA would then be responsible for the repairs, off-season storage etc.



- 2. How is security handled for the ground seeding units since a regular chain link fence may not be adequate in light of the urban environment of the seeding locations. What security issues have other cloud seeding programs experienced?**

Since all the seeding units will be located on private property, security measures will be enforced. For past weather modification operating programs, security has not been an issue. Increased security will be recommended by SAWPA due to proximity to urban environment.



Response to Commission Questions (2/2)

3. **If damage does occur to the ground seeding units, who is liable for their replacement or repair?**

Contractors would generally be responsible for all damages that occur. The contractor should have insurance on equipment. For general wear and tear and unavoidable incidentals, the contractor would be responsible.

4. **Southern California Edison (SCE) used to operate cloud seeding programs in the 1960s but stopped doing this in 1970's. Do you know anything about their program or why they chose to discontinue operations?**

SCE was a funding partner to the San Joaquin Cloud Seeding Project for six seasons from 2009 through 2015. Project ended in 2015 not due to any issues with cloud seeding performance. Rather, the project ended due to disputes among water rights holders in San Joaquin Valley and US Bureau of Reclamation who could not agree on funding the cloud seeding program when water transfers among the parties ceased due to the 2015 drought. SCE is still supportive of programs.



Cloud Seeding Video – News release about Santa Barbara County Water Agency Cloud Seeding program

- [Weather modification tech: How cloud seeding increases rainfall - YouTube](#)

Pilot Program Schedule

| Program Element | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
|--|--------|--------|--------|--------|--------|--------|--------|
| Feasibility Study | Active | | | | | | |
| Outreach for Local Funding Commitments | | Active | | | | | |
| Ground Seeding Site Analysis | | Active | | | | | |
| CEQA | | | Active | | | | |
| Grant Application | | | Active | | | | |
| Commence 4 Year Pilot Program | | | | Active | Active | Active | Active |
| Outreach and Public Engagement | | Active | Active | Active | Active | Active | Active |

Recommendation

- Staff recommends that the SAWPA Commission receive and file this status report on ongoing outreach materials and activities associated with the Santa Ana River Watershed Weather Modification Pilot Program

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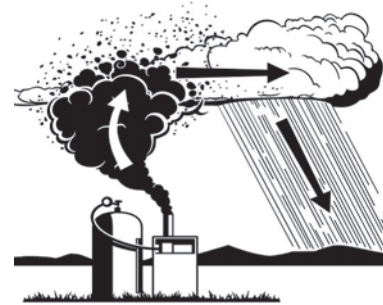
SANTA ANA RIVER WATERSHED PILOT WEATHER MODIFICATION PROGRAM

What is the Pilot Weather Modification Program?

In 2020, the Santa Ana River Watershed Project Authority (SAWPA) conducted a study on the economic and technical feasibility of implementing a weather modification, also known as cloud seeding program in the Santa Ana River Watershed to increase water supply in the region. With this study, SAWPA will now conduct a 4-year weather modification program to gather the necessary data for ensure the program is feasible and can be implemented in the watershed.

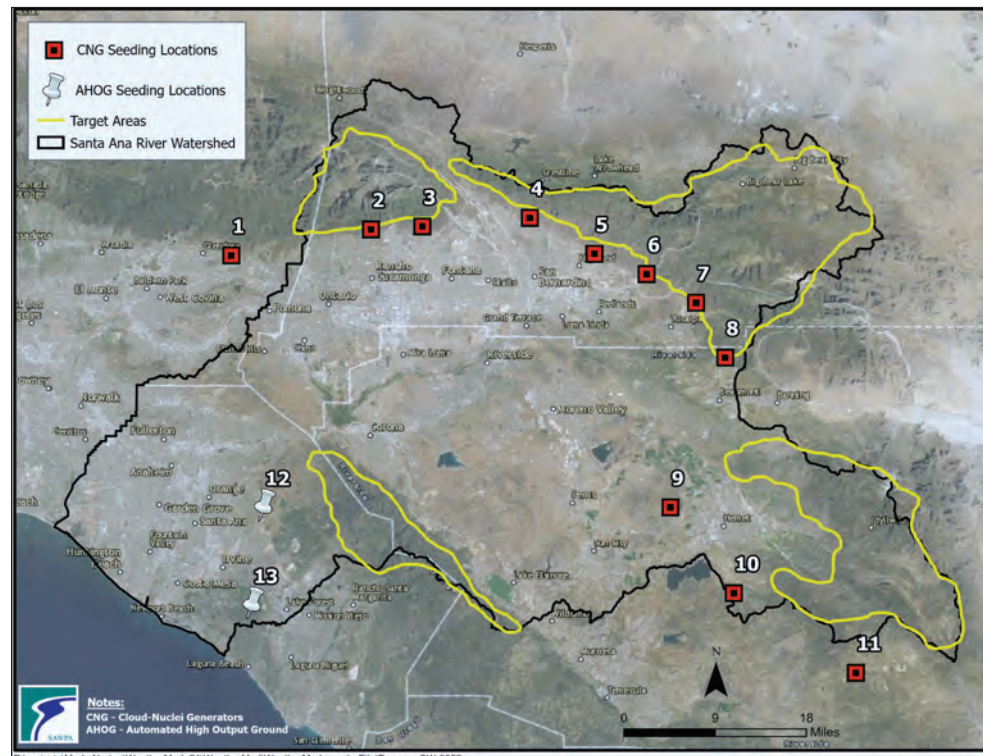
What is Cloud Seeding?

Cloud seeding is a type of weather modification used to increase the amount of precipitation, including snow or rain, during the storm season. This process works through releasing particles of *silver iodide* into clouds, which increase the chances of droplet condensation.



Targeted Areas

The program was designed to be implemented in four distinct mountain regions in the watershed. These areas were selected based on their contribution to past seasonal runoff. SAWPA has analyzed multiple storm events in the watershed over the several winter seasons, allowing them to compile a detailed climatology of the Santa Ana River Watershed region. From this, SAWPA has compiled an array of seeding sites for the Watershed’s four target areas which then would be seeded by 13 ground seeding locations.



Benefits

The following are some of the major economic and environmental benefits of implementing ground based cloud seeding in the Watershed:

- Increase of 8% in precipitation, increasing runoff/streamflow in the Santa Ana River, mitigating the negative effects of climate change, and enhancing riparian habitat
- Increase in water supply for the region, enhancing groundwater recharge and reducing reliability on imported water
- Increase in snowpack for snow season recreational activities

How does cloud seeding work?

1. Storms come into the Watershed region, bringing in clouds and moist air (humidity)
2. Silver iodide particles are released into the atmosphere using ground based seeding systems
3. Freezing in the clouds is activated by silver iodide particles
4. Snowflakes fall to the ground, increasing the amount of snowpack in mountainous regions



Cloud Seeding Method

Ground-based seeding consists of two methods, called *Cloud Nuclei Generators (CNGs)* and *Automated High Output Ground Seeding (AHOGS)*.

CNGs are manually operated and burn a solution of silver iodide and acetone, creating a continuous plume of seeding material that covers broad area over mountainous terrain. AHOGS systems are remotely operated units, burning in-place flares that rapidly release a high concentration of silver iodide and are ideal for seeding convective bands with high concentrations of supercooled liquid water and strong vertical updrafts. These systems are more expensive than traditional ground generators and are therefore used sparingly where the benefit outweighs the added investment.

Cloud Seeding is Safe

From 50 years of research, there have been no human effects caused by the cloud seeding agent, silver iodide. The concentration of silver in rainwater or snow from a seeded cloud is much less than the U.S. EPA's standard for silver in drinking water. The potential environmental impacts of silver iodide have been studied extensively and represents a negligible risk to the environment. Cloud seeding



CNG



AHOGS



Program Schedule

Jan 2022

Notice of Intent submitted for pilot project & Public review period

Feb 2022

CEQA Public Meeting

Mar-Apr 2022

Public Review period closes

Jun 2022

SAWPA Board of Commissioners to review documents

Mid-July 2022

SAWPA Board of Commissioners to approve CEQA for project

October 2022

Pilot Cloud Seeding Program begins

Ensuring Wildlife and Community Safety from Wildfires

The cloud seeding process uses “burn-in-place” flares, meaning the flare never leaves its point of origin. Any embers from the aerial flares will extinguish before they hit the ground because of the elevation. The CNG and AHOGS systems use specialized spark arrestors to catch embers and prevent them from hitting the ground around the installations. In addition, weed reduction is performed to prevent weeds from encroaching on the seeding stations. The AHOGS towers are also equipped with cameras that are used during the seeding process. These systems have been in use for almost 30 years without any issues in California.



Suspension Criteria for Flood Prevention & Water Quality Protection

When large fires occur, an experienced weather modification contractor will work closely with flood districts to determine the best approach for the season or seasons following the fire. Fires can result in some adjustments to suspension criteria in affected areas of the program. The Santa Ana River Watershed’s four target areas are fairly well-isolated from each other and are all targeted during different wind regimes.

Probability would indicate that the cloud seeding program would only miss one event every two years due to program design to avoid flooding concerns in the downwind area of Riverside County (Southwest target area), which would have only a marginal impact on the overall program effectiveness. In

Increasing Streamflow in the Santa Ana River

Increases in precipitation in the Santa Ana River Watershed yield a roughly 1.15 multiplicative factor on stream flow. For example, a 10% increase in precipitation will yield a 15% increase in streamflow. Waterways are generally more efficient when more runoff is present, as a smaller percentage of the augmented runoff is lost to soil absorption. As a result, a positive impact down the entire stream & river network in the Santa Ana River Watershed can be predicted.



Calculating Precipitation Increases with Past Climate Data

The average rainfall is determined by averaging values at the available precipitation stations. The average projected rainfall was not based on the most recent five seasons. Instead, the study sought to ensure that the program would be cost effective even if there were dry years mixed in with average years. Therefore, five noncontinuous seasons from the past 10 historic years were evaluated. These five selected seasons were selected to represent a modified average that would more accurately represent the benefits of seeding during naturally occurring “dry,” “normal” and “wetter” years.

The expected increase in urban, populated areas is projected to be dramatically lower, as they are not a primary target for any of the generators. The largest increases would be for areas downwind from the AHOGS in the Southwest area.

Who is SAWPA?

SAWPA is a Watershed Agency Focused on Regional Water Issues

The Santa Ana River Watershed Project Authority (SAWPA) was created to help resolve interagency conflicts and address regional water issues in the Santa Ana River watershed. SAWPA tackles issues related to water supply reliability, water quality improvement, recycled water, wastewater treatment, groundwater management, and brine disposal.

SAWPA's Role

SAWPA Supports its Member Agencies and Other Organizations with Water Planning

SAWPA is a Joint Powers Authority of five member agencies that supports water resources planning: Eastern Municipal Water District, Inland Empire Utilities Agency, Orange County Water District, San Bernardino Valley Municipal Water District, and Western Municipal Water District. SAWPA seeks to create and facilitate partnerships with and between organizations pursuing shared interests and overall watershed sustainability. Our regional leadership provides a model of collaboration and cooperation utilizing integrated solutions. SAWPA's Mission is to:

- Facilitate communication
- Identify emerging opportunities
- Develop regional plans
- Secure funding
- Implement programs
- Build projects
- Operate and maintain facilities

SAWPA Administers Multi-Agency Task Forces

SAWPA serves as an administrator for several Task Forces within the watershed through meeting facilitation, contract service administration, and Task Force Agreement coordination. Through collaborative processes, SAWPA creates value by building relationships among regulators, SAWPA members, and regulated parties that allow for economies of scale, reduced costs, or increased benefits in addressing water related issues; provides regional capacity and neutral venue for supporting multi-agency forum(s) to address the water resources challenges in the Santa Ana River Watershed; and assists in the establishment and on-going facilitation of stakeholder processes to address watershed-specific issues.

SAWPA Regional Planning Efforts

- Middle Santa Ana River TMDL Task Force
- Emerging Constituents Program Task Force
- Imported Water Recharge Workgroup
- Regional Water Quality Monitoring Task Force
- One Water One Watershed Program
- Santa Ana Sucker Conservation Team
- Lake Elsinore and Canyon Lake TMDL Task Force
- Forest First
- Water Energy Community Action Network
- Arundo Habitat Management



Learn More and Contact Information

To learn more about the Pilot Weather Modification Program, please visit:



sawpa.org/latest-info/watershed-cloud-seeding-feasibility-study/



Contact Mark Norton at:
mnorton@sawpa.org



SANTA ANA RIVER WATERSHED PILOT WEATHER MODIFICATION PROGRAM

Frequently Asked Questions

Is there any chance that the seeding methods could cause wildfires?

The cloud seeding process uses “burn-in-place” flares, meaning the flare never leaves its point of origin. Any embers from aerial flares will extinguish before they hit the ground because of the elevation. The CNG and AHOGS systems use specialized spark arrestors to catch embers and prevent them from hitting the ground around the



installations. In addition, weed reduction is performed to prevent weeds from encroaching on the seeding stations. The AHOGS towers are also equipped with cameras that are used during the seeding process. These systems have been in use for almost 30 years without any issues in California.



CNG



AHOGS

How are operations handled in areas where recent wildfires risk abnormally high debris flows?

When large fires occur, an experienced weather modification contractor will work closely with flood districts to determine the best approach for the season or seasons following the fire. Fires can result in some adjustments to suspension criteria in affected areas of the program. The Santa Ana River Watershed’s four target areas are fairly well-isolated from each other and are all targeted during different wind regimes.



Is cloud seeding safe for humans and the environment?

Yes. From 50 years of research, there have been no human and environmental effects caused by the cloud seeding agent, *silver iodide*. In fact, there is more exposure to *silver* from tooth fillings, and more exposure to *Iodide* from the salt in our food. The concentration of silver in rainwater or snow from a seeded cloud is on the order of *1000 times less* than the EPA Standard.

Will suspension criteria impact the effectiveness of the seeding program?

No. Probability would indicate that the cloud seeding program would only miss 1 event every two years due to program design to avoid flooding concerns in the downwind area of Riverside County (SW target area), which would have only a marginal impact on the overall program effectiveness. In addition, the other three target areas would likely be seeded during these storm events.



Will increasing snowpack in the upper headwaters benefit the water supply downstream of the Santa Ana River?

Yes. Increases in precipitation in the Santa Ana River Watershed yield a roughly 1.15 multiplicative factor on stream flow. For example, a 10% increase in precipitation will yield a 15% increase in streamflow. Water ways are generally more efficient when more runoff is present, as a smaller percentage of the augmented runoff is lost to soil absorption. Thus, a positive impact down the entire stream/canal network in the Santa Ana Watershed can be predicted.

Are the estimated precipitation increases calculated from assumptions of average rainfall?

No. The average rainfall is determined by averaging values at the available precipitation stations. The average projected rainfall was not based on the most recent five seasons. Instead, the study sought to ensure that the program would be cost effective even if there were dry years mixed in with average years. Therefore, five noncontinuous seasons from the past 10 historic years were evaluated. These five selected seasons were selected to represent a modified average that would more accurately represent the benefits of seeding during naturally occurring "dry," "normal" and "wetter" years.

How much increase in precipitation would be expected in densely populated valleys where seasonal rainfall is lower?

The expected increase over populated areas is projected to be dramatically lower, as they are not a primary target for any of the generators. The largest increases would be for areas downwind from the AHOGS in the SW area.



Santa Ana Watershed Project Authority
Cash Transaction Report
Month of August 2021

Below is a summary of cash transactions completed during the month in the Authority's checking account with US Bank. Attached are summaries by major revenue and expense classifications.

| | |
|--|-------------------------------|
| Cash Receipts and Deposits to Account | \$ 3,622,418.97 |
| Net Investment Transfers | (2,986,875.00) |
| Cash Disbursements | <u>(1,452,253.28)</u> |
| Net Change for Month | \$ (816,709.31) |
| Balance at Beginning of Month | <u>3,687,965.32</u> |
| Balance at End of Month per General Ledger | <u><u>\$ 2,871,256.01</u></u> |
| Collected Balance per Bank Statement | \$ 2,925,091.63 |

ACCOUNTS PAYABLE RECONCILIATION

| | |
|--|-------------------------------|
| Accounts Payable Balance @ 07/31/2021 | \$ 7,692,448.54 |
| Invoices Received for August 2021 | 292,372.57 |
| Invoices Paid by check/wire during August 2021 (see attached register) | <u>(1,219,852.21)</u> |
| Accounts Payable Balance @ 08/31/2021 | <u><u>\$ 6,764,968.90</u></u> |

CASH RECEIPTS

| | |
|--|-----------------|
| Brine Line Operating Revenues | \$ 1,364,857.51 |
| Member Agency Contributions | 622,738.00 |
| Participant Fees | 625,207.50 |
| LESJWA Admin Reimbursement | 9,688.82 |
| Grant Proceeds - Prop 84 | 123,976.29 |
| Grant Proceeds - Prop 84 Pass-throughs | 875,005.00 |
| Other | <u>945.85</u> |
| Total Receipts and Deposits | \$ 3,622,418.97 |

INVESTMENT TRANSFERS

| | |
|------------------------------|---------------------|
| Transfer of Funds: | |
| From (to) US Bank | \$ - |
| From (to) LAIF | (5,000,000.00) |
| From (to) Legal Defense Fund | - |
| From (to) LESJWA | - |
| From (to) Investments | <u>2,013,125.00</u> |
| Total Investment Transfers | \$ (2,986,875.00) |

CASH DISBURSEMENTS

| | |
|--------------------------|-------------------------------|
| By Check: | |
| Payroll | \$ - |
| Operations | <u>1,219,852.21</u> |
| Total Checks Drawn | \$ 1,219,852.21 |
| By Cash Transfer: | |
| Payroll | \$ 152,603.71 |
| Payroll Taxes | 78,378.09 |
| Take Care (AFLAC) | <u>1,419.27</u> |
| Total Cash Transfers | \$ 232,401.07 |
| Total Cash Disbursements | <u><u>\$ 1,452,253.28</u></u> |

Santa Ana Watershed Project Authority
Check Detail
Aug-21

| Category | Check # | Check Date | Type | Vendor | Check Amount |
|-----------------------------|--------------|------------|------|------------------------------------|----------------------|
| Audit Fees | 4930 | 8/12/2021 | CHK | Teaman, Ramirez & Smith, Inc | \$ 5,000.00 |
| Audit Fees Total | | | | | \$ 5,000.00 |
| Auto Expense | 4922 | 8/5/2021 | CHK | County of Riverside | \$ 2,557.89 |
| Auto Expense | 4939 | 8/19/2021 | CHK | Riverside Transmission Centers | \$ 77.41 |
| Auto Expense | EFT04055 | 8/5/2021 | CHK | County of Riverside/Transportation | \$ 538.51 |
| Auto Expense Total | | | | | \$ 3,173.81 |
| Benefits | 4929 | 8/12/2021 | CHK | Cal PERS Long Term Care Program | \$ 152.04 |
| Benefits | 4937 | 8/19/2021 | CHK | AFLAC | \$ 336.01 |
| Benefits | 4938 | 8/19/2021 | CHK | WageWorks | \$ 116.00 |
| Benefits | 4942 | 8/26/2021 | CHK | Cal PERS Long Term Care Program | \$ 152.04 |
| Benefits | 4945 | 8/26/2021 | CHK | Mutual Of Omaha | \$ 2,904.79 |
| Benefits | EFT04048 | 8/5/2021 | CHK | ACWA/JPIA | \$ 47,100.40 |
| Benefits | EFT04059 | 8/12/2021 | CHK | Vantagepoint Transfer Agents | \$ 3,299.33 |
| Benefits | EFT04062 | 8/12/2021 | CHK | Vantagepoint Transfer Agents | \$ 398.46 |
| Benefits | EFT04077 | 8/26/2021 | CHK | Vantagepoint Transfer Agents | \$ 3,349.33 |
| Benefits | EFT04081 | 8/26/2021 | CHK | Vantagepoint Transfer Agents | \$ 407.23 |
| Benefits | P041446 | 8/12/2021 | WDL | CalPERS Supplemental Income | \$ 4,609.33 |
| Benefits | P041447 | 8/12/2021 | WDL | Public Employees' Retirement | \$ 700.00 |
| Benefits | P041448 | 8/12/2021 | WDL | Public Employees' Retirement | \$ 20,450.17 |
| Benefits | P041533 | 8/26/2021 | WDL | Public Employees' Retirement | \$ 19,798.77 |
| Benefits | P041534 | 8/26/2021 | WDL | CalPERS Supplemental Income | \$ 4,720.80 |
| Benefits | WDL000005476 | 8/3/2021 | WDL | Takecare | \$ 192.30 |
| Benefits | WDL000005484 | 8/10/2021 | WDL | Takecare | \$ 286.00 |
| Benefits | WDL000005485 | 8/11/2021 | WDL | Takecare | \$ 556.37 |
| Benefits | WDL000005488 | 8/17/2021 | WDL | Takecare | \$ 192.30 |
| Benefits | WDL000005500 | 8/31/2021 | WDL | Takecare | \$ 192.30 |
| Benefits Total | | | | | \$ 109,913.97 |
| Building Lease | 4947 | 8/26/2021 | CHK | Wilson Property Services, Inc | \$ 1,890.00 |
| Building Lease | 4948 | 8/26/2021 | CHK | Wilson Property Services, Inc | \$ 1,864.96 |
| Building Lease Total | | | | | \$ 3,754.96 |
| Cloud Storage | EFT04064 | 8/12/2021 | CHK | Accent Computer Solutions Inc | \$ 1,367.12 |
| Cloud Storage | EFT04082 | 8/26/2021 | CHK | Accent Computer Solutions Inc | \$ 1,438.75 |
| Cloud Storage Total | | | | | \$ 2,805.87 |
| Consulting | 4924 | 8/5/2021 | CHK | Project Partners | \$ 714.00 |
| Consulting | 4933 | 8/12/2021 | CHK | Project Partners | \$ 3,062.32 |
| Consulting | 4944 | 8/26/2021 | CHK | Project Partners | \$ 5,236.00 |
| Consulting | 4946 | 8/26/2021 | CHK | Bartel & Associates | \$ 1,400.00 |
| Consulting | EFT04053 | 8/5/2021 | CHK | Santa Ana Watershed Association | \$ 1,199.66 |
| Consulting | EFT04054 | 8/5/2021 | CHK | Woodard & Curran Inc. | \$ 2,982.00 |
| Consulting | EFT04057 | 8/5/2021 | CHK | JM Consultants | \$ 11,865.00 |
| Consulting | EFT04063 | 8/12/2021 | CHK | Integrated Systems Solutions | \$ 37.00 |
| Consulting | EFT04064 | 8/12/2021 | CHK | Accent Computer Solutions Inc | \$ 2,986.40 |
| Consulting | EFT04065 | 8/12/2021 | CHK | Trussell Technologies, Inc. | \$ 9,525.81 |
| Consulting | EFT04068 | 8/12/2021 | CHK | Kahn Soares & Conway | \$ 5,705.00 |
| Consulting | EFT04069 | 8/12/2021 | CHK | Gillis & Panichapan Architects | \$ 2,506.00 |
| Consulting | EFT04073 | 8/19/2021 | CHK | CDM Smith, Inc. | \$ 78,855.58 |
| Consulting | EFT04074 | 8/19/2021 | CHK | Integrated Systems Solutions | \$ 37.00 |
| Consulting | EFT04080 | 8/26/2021 | CHK | West Coast Advisors | \$ 9,750.00 |
| Consulting | EFT04082 | 8/26/2021 | CHK | Accent Computer Solutions Inc | \$ 2,986.40 |
| Consulting | EFT04083 | 8/26/2021 | CHK | GeoScience Support Services | \$ 24,314.00 |
| Consulting | EFT04084 | 8/26/2021 | CHK | JPW Communications | \$ 2,916.65 |
| Consulting Total | | | | | \$ 166,078.82 |
| Contributions | EFT04075 | 8/19/2021 | CHK | Isle Inc. | \$ 4,000.00 |
| Contributions Total | | | | | \$ 4,000.00 |
| Credit Cards | P041469 | 8/9/2021 | WDL | US Bank | \$ 8,287.88 |
| Credit Cards Total | | | | | \$ 8,287.88 |
| Director Costs | EFT04076 | 8/26/2021 | CHK | Eastern Municipal Water District | \$ 230.00 |
| Director Costs | EFT04079 | 8/26/2021 | CHK | Western Municipal Water District | \$ 230.00 |
| Director Costs Total | | | | | \$ 460.00 |
| Dues | 4932 | 8/12/2021 | CHK | Association of Public Treasurers | \$ 159.00 |
| Dues Total | | | | | \$ 159.00 |

Santa Ana Watershed Project Authority
Check Detail
Aug-21

| Category | Check # | Check Date | Type | Vendor | Check Amount |
|--|--------------|------------|------|--|----------------------|
| Employee Reimbursement | EFT04056 | 8/5/2021 | CHK | Bonnie Gallagher | \$ 150.00 |
| Employee Reimbursement | EFT04058 | 8/5/2021 | CHK | Jaclyn Alm | \$ 30.37 |
| Employee Reimbursement Total | | | | | \$ 180.37 |
| Equipment Rented | EFT04049 | 8/5/2021 | CHK | Konica Minolta Business Solutions | \$ 678.07 |
| Equipment Rented Total | | | | | \$ 678.07 |
| Facility Repair & Maintenance | 4923 | 8/5/2021 | CHK | Downstream Services Inc | \$ 6,612.50 |
| Facility Repair & Maintenance | 4931 | 8/12/2021 | CHK | TNT Elevator Inc | \$ 272.00 |
| Facility Repair & Maintenance | EFT04050 | 8/5/2021 | CHK | Western Exterminator Co. | \$ 123.00 |
| Facility Repair & Maintenance | EFT04067 | 8/12/2021 | CHK | Riverside Cleaning | \$ 1,600.00 |
| Facility Repair & Maintenance | EFT04070 | 8/19/2021 | CHK | Western Exterminator Co. | \$ 123.00 |
| Facility Repair & Maintenance Total | | | | | \$ 8,730.50 |
| Insurance Expense | 4934 | 8/12/2021 | CHK | Zenith Insurance Company | \$ 5,363.00 |
| Insurance Expense Total | | | | | \$ 5,363.00 |
| JPA Membership Dues | EFT04061 | 8/12/2021 | CHK | Lake Elsinore & San Jacinto Watersheds | \$ 10,000.00 |
| JPA Membership Dues Total | | | | | \$ 10,000.00 |
| Lab Costs | EFT04052 | 8/5/2021 | CHK | E. S. Babcock & Sons, Inc. | \$ 1,271.00 |
| Lab Costs | EFT04060 | 8/12/2021 | CHK | Camet Research | \$ 1,450.00 |
| Lab Costs | EFT04071 | 8/19/2021 | CHK | E. S. Babcock & Sons, Inc. | \$ 704.00 |
| Lab Costs Total | | | | | \$ 3,425.00 |
| Landscape Maintenance | EFT04072 | 8/19/2021 | CHK | Green Meadows Landscape | \$ 720.00 |
| Landscape Maintenance Total | | | | | \$ 720.00 |
| Office Expense | EFT04049 | 8/5/2021 | CHK | Konica Minolta Business Solutions | \$ 100.14 |
| Office Expense Total | | | | | \$ 100.14 |
| Other Professional Services | 4935 | 8/12/2021 | CHK | Bell, McAndrews, & Hiltachk | \$ 333.00 |
| Other Professional Services Total | | | | | \$ 333.00 |
| Overpayment Reimbursement | 4936 | 8/19/2021 | CHK | San Gorgonio Pass Water Agency | \$ 2,700.00 |
| Overpayment Reimbursement Total | | | | | \$ 2,700.00 |
| Payroll | WDL000005479 | 8/13/2021 | WDL | Direct Deposit 8/13/2021 | \$ 73,331.77 |
| Payroll | WDL000005481 | 8/13/2021 | WDL | PR Tax - Federal | \$ 31,462.62 |
| Payroll | WDL000005482 | 8/13/2021 | WDL | PR Tax - State | \$ 7,011.01 |
| Payroll | WDL000005483 | 8/13/2021 | WDL | PR Tax - State AZ | \$ 116.78 |
| Payroll | WDL000005489 | 8/27/2021 | WDL | Direct Deposit 8/27/2021 | \$ 79,271.94 |
| Payroll | WDL000005494 | 8/27/2021 | WDL | PR Tax - Federal | \$ 32,354.80 |
| Payroll | WDL000005495 | 8/27/2021 | WDL | PR Tax - State | \$ 7,316.10 |
| Payroll | WDL000005496 | 8/27/2021 | WDL | PR Tax - State AZ | \$ 116.78 |
| Payroll Total | | | | | \$ 230,981.80 |
| Prop 84 | 4921 | 8/5/2021 | CHK | San Bernardino Valley Water Conservation | \$ 48,140.48 |
| Prop 84 | EFT04076 | 8/26/2021 | CHK | Eastern Municipal Water District | \$ 635,086.03 |
| Prop 84 | EFT04078 | 8/26/2021 | CHK | Orange County Water District | \$ 191,778.49 |
| Prop 84 Total | | | | | \$ 875,005.00 |
| Safety | 4925 | 8/5/2021 | CHK | Industrial Fire Protection | \$ 217.97 |
| Safety | EFT04051 | 8/5/2021 | CHK | Underground Service Alert | \$ 334.38 |
| Safety | EFT04066 | 8/12/2021 | CHK | Industrial Fire Protection | \$ 220.48 |
| Safety Total | | | | | \$ 772.83 |
| Shipping/Postage | 4928 | 8/12/2021 | CHK | General Logistics Systems US | \$ 20.31 |
| Shipping/Postage | 4940 | 8/26/2021 | CHK | General Logistics Systems US | \$ 48.48 |
| Shipping/Postage Total | | | | | \$ 68.79 |
| Software | 4943 | 8/26/2021 | CHK | Aatrix Software, Inc. | \$ 399.95 |
| Software | EFT04064 | 8/12/2021 | CHK | Accent Computer Solutions Inc | \$ 1,540.10 |
| Software | EFT04082 | 8/26/2021 | CHK | Accent Computer Solutions Inc | \$ 1,525.10 |
| Software Total | | | | | \$ 3,465.15 |
| Special Legal Counsel | 4926 | 8/5/2021 | CHK | Network Adjusters, Inc. | \$ 1,000.00 |
| Special Legal Counsel Total | | | | | \$ 1,000.00 |
| Utilities | 4918 | 8/5/2021 | CHK | Riverside, City of | \$ 164.64 |
| Utilities | 4919 | 8/5/2021 | CHK | Southern California Edison | \$ 137.78 |
| Utilities | 4920 | 8/5/2021 | CHK | Burrtec Waste Industries, Inc | \$ 91.13 |
| Utilities | 4927 | 8/12/2021 | CHK | Riverside, City of | \$ 2,135.48 |

Santa Ana Watershed Project Authority
Check Detail
Aug-21

| Category | Check # | Check Date | Type | Vendor | Check Amount |
|------------------------|---------|------------|------|------------------|------------------------|
| Utilities | 4941 | 8/26/2021 | CHK | AT&T | \$ 978.34 |
| Utilities | 4949 | 8/26/2021 | CHK | Verizon Wireless | \$ 1,044.04 |
| Utilities | 4950 | 8/26/2021 | CHK | Verizon Wireless | \$ 331.31 |
| Utilities | 4951 | 8/26/2021 | CHK | Verizon Wireless | \$ 130.61 |
| Utilities | 4952 | 8/26/2021 | CHK | DIRECTV | \$ 81.99 |
| Utilities Total | | | | | \$ 5,095.32 |
| Grand Total | | | | | \$ 1,452,253.28 |

| | |
|----------------|------------------------|
| | Accounts Payable |
| Checks | \$ 1,161,285.26 |
| Wire Transfers | \$ 58,566.95 |
| | <u>\$ 1,219,852.21</u> |

| | |
|-----------|------------------------|
| Take Care | \$ 1,419.27 |
| Other | \$ - |
| Payroll | \$ 230,981.80 |
| | <u>\$ 1,452,253.28</u> |

Total Disbursements for August 2021

Santa Ana Watershed Project Authority
Consulting
Aug-21

| Check # | Check Date | Task # | Task Description | Vendor Name | Total Contract | Check Amount | Remaining Contract Amount | Notes/Comments |
|----------|------------|---------------|--|---------------------------------|----------------------|--------------|---------------------------|----------------|
| EFT04064 | 8/12/2021 | ACS100-22 | IT Services | Accent Computer Solutions | \$ 19,000.00 | \$ 2,986.40 | \$ 7,156.13 | |
| EFT04082 | 8/26/2021 | ACS100-22 | IT Services | Accent Computer Solutions | \$ 19,000.00 | \$ 2,986.40 | \$ 1,536.94 | |
| 04946 | 8/26/2021 | BART100-06 | GASB 68 Actuarial Information | Bartel & Associates | \$ 1,400.00 | \$ 1,400.00 | \$ - | Closed |
| EFT04073 | 8/19/2021 | CDM386-15 | Regional Bacteria Monitoring Program | CDM Smith | \$ 415,453.00 | \$ 18,475.00 | \$ 22,495.63 | |
| EFT04073 | 8/19/2021 | CDM386-16 | Implementation of SAR Regional Bacteria Monitoring Program | CDM Smith | \$ 1,070,535.00 | \$ 60,380.58 | \$ 937,378.49 | |
| EFT04083 | 8/26/2021 | GEO374-02 | SAR WLA Model Supplemental Runs | GeoScience Support Services | \$ 31,940.00 | \$ 24,314.00 | \$ 28.00 | |
| EFT04069 | 8/12/2021 | GPA100-01 | SAWPA Building Renovations - Phase 3 | Gillis & Panichapan Architects | \$ 45,200.00 | \$ 2,506.00 | \$ 23,983.24 | |
| EFT04063 | 8/12/2021 | INSOL100-17 | Great Plains and Journyx Support | Integrated Systems Solutions | \$ 4,750.00 | \$ 37.00 | \$ 4,232.00 | |
| EFT04074 | 8/19/2021 | INSOL100-17 | Great Plains and Journyx Support | Integrated Systems Solutions | \$ 4,750.00 | \$ 37.00 | \$ 4,232.00 | |
| EFT04057 | 8/5/2021 | JMC373-02 | Roundtable of Regions Network Coordinator | JM Consultants | \$ 74,990.00 | \$ 11,865.00 | \$ - | Closed |
| EFT04084 | 8/26/2021 | JPW392-01 | Emerging Constituents Program Social Media Support | JPW Communications | \$ 105,000.00 | \$ 2,916.65 | \$ 64,541.75 | |
| EFT04068 | 8/12/2021 | KSC374-02 | Basin Monitoring Program TF Regulatory Support | Kahn, Soares, & Conway | \$ 116,000.00 | \$ 300.00 | \$ 111,275.00 | |
| EFT04068 | 8/12/2021 | KSC384-02 | MSAR Pathogen TMDL TF Regulatory Support | Kahn, Soares, & Conway | \$ 149,750.00 | \$ 5,405.00 | \$ 68,212.00 | |
| 04924 | 8/5/2021 | PRO387-01 | Headwaters Project - Access to Parcels | Project Partners | \$ 23,800.00 | \$ 714.00 | \$ 8,659.18 | |
| 04933 | 8/12/2021 | PRO387-01 | Headwaters Project - Access to Parcels | Project Partners | \$ 23,800.00 | \$ 3,062.32 | \$ 8,659.18 | |
| 04944 | 8/26/2021 | PRO387-01 | Headwaters Project - Access to Parcels | Project Partners | \$ 23,800.00 | \$ 5,236.00 | \$ 8,659.18 | |
| EFT04053 | 8/5/2021 | SAWA381-01 | Van Buren Bridge Sucker Restoration | Santa Ana Watershed Association | \$ 20,358.20 | \$ 1,199.66 | \$ 3,169.69 | |
| EFT04065 | 8/12/2021 | TRU240-25 | S-01 Solids Characterization | Trussell Technologies | \$ 13,100.00 | \$ 2,255.81 | \$ 5,578.92 | |
| EFT04065 | 8/12/2021 | TRU240-26 | Brine Line PFAS Assessment | Trussell Technologies | \$ 15,560.00 | \$ 7,270.00 | \$ 8,180.00 | |
| EFT04080 | 8/26/2021 | WCA100-03-04 | State Legislative Consulting Services | West Coast Advisors | \$ 240,000.00 | \$ 9,750.00 | \$ 152,250.00 | |
| EFT04054 | 8/5/2021 | RMC504-401-07 | SARCCUP Program Mgmt Services | Woodard & Curran | \$ 225,005.00 | \$ 2,982.00 | \$ 148,268.00 | Closed |
| | | | | | \$ 166,078.82 | | | |

COMMISSION MEMORANDUM NO. 2021.78

DATE: October 19, 2021
TO: SAWPA Commission
SUBJECT: Inter-Fund Borrowing – August 2021
PREPARED BY: Karen Williams, DGM/CFO

RECOMMENDATION

It is recommended that the Commission receive and file the informational report on short-term, cash-flow inter-fund borrowing.

DISCUSSION

On December 13, 2005, the Commission approved Resolution No. 452, Inter-Fund and Inter-Project Loan Policy. Staff was directed to bring back an accounting of the loans each month for review when the total exceeded \$250,000 in aggregate.

The following projects, with negative cash flow, are listed below with the amounts borrowed from SAWPA General Fund Reserves in August 2021. The total amount borrowed is over the aggregate \$250,000 amount recommended in Resolution No. 452, Inter-Fund and Inter-Project Loan Policy. The Commission has requested that this item be brought back each month as an informational item when the loan amount is over the \$250,000 aggregate amount.

| Fund | Fund Name | 07/31/2021 Balance | Loan Receipts | New Charges | 08/31/2021 Balance |
|------|----------------------------------|-----------------------|----------------------|--------------------|-----------------------|
| 130 | Proposition 84 Admin R1 | \$45,134.26 | (\$45,162.05) | \$0.00 | (\$27.79) |
| 135 | Proposition 84 Admin R2 | 87,056.82 | (0.00) | (995.47) | 86,061.35 |
| 140 | Proposition 84 Admin R3 | (64.25) | (0.00) | 0.00 | (64.25) |
| 145 | Proposition 84 Admin R4 | 195,627.24 | (42,111.31) | 32,647.84 | 186,163.77 |
| 150 | Proposition 1 – Admin | 72,018.96 | (0.00) | 9,717.71 | 81,736.67 |
| 397 | Energy – Water DAC | 484.54 | (0.00) | 0.00 | 484.54 |
| 398 | Proposition 1 – DACI Grant | 154,149.29 | (0.00) | 19.99 | 154,169.28 |
| 477 | LESJWA Administration | 2,357.73 | (9,688.82) | 22,310.94 | 14,979.85 |
| 504 | Prop 84 – Round I & II | (50.01) | 0.00 | 0.00 | (50.01) |
| 504 | Prop 84 - Drought Projects | (52.41) | (0.00) | 0.00 | (52.41) |
| | Total Funds Borrowed | \$556,662.17 | (\$96,962.18) | \$63,701.01 | \$523,401.00 |
| | General Fund Reserves Balance | | \$2,478,464.69 | | |
| | Less Amount Borrowed | | <u>523,401.00</u> | | |
| | Balance of General Fund Reserves | | \$1,955,063.69 | | |

The following table lists each fund that has a negative cash flow, the source of funding for the fund, how often the fund is billed, and the projected rate of payment for the fund.

NEGATIVE CASH-FLOW FUNDS

| Fund No. | Source of Funding | Billing Frequency | Projected Payment Time |
|---|---------------------------|--------------------------|-------------------------------|
| 135, 145,150 – Proposition 1 & 84 Admin | DWR – Prop 1 & 84 Grant | Monthly/Quarterly | Up to 4 months |
| 397 – Energy – Water DAC | City of Riverside Grant | Quarterly | Up to 4 months |
| 398 – Proposition 1 – DACI Grant | DWR – Prop 1 Grant | Monthly | Up to 4 months |
| 477 – LESJWA Admin | Reimbursement from LESJWA | Monthly | 2 to 4 weeks |
| 504 – Proposition 84 SARCCUP Projects | DWR – Prop 84 Grant | Monthly/Quarterly | Up to 4 months |

Fund 135

This fund is for the administration of Proposition 84 Round II grant funds. These funds will be billed quarterly and 10% will be withheld for retention.

Fund 145

This fund is for the administration of Proposition 84 Round 2015 grant funds. These funds will be billed quarterly and 10% will be withheld for retention.

Fund 150

This fund is for the administration of Proposition 1 grant funds. Once the contract has been signed by DWR these funds will be billed quarterly and 10% will be withheld for retention.

Fund 397

This fund is for the transformative climate communities grant provided by a sub-recipient agreement between SAWPA and the City of Riverside. These funds will be billed on a quarterly basis.

Fund 398

This fund is for the Proposition 1 DACI grant project. These funds will be billed monthly and 10% will be withheld for retention.

Fund 477

Each month LESJWA is billed the cost for administering the JPA. Once the bill is received, LESJWA submits payment within two weeks.

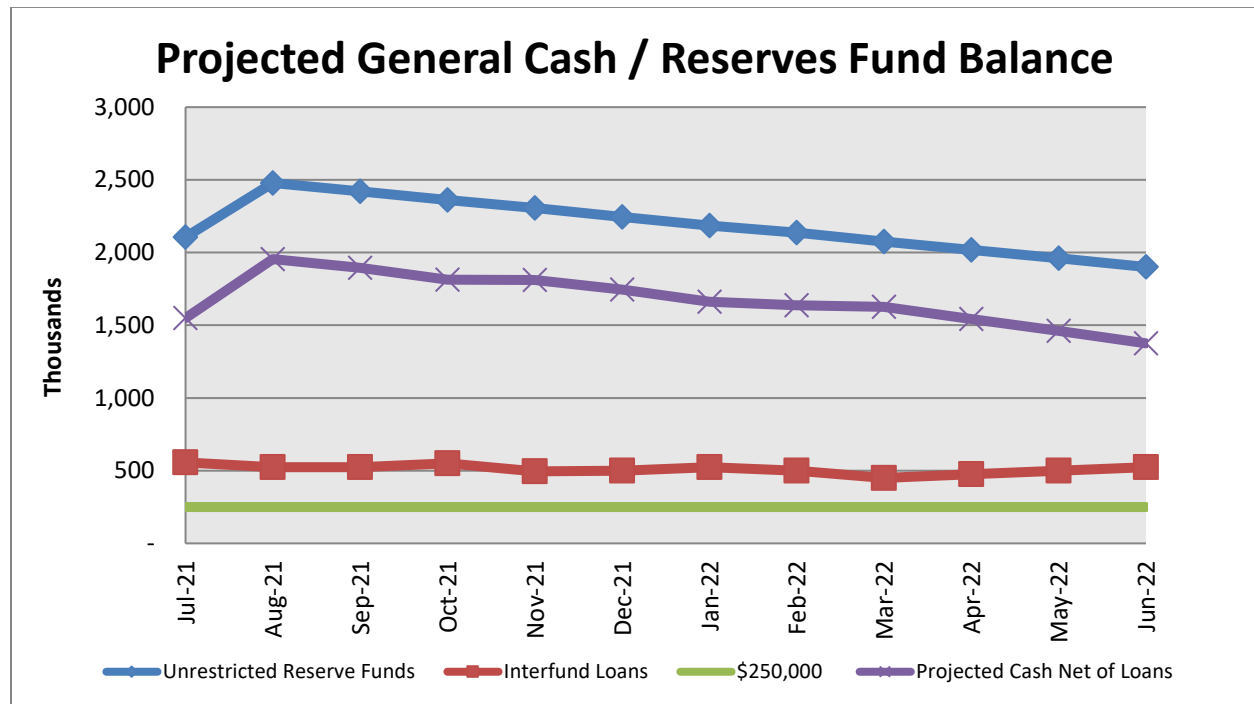
Fund 504

This fund is for the implementation of SARCCUP projects which are administered through PA22 and PA23.

The following graph shows the total budget, total project costs to date, and the amount remaining on each grant.

| Fund | Fund Name | Total Budget | Costs Through 08/31/2021 | Remaining Grant Budget |
|--------|--------------------------------|--------------|--------------------------|------------------------|
| 130 | Proposition 84 Admin R1 | \$660,004 | (\$571,491) | \$88,513 |
| 135 | Proposition 84 Admin R2 | 627,405 | (627,405) | - |
| 140 | Proposition 84 Admin R3 | 887,860 | (866,091) | 21,769 |
| 145 | Proposition 84 Admin R4 | 3,213,384 | (1,050,293) | 2,163,091 |
| 150 | Proposition 1 Admin | 1,157,000 | (82,499) | 1,074,501 |
| 398 | Proposition 1 – DACI Grant | 6,300,000 | (6,300,000) | - |
| 504 | Prop 84 - Drought Projects | 5,547,816 | (3,482,114) | 2,065,702 |
| 504 | Prop 84 – 2015 Round (SARCCUP) | 1,543,810 | (761,525) | 782,285 |
| Totals | | \$19,937,279 | (\$13,741,418) | \$6,195,861 |

The following graph shows projected inter-fund loan balances, total unrestricted General Fund Reserves available for loans, and projected cash net of loans through June 2022. The projected loan balance is expected to remain over the \$250,000 aggregate limit through June 2022 because of Proposition 1 and 84 grants but can be covered by General Fund Reserves without a major impact on cash flow.



RESOURCE IMPACTS

The funds borrowed from the General Fund Reserves will be paid back with interest when the funding is received. Interfund loans for grants are not charged interest unless the grant contracts specifically states that interest is eligible for reimbursement. There is sufficient cash available to cover proposed borrowings and to pay budgeted expenditures for the General Fund.

Attachments:

1. Resolution No. 452 | Amending the Inter-Fund, Inter-Project and Inter-Agency Loan Policy

RESOLUTION NO. 452

A RESOLUTION OF THE COMMISSION OF THE SANTA ANA WATERSHED PROJECT AUTHORITY AMENDING THE INTER-FUND, INTER-PROJECT AND INTER-AGENCY LOAN POLICY

WHEREAS, the Commission of the Santa Ana Watershed Project Authority (hereafter "SAWPA") previously adopted, by minute action taken on August 3, 1996, an "Inter-Fund/Inter-Project Loan Policy" to regulate loans from one SAWPA Fund or Project to another SAWPA Fund or Project; and

WHEREAS, the Commission desires to amend the "Inter-Fund Fund/Project Loan Policy" by formally adopting such Policy, by way of this Resolution, regulating how and in what manner such inter-fund or inter-project loans are to take place and mandating that all such loans require Commission approval in advance as contemplated by the policy adopted on August 3, 1996.

NOW, THEREFORE, BE IT RESOLVED that the Commission of the Santa Ana Watershed Project Authority hereby amends the following Loan Policy for any loan from one SAWPA Fund or Project to another SAWPA Fund or Project:

1. Loans from any SAWPA Fund or Project to another SAWPA Fund, Project or another public agency shall be approved in advance by the SAWPA Commission. The approval shall be in written format and include documentation of the specifics of the transaction. The approval shall include a finding that the loan will not expose the lending SAWPA Fund or Project to significant financial or operational risk.
2. Unless otherwise provided for by the Commission, the borrowing Fund, Project or public agency shall be required to repay the loan within a specific period of time and at a rate of interest as determined by the Commission. For the purposes of this policy, SAWPA's calculated quarterly rate of return may be used as the basis for interest payable on the outstanding principal for any loan. The period for repayment of the loan shall be determined by the Commission, but shall be no longer than the life of the lending Fund or Project.
3. The borrowing Fund's, Project's or public agency's repayment source shall be identified and included in the approval action by the Commission and the "loan documentation". The "loan documentation" shall include a written agreement, resolution or other document approved by the Commission setting forth all of the foregoing terms and conditions.

4. Loans to reimbursable SAWPA grant contract projects and related efforts for short-term (i.e., current fiscal year) operating cash flow purposes may be borrowed from the SAWPA General Fund Reserve without prior Commission approval. But all such loans shall be reported to the Commission within 30 days of each such loan. Such loans shall be paid off on a continuous basis. The total funds loaned for all such grant contract projects and related efforts shall not exceed \$250,000.00 in the aggregate for each fiscal year, without prior written approval by the Commission. Payment of interest will be based on the actual interest that would have been earned by the SAWPA General Fund Reserve had those funds not been borrowed. Cash flow and receivables will be reported at least quarterly to forecast needs and demonstrate compliance.
5. Prior to June 30th of each year, staff shall provide to the Commission an annual written report of all such Inter-fund, Inter-project or Inter-agency loans, amounts repaid and any outstanding loan balances.

ADOPTED this 13th day of December 2005.

SANTA ANA WATERSHED PROJECT AUTHORITY

By: *Mark W. Bulot*
Mark Bulot, Chair



COMMISSION MEMORANDUM NO. 2021.79

DATE: October 19, 2021
TO: SAWPA Commission
SUBJECT: Performance Indicators and Financial Reporting – August 2021
PREPARED BY: Karen Williams, DGM/CFO

RECOMMENDATION

It is recommended that the Commission receive and file staff's report.

DISCUSSION

The attached reports have been developed to keep the Commission informed as to SAWPA's business and budget performance. These reports are categorized into the following groups: financial reporting, cash and investments, and performance indicators. They are explained in detail below. As new reports are developed, they will be added for the Commission's review.

Financial Reporting

| | |
|--------------------------------|---|
| Balance Sheet by Fund Type | Lists total assets, liabilities, and equity by fund type for a given period. |
| Revenue & Expense by Fund Type | Lists total revenue and expenses by fund type for a given period. |
| Receivables Management | Shows total outstanding accounts receivable by age. |
| Open Task Order Schedule | Shows SAWPA's total outstanding obligation for open task orders. |
| List of SAWPA Funds | Shows each SAWPA Fund with the fund description and fund group. |
| Debt Service Funding Analysis | Shows total annual income by source used to make debt service payments through debt maturity at FYE 2048. |
| Debt Service Payment Schedule | Shows total debt service interest and principal payments through debt maturity at FYE 2048. |

Cash and Investments

| | |
|------------------------------------|---|
| Total Cash and Investments (chart) | Shows the changes in cash and investments balance for the last twelve months. |
| Cash Balance & Source of Funds | Shows total cash and investments for all SAWPA funds and the types of investments held for each fund. |
| Cash & Investments (pie chart) | Shows total cash and investments for all SAWPA funds and the percentage of each investment type. |
| Reserve Account Analysis | Shows changes to each reserve account for the year and projected ending balance for each. |

| | |
|--|---|
| Twelve Month Security Schedule (chart) | Shows the maturity dates for securities held and percentage of securities in each category. |
| Treasurer's Report | Shows book and market value for both Treasury strips and securities held by the Agency. |

Performance Indicators

| | |
|-------------------------------|---|
| Average Daily Flow by Month | Shows total flow in the Brine Line System by month compared to total treatment capacity owned. This is an indicator of the available capacity in the line. As we add yearly flows, it will show trends in flow throughout the year. |
| Summary of Labor Multipliers | Summarizes the information generated from the following two reports and compares the actual benefit and Indirect Cost Allocation rates to the total budgeted rates. |
| General Fund Costs | Lists total Fund No. 100 costs to date and the amount of those costs recovered through the Indirect Cost Allocation and member contributions. |
| Benefit Summary | Lists total employee benefit costs actual to budget and projects them through the end of the year. This report compares how the actual benefit rate compares to the budgeted rate. |
| Labor Hours Budget vs. Actual | Shows total budgeted hours for each project and compares them to the actual hours charged to each. |

RESOURCE IMPACTS

Staff expects minimal impacts to SAWPA or its member agencies related to this effort.

Attachments:

- | | |
|---------------------------------------|---|
| 1. Balance Sheet by Fund Type | 10. Reserve Account Analysis |
| 2. Revenue & Expense by Fund Type | 11. Twelve-Month Maturity Schedule - Securities |
| 3. Accounts Receivable Aging Report | 12. Treasurer's Report |
| 4. Open Task Order Schedule | 13. Average Daily Flow by Month |
| 5. List of SAWPA Funds | 14. Summary of Labor Multipliers |
| 6. Debt Service Funding Analysis | 15. General Fund Costs |
| 7. Debt Service Payment Schedule | 16. Benefits |
| 8. Total Cash and Investments (chart) | 17. Labor Hours Budgeted vs. Actual |
| 9. Cash Balance & Source of Funds | |

Santa Ana Watershed Project Authority
Balance Sheet by Fund Type
For the One Month Ending Saturday, July 31, 2021

| | General Fund | Brine Line Enterprise | Capital Projects | OWOW Projects | Roundtable Projects | Fund Totals |
|--|------------------------------|--------------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|
| Assets | | | | | | |
| Current Assets | | | | | | |
| Cash and Investments | \$2,849,238.20 | \$51,594,984.95 | (\$22.29) | \$1,757,856.57 | \$2,427,236.87 | \$58,629,294.30 |
| Accounts Receivable | 286,738.00 | 2,615,068.58 | 0.00 | 7,908,178.78 | 1,038,351.82 | 11,848,337.18 |
| Prepays and Deposits | 60,107.46 | 120,376.70 | 0.00 | 0.00 | 0.00 | 180,484.16 |
| Total Current Assets | <u>3,196,083.66</u> | <u>54,330,430.23</u> | <u>(22.29)</u> | <u>9,666,035.35</u> | <u>3,465,588.69</u> | <u>70,658,115.64</u> |
| Fixed Assets | | | | | | |
| Property, Plant & Equipment | | | | | | |
| less accum depreciation | 1,461,531.24 | 77,187,938.02 | 0.00 | 0.00 | 0.00 | 78,649,469.26 |
| Work In Process | 0.00 | 0.00 | 389,473.60 | 0.00 | 0.00 | 389,473.60 |
| Total fixed assets | <u>1,461,531.24</u> | <u>77,187,938.02</u> | <u>389,473.60</u> | <u>0.00</u> | <u>0.00</u> | <u>79,038,942.86</u> |
| Other Assets | | | | | | |
| Wastewater treatment/disposal | | | | | | |
| rights, net of amortization | 0.00 | 23,176,070.24 | 0.00 | 0.00 | 0.00 | 23,176,070.24 |
| Inventory - Mitigation Credits | 0.00 | 0.00 | 0.00 | 0.00 | 1,910,560.00 | 1,910,560.00 |
| Total Other Assets | <u>0.00</u> | <u>23,176,070.24</u> | <u>0.00</u> | <u>0.00</u> | <u>1,910,560.00</u> | <u>25,086,630.24</u> |
| Total Assets | <u><u>\$4,657,614.90</u></u> | <u><u>\$154,694,438.49</u></u> | <u><u>\$389,451.31</u></u> | <u><u>\$9,666,035.35</u></u> | <u><u>\$5,376,148.69</u></u> | <u><u>\$174,783,688.74</u></u> |
| Liabilities and Fund Equity | | | | | | |
| Current Liabilities | | | | | | |
| Accounts Payable/Accrued Expenses | \$667,703.62 | \$896,277.79 | \$0.00 | \$6,928,699.09 | \$157,559.07 | \$8,650,239.57 |
| Accrued Interest Payable | 0.00 | 221,831.90 | 0.00 | 0.00 | 0.00 | 221,831.90 |
| Customer Deposits | 0.00 | 17,856.22 | 0.00 | 0.00 | 467,074.04 | 484,930.26 |
| Noncurrent Liabilities | | | | | | |
| Long-term Debt | 2,271,166.00 | 25,471,969.27 | 0.00 | 0.00 | 0.00 | 27,743,135.27 |
| Deferred Revenue | 0.00 | 62,678,671.50 | 0.00 | 0.00 | 0.00 | 62,678,671.50 |
| Total Liabilities | <u>2,938,869.62</u> | <u>89,286,606.68</u> | <u>0.00</u> | <u>6,928,699.09</u> | <u>624,633.11</u> | <u>99,778,808.50</u> |
| Fund Equity | | | | | | |
| Contributed Capital | 0.00 | 20,920,507.03 | 0.00 | 0.00 | 0.00 | 20,920,507.03 |
| Retained Earnings | 2,305,948.25 | 43,842,307.95 | 389,473.60 | 2,071,139.48 | 3,797,623.73 | 52,406,493.01 |
| Revenue Over/Under Expenditures | (587,202.97) | 645,016.83 | (22.29) | 666,196.78 | 953,891.85 | 1,677,880.20 |
| Total Fund Equity | <u>1,718,745.28</u> | <u>65,407,831.81</u> | <u>389,451.31</u> | <u>2,737,336.26</u> | <u>4,751,515.58</u> | <u>75,004,880.24</u> |
| Total Liabilities & Fund Equity | <u><u>\$4,657,614.90</u></u> | <u><u>\$154,694,438.49</u></u> | <u><u>\$389,451.31</u></u> | <u><u>\$9,666,035.35</u></u> | <u><u>\$5,376,148.69</u></u> | <u><u>\$174,783,688.74</u></u> |

Santa Ana Watershed Project Authority
Revenue & Expenses by Fund Type
For the One Month Ending Saturday, July 31, 2021

| | General Fund | Brine Line Enterprise | Capital Projects | OWOW Projects | Roundtable Projects | Fund Totals |
|--------------------------------------|---------------------|--------------------------|---------------------|---------------------|------------------------|-----------------------|
| Operating Revenue | | | | | | |
| Discharge Fees | \$0.00 | \$1,247,912.50 | \$0.00 | \$0.00 | \$0.00 | \$1,247,912.50 |
| Grant Proceeds | 0.00 | 0.00 | 0.00 | (2,753,679.90) | 0.00 | (2,753,679.90) |
| Financing Proceeds | 0.00 | 0.00 | 0.00 | 0.00 | 9,489.36 | 9,489.36 |
| Total Operating Revenue | 0.00 | 1,247,912.50 | 0.00 | (2,753,679.90) | 9,489.36 | (1,496,278.04) |
| Operating Expenses | | | | | | |
| Labor | 126,941.59 | 96,087.53 | 7.41 | 42,982.08 | 7,505.15 | 273,523.76 |
| Benefits | 38,179.48 | 38,050.67 | 2.93 | 17,020.89 | 2,972.04 | 96,226.01 |
| Indirect Costs | 0.00 | 154,989.18 | 11.95 | 69,330.10 | 12,105.81 | 236,437.04 |
| Education & Training | 132.11 | 0.00 | 0.00 | 0.00 | 0.00 | 132.11 |
| Consulting & Professional Services | 23,582.40 | 3,316.82 | 0.00 | 7,884.50 | 63,727.51 | 98,511.23 |
| Operating Costs | 622.87 | 280,070.90 | 0.00 | 0.00 | 0.00 | 280,693.77 |
| Repair & Maintenance | 9,332.85 | 316.25 | 0.00 | 0.00 | 0.00 | 9,649.10 |
| Phone & Utilities | 15,183.20 | 921.19 | 0.00 | 0.00 | 0.00 | 16,104.39 |
| Equipment & Computers | 47,051.98 | 29,594.87 | 0.00 | 0.00 | 0.00 | 76,646.85 |
| Meeting & Travel | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 700.00 |
| Other Administrative Costs | 14,660.56 | 12,549.03 | 0.00 | 10,065.00 | 10,000.00 | 47,274.59 |
| Indirect Costs Applied | (237,215.55) | 0.00 | 0.00 | 0.00 | 0.00 | (237,215.55) |
| Other Expenses | 6,258.49 | 13,863.65 | 0.00 | 0.00 | 0.00 | 20,122.14 |
| Construction | 0.00 | 0.00 | 0.00 | (2,748,611.54) | 0.00 | (2,748,611.54) |
| Total Operating Expenses | 45,429.98 | 629,760.09 | 22.29 | (2,601,328.97) | 96,310.51 | (1,829,806.10) |
| Operating Income (Loss) | (45,429.98) | 618,152.41 | (22.29) | (152,350.93) | (86,821.15) | 333,528.06 |
| Nonoperating Income (Expense) | | | | | | |
| Member Contributions | 716,845.00 | 0.00 | 0.00 | 820,000.00 | 20,000.00 | 1,556,845.00 |
| Other Agency Contributions | 0.00 | 0.00 | 0.00 | 0.00 | 1,020,713.00 | 1,020,713.00 |
| Interest Income | 0.00 | 8,870.36 | 0.00 | 0.00 | 0.00 | 8,870.36 |
| Other Income | 0.00 | 200.30 | 0.00 | 0.00 | 0.00 | 200.30 |
| Retiree Medical Benefits | (17,507.44) | 0.00 | 0.00 | 0.00 | 0.00 | (17,507.44) |
| Total Nonoperating Income (Expense) | 699,337.56 | 9,070.66 | 0.00 | 820,000.00 | 1,040,713.00 | 2,569,121.22 |
| Excess Rev over (under) Exp | <u>\$653,907.58</u> | <u>\$627,223.07</u> | <u>(\$22.29)</u> | <u>\$667,649.07</u> | <u>\$953,891.85</u> | <u>\$2,902,649.28</u> |

Aging Report
Santa Ana Watershed Project Authority
Receivables as of August 31, 2021

| Customer Name | Project | Total | 0-30 Days | 31-60 Days | 61 and Over |
|--|---|--------------|--------------|--------------|--------------|
| Chino Basin Desalter Authority | Brine Line | 182,880.74 | 159,134.48 | 181,680.74 | 1,200.00 |
| Department of Water Resources | Prop 84, Prop 1 | 5,682,702.39 | | | 5,682,702.39 |
| Eastern Municipal Water District | Brine Line | 387,173.88 | 178,811.76 | 208,362.12 | |
| Great Los Angeles County IRWM | Roundtable of Regions | 10,300.00 | | 10,300.00 | |
| Inland Empire Utilities Agency | Brine Line, Emerging Constituents | 238,485.03 | 100,638.48 | 137,846.55 | |
| Orange County Flood Control District | RWQ Monitoring | 9,007.00 | | | 9,007.00 |
| Rialto BioEnergy | Brine Line | 8,896.88 | 8,896.88 | | |
| Riverside, City of | Basin Monitoring, MSAR TMDL | 11,641.50 | | | 11,641.50 |
| RIX | Emerging Constituents, Basin Monitoring | 31,976.00 | | | 31,976.00 |
| San Bernardino County Flood Control District | RWQ Monitoring, MSAR TMDL | 241,145.00 | | | 241,145.00 |
| San Bernardino Valley Municipal Water District | Brine Line | 276,808.76 | 135,182.38 | 141,626.38 | |
| San Diego, City of | Roundtable of Regions | 2,600.00 | | 2,600.00 | |
| San Diego County Water Authority | Roundtable of Regions | 6,000.00 | | 6,000.00 | |
| Santa Barbara County IRWM | Roundtable of Regions | 3,000.00 | | 3,000.00 | |
| Santa Clara Valley Water District | Roundtable of Regions | 10,300.00 | | 10,300.00 | |
| Western Municipal Water District | Brine Line | 1,124,301.01 | 486,465.13 | 634,637.31 | 3,198.57 |
| Total Accounts Receivable | | 8,227,218.19 | 1,069,129.11 | 1,336,353.10 | 5,980,870.46 |

Santa Ana Watershed Project Authority
Open Task Orders Schedule
Aug-21
(Reflects Invoices Received as of 09/14/21)

| Task Order No. Project Contracts | Fund No. | Vendor Name | Task Description | Begin Date | End Date | Original Contract | Change Orders | Total Contract | Billed To Date | Contract Balance | SAWPA Manager | Comments |
|-------------------------------------|----------|------------------------------------|---|------------|------------|-------------------|---------------|----------------|----------------|------------------|-----------------|----------|
| ACS100-22 | 100-00 | Accent Computer Solutions | IT Services | 07/01/2021 | 09/30/2021 | \$ 19,000.00 | \$ - | \$ 19,000.00 | \$ 17,463.06 | \$ 1,536.94 | Dean Unger | |
| BGB100-01 | 100-00 | BGB Design Group | SAWPA Building Landscaping Design | 12/17/2020 | 12/31/2021 | \$ 16,800.00 | \$ - | \$ 16,800.00 | \$ 8,800.00 | \$ 8,000.00 | Carlos Quintero | |
| GPA100-01 | 100-00 | Gillis & Panichapan Architects | SAWPA Building Renovations | 10/13/2020 | 06/30/2022 | \$ 45,200.00 | \$ - | \$ 45,200.00 | \$ 21,216.76 | \$ 23,983.24 | Carlos Quintero | |
| INSOL100-17 | 100-00 | Integrated Systems Solutions | Great Plains and Journyx Tech Support | 07/01/2021 | 06/30/2022 | \$ 4,750.00 | \$ - | \$ 4,750.00 | \$ 518.00 | \$ 4,232.00 | Dean Unger | |
| KON100-08 | 100-00 | Konica Minolta | Copiers and Scanners Lease | 01/15/2021 | 01/15/2025 | \$ 29,040.00 | \$ - | \$ 29,040.00 | \$ 4,595.69 | \$ 24,444.31 | Dean Unger | |
| LSGK100-10 | 100-00 | Lagerlof, LLP | Legal Services | 07/01/2021 | 06/30/2022 | \$ 99,830.00 | \$ - | \$ 99,830.00 | \$ 4,857.50 | \$ 94,972.50 | Jeff Mosher | |
| TEAM100-08 | 100-00 | Teaman, Ramirez, & Smith | Auditing Services | 02/16/2021 | 06/30/2022 | \$ 23,750.00 | \$ - | \$ 23,750.00 | \$ 5,000.00 | \$ 18,750.00 | Karen Williams | |
| BMH100-01 | 100-03 | Bell, McAndrews, & Hiltachk | FPPC Lobby Reporting | 07/01/2021 | 06/30/2022 | \$ 1,200.00 | \$ - | \$ 1,200.00 | \$ 333.00 | \$ 867.00 | Karen Williams | |
| JRE100-02 | 100-03 | J. Richard Eichman | FPPC Reporting | 01/01/2021 | 01/31/2022 | \$ 12,600.00 | \$ - | \$ 1,260.00 | \$ 544.30 | \$ 715.70 | Karen Williams | |
| WCA100-03-04 | 100-03 | West Coast Advisors | State Legislative Consulting | 09/15/2020 | 12/21/2022 | \$ 240,000.00 | \$ - | \$ 240,000.00 | \$ 87,750.00 | \$ 152,250.00 | Jeff Mosher | |
| WO2022-4 | 240 | E S Babcock | Water Quality Analysis & Sampling | 07/01/2021 | 06/30/2022 | \$ 75,625.00 | \$ - | \$ 75,625.00 | \$ 7,299.00 | \$ 68,326.00 | Carlos Quintero | |
| WO2022-18 | 240 | E S Babcock | PFAS Water Quality Analysis | 07/01/2021 | 06/30/2022 | \$ 8,460.00 | \$ - | \$ 8,460.00 | \$ 1,410.00 | \$ 7,050.00 | Carlos Quintero | |
| DOUG240-04 | 240 | Douglas Environmental | On-Call Brine Line Flow Meter Calibration | 07/01/2021 | 06/30/2023 | \$ 24,575.00 | \$ - | \$ 24,575.00 | \$ - | \$ 24,575.00 | Carlos Quintero | |
| DOW240-02 | 240 | Downstream Services | Brine Line Pipe Cleaning Services | 07/01/2020 | 06/30/2022 | \$ 210,476.00 | \$ - | \$ 210,476.00 | \$ 20,911.00 | \$ 189,565.00 | Carlos Quintero | |
| DUDK240-05 | 240 | Dudek | Brine Line Criticality Assessment | 07/01/2020 | 08/31/2021 | \$ 89,560.00 | \$ - | \$ 89,560.00 | \$ 81,745.00 | \$ 7,815.00 | David Ruhl | |
| HAZ240-11 | 240 | Haz Mat Trans Inc | Line Draining & Emergency Response | 07/01/2021 | 06/30/2023 | \$ 139,360.00 | \$ - | \$ 139,360.00 | \$ - | \$ 139,360.00 | Carlos Quintero | |
| HAZ240-12 | 240 | Haz Mat Trans Inc | BL Debris Hauling & Disposal Services | 07/01/2021 | 06/30/2023 | \$ 63,990.00 | \$ - | \$ 63,990.00 | \$ - | \$ 63,990.00 | Carlos Quintero | |
| WO2022-5 | 240 | Inland Empire Utilities Agency | Reach 4A Upper - BL Maintenance | 07/01/2021 | 06/30/2022 | \$ 10,000.00 | \$ - | \$ 10,000.00 | \$ - | \$ 10,000.00 | Carlos Quintero | |
| INN240-04 | 240 | Innerline Engineering | Brine Line On-Call Inspection Services | 07/01/2021 | 06/30/2023 | \$ 99,050.00 | \$ - | \$ 99,050.00 | \$ - | \$ 99,050.00 | Carlos Quintero | |
| TKE240-03 | 240 | TKE Engineering & Planning | On-Call Brine Line Land Surveying | 07/01/2021 | 06/30/2023 | \$ 36,800.00 | \$ - | \$ 36,800.00 | \$ - | \$ 36,800.00 | Carlos Quintero | |
| TRU240-25 | 240 | Trussell Technologies | S-01 Solids Characterization | 01/01/2021 | 12/31/2021 | \$ 13,100.00 | \$ - | \$ 13,100.00 | \$ 7,521.08 | \$ 5,578.92 | Carlos Quintero | |
| TRU240-26 | 240 | Trussell Technologies | Brine Line PFAS Assessment | 05/11/2021 | 06/30/2022 | \$ 15,560.00 | \$ - | \$ 15,560.00 | \$ 7,380.00 | \$ 8,180.00 | Carlos Quintero | |
| BLAIS370-02 | 370-01 | Blais & Associates | Grant Needs Assessment & Grant Monitoring | 10/01/2018 | 12/31/2021 | \$ 24,700.00 | \$ - | \$ 24,700.00 | \$ 19,513.44 | \$ 5,186.56 | Ian Achimore | |
| NAWC370-02 | 370-01 | North American Weather Consultants | Weather Modification Ground Seeding Site Analysis | 05/05/2021 | 12/31/2021 | \$ 14,500.00 | \$ - | \$ 14,500.00 | \$ 7,250.00 | \$ 7,250.00 | Mark Norton | |
| JMC373-03 | 373 | JM Consultants | Roundtable of Regions Network Coordinator | 07/01/2021 | 06/30/2022 | \$ 72,900.00 | \$ - | \$ 72,900.00 | \$ - | \$ 72,900.00 | Ian Achimore | 128 |
| GEO374-02 | 374 | GeoScience Support Services | SAR WLA Model Supplemental Runs | 07/01/2021 | 09/30/2021 | \$ 31,940.00 | \$ - | \$ 31,940.00 | \$ 31,912.00 | \$ 28.00 | Mark Norton | |

Santa Ana Watershed Project Authority
Open Task Orders Schedule
Aug-21
(Reflects Invoices Received as of 09/14/21)

| Task Order No. Project Contracts | Fund No. | Vendor Name | Task Description | Begin Date | End Date | Original Contract | Change Orders | Total Contract | Billed To Date | Contract Balance | SAWPA Manager | Comments |
|-------------------------------------|----------|---------------------------------|--|------------|------------|-------------------|---------------|-----------------|----------------|------------------|---------------|----------|
| KSC374-02 | 374 | Kahn, Soares, & Conway | Basin Monitoring TF Regulatory Support | 07/01/2021 | 06/30/2023 | \$ 116,000.00 | \$ - | \$ 116,000.00 | \$ 4,725.00 | \$ 111,275.00 | Mark Norton | |
| WEST374-01 | 374 | West Yost | Workplan for Basin Monitoring Program TF Planning | 07/01/2021 | 06/30/2022 | \$ 339,102.00 | \$ - | \$ 339,102.00 | \$ - | \$ 339,102.00 | Mark Norton | |
| SAWA381-01 | 381 | Santa Ana Watershed Association | Van Buren Bridge Sucker Restoration | 09/26/2018 | 12/31/2021 | \$ 15,130.20 | \$ 5,228.00 | \$ 20,358.20 | \$ 17,188.51 | \$ 3,169.69 | Ian Achimore | |
| KSC384-02 | 384-01 | Kahn, Soares, & Conway | MSAR Pathogen TMDL TF Regulatory Support | 07/01/2021 | 06/30/2023 | \$ 149,750.00 | \$ - | \$ 149,750.00 | \$ 9,048.00 | \$ 140,702.00 | Mark Norton | |
| CDM386-15 | 386 | CDM Smith | Regional Bacteria Monitoring Program | 06/01/2020 | 09/30/2021 | \$ 412,633.00 | \$ 2,820.00 | \$ 415,453.00 | \$ 385,752.37 | \$ 29,700.63 | Rick Whetsel | |
| CDM386-16 | 386 | CDM Smith | Implementation of SAR Regional Bacteria Monitoring Program | 01/01/2021 | 06/30/2024 | \$ 1,070,535.00 | \$ - | \$ 1,070,535.00 | \$ 94,636.18 | \$ 975,898.82 | Rick Whetsel | |
| GEI386-01 | 386 | GEI Consultants | Homeless Encampment - Phase 1A Water Quality Monitoring | 07/01/2021 | 12/31/2022 | \$ 119,514.00 | \$ - | \$ 119,514.00 | \$ 15,711.45 | \$ 103,802.55 | Rick Whetsel | |
| PRO387-01 | 387 | Project Partners | Headwaters Project - Access to Parcels | 12/01/2020 | 12/01/2021 | \$ 23,800.00 | \$ - | \$ 23,800.00 | \$ 15,140.82 | \$ 8,659.18 | Ian Achimore | |
| SAWA387-06 | 387 | Santa Ana Watershed Association | Arundo Surveying | 07/17/2018 | 08/31/2021 | \$ 23,000.00 | \$ - | \$ 23,000.00 | \$ 1,498.57 | \$ 21,501.43 | Ian Achimore | |
| JPW392-01 | 392 | JPW Communications | Emerging Constituents Program Social Media Support | 07/01/2020 | 06/30/2023 | \$ 105,000.00 | \$ - | \$ 105,000.00 | \$ 40,458.25 | \$ 64,541.75 | Mark Norton | |
| KSC392-02 | 392 | Kahn, Soares, & Conway | Emerging Constituents Program TF Regulatory Support | 07/01/2021 | 06/30/2023 | \$ 46,500.00 | \$ - | \$ 46,500.00 | \$ 862.50 | \$ 45,637.50 | Mark Norton | |
| QUAN504-01 | 504-04 | Quantum Spatial, Inc. | Water Efficiency Budget Assistance | 02/10/2021 | 02/28/2023 | \$ 594,387.00 | \$ - | \$ 594,387.00 | \$ - | \$ 594,387.00 | Ian Achimore | |
| RMC504-401-08 | 504-04 | Woodard & Curran | SARCCUP Program Mgmt. Services | 07/01/2021 | 06/30/2022 | \$ 132,872.00 | \$ - | \$ 132,872.00 | \$ 5,829.50 | \$ 127,042.50 | Ian Achimore | |
| GEO505-01 | 505-00 | Geophex, Ltd. | 2021 Imagery Acquisition Project | 04/27/2021 | 04/15/2022 | \$ 210,353.00 | \$ - | \$ 210,353.00 | \$ - | \$ 210,353.00 | Ian Achimore | |

\$ 3,851,179.22

LIST OF SAWPA FUNDS

| Fund No. | Fund Description | Fund Group |
|-----------------|---|-------------------|
| 100-00 | General Fund | General |
| 100-03 | State Outreach | General |
| 100-04 | Federal Outreach | General |
| 100-05 | Grant Applications | General |
| 130 | Proposition 84 – Program Management - Round 1 | OWOW |
| 135 | Proposition 84 – Program Management – Round 2 | OWOW |
| 140 | Proposition 84 – Program Management – Drought Round | OWOW |
| 145 | Proposition 84 – Program Management – 2015 Round | OWOW |
| 150 | Proposition 1 – Program Management | OWOW |
| 240 | Brine Line Enterprise | Brine Line |
| 320-01 | Brine Line Protection – Downstream Prado | Capital Projects |
| 320-03 | Brine Line Protection Above Prado | Capital Projects |
| 320-04 | Brine Line Protection D/S Prado in Riverside County | Capital Projects |
| 327 | Reach IV-D Corrosion Repair | Capital Projects |
| 370-01 | Basin Planning General | OWOW |
| 370-02 | USBR Partnership Studies | OWOW |
| 372 | Imported Water Recharge Work Group | Roundtable |
| 373 | Watershed Management (OWOW) | OWOW |
| 374 | Basin Monitoring Program Task Force | Roundtable |
| 381 | Santa Ana River Fish Conservation | Roundtable |
| 384-01 | MSAR TMDL Task Force | Roundtable |
| 386 | Regional Water Quality Monitoring Task Force | Roundtable |
| 387 | Arundo Management & Habitat Restoration | Roundtable |
| 392 | Emerging Constituents Task Force | Roundtable |
| 397 | Energy – Water DAC Grant Project | OWOW |
| 398 | Proposition 1 - DACI | OWOW |
| 477 | LESJWA Administration | Roundtable |
| 504-01 | Proposition 84 – Capital Projects Round 1 & 2 | OWOW |
| 504-00 | Proposition 84 – Drought Capital Projects | OWOW |
| 504-04 | Proposition 84 – Final Round SARCCUP | OWOW |
| 505-00 | Proposition 1 – Capital Projects | OWOW |

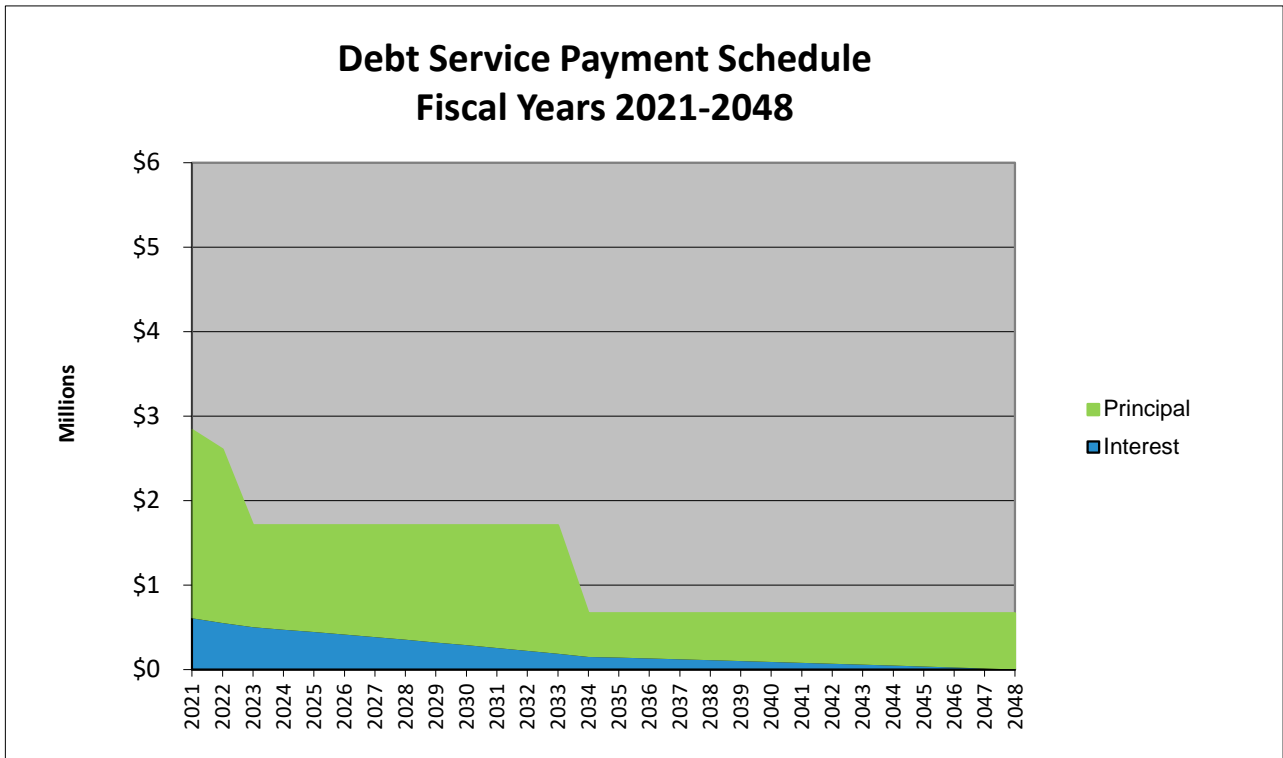
Santa Ana Watershed Project Authority
 Brine Line Debt Service Funding Analysis
 August 31, 2021

| FYE | T-Strip Maturity | Capacity Loan Receipts | Rates | Loan Pymts | Interest Earned * | Excess Cash | Ending Cash Balance |
|------|---------------------|---------------------------|------------|--------------|-------------------|-------------|------------------------|
| | Beginning Balance | | | | | | 3,712,038 |
| 2022 | - | - | 1,709,476 | (2,608,439) | 30,621 | (868,342) | 2,843,696 |
| 2023 | - | - | 1,709,476 | (1,709,476) | 21,938 | 21,938 | 2,865,634 |
| 2024 | - | - | 1,709,476 | (1,709,476) | 22,157 | 22,157 | 2,887,792 |
| 2025 | - | - | 1,709,476 | (1,709,476) | 22,379 | 22,379 | 2,910,171 |
| 2026 | - | - | 1,709,476 | (1,709,476) | 22,603 | 22,603 | 2,932,773 |
| 2027 | - | - | 1,709,476 | (1,709,476) | 22,829 | 22,829 | 2,955,602 |
| 2028 | - | - | 1,709,476 | (1,709,476) | 23,057 | 23,057 | 2,978,659 |
| 2029 | - | - | 1,709,476 | (1,709,476) | 23,288 | 23,288 | 3,001,947 |
| 2030 | - | - | 1,709,476 | (1,709,476) | 23,520 | 23,520 | 3,025,467 |
| 2031 | - | - | 1,709,476 | (1,709,476) | 23,756 | 23,756 | 3,049,223 |
| 2032 | - | - | 1,709,476 | (1,709,476) | 23,993 | 23,993 | 3,073,216 |
| 2033 | - | - | 1,709,476 | (1,709,476) | 24,233 | 24,233 | 3,097,449 |
| 2034 | - | - | 665,203 | (665,203) | 24,475 | 24,475 | 3,121,925 |
| 2035 | - | - | 665,203 | (665,203) | 24,720 | 24,720 | 3,146,646 |
| 2036 | - | - | 665,203 | (665,203) | 24,967 | 24,967 | 3,171,612 |
| 2037 | - | - | 665,203 | (665,203) | 25,217 | 25,217 | 3,196,830 |
| 2038 | - | - | 665,203 | (665,203) | 25,469 | 25,469 | 3,222,299 |
| 2039 | - | - | 665,203 | (665,203) | 25,724 | 25,724 | 3,248,023 |
| 2040 | - | - | 665,203 | (665,203) | 25,981 | 25,981 | 3,274,004 |
| 2041 | - | - | 665,203 | (665,203) | 26,241 | 26,241 | 3,300,245 |
| 2042 | - | - | 665,203 | (665,203) | 26,503 | 26,503 | 3,326,748 |
| 2043 | - | - | 665,203 | (665,203) | 26,768 | 26,768 | 3,353,517 |
| 2044 | - | - | 665,203 | (665,203) | 27,036 | 27,036 | 3,380,553 |
| 2045 | - | - | 665,203 | (665,203) | 27,307 | 27,307 | 3,407,860 |
| 2046 | - | - | 665,203 | (665,203) | 27,580 | 27,580 | 3,435,439 |
| 2047 | - | - | 665,203 | (665,203) | 27,855 | 27,855 | 3,463,295 |
| 2048 | - | - | 665,203 | (665,203) | 28,134 | 28,134 | 3,491,428 |
| | - | - | 30,491,747 | (31,390,710) | 678,354 | (220,610) | - |

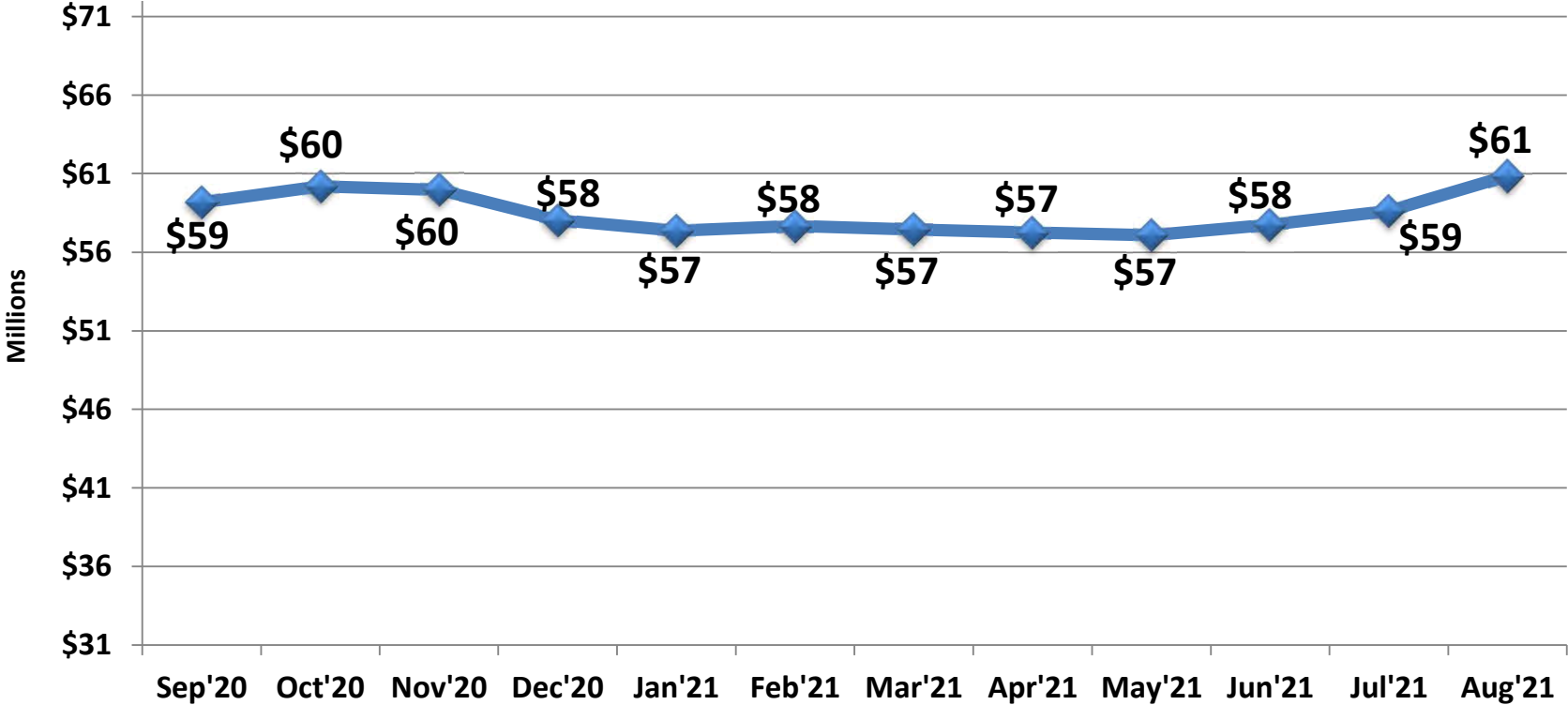
*Interest earned is based on a conservative 1.00% average return over the period

Santa Ana Watershed Project Authority
 Brine Line Debt Service Payment Schedule
 August 31, 2021

| FYE | Interest | Principal | Total Payment | New SRF Loan | Remaining Principal |
|------|----------|-----------|---------------|--------------|---------------------|
| 2021 | 620,782 | 2,214,971 | 2,835,753 | - | 25,471,969 |
| 2022 | 564,959 | 2,043,480 | 2,608,439 | - | 23,428,489 |
| 2023 | 514,301 | 1,195,175 | 1,709,476 | - | 22,233,314 |
| 2024 | 486,080 | 1,223,395 | 1,709,476 | - | 21,009,919 |
| 2025 | 457,181 | 1,252,295 | 1,709,476 | - | 19,757,624 |
| 2026 | 427,585 | 1,281,891 | 1,709,476 | - | 18,475,733 |
| 2027 | 397,276 | 1,312,199 | 1,709,476 | - | 17,163,534 |
| 2028 | 366,237 | 1,343,239 | 1,709,476 | - | 15,820,295 |
| 2029 | 334,449 | 1,375,027 | 1,709,476 | - | 14,445,268 |
| 2030 | 301,894 | 1,407,582 | 1,709,476 | - | 13,037,686 |
| 2031 | 268,553 | 1,440,923 | 1,709,476 | - | 11,596,763 |
| 2032 | 234,407 | 1,475,068 | 1,709,476 | - | 10,121,694 |
| 2033 | 199,437 | 1,510,039 | 1,709,476 | - | 8,611,656 |
| 2034 | 163,621 | 501,581 | 665,203 | - | 8,110,075 |
| 2035 | 154,091 | 511,111 | 665,203 | - | 7,598,964 |
| 2036 | 144,380 | 520,822 | 665,203 | - | 7,078,141 |
| 2037 | 134,485 | 530,718 | 665,203 | - | 6,547,424 |
| 2038 | 124,401 | 540,801 | 665,203 | - | 6,006,622 |
| 2039 | 114,126 | 551,077 | 665,203 | - | 5,455,545 |
| 2040 | 103,655 | 561,547 | 665,203 | - | 4,893,998 |
| 2041 | 92,986 | 572,217 | 665,203 | - | 4,321,782 |
| 2042 | 82,114 | 583,089 | 665,203 | - | 3,738,693 |
| 2043 | 71,035 | 594,167 | 665,203 | - | 3,144,526 |
| 2044 | 59,746 | 605,457 | 665,203 | - | 2,539,069 |
| 2045 | 48,242 | 616,960 | 665,203 | - | 1,922,109 |
| 2046 | 36,520 | 628,682 | 665,203 | - | 1,293,427 |
| 2047 | 24,575 | 640,627 | 665,203 | - | 652,799 |
| 2048 | 12,403 | 652,799 | 665,203 | - | (0) |



Total Cash & Investments





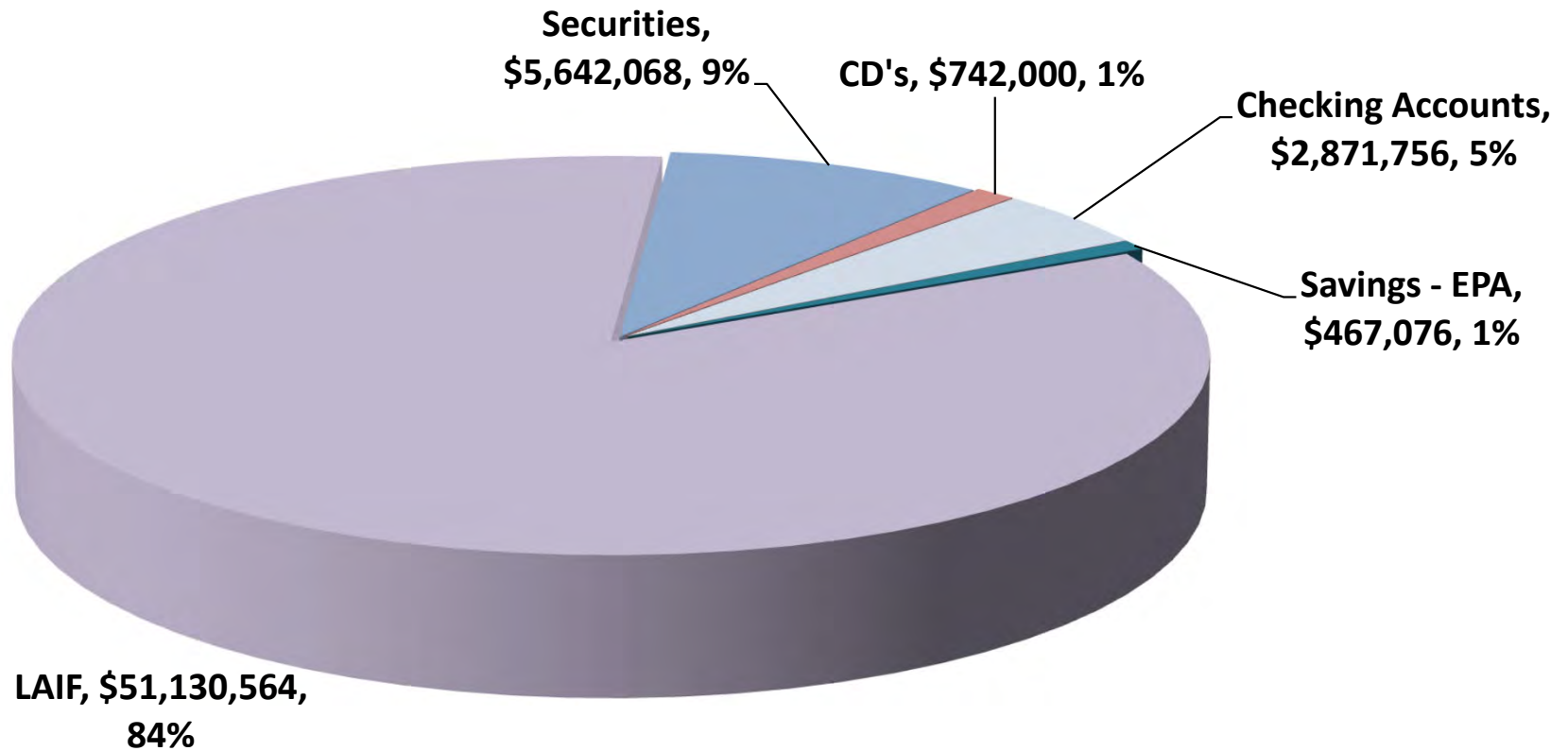
CASH BALANCE & SOURCE OF FUNDS

August 31, 2021

| Reserve Accounts | | Cash and Investments | | | | | | |
|------------------|---|----------------------|-----------------|----------------|--------------------------|----------------------------|---------------|------------------------------|
| | Total | Checking (Cash) | LAIF Account | Savings EPA | Investment Securities | Certificates of Deposit | Total | |
| 100 | General Fund | \$ 1,955,064 | 1,955,064 | - | - | - | \$ 1,955,064 | |
| 100 | Building Reserve | \$ 744,096 | - | 744,096 | - | - | \$ 744,096 | |
| 370 | Basin Planning General | \$ 491,715 | - | 491,715 | - | - | \$ 491,715 | |
| 370 | USBR Partnership Studies | \$ 73,954 | - | 73,954 | - | - | \$ 73,954 | |
| 373 | Watershed Management Plan | \$ 737,372 | - | 737,372 | - | - | \$ 737,372 | |
| 240 | Self Insurance Reserve | \$ 4,500,118 | - | 4,500,118 | - | - | \$ 4,500,118 | |
| 240 | Brine Line Debt Retirement | \$ 3,716,957 | - | 3,716,957 | - | - | \$ 3,716,957 | |
| 240 | Brine Line - Pipeline Replacement | \$ 22,043,857 | - | 15,659,789 | - | 5,642,068 | \$ 22,043,857 | |
| 240 | Brine Line - OC San Rehabilitation | \$ 2,380,866 | - | 2,380,866 | - | - | \$ 2,380,866 | |
| 240 | Brine Line - Capacity Management | \$ 11,989,412 | - | 11,989,412 | - | - | \$ 11,989,412 | |
| 240 | Brine Line - OC San Future Capacity | \$ 1,835,618 | - | 1,835,618 | - | - | \$ 1,835,618 | |
| 240 | Brine Line - Flow Imbalance Reserve | \$ 83,789 | - | 83,789 | - | - | \$ 83,789 | |
| 240 | Brine Line - Rate Stabilization Reserve | \$ 1,028,630 | - | 1,028,630 | - | - | \$ 1,028,630 | |
| 240 | Brine Line - Operating Reserve | \$ 5,088,983 | 916,692 | 4,172,291 | - | - | \$ 5,088,983 | |
| 401 | Legal Defense Fund | \$ 467,076 | - | - | 467,076 | - | \$ 467,076 | |
| 374 | Basin Monitoring Program TF | \$ 615,470 | - | 615,470 | - | - | \$ 615,470 | |
| 381 | SAR Fish Conservation | \$ 115,394 | - | 115,394 | - | - | \$ 115,394 | |
| 384 | Middle SAR TMDL TF | \$ 253,885 | - | 253,885 | - | - | \$ 253,885 | |
| 386 | RWQ Monitoring TF | \$ 408,403 | - | 408,403 | - | - | \$ 408,403 | |
| 387 | Mitigation Bank Credits | \$ 900,408 | - | 900,408 | - | - | \$ 900,408 | |
| 392 | Emerging Constituents TF | \$ 125,182 | - | 125,182 | - | - | \$ 125,182 | |
| 504 | Prop 84 - SARCCUP Projects | \$ 1,028,689 | - | 1,028,689 | - | - | \$ 1,028,689 | |
| 505 | Prop 1 - Capital Projects | \$ 268,528 | - | 268,528 | - | - | \$ 268,528 | |
| | | \$ 60,853,464 | \$ 2,871,756 | \$ 51,130,564 | \$ 467,076 | \$ 5,642,068 | \$ 742,000 | \$ ¹³⁴ 60,853,464 |

Cash & Investments - August 2021

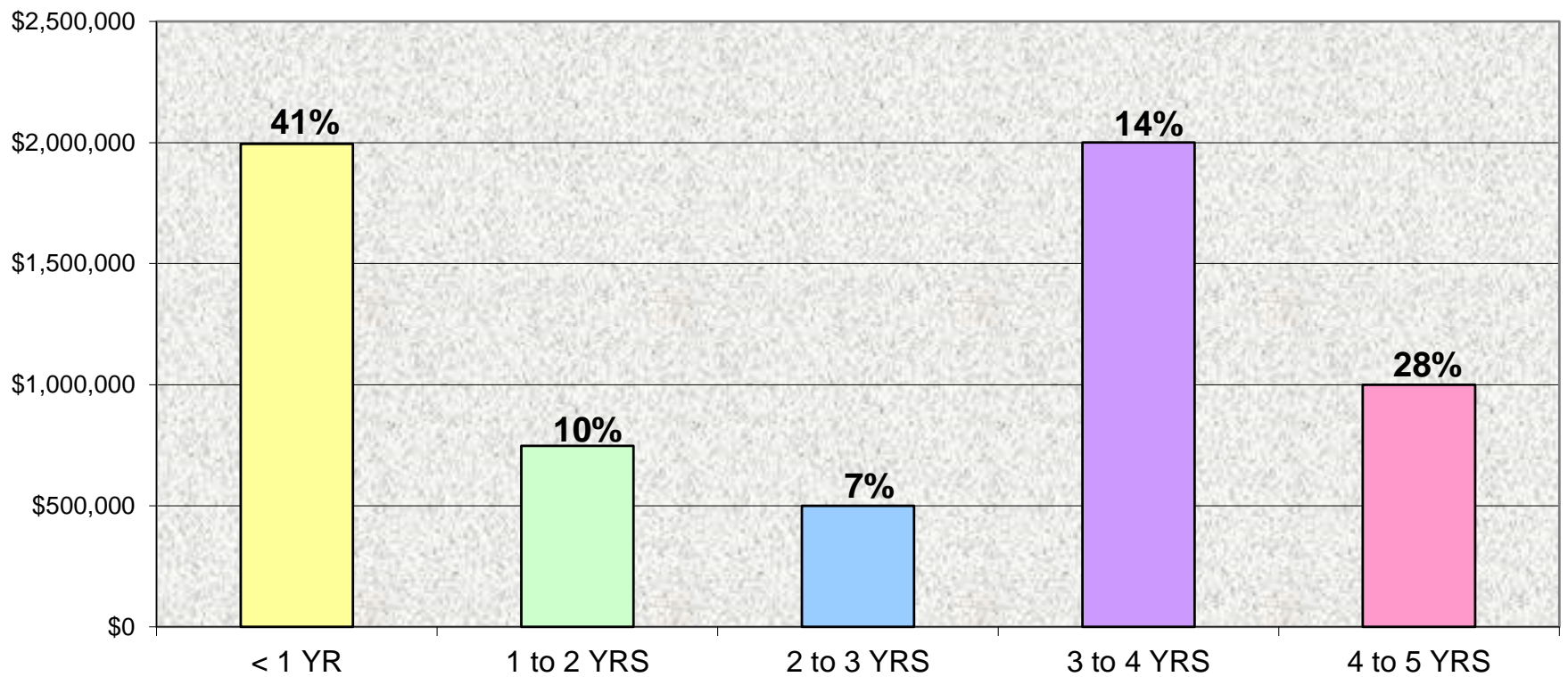
\$60,853,464



Santa Ana Watershed Project Authority
Reserve Account Analysis
August 31, 2021

| Reserve Account | Balance @ 6/30/2021 | Interest Earned | Fund Receipts/ Contributions | Debt Service Payments | Inter-Fund Loans | Fund Expenses | Balance @ 8/31/2021 | Estimated Fund Changes | Balance @ 6/30/2022 |
|------------------------------|------------------------|--------------------|---------------------------------|--------------------------|---------------------|------------------|------------------------|------------------------------|------------------------|
| Brine Line Operating Reserve | 3,672,578 | 4,377 | 2,188,083 | | | (776,055) | 5,088,983 | - | 5,088,983 |
| Flow Imbalance Reserve | 83,681 | 107 | | | | | 83,789 | - | 83,789 |
| OC San Future Capacity | 1,833,264 | 2,354 | | | | | 1,835,618 | - | 1,835,618 |
| Capacity Management | 11,981,707 | 7,705 | | | | | 11,989,412 | - | 11,989,412 |
| Rate Stabilization Reserve | 1,027,311 | 1,319 | | | | | 1,028,630 | - | 1,028,630 |
| Pipeline Replacement | 21,889,082 | - | 154,797 | | | (22) | 22,043,857 | (1,012,876) | 21,030,981 |
| OC San Rehabilitation | 2,377,813 | 3,053 | | | | | 2,380,866 | - | 2,380,866 |
| Debt Retirement | 3,712,038 | 4,919 | | | | | 3,716,957 | (898,963) | 2,817,994 |
| Self Insurance | 4,494,364 | 5,754 | | | | | 4,500,118 | - | 4,500,118 |
| General Fund | 2,163,987 | 3,542 | 718,127 | | (523,401) | (407,191) | 1,955,064 | - | 1,955,064 |
| Building Reserve | 643,260 | 835 | 100,000 | | | | 744,095 | - | 744,095 |
| | 53,879,085 | 33,966 | 3,161,007 | - | (523,401) | (1,183,268) | 55,367,389 | (1,911,839) | 53,455,550 |

Twelve Month Maturity Schedule Securities

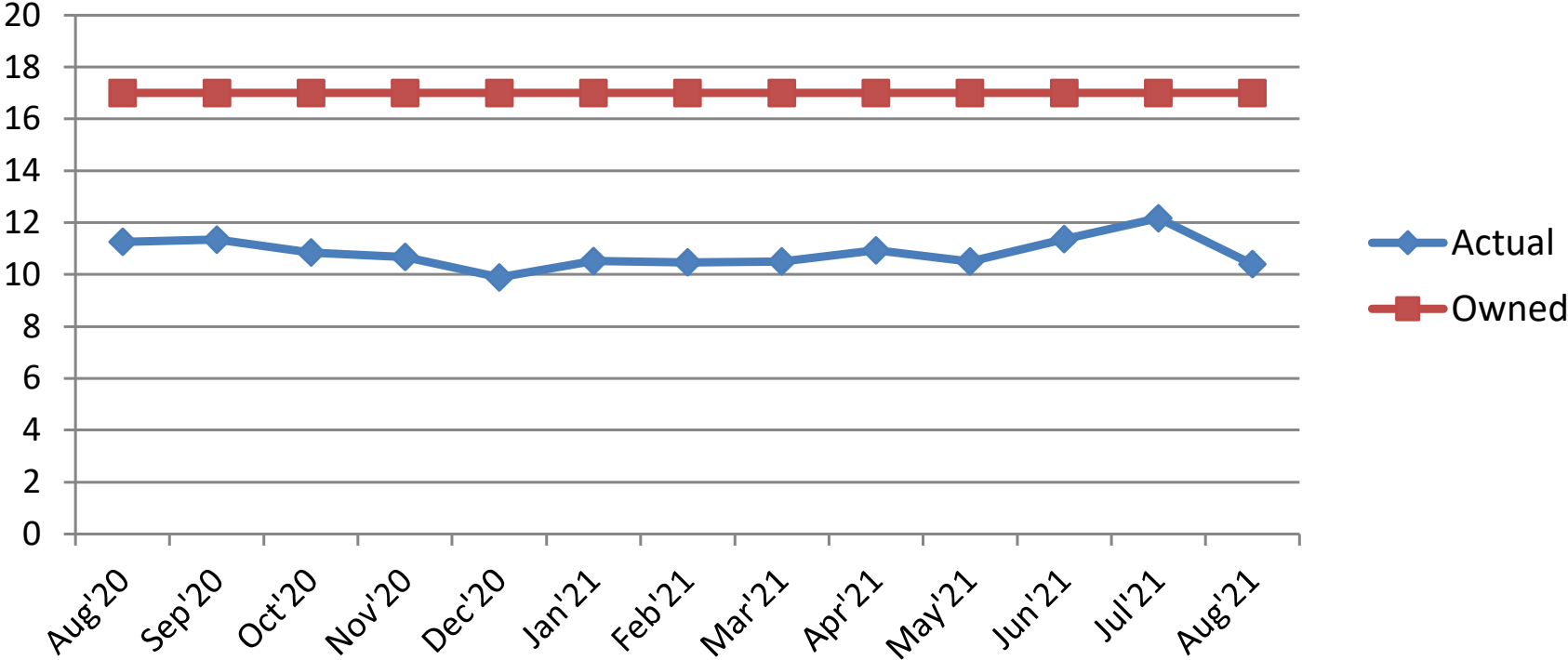


SAWPA
TREASURER'S REPORT
As of August 31, 2021

Investment Commercial
Safekeeping US Bank

| Type | Security | Purchase Date | Maturity Date | Unit Cost | Cost | Principal | Current Value | Market Value | Interest Rate |
|--------|---------------------------|---------------|---------------|-----------|-----------------|-----------------|-----------------|--------------|---------------|
| Agency | FHLMC | 4/17/2017 | 1/13/2022 | 102.55 | \$ 512,767.00 | \$ 500,000.00 | \$ 500,000.00 | 504,265.00 | 2.375% |
| Agency | FHLB | 12/14/2017 | 6/10/2022 | 99.89 | \$ 998,930.00 | \$ 1,000,000.00 | \$ 1,000,000.00 | 1,015,745.00 | 2.125% |
| Agency | FHLB | 2/4/2020 | 12/13/2024 | 106.25 | \$ 531,250.00 | \$ 500,000.00 | \$ 500,000.00 | 536,549.00 | 2.750% |
| Agency | FNMA | 2/4/2020 | 1/7/2025 | 101.08 | \$ 505,380.00 | \$ 500,000.00 | \$ 500,000.00 | 519,582.00 | 1.625% |
| Agency | FNMA | 10/30/2020 | 8/25/2025 | 99.53 | \$ 995,952.00 | \$ 1,000,000.00 | \$ 1,000,000.00 | 990,495.00 | 0.375% |
| Agency | USTN | 4/19/2021 | 11/30/2025 | 98.25 | \$ 982,500.00 | \$ 1,000,000.00 | \$ 1,000,000.00 | 987,773.00 | 0.375% |
| CORP | Apple Inc. | 10/15/2018 | 5/3/2023 | 95.98 | \$ 479,898.50 | \$ 500,000.00 | \$ 500,000.00 | 517,978.50 | 2.400% |
| CORP | Toyota Motor Credit Corp. | 10/15/2018 | 9/20/2023 | 99.55 | \$ 497,747.50 | \$ 500,000.00 | \$ 500,000.00 | 531,516.00 | 3.450% |
| CD | Sallie Mae BK SLT | 7/1/2019 | 6/27/2022 | 100.00 | \$ 247,000.00 | \$ 247,000.00 | \$ 247,000.00 | 247,000.00 | 2.250% |
| CD | Morgan Stanley Bank NA | 7/5/2019 | 7/5/2022 | 100.00 | \$ 247,000.00 | \$ 247,000.00 | \$ 247,000.00 | 247,000.00 | 2.200% |
| CD | Goldman Sachs Bank USA | 12/20/2017 | 12/20/2022 | 100.00 | \$ 248,000.00 | \$ 248,000.00 | \$ 248,000.00 | 248,000.00 | 2.500% |
| | | | | | \$ 6,246,425.00 | \$ 6,242,000.00 | \$ 6,242,000.00 | 6,345,903.50 | 2.039% |

Average Daily Flow by Month





SUMMARY OF LABOR MULTIPLIERS

| | | |
|--|----------|---------------|
| | | Benefit Rate |
| Total Employee Benefits | 200,100 | 0.307 |
| Total Payroll | 651,853 | |
| | | |
| Gross Indirect Costs | 502,559 | |
| Less: Member Contributions & Other Revenue | (79,167) | |
| Indirect Costs for Distribution | 423,392 | |
| | | |
| | | Indirect Rate |
| Direct Labor | 423,868 | 0.999 |
| Indirect Costs | 423,392 | |
| | | |
| FY 2021-22 Labor multiplier - thru 08/31/21 | | 1.306 |
| | | |
| FY 2021-22 Budgeted Labor multiplier | | <u>2.009</u> |
| FY 2020-21 Labor multiplier | | <u>1.724</u> |
| FY 2019-20 Labor multiplier | | <u>2.309</u> |
| FY 2018-19 Labor multiplier | | <u>2.059</u> |



INDIRECT COSTS

(to be Distributed)

| G/L Acct. | Description | Actual thru 8/31/21 |
|-----------|-------------------------------|------------------------|
| 51000 | Salaries - Regular | \$ 227,985 |
| 52000 | Benefits | \$ 90,282 |
| 60111 | Tuition Reimbursement | \$ - |
| 60112 | Training | \$ - |
| 60113 | Education | \$ - |
| 60114 | Other Training & Education | \$ 132 |
| 60120 | Audit Fees | \$ 5,000 |
| 60121 | Consulting | \$ 10,397 |
| 60126 | Temporary Services | \$ - |
| 60128 | Other Professional Services | \$ 700 |
| 60129 | Other Contract Services | \$ - |
| 60130 | Legal Fees | \$ 1,441 |
| 60133 | Employment Recruitment | \$ - |
| 60153 | Materials & Supplies | \$ - |
| 60154 | Safety | \$ 623 |
| 60155 | Security | \$ 234 |
| 60156 | Custodial Contract Services | \$ 3,382 |
| 60157 | Landscaping Maintenance | \$ 1,960 |
| 60158 | HVAC | \$ 4,773 |
| 60159 | Facility Repair & Maintenance | \$ 1,790 |
| 60160 | Telephone | \$ 13,769 |
| 60161 | Cellular Services | \$ 900 |
| 60163 | Electricity | \$ 3,747 |
| 60164 | Water Services | \$ 758 |
| 60170 | Equipment Expensed | \$ 444 |
| 60171 | Equipment Rented | \$ 2,004 |

(Continued - next column)

| G/L Acct. | Description | Actual thru 8/31/21 |
|-----------|-------------------------------------|------------------------|
| 60172 | Equipment Repair / Maintenance | \$ 118 |
| 60180 | Computer Hardware | \$ 82 |
| 60181 | Computer Software | \$ 56,990 |
| 60182 | Internet Services | \$ - |
| 60183 | Computer Supplies | \$ 79 |
| 60184 | Computer Repair/Maint | \$ - |
| 60185 | Cloud Storage | \$ 2,806 |
| 60190 | Offsite Meeting/Travel Expense | \$ - |
| 60191 | In House Meetings | \$ 700 |
| 60192 | Conference Expense | \$ - |
| 60193 | Car, Repair, Maintenance | \$ 464 |
| 60200 | Dues | \$ - |
| 60202 | Subscriptions | \$ 10,499 |
| 60203 | Contributions | \$ - |
| 60210 | Bank Charges | \$ 82 |
| 60211 | Shipping/Postage | \$ 522 |
| 60212 | Office Supplies | \$ - |
| 48000 | Commission Fees | \$ 3,220 |
| 60221 | Commission Mileage Reimb. | \$ 54 |
| 60222 | Other Commission Expense | \$ - |
| 60230 | Other Expense | \$ 70 |
| 60240 | Building Lease | \$ 1,418 |
| 81010 | Retiree Medical Expense | \$ 26,172 |
| 80001 | Insurance Expense | \$ 12,298 |
| 80000 | Building Repair/Replacement Reserve | \$ 16,667 |
| 80000 | Fixed Assets | \$ - |

Total Costs \$ 502,559

Direct Costs Paid by Projects \$ 492,435
 Member Contribution Offset \$ 79,167
 \$ 571,602

Over (Under) Allocation % 16.3%
 Over (Under) Allocation of General Fund Costs \$ 69,043



BENEFITS SUMMARY

(Distributed based on Actual Labor)

| <u>G/L Acct</u> | <u>Description</u> | | <u>Budget</u> | | <u>Actual @ 8/31/21</u> | | <u>Projected FYE 2022</u> |
|-----------------|---------------------------------|----|---------------|----|-----------------------------|----|-------------------------------|
| 70101 | FICA Expense | \$ | 195,806 | \$ | 27,079 | \$ | 162,474 |
| 70102 | Medicare Expense | \$ | 55,500 | \$ | 7,076 | \$ | 42,454 |
| 70103 | State Unemployment Insurance | \$ | 4,284 | \$ | - | \$ | 4,000 |
| 70104 | Worker's Compensation Insurance | \$ | 48,726 | \$ | 9,967 | \$ | 59,802 |
| 70105 | State Disability Insurance | \$ | 35,108 | \$ | 4,433 | \$ | 26,599 |
| 70106 | PERS Pension Plan | \$ | 481,931 | \$ | 62,456 | \$ | 374,738 |
| 70111 | Medical Expense | \$ | 557,223 | \$ | 72,792 | \$ | 436,752 |
| 70112 | Dental Expense | \$ | 28,794 | \$ | 3,464 | \$ | 20,784 |
| 70113 | Vision Insurance | \$ | 7,801 | \$ | 1,065 | \$ | 6,388 |
| 70114 | Life Insurance Expense | \$ | 15,229 | \$ | 2,155 | \$ | 12,933 |
| 70115 | Long Term Disability | \$ | 17,702 | \$ | 2,432 | \$ | 14,593 |
| 70116 | Wellness Program Expense | \$ | 4,050 | \$ | 180 | \$ | 1,082 |
| 70120 | Car Allowance | \$ | 45,000 | \$ | 7,000 | \$ | 42,000 |
| | Total Benefits | \$ | 1,497,154 | \$ | 200,100 | \$ | 1,204,598 |
| | Total Payroll | \$ | 3,782,588 | \$ | 651,853 | \$ | 3,780,000 |
| | Benefits Rate | | 39.6% | | 30.7% | | 31.9% |

Santa Ana Watershed Project Authority
Labor Hours Budget vs Actual
Month Ending August 31, 2021

| | Fund | Budget | Actual | % |
|--------------|--------------------------------------|--------|--------|---------|
| 100 | General Fund | 27,979 | 3,114 | 11.13% |
| 135 | Prop 84 - Round I Program Mgmt | 46 | 81 | 175.00% |
| 145 | Prop 84 - 2015 Program Mgmt | 885 | 240 | 27.15% |
| 150 | Prop1 - Program Management | 1,095 | 61 | 5.55% |
| 240 | Brine Line Enterprise | 20,485 | 3,316 | 16.19% |
| 320 | Brine Line Protection | 575 | 0 | 0.04% |
| 327 | Reach IV-D Corrosion Repairs | 60 | - | 0.00% |
| 370-01 | Basin Planning General | 1,605 | 221 | 13.77% |
| 370-02 | USBR Partnership Studies | 116 | 4 | 3.23% |
| 373 | Watershed Management (OWOW) | 2,275 | 372 | 16.34% |
| 374 | Basin Monitoring Program TF | 660 | 98 | 14.89% |
| 381 | SAR Fish Conservation | 251 | 7 | 2.59% |
| 384-01 | MSAR TMDL TF | 135 | 36 | 26.48% |
| 386MONIT | RWQ Monitoring TF | 204 | 35 | 16.91% |
| 387 | Arundo Removal & Habitat Restoration | 225 | 26 | 11.67% |
| 392 | Emerging Constituents TF | 245 | 48 | 19.39% |
| 397ADMIN | WECAN Riverside | 140 | 2 | 1.07% |
| 398ADMIN | Prop 1 - DACI | 130 | 151 | 115.96% |
| 477-02 | LESJWA - Administration | 358 | 48 | 13.27% |
| 477TMDL | LESJWA - TMDL Task Force | 486 | 75 | 15.48% |
| 504-401IMPLE | Prop 84 - Final Round Implementation | 110 | 8 | 7.27% |
| 504-401PA23 | Prop 84 - Final Round PA23 Admin | 240 | 17 | 7.08% |
| 504-402PA22 | Prop84 - Final Round PA22 Admin | 145 | 68 | 46.55% |
| 504-402RATES | Prop 84 - Final Round Water Rates | 50 | 27 | 54.00% |
| 504-402SMART | Prop 84 - Final Round SmartScape | 50 | - | 0.00% |
| 505-00 | Prop1 - Capital Projects | 540 | 17 | 3.15% |
| | | 59,090 | 8,068 | 13.65% |


Note: Should be at 16.67% of budget for 2 months

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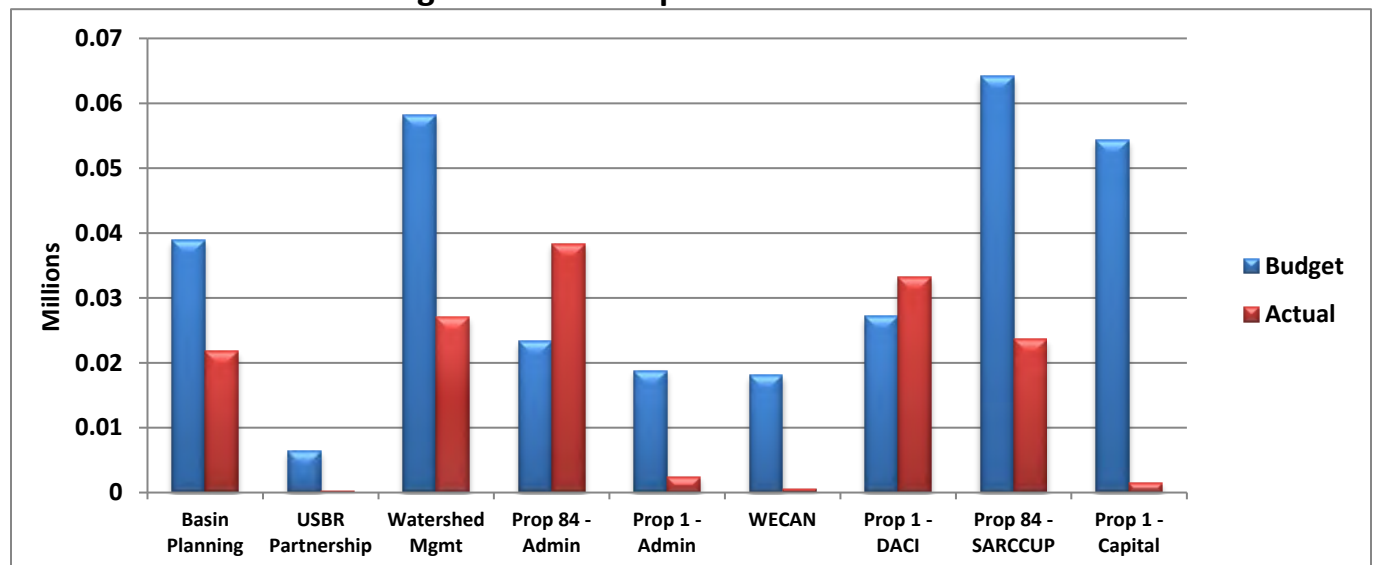
**Santa Ana Watershed Project Authority
PA25 - OWOW Fund - Financial Report
July 2021**

Staff comments provided on the last page are an integral part of this report.

| | |
|-----------------|---|
| Overview | This report highlights the agency's key financial indicators for the Fiscal Year-to-Date (FYTD) through July 2021 unless otherwise noted. |
|-----------------|---|

| Budget to Actual Expenses - OWOW | | |  | Favorable |
|---|----------------------|--------------------|---|---|
| | Annual Budget | FYTD Budget | FYTD Actual | Favorable (Unfavorable) Variance |
| Basin Planning General | \$466,563 | \$38,880 | \$21,811 | \$17,069 |
| USBR Partnership Studies | 76,713 | 6,393 | 209 | 6,184 |
| Watershed Mgmt. (OWOW) | 697,817 | 58,151 | 27,028 | 31,123 |
| Prop 84 - Administration | 192,188 | 23,312 | 38,394 | (15,082) |
| Prop 1 – Administration | 225,808 | 18,817 | 2,422 | 16,395 |
| WECAN - Riverside | 217,336 | 18,111 | 485 | 17,626 |
| Prop 1 – DACI | 27,206 | 27,206 | 33,245 | (6,039) |
| Prop 84 – SARCCUP & Other | 770,825 | 64,235 | 23,690 | 40,545 |
| Prop 1 – Capital Projects | 651,608 | 54,301 | 1,452 | 52,849 |
| Total | \$3,326,064 | \$309,406 | \$148,736 | \$160,670 |

Budget to Actual Expenses - OWOW



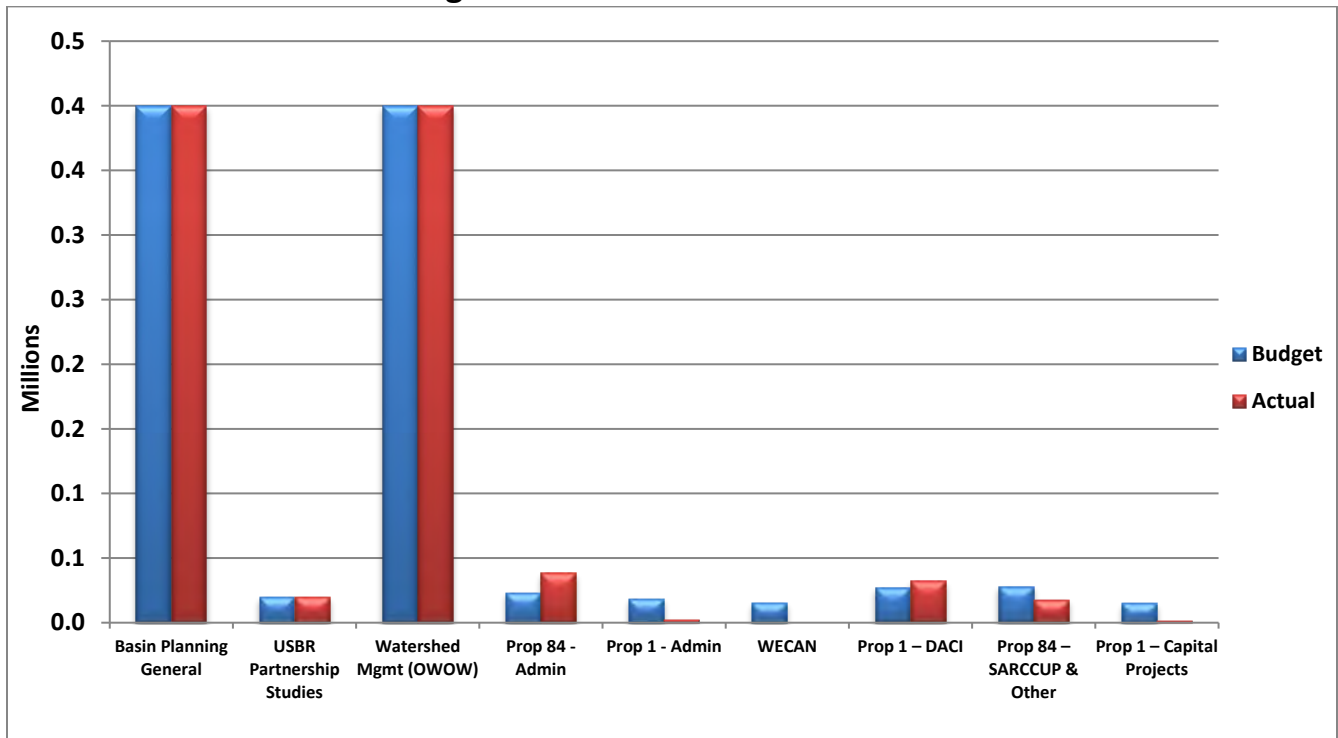
Budget to Actual Revenues - OWOW



Behind

| | Annual Budget | FYTD Budget | FYTD Actual | Favorable (Unfavorable) Variance |
|---------------------------|--------------------|------------------|------------------|----------------------------------|
| Basin Planning General | \$400,000 | \$400,000 | \$400,000 | \$ - |
| USBR Partnership Studies | 70,000 | 20,000 | 20,000 | - |
| Watershed Mgmt. (OWOW) | 468,700 | 400,000 | 400,000 | - |
| Prop 84 - Administration | 192,188 | 23,312 | 38,394 | 15,082 |
| Prop 1 – Administration | 225,808 | 18,817 | 2,422 | (16,395) |
| WECAN - Riverside | 217,336 | 15,611 | - | (15,611) |
| Prop 1 – DACI | 27,206 | 27,206 | 32,245 | 5,039 |
| Prop 84 – SARCCUP & Other | 770,825 | 28,109 | 17,894 | (10,215) |
| Prop 1 – Capital Projects | 651,608 | 14,949 | 1,452 | (13,497) |
| Total | \$3,023,671 | \$948,004 | \$912,407 | (\$35,597) |

Budget to Actual Revenues - OWOW







Reserve Fund Balance - July

| | Amount |
|----------------------------------|--------------------|
| Basin Planning General | \$362,404 |
| USBR Partnership Studies | 66,849 |
| Watershed Management (OWOW) | 606,187 |
| Proposition 84 – SARCCUP & Other | 1,005,750 |
| Proposition 1 – Capital Projects | 270,971 |
| Total Reserves | \$2,312,161 |

Legend

Compared to Budget

| | | |
|---|--------------------|---|
|  | Ahead or Favorable | Above +5% Favorable Revenue or Expense Variance |
|  | On Track | +5% to -2% Variance |
|  | Behind | -3% to -5% Variance |
|  | Concern | Below -5% Variance |

Staff Comments

For this month's report, the item(s) explained below are either "behind", a "concern", or have changed significantly from the prior month.


- 1) Total revenues are 3.8% below budget. Since this is the first month of the FYE 2022 Budget, projects tend to start out slowly. It is anticipated that all projects will be on track with the budget at the end of the fiscal year.

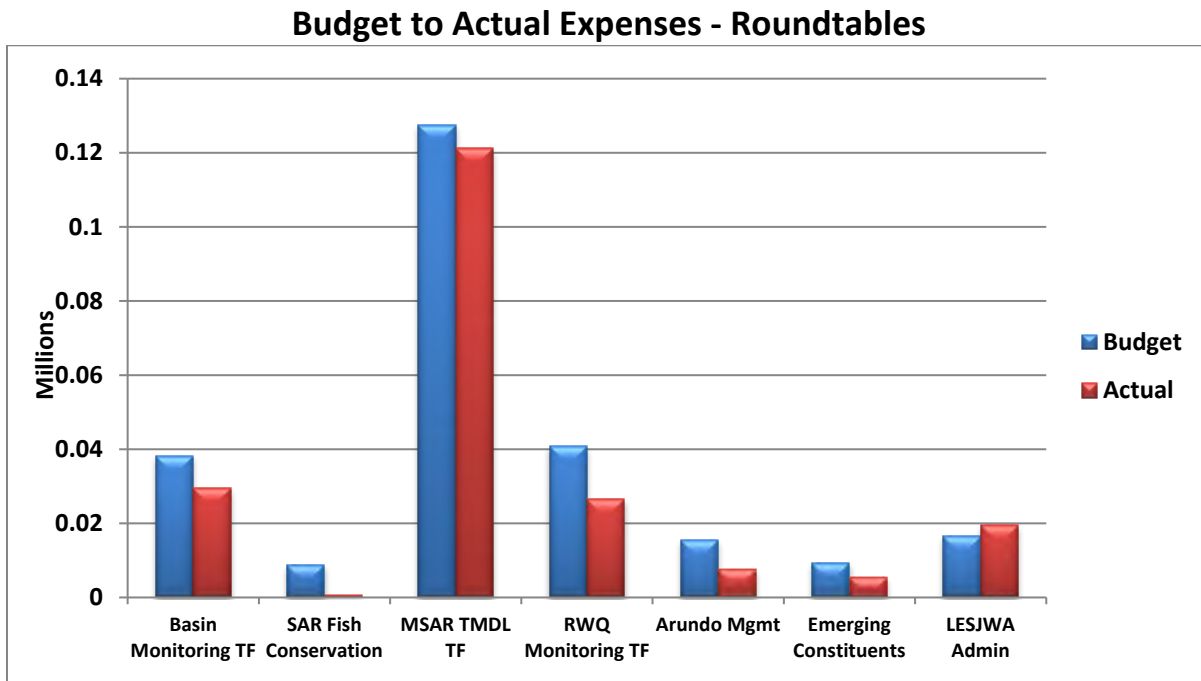
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**Santa Ana Watershed Project Authority
PA26 - Roundtable Fund - Financial Report
July 2021**

Staff comments provided on the last page are an integral part of this report.

| | |
|-----------------|---|
| Overview | This report highlights the agency's key financial indicators for the Fiscal Year-to-Date (FYTD) through July 2021 unless otherwise noted. |
|-----------------|---|

| Budget to Actual Expenses - Roundtables | | | |  On Track |
|--|----------------------|--------------------|--------------------|---|
| | Annual Budget | FYTD Budget | FYTD Actual | Favorable (Unfavorable) Variance |
| Basin Monitoring TF | \$459,678 | \$38,307 | \$29,508 | \$8,799 |
| SAR Fish Conservation | 106,692 | 8,891 | 781 | 8,110 |
| MSAR TMDL TF | 269,968 | 127,573 | 121,202 | 6,371 |
| RWQ Monitoring TF | 489,750 | 40,813 | 26,731 | 14,082 |
| Arundo Mgmt. | 186,981 | 15,582 | 7,674 | 7,908 |
| Emerging Constituents | 112,964 | 9,414 | 5,551 | 3,863 |
| LESJWA Admin | 198,633 | 16,553 | 19,489 | (2,936) |
| Total | \$1,824,666 | \$257,133 | \$210,936 | \$46,197 |



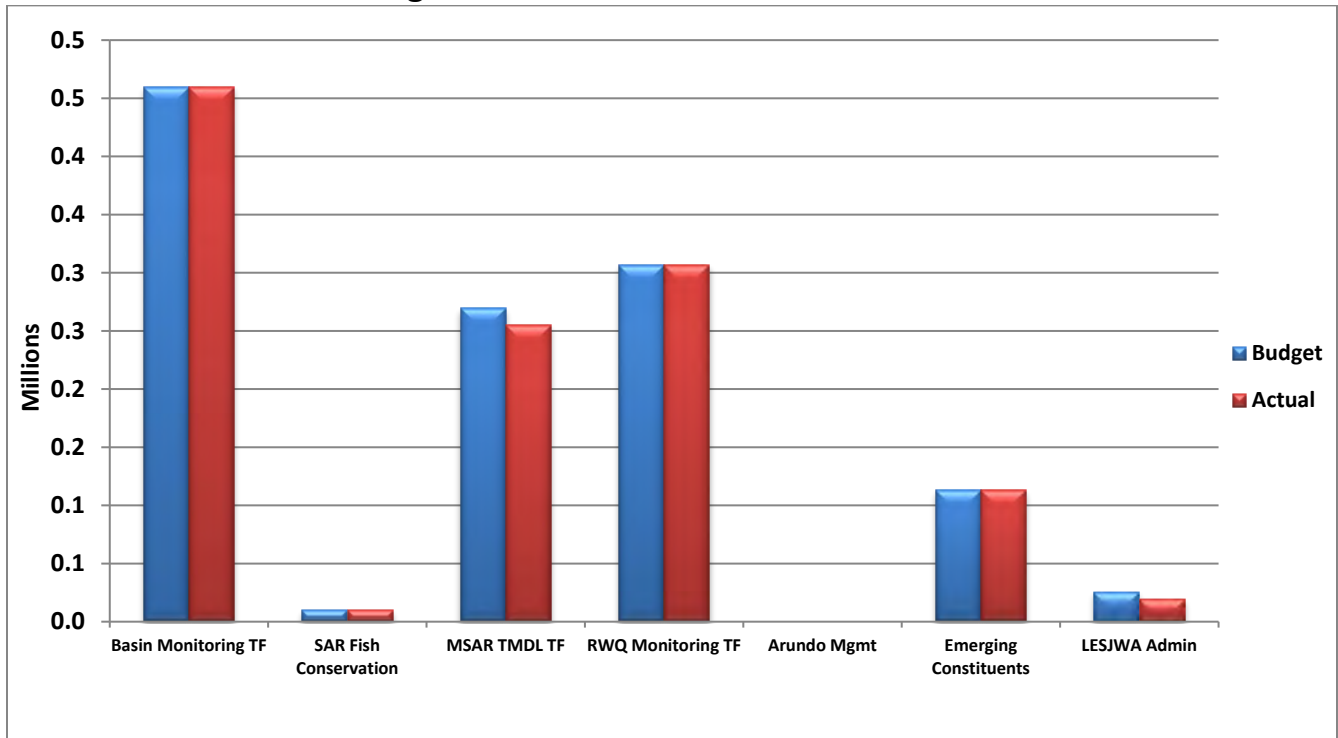
Budget to Actual Revenues - Roundtables



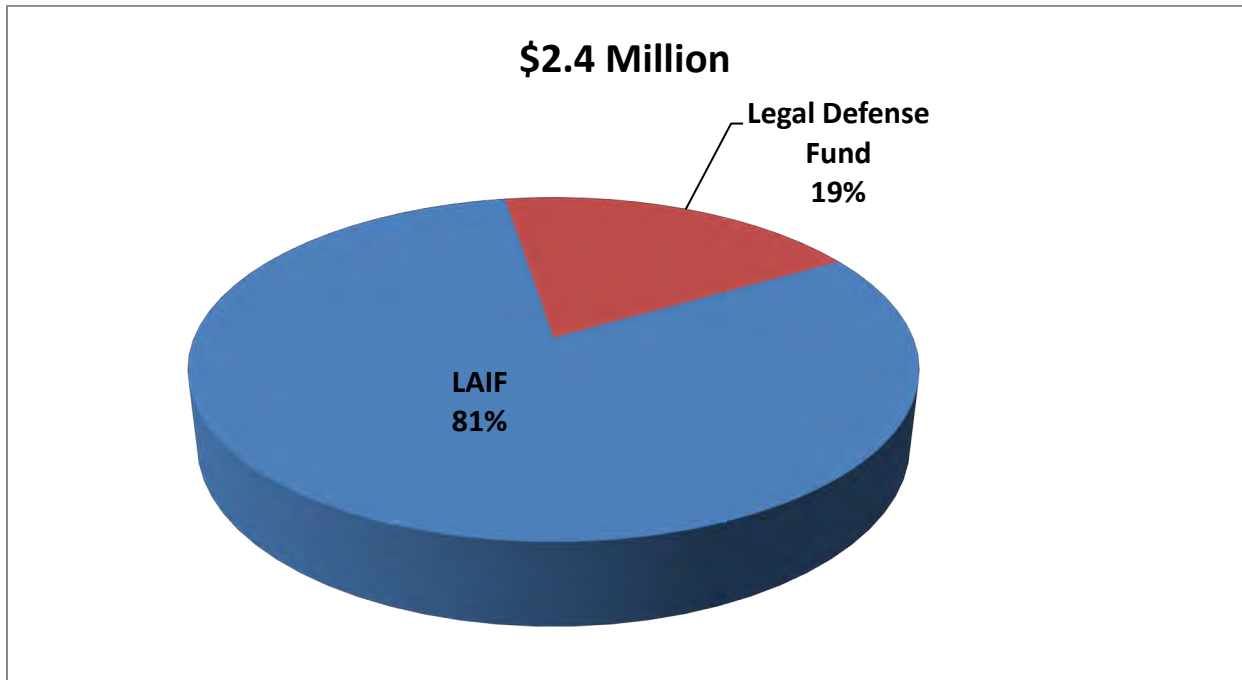
On Track

| | Annual Budget | FYTD Budget | FYTD Actual | Favorable (Unfavorable) Variance |
|-----------------------|--------------------|--------------------|--------------------|----------------------------------|
| Basin Monitoring TF | \$459,998 | \$459,998 | \$460,048 | \$50 |
| SAR Fish Conservation | 29,000 | 10,000 | 10,000 | - |
| MSAR TMDL TF | 269,625 | 269,625 | 255,436 | (14,189) |
| RWQ Monitoring TF | 306,845 | 306,845 | 306,845 | - |
| Arundo Mgmt. | - | - | - | - |
| Emerging Constituents | 113,000 | 113,000 | 113,009 | 9 |
| LESJWA Admin | 198,633 | 25,719 | 19,489 | (6,230) |
| Total | \$1,377,101 | \$1,185,187 | \$1,164,827 | (\$20,360) |

Budget to Actual Revenues - Roundtables



Total Cash & Investments - July







Reserve Fund Balance – July

| | Amount |
|--|--------------------|
| Basin Monitoring Task Force | \$270,879 |
| SAR Fish Conservation | 113,876 |
| Middle SAR TMDL Task Force | 293,947 |
| Regional Water Quality Monitoring Task Force | 307,754 |
| Arundo Management & Habitat | 913,114 |
| Emerging Constituents Task Force | 62,901 |
| Legal Defense Fund | 467,074 |
| Total Reserves | \$2,429,545 |

Legend

Compared to Budget

| | | |
|---|--------------------|---|
|  | Ahead or Favorable | Above +5% Favorable Revenue or Expense Variance |
|  | On Track | +5% to -2% Variance |
|  | Behind | -3% to -5% Variance |
|  | Concern | Below -5% Variance |

Staff Comments

For this month's report, the item(s) explained below are either "behind", a "concern", or have changed significantly from the prior month.

- 1) Both expenses and revenues are on track with the budget.



SAWPA OWOW Status Report 7/1/21 thru 9/30/21



| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETING DATES |
|---|---|--|---|---|
| OWOW Planning | Integrated Regional Water Management Planning and Grant Application Support for the Santa Ana River Watershed | <ul style="list-style-type: none"> • Staff worked with the Roundtable of IRWM Regions Network Coordinator to facilitate bi-monthly meetings with Roundtable members that include DWR staff to discuss pertinent topics. The Roundtable is currently coordinating with Maven’s Notebook (a California water news website) on a series of blogposts and webinars focused on educating water resource professionals on IRWM, as well as an IRWM and climate resiliency web-based conference from November 15 to 17, 2021. • Staff held a series of virtual outreach workshops to various entities in the Santa Ana River Watershed, such as Native American Tribes and small water systems, about the upcoming Call for Projects for Prop 1 Round 2 IRWM grant funding. • Staff received OWOW Steering Committee approval OWOW rating and ranking criteria for Round 2 on September 23, 2021. | <ul style="list-style-type: none"> • Update the Roundtable of Regions website on a continual basis. • Receive approval of the OWOW rating and ranking criteria from the Commission on October 19, 2021. • Review the draft Proposal Solicitation Package to be released by the Department of Water Resources in October 2021. | <p>October 19, 2021 Commission Meeting</p> <p>November OWOW Steering Committee meetings (virtual mtgs)</p> <p>July 1, 2022 Future of IRWM Meeting with Roundtable</p> |
| Santa Ana River Watershed Feasibility Weather Augmentation Program | Investigation of the feasibility and early design of a weather augmentation (cloud seeding) program for the Santa Ana River Watershed | <ul style="list-style-type: none"> • The Santa Ana River Watershed Weather Augmentation Feasibility Study was completed in Oct. 2020 and a final report about the study was presented to the SAWPA Commission on Dec. 1, 2020. • Multiple presentations about weather modification (cloud seeding) have continued by SAWPA staff to SAWPA member agencies and their subagencies over the past quarter. • A recommendation to proceed with the SAR Watershed weather modification ground-based seeding location analysis, the program CEQA and the preparation of a regional grant application to the OWOW/DWR Prop 1 IRWM Round 2 Implementation grant program for a three-year pilot scale program was made to the SAWPA Commission on April 6th. • The SAWPA Commission approved the staff recommendation with the added direction to seek additional funding partners for the program as well as continued outreach to interested parties about weather modification. The proposed program will also include independent review and verification of its efficacy as part of the three-year pilot program. • The investigation for ground seeding locations based on the feasibility | <ul style="list-style-type: none"> • A watershed wide briefing about weather modification and the pilot will be provided by Garrett Cammans of North American Weather Consultants and SAWPA staff on Oct. 14th. • SAWPA staff will provide a recommendation on hiring a CEQA consultant for the pilot to the SAWPA Commission on Oct. 19th. | <p>Periodic updates on progress will be provided to the SAWPA Commission</p> |

**SAWPA OWOW Status Report
7/1/21 thru 9/30/21**

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETING DATES |
|---|--|---|--|---|
| | | <p>study has continued by the North American Weather Consultants Inc under contract with SAWPA.</p> <ul style="list-style-type: none"> An RFP for a CEQA consultant was released on July 15, 2021. Four proposals were received and three were interviewed in late Sept 2021 by an interview panel composed SAWPA staff, and CEQA experts from EMWD and OCWD. | | |
| Santa Ana River Watershed Sustainability Assessment | Conduct a Watershed Sustainability Assessment | <ul style="list-style-type: none"> The latest Santa Ana River Watershed Sustainability Assessment was last completed in 2019. The next one is anticipated to be completed and update in approximately three years. An outreach article about the innovative approaches used to prepare this watershed sustainability assessment has been prepared and will be submitted to the ACWA Innovation webpage next quarter. | None at this time. | None at this time. |
| Prop 1 IRWM Disadvantaged Community Involvement (DCI) Program Implementation | Needs assessment, education and outreach, and technical assistance for disadvantaged, economically | <ul style="list-style-type: none"> Staff was informed by DWR of up to \$5M in additional DCI program funding for the implementation of existing technical assistance projects from the Urban and Multibenefit Drought Relief Grant Program. SAWPA staff continued to coordinate with DWR staff regarding the Sacred Places Institute supplemental Tribal report to accompany the Santa Ana Watershed Ethnographic Assessment. | <ul style="list-style-type: none"> SAWPA to continue to manage the grant through completion. Staff to incorporate revised Tribal Santa Ana Watershed Ethnographic Assessment | Coordination meetings will be planned once the Grant program PSP/Guidelines |

SAWPA OWOW Status Report
7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETING DATES |
|--|---|--|---|--|
| | distressed and under- represented communities in the watershed | <ul style="list-style-type: none"> SAWPA staff continued to maintain and make improvements to the DCI Program webpage on the SAWPA website. | when available. <ul style="list-style-type: none"> Staff to amend agreement with DWR for up to \$5M in additional grant funding for the implementation of existing technical Assistance projects. | are finalized. |
| Santa Ana River Conservation and Conjunctive Use Program (SARCCUP) Implementation | Implementation of SARCCUP (which includes conjunctive use, fish habitat, invasive weed removal, and water use efficiency programs) through the PA 23 Committee. | <ul style="list-style-type: none"> The SAWPA member agencies continues to work together on the development of an operating agreement and software to be used for the program during the implementation phase. SAWPA is working to recruit approximately eight retail water agencies from the upper watershed. Per the executed sub-agreement amendment with Orange County Water District in the previous quarter, the Municipal Water District of Orange County is taking the lead to recruit two retail water agencies in northern Orange County. | <ul style="list-style-type: none"> Recruit eight retail water agencies by November 30, 2021. | Bi-weekly SARCCUP Planning Manager meetings. PA 23 Committee meeting on 12-07-21 (virtual mtg) PA 22 Committee meeting on 12-14-21 |
| Prop 84 IRWM Round 1 | Grant administration of Prop 84 IRWM Round 1 | <ul style="list-style-type: none"> Staff continues to work with the agencies implementing the 15 projects involved in the first round of Prop 84 IRWM program to undertake all labor associated with interaction with DWR staff; project invoices processing including review, verification and submittal to DWR; project reporting review, verification and submittal to DWR; all DWR agreements, SAWPA Sub-agreements and Amendments preparation, processing and execution; DWR payment processing; project implementation inspection and verification; assembling, reviewing and submittal of Financial Statements; coordination and review of all Labor compliance; review and verification of all certifications, permits, and | <ul style="list-style-type: none"> All grant administration will continue until the final Round 1 project is implemented and continues with annual monitoring for 10 years after the completion of the projects. | Quarterly Report to SAWPA Commission |

SAWPA OWOW Status Report
7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETING DATES |
|--------------------------------|---|---|---|--|
| | | <p>CEQA; project deliverables review, verification and submittal to DWR; project benefit assessment; review and verification of project monitoring plan; review and verification of project signage; review, verification and preparation of all documentation for audit review; grant administration budget preparation, monitoring, projections and assessment; SAWPA management review, oversight and direction regarding these defined tasks.</p> | | |
| Prop 84 IRWM Round 2 | Grant administration of Prop 84 IRWM Round 2 | <ul style="list-style-type: none"> Staff continues to work with the agencies involved in the 19 projects under the second round of Prop 84 IRWM program to undertake all labor associated with interaction with DWR staff; project invoices processing including review, verification and submittal to DWR; project reporting review, verification and submittal to DWR; all DWR agreements, SAWPA Sub-agreements and Amendments preparation, processing and execution; DWR payment processing; project implementation inspection and verification; assembling, reviewing and submittal of Financial Statements; coordination and review of all Labor compliance; review and verification of all certifications, permits, and CEQA; project deliverables review, verification and submittal to DWR; project benefit assessment; review and verification of project monitoring plan; review and verification of project signage; review, verification and preparation of all documentation for audit review; grant administration budget preparation, monitoring, projections and assessment; SAWPA management review, oversight and direction regarding these defined tasks. | <ul style="list-style-type: none"> All grant administration will continue until the final Round 2 project is implemented and continues with annual monitoring for 10 years after the completion of the projects. | Quarterly Report to SAWPA Commission |
| Prop 84 IRWM 2015 Round | Grant administration of Prop 84 IRWM 2015 Round | <ul style="list-style-type: none"> Staff prepared and reviewed the grant invoice and progress report for the second reporting period of 2021 that was due to DWR on September 30, 2021. | <ul style="list-style-type: none"> Submit the 3rd quarterly report/invoice of 2020 to DWR by December 31, 2021. | Bi-weekly SARCCUP Planning Manager meetings. |
| Prop 1 IRWM Round 1 | Enhancements to Watershed-Wide Water Budget Decision Support Tool | <ul style="list-style-type: none"> Task 1 Aerial Imagery, Geophex completed aerial flights for the upper watershed and began work to process and QC the imagery. Task 2 - Landscape Analysis USBR has begun efforts to analyze the Orange County Aerial Imagery (beginning with the City of Orange) to identify and measure landscapes to provide water budgets to retail agencies in support of the achievement of water efficiency targets | <ul style="list-style-type: none"> Geophex is expected to complete all imagery processing and QC by the end of December 2021. USBR is expected to provide a sample of the landscape | PA 22 Meeting December 14, 2021 |

**SAWPA OWOW Status Report
7/1/21 thru 9/30/21**

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETING DATES |
|----------------|--------------------|---|--|-----------------------------|
| | | <p>prescribed by the State.</p> <ul style="list-style-type: none"> • Task 3 – Decision Support Tool, SAWPA staff initialed internal discussion on the framework for the decision Support Tool using the 2021 aerial imagery to enable retail agencies to analyze customer water use data to assess customer efficiency, target water over use, and serve as a mechanism for customer outreach | <p>analysis for Orange County (City of Orange) to SAWPA staff for review and QC in mid-October.</p> <ul style="list-style-type: none"> • SAWPA staff to continue discussion of the framework for the decision Support Tool. | |

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SAWPA Roundtables Status Report

7/1/21 thru 9/30/21



| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---|--|---|---|---|
| Middle Santa Ana River (MSAR) Pathogen TMDL Task Force | Implement TMDLs to address impairments to water quality relating to the fecal coliform objective established to protect the REC-1 use for waterbodies located within the Middle Santa Ana River Watershed. | <ul style="list-style-type: none"> • SAWPA continued Task Force Administration including management and review of consultant contracts, project invoices and annual Task Force budget. • Task Force consultant, Tess Dunham continued her effort to orchestrate the TMDL Implementation strategy for the MSAR TMDL Task Force, with the support of Steve Wolosoff/CDM Smith and Richard Meyerhoff/GEI Consultants. • The Task Force continued their effort to support the implementation of the Riverside / San Bernardino Counties CBRP in coordination with the MSAR TMDL Task Force. • Task Force continued discussion of the next steps to be taken regarding the process to update the MSAR TMDLs. | <ul style="list-style-type: none"> • Continue discussion of the next steps to be taken regarding the process to update the MSAR TMDLs. • Staff to submit a draft 2022-23 Task Force Budget for stakeholders to review in October. | Task Force Meeting (virtual meeting) scheduled for 10-19-21 |
| | TMDL Task 3 Watershed Monitoring Program | <ul style="list-style-type: none"> • MSAR TMDL Compliance monitoring is now conducted as a component of the Santa Ana River Bacteria monitoring program implemented through the Regional Water Quality Monitoring (RWQM) Task Force. | <ul style="list-style-type: none"> • 2021 cool/wet season monitoring to begin. | |
| | TMDL Task 4 Source Evaluation and Management | <ul style="list-style-type: none"> • MSAR TMDL Task Force meetings continued to be used as a forum for stakeholders to update Regional Board staff on their CBRP implementation activities. • SAWPA continued to act as the contracting party for the benefit of Task Force agencies to implement specific studies and projects to support each County's Comprehensive Bacteria Reduction Plan implementation activities. • All current source evaluation work relating to the bacteria indicator TMDLs is being conducted through the individual Counties MS4 program to implement their respective Comprehensive Bacteria Reduction Plans. | <ul style="list-style-type: none"> • All current deliverables related to the implementation of the Counties Comprehensive Bacteria Reduction Plans are currently being addressed by individual agencies. • Task Force to evaluate proposal and issue RFP for a special source evaluation study to support the MSAR TMDLs. | |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---|--|---|--|--|
| Lake Elsinore and Canyon Lake Nutrient TMDL Task Force | Implement TMDLs to address water quality issues relating to excess nutrients in Lake Elsinore and Canyon Lake. | <ul style="list-style-type: none"> • LESJWA continued Task Force administration including management and review of consultant contracts, project invoices and annual Task Force budget. • Staff continued to coordinate issues relating to stakeholder load/cost allocations, in-lake modeling, and the design on in-lake treatment projects with various consultants. • Task Force consultant, Tess Dunham continued her role of working with stakeholders on a long-term plan to revise and update the Lake Elsinore and Canyon Lake nutrient TMDLs. • Richard Meyerhoff/GEI Consultants and Steve Wolosoff/CDM Smith continued their efforts to support the Task Force in the process by Regional Board to amend the Basin Plan to update the LE&CL TMDLs. • Regional Board continued their process to amend the Basin Plan to update the Lake Elsinore and Canyon Lake nutrient TMDLs. | <ul style="list-style-type: none"> • Staff to prepare a draft 2022-23 Task Force Budget for review by the Task Force. • Task Force to approve a scope of work from CDM Smith for TMDL support activities including possible updates to the revised LE&CL TMDL Technical Report to address additional comments from Regional Board. • Regional Board Public Workshop to adopt the Revised LE&CL TMDLs has been postponed indefinitely. | Task Force Meeting (virtual meeting) is scheduled for 10-20-21 |
| | TMDL Task 4 Monitoring Program | <ul style="list-style-type: none"> • Wood Environmental Inc. began implementation of the Phase 2 TMDL Compliance Monitoring Program for FY 2021-22. • Wood Env submitted a Draft 2020-21 LE&CL TMDL Annual monitoring report on August 15th. • Regional Board continues monitoring of hazardous algal blooms in Lake Elsinore through grant funding received from the SWRCB. The Task Force will continue to support this effort through a technical advisory committee. | <ul style="list-style-type: none"> • Wood Env to address stakeholder comments and submit the Final 2020-21 LE&CL TMDL Annual monitoring. | |
| | TMDL Task 9 Lake Elsinore TMDL Compliance Implementation Activities | <ul style="list-style-type: none"> • Work relating to the implementation of Lake Elsinore In-Lake Sediment Nutrient Reduction Plan performed in conjunction with the RCFC&WCD MS4 Comprehensive Nutrient Reduction Plan continued. • Dr's Horne and Anderson continue working on revisions to their draft LEAMS effectiveness analysis. | <ul style="list-style-type: none"> • Finalize study by Horne and Anderson to evaluate available methods to improve N&P offsets in Lake Elsinore. | LEAMS Operators meeting (virtual meeting) TBD |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|--|--|---|---|---|
| | TMDL Task 10 Canyon Lake TMDL Compliance Implementation Activities | <ul style="list-style-type: none"> • Work relating to the implementation of Canyon Lake In-Lake Sediment Treatment Evaluation performed in conjunction with the RCFC&WCD MS4 program Comprehensive Nutrient Reduction Plan continues. • LESJWA staff continued as the lead implementing agency for the Canyon Lake Alum application work. • The Fall 2021 alum application is scheduled for the week of October 11, 2021. | <ul style="list-style-type: none"> • The next Canyon Lake alum application is scheduled for the week of October 11th to 15th 2021. | |
| | TMDL Task 11 Model Update | <ul style="list-style-type: none"> • Consultant team completed additional Lake Elsinore and Canyon Lake modeling to address questions raised by Regional Board through the Peer Review process. | | |
| Basin Monitoring Program Task Force | Annual Monitoring Report | <ul style="list-style-type: none"> • The 2020 Annual Report for the Santa Ana River Water Quality was finalized and delivered to the Task Force and the Regional Board on 9-1-21. • As part of the upcoming fiscal year reevaluation of surface and groundwater monitoring, the approach for conducting the annual water quality report for the Santa Ana River will be reviewed by the consultant, West Yost. | | To be announced |
| | Triennial Ambient Water Quality Update | <ul style="list-style-type: none"> • The Triennial Ambient Water Quality Update (AWQ) for the 1999-2018 was formally transmitted to the Regional Board on July 14, 2020 and accepted by Regional Board resolution on March 12, 2021. • The results of the recent Triennial Ambient Water Quality Update are reflected in the Basin Plan Amendment that the Task Force's consultants, KSC, has submitted to the Regional Board. • As indicated in the last Triennial Ambient Water Quality Report and in response to Regional Board recommendations, the task force was encouraged to modify and streamline the Triennial Ambient Water Quality update process in line with the Recycled Water Policy Update. • A contract for conducting the work was awarded to West Yost Inc. (formerly Wildermuth Environmental Inc.) based on a competitive process on June 15th. Since that time one workshop has been held with the Task Force to begin discussion on the Planning Priorities. | <ul style="list-style-type: none"> • The Basin Monitoring Program Task Force will review background material and commence review of West Yost material to update Triennial Ambient WQ program over the next quarter. | 10-28-21 Task Force meeting (virtual mtg) |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---------|---|--|---|---|
| | Santa Ana River Wasteload Allocation Update | <ul style="list-style-type: none"> • All work on the Santa Ana River Wasteload Allocation (WLA) Update has been finalized and the final report was transmitted to the Regional Board on July 14, 2020. Work was also completed on the Substitute Environmental Document required for the Basin Plan Amendment (BPA) which incorporates the SAR WLA results. • However, after further review by Regional Board upper management, the Regional Board felt there needed to be further justification for why the projected TIN levels in the SAR flows were not meeting the Colton groundwater management zone TIN objective for the 10-year max scenario. Upon further review, the task force and Tess Dunham agreed that additional modeling scenarios should be run to consider reducing TIN discharge permit levels for YVWD and to remove the Sterling Natural Resources Plan since it is no longer planned to be discharging to the City Creek and then to the SAR. • On June 29, 2021, the Task Force authorized a new task order with Geoscience for approximately \$31K to conduct supplemental model runs which will be incorporated into the Basin Plan Amendment. The supplemental work was completed and submitted to KSC to incorporation into the Basin Plan Amendment. • The final Basin Plan Amendment has now been submitted to the Regional Board staff for final review and a 45 public review period. . | <ul style="list-style-type: none"> • The Regional Board staff plans on taking the Basin Plan Amendment for the SAR WLA work to the Regional Board at their Dec. 2021, meeting. | 10-28-21 Task Force meeting (virtual mtg) |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---------|-------------------------------|--|---|--|
| | Drought Policy | <ul style="list-style-type: none"> • The Regional Board included the creation of a new drought policy as one of their last Triennial Basin Plan Priorities. • Tim Moore of Risk Sciences worked with the BMP TF and the Southern California Salinity Coalition (SCSC) to develop an outline of the work necessary to justify a new Drought Policy. • In 2018 Southern California Salinity Coalition working with Joe LeClaire completed a report about the TDS trends due to the drought experienced by several So Cal agencies. • Based on this work, the Regional Board staff has been supportive of incorporating a 5-year averaging period in the POTW discharge permits for TDS to reflect the changes that might occur in TDS from drought cycles. The Regional Board permitting staff will continue to have the flexibility to modify the permit averaging period up to 10 years dependent on planned or existing salt offset program. Text has been added in the proposed Basin Plan Amendment acknowledging this longer-term TDS averaging period can be used by the Regional Board permit staff. • The Basin Plan Amendment will also include text that allows Regional Board permit staff to remove TDS increment-of-use limits. | <ul style="list-style-type: none"> • All work is reflected in the draft Basin Plan Amendment which is anticipated to be brought to the Regional Board for approval at their December meeting. | 10-28-21 Task Force meeting (hybrid mtg) |
| | Recycled Water Policy Changes | <ul style="list-style-type: none"> • West Yost will be conducting the Task Force Planning Priorities which includes the development of workplans for a new Santa Ana River Water Quality Update and the Ambient Water Quality Update to ensure it meets the new requirements of the 2019 Amendment to the SWRCB Recycled Water Policy for Salt and Nutrient Management Plans. This work will be conducted in FY 21-22 and is expected to be submitted to the Regional Board in August 2022. Thereafter the task force will conduct a pilot ambient water quality update to meet the Oct. 2023 deadline for a triennial ambient water quality update that is cited in several POTWs discharge permits. After 2023, the Task Force is proposing to conduct ambient water quality updates every five years instead of every three years. These changes will be reflected in the Basin Plan Amendment. • One review workshop on the Planning Priorities background has been conducted by West Yost so far with the Task Force this past quarter. A new two-year task order with KSC was approved by the SAWPA Commission on June 1, 2021 by the SAWPA Commission. | <ul style="list-style-type: none"> • The TF will conduct its 2nd workshop with West Yost and Tess Dunham on Oct. 28, 2021 to review the results of past 20 years of ambient water quality monitoring. | 10-28-21 Task Force meeting (hybrid mtg) |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---------|--|---|---|---|
| | Imported Water Rechargers Subcommittee | <ul style="list-style-type: none"> • The Imported Water Recharger Subcommittee last held a meeting on March 3, 2021. In late Jan. 2021, a joint letter by the active recharging agencies and the Regional Board was sent to the Regional Board to request a deadline extension for the next groundwater modeling to be completed by Dec. 31, 2021. The time extension letter was approved by the Regional Board to accommodate the development of a water quality component to the SBVMWD- led Upper SAR Water Integrated Tool being developed by Geoscience. • The Subcommittee had discussed how the groundwater modeling requirements under the Cooperative Agreement could be merged with activities of the Basin Monitoring Program Task Force including the triennial ambient water quality update and the Santa Ana River Wasteload Allocation. • The use of an extensive groundwater and surface water model called the Upper SAR Watershed Integrated Model being developed by Geoscience Inc. for SBVMWD and many other agencies involved with modeling SAR habitat conservation planning is contemplated. Though this model is a flow model, Geoscience has been working on the water quality component to look at TDS and nitrate levels and is expected to complete the WQ component by the end of July 2021. Thereafter, SBVMWD will contract with Geoscience for the modeling needed in the upper watershed. • All Rechargers continue to attend the coordination meetings held by Geoscience for the water quality component development of the Upper SAR Watershed Integrated Model. They also are participating in the BMP TF Scoping Committee meetings. • The Amendment No. 1 to the Cooperative Agreement was signed by the Regional Board on March 3, 2021 granting the revisions for recharge reporting from 3 year to every 5 years and extending the cycled of groundwater modeling from every 6 years to every 10 years. | <ul style="list-style-type: none"> • Logistics of potentially combining the work of the Imported Water Cooperative Agreement modeling with the Basin Monitoring Program Triennial Ambient WQ Update modifications will be explored by the Subcommittee and the Task Force consultant, West Yost. | <p>The Imported Water Rechargers Subcommittee will meet in 10-25--21. (virtual mtg)</p> |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---|--|---|--|---|
| Emerging Constituents Program Task Force | Provide emerging constituents sampling report and watershed water quality outreach program | <ul style="list-style-type: none"> • The EC Program Task Force last met on August 2, 2021. The Task Force also heard status reports about the following items: <ul style="list-style-type: none"> ○ SWRCB CEC Aquatic Ecosystems Panel Status Report - SCCWRP ○ Timing and Scale of SAWPA Compilation Watershed POTW PFAS Monitoring Data. The Task Force agreed to postpone the data collection effort until the majority of the WWTP PFAS and ECs reports are submitted to the State. ○ Overview of Regional Board PFAS Source Investigations – Regional Board <ul style="list-style-type: none"> ▪ Temescal Creek/Corona Area ▪ Next steps for airports, landfills, chrome platers investigations in watershed ○ Regulatory Report and Updates were provided by Tess Dunham, KSC ○ Future release of draft PHGs for PFOA and PFOS by OEHHA was shared. | <ul style="list-style-type: none"> • Continue periodic coordination meetings and determine if regional action is desired and supported through the EC Program Task Force. | 11-1-21 Task Force meeting (virtual mtg) |
| | Watershed water quality outreach program | <ul style="list-style-type: none"> • Work continues with JPW Consultants for the Emerging Constituents Program Task Force in providing social media support for the Your So Cal Tap Water blog. Social media tools provide important outreach supporting trust in drinking water quality by the public. • This work is funded by a subset of the EC Program Task Force called the EC Public Outreach Workgroup. This work also includes month articles and quarterly videos. • Monthly articles are prepared by JPW Communications and posted each month the Your So Cal Tap Water blog, Facebook and Twitter. The draft articles are reviewed by SAWPA staff and the Workgroup before posting. • JPW Communications gave a report of their past six months of work at the August 2021 EC Program Task Force. | <ul style="list-style-type: none"> • Periodic coordination meetings with JPW Consultants and EC Program TF Public Outreach Workgroup will be held. All meetings are held virtually due to COVID-19. | EC Program TF Public Outreach Workgroup will meet again in Early 2022 (virtual mtg) |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---|---|--|---|--|
| Reclamation So Cal Studies | Support regional studies with Bureau of Reclamation | <ul style="list-style-type: none"> • SAWPA continued to coordinate with Bureau of Reclamation staff on the Water Management Options Pilot/Decision Support Tool regarding analyzing high resolution imagery across the watershed, Southern Orange County and the southern ends of the WMWD/EMWD services areas. • Imagery for Orange County has been sent to USBR in July 2021 for analysis as provided by SCAG. • All aerial imagery for the upper watershed was completed this quarter by Geophex and has been provided to SAWPA and US Bureau of Reclamation staff for review. | <ul style="list-style-type: none"> • Analysis on the Prop 1 project aerial imagery by USBR has started and will continue in the next quarter by the aerial imagery firm. | 12-14-21 PA 22 Committee meeting (virtual mtg) |
| Santa Ana River Fish Conservation Task Force | Determine the reasons for the decline of the Santa Ana sucker fish (<i>Catostomus santaanae</i>) in the Santa Ana Watershed and implement projects that will benefit the species. | <ul style="list-style-type: none"> • Staff is working on updating the Riverwalk ranking methodology that is used to score each of the Riverwalk data points' habitat quality. • Staff worked with SAWA to replant/manage 0.3 acres of vegetation as part of the mitigation for the habitat project constructed by the Team near the Van Buren Blvd. Bridge in October 2018. • SAWPA worked with OCWD and SBVMWD on the possible Jurupa Ditch Project and grant application to the Department of Water Resources. | <ul style="list-style-type: none"> • Finish Riverwalk data ranking methodology in mid-2021. • Implement Riverwalk on October 21, 2020 | Team Meeting 3rd quarter 2021 |
| Regional Water Quality Monitoring Task Force | Implement a coordinated regional water quality monitoring program in the Santa Ana River watershed to meet the requirements of the amended Recreational Use Water Quality Standards and Implementation Plan requirements of the Santa Ana Basin Plan, and to assist Regional Board with future triennial reviews of the Basin Plan. | <ul style="list-style-type: none"> • SAWPA continued Task Force Administration including management and review of consultant contracts, project invoices and annual Task Force budget. • Task Force consultant, CDM Smith, continued to support the Task Force in regulatory efforts related to bacteria. • CDM Smith addressed comments from stakeholders on the on-line dashboard to replace electronic quarterly water quality reports. • CDM Smith continued to work with the Task Force on recommended modifications to the SAR Regional Bacteria monitoring plan and QAPP to address "Priority 3" waterbodies (these include waterbodies listed for bacteria impairment but do not currently have a TMDL). • GEI Consultants initiated efforts to implement water quality monitoring of homelessness encampments in the upper SAR. This included a kick-off meeting with local agencies on August 10th. | <ul style="list-style-type: none"> • Submit recommendations for modifications to the SAR Regional Bacteria monitoring plan and QAPP to Regional Board. • Finalize on-line dashboard to report as a replacement to static electronic quarterly water quality reports. • 2021 cool/wet season monitoring to begin. • Staff to submit a draft 2022-23 Task Force Budget for stakeholders to review in October. | Task Force Meeting (virtual meeting) 10-19-21. |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|--|--|---|---|---|
| Lake Elsinore and San Jacinto Watersheds Authority (LESJWA) | Support lake quality improvement projects at Lake Elsinore and Canyon Lake | <ul style="list-style-type: none"> • The regularly scheduled August 2021 LESJWA Board meeting was cancelled due to no action items. • SAWPA staff continues to support LESJWA as administrator for the LESJWA JPA, LE/CL TMDL Task Force with task force meetings and various committee meetings held virtually every 1-2 months. Though continuing in this role by SAWPA was supported by the LESJWA Board for the next fiscal year, one Board member wanted to see if the City of Lake Elsinore might have an interest in this role in the future. | <ul style="list-style-type: none"> • LESJWA staff is awaiting feedback from Regional Board on the TMDL Update supplemental modeling to determine future date of the TMDL Update approval by the RWQCB. | 10-21-21 LESJWA Board Meeting (virtual mtg) |
| | Provide education and outreach | <ul style="list-style-type: none"> • Liselle DeGrave of DeGrave Communications continues her support to LESJWA. Joint meetings with the consultant, LESJWA member agency PR staff and the SAWPA staff are held on a quarterly basis for coordination and are described as the LESJWA Education and Outreach Committee. • The last meeting was held virtually on July 12, 2021. The meeting included discussion of the, the next Canyon Lake Alum Application and the AOCE Lake Elsinore Aquatic Ecosystem Feasibility Study. | <ul style="list-style-type: none"> • Continue education and outreach support. | 10-25-21 LESJWA Education & Outreach Meeting (virtual mgt) |
| So Cal Salinity Coalition (SCSC) | Support regional salt management and practices in Southern California | <ul style="list-style-type: none"> • The SCSC held its quarterly Board virtual meeting on Sep 2, 2021. Kevin Hardy, SCSC Administrator, officiated the Zoom meeting. • SCSC staff shared financial reports and considered acceptable by the SCSC Board. • Mr. Hardy presented a consultant speaker to discuss the SDWA Salinity Impact Study Report • Mr. Hardy discussed interest by the SCSC Board in participating in the Salinity Summit and Clarke Prize Municipal Reuse Concentrate Symposium. The SCSC Board agreed it was worthwhile and will explore future salinity research opportunities with salinity researchers on the proposed date of the Symposium, Oct. 27th 12 noon – 5pm. • Mr. Hardy discussed ways to enhance SCSC Membership and the outreach brochure was discussed. SCSC Board was supportive of expanding outreach efforts to increase SCSC Membership. • The 2021 Salinity Summit proposed program outline was discussed. Input was provided by the SCSC to deemphasize the research reports and have more input and discussion on the program by the Regional Board Executive Officers from the various Regional Boards in the So Cal. The date of the Summit was deferred to a future date due to ongoing uncertainty of in person events due to COVID. • Informational reports were provided about Student Fellowships, Colorado River Salinity Control Forum and the MWDSC salinity report from the Colorado River and State Water Project. | <ul style="list-style-type: none"> • Planning will continue for a future Salinity Summit now being considered for 2022. | 11-4-21 SCSC Board Officers Meeting (virtual mtg) 12-9-21 SCSC Board Meeting |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|---|--|--|--|---|
| Santa Ana River Parkway and Open Space Plan Technical Advisory Committee | <ul style="list-style-type: none"> • Help identify priorities and values for the Santa Ana River Parkway and Open Space Plan • Identify project selection criteria and projects for inclusion in the Parkway Plan • Provide input and feedback on the Plan throughout its development | <ul style="list-style-type: none"> • Staff coordinated with the Santa Ana River Conservancy staff on the quarterly Local Advisory Group meetings. Staff attended the recent meeting on September 30, 2021. | <ul style="list-style-type: none"> • SAWPA to review Riverside County Parks’ plans for trail construction near Prado Dam and the Green River Golf Course. | <p>Santa Ana River Trail – Prado Area Coordination Meeting – 10-21-21 (virtual mtg)</p> <p>Upcoming Local Advisory Group meeting (still to be scheduled for 4th quarter 2021)</p> |
| Water Energy Community Action Network (WECAN) | <p>Support water and energy efficiency on disadvantaged communities in the watershed.</p> | <ul style="list-style-type: none"> • On July 31, 2021, SAWPA submitted to the City of Riverside a bi-monthly progress report for the Eastside Climate Collaborative Program funded through a grant by the Transformative Climate Communities Program. • SAWA staff participated in a Community Townhall meeting on September 23rd at the Cesar Chavez Community Center to highlight the Water Energy Community Action Network Turf Removal project led by SAWPA. • On September 30, 2021, SAWPA submitted to the City of Riverside a bi-monthly progress report and first annual report for the Eastside Climate Collaborative Program. | <ul style="list-style-type: none"> • Submit bi-monthly progress report for the Eastside Climate Collaborative Program by November 30th. • Develop a RFP to solicit bids from landscaping contractor to implement 100,000 square feet of turf removal and drought tolerant landscaping installation. | <p>Bi-Weekly meetings with the City of Riverside.</p> |

SAWPA Roundtables Status Report

7/1/21 thru 9/30/21

| PROJECT | DESCRIPTION | STATUS | FUTURE TASKS/DEADLINES | FUTURE MEETINGS |
|-----------------------|---|--|--|--|
| Forest First | Support collaborative partnership among Forest Service and downstream stakeholders to develop methods to ensure the resiliency of the forests and headwaters within the Santa Ana River Watershed | <ul style="list-style-type: none"> ● Staff coordinated with SBVMWD on a partnership with the agency regarding the Headwaters Resiliency Partnership Task Force. The task force was presented to the Commission for feedback on September 14, 2021. | <ul style="list-style-type: none"> ● Utilize the results from the Dr. Underwood research to evaluate the economic benefits of water supply/quality of forest projects in the watershed. ● Overlay U.S. Forest Service sub-watershed prioritization mapping with water agency facilities to plan the implementation of forest and water-related multi-benefit projects. ● Present staff's recommended partnership level of effort and costs to the Commission regarding the Headwaters Resiliency Partnership. | Periodic staff-level meetings in 2021. |
| Arundo Removal | Remove non-native plant species, particularly Arundo donax, using SAWPA's Arundo Removal mitigation bank credit funding | <ul style="list-style-type: none"> ● Staff coordinated with the Riverside County Regional Park and Open-Space District (County Parks) on exploring options to improve the Santa Ana River Mitigation Bank so that customers with various mitigation needs can receive bank credit. ● Staff continued to work with selected consultant Project Partners to assist with the Arundo Headwaters Project and received land ownership information for most of the approximately 300-acre project area from them. | <ul style="list-style-type: none"> ● Present further background of the Santa Ana River Mitigation Bank at the November 16, 2021 Commission meeting and discuss next steps for receiving certification from the California Department of Fish and Wildlife. | Bi-monthly Santa Ana River Watershed Weed Management Area mtg to update them on the upper watershed project as well as the outreach material. 11-16-21 Commission Meeting |

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INSIDE THE
OCTOBER REPORT

- 1 The Santa Ana Sucker Conservation Team - Riverwalk 2021
- 2 Reserve Policy Request for Proposal
- 3 Prado Basin Right-of-Way Clearing
- 4 Eastern Municipal Water District Discharger Lease Agreement

The Santa Ana Sucker Conservation Team - Riverwalk 2021

The Santa Ana Sucker Conservation Team is working with Orange County Water District and other partners to implement the annual Santa Ana River Habitat Survey, also known as the "Riverwalk", on October 21, 2021. This will be the 16th year of the annual fish habitat survey that focuses on one of the region's federally listed threatened endemic aquatic species, the Santa Ana sucker.



Conservation Team

Reserve Policy Request for Proposal

A pre-proposal meeting for the Reserve Policy RFP was conducted on September 30, 2021 via zoom. The Reserve Policy RFP is for professional services to review SAWPA's reserve policies and recommend changes to reserve targets, including setting maximum levels and combining reserves as needed to ensure sound reserve policies and adequate reserves. Proposals are due October 20, 2021.

Prado Basin Right-of-Way Clearing

Operations staff completed the annual clearing of the Reach IVA and IVB access roads on a portion of the Brine Line within the Prado Basin inundation area. Clearing of the access road is necessary in order to gain access and inspect the maintenance access structures in the Prado Basin.

Eastern Municipal Water District Discharger Lease Agreement

EMWD's Board approved the Discharger Lease Agreement at their October 6, 2021 meeting. The PA 24 Committee approved the agreement at their October 5, 2021 meeting. Per the terms of the agreement SAWPA agrees to lease to EMWD an additional 0.5 million gallons per day (MGD) of treatment and disposal capacity in the Brine Line. The additional capacity is needed for the EMWD Perris II Desalter. Discharge to the Brine Line is anticipated in late 2021.



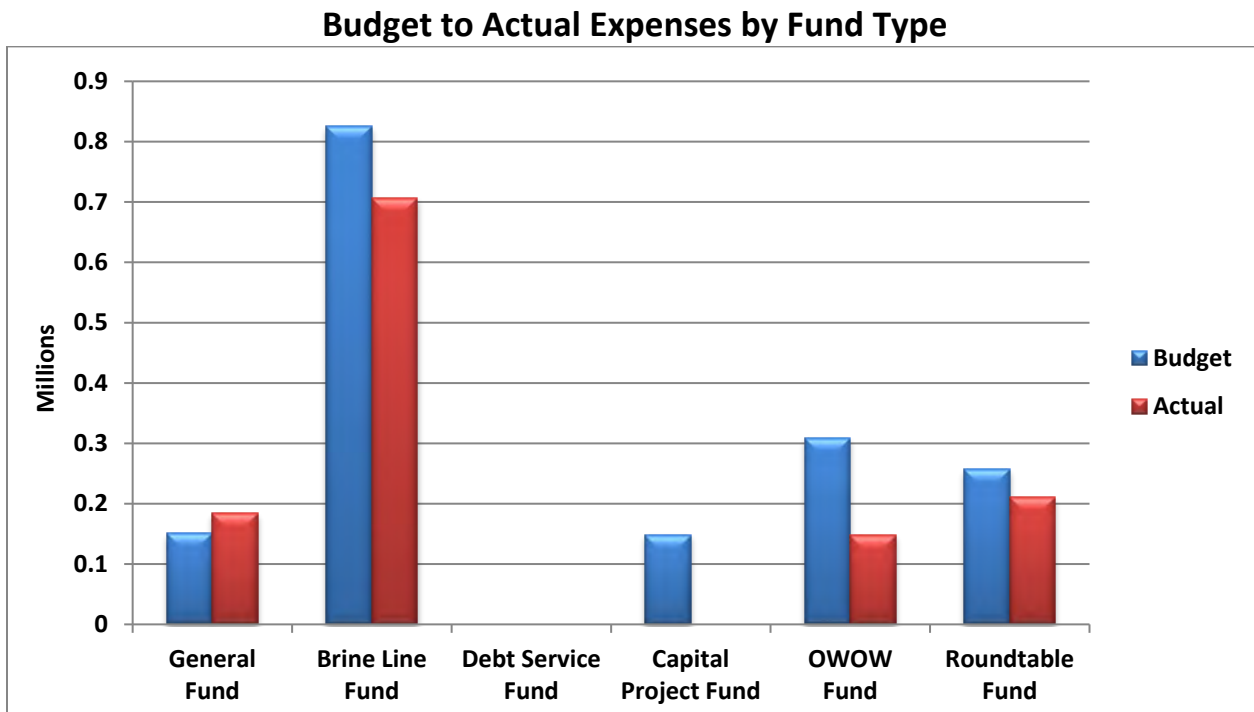
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**Santa Ana Watershed Project Authority
Executive Financial Information Report
July 2021**

Staff comments provided on the last page are an integral part of this report.

| | |
|-----------------|---|
| Overview | This report highlights the agency's key financial indicators for the Fiscal Year-to-Date (FYTD) July 2021 unless otherwise noted. |
|-----------------|---|

| Budget to Actual Expenses by Fund Type | Favorable | | | |
|--|------------------|-------------|-------------|----------------------------------|
| | Annual Budget | FYTD Budget | FYTD Actual | Favorable (Unfavorable) Variance |
| General Fund | \$716,847 | \$151,404 | \$184,946 | (\$33,542) |
| Brine Line Enterprise | 9,908,833 | 825,736 | 707,159 | 118,577 |
| Debt Service Fund | 2,608,439 | - | - | - |
| Capital Project Fund | 1,786,882 | 148,907 | 22 | 148,885 |
| OWOW Fund | 3,326,064 | 309,406 | 148,736 | 160,670 |
| Roundtable Fund | 1,824,666 | 257,133 | 210,936 | 46,197 |
| Total | \$20,171,731 | \$1,692,586 | \$1,251,799 | \$440,787 |



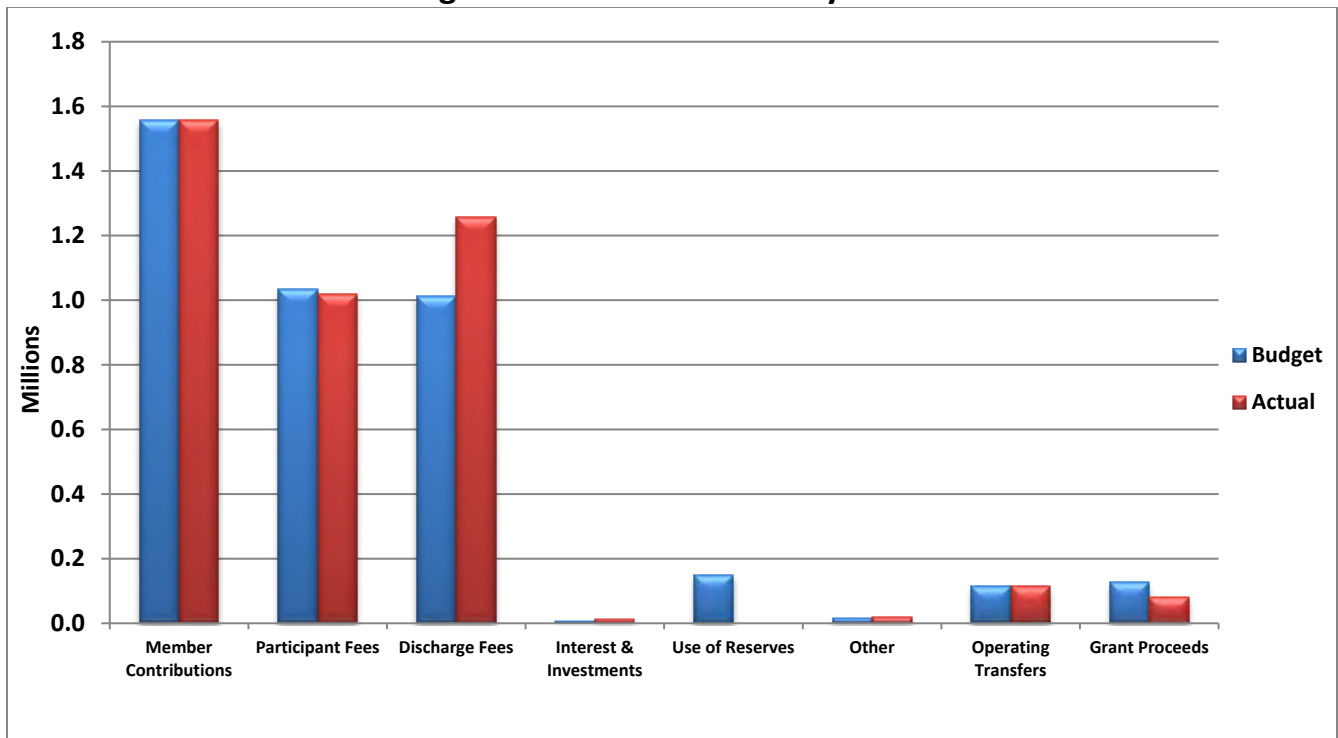
Budget to Actual Revenues by Source



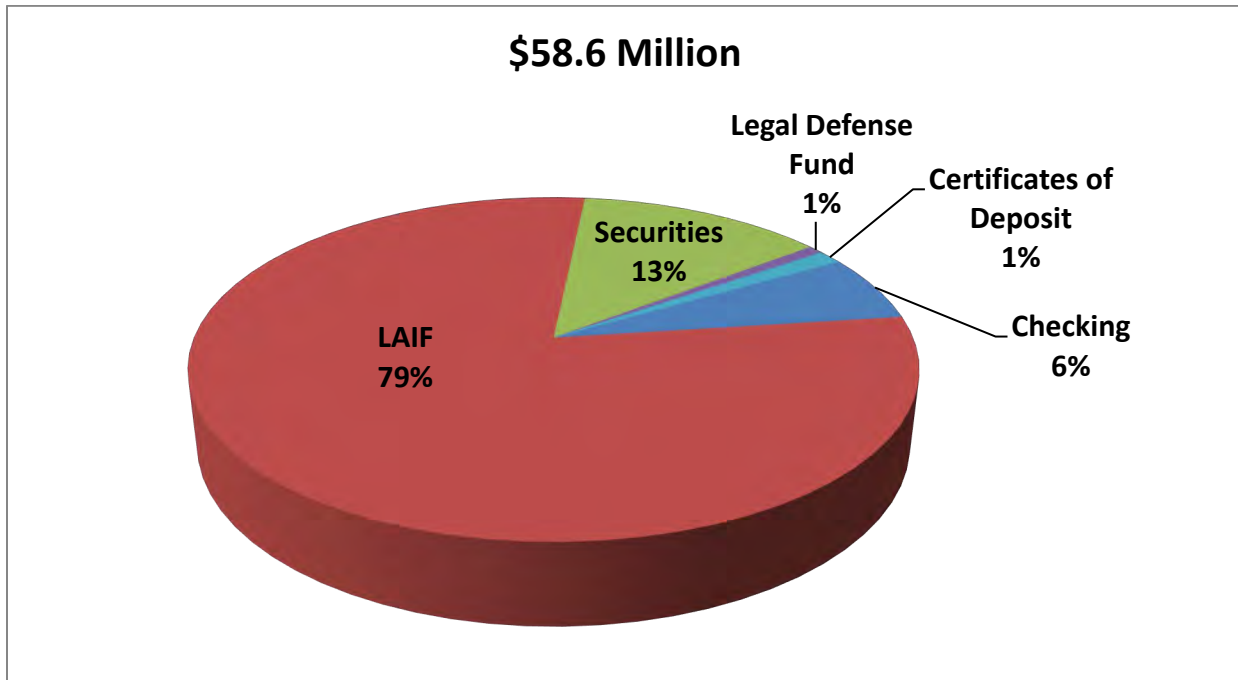
On Track

| | Annual Budget | FYTD Budget | FYTD Actual | Favorable (Unfavorable) Variance |
|------------------------|---------------------|--------------------|--------------------|----------------------------------|
| Member Contributions | \$1,556,847 | \$1,556,846 | \$1,556,845 | (\$1) |
| Participant Fees | 2,058,279 | 1,034,843 | 1,020,713 | (14,130) |
| Discharge Fees | 12,192,272 | 1,013,669 | 1,256,808 | 243,139 |
| Interest & Investments | 325,000 | 6,250 | 12,695 | 6,445 |
| Use of Reserves | 1,786,882 | 148,907 | 22 | (148,885) |
| Other | 188,633 | 16,553 | 19,489 | 2,936 |
| Operating Transfers | 114,625 | 114,625 | 114,625 | - |
| Grant Proceeds | 1,199,235 | 127,170 | 82,608 | (44,562) |
| Total | \$19,421,773 | \$4,018,863 | \$4,063,805 | \$44,942 |

Budget to Actual Revenues by Source



Total Cash & Investments - July







Reserve Fund Balance – July

| | Amount |
|-----------------------|---------------------|
| General Fund | \$1,548,530 |
| Building Fund | 744,096 |
| OWOW Fund | 2,312,161 |
| Roundtable Fund | 2,429,545 |
| Self Insurance | 4,500,118 |
| Debt Retirement | 3,716,957 |
| Pipeline Replacement | 21,966,458 |
| OC San Rehabilitation | 2,380,866 |
| Capacity Management | 11,989,412 |
| Future Capacity | 1,835,618 |
| Rate Stabilization | 1,028,630 |
| Flow Imbalance | 83,789 |
| Brine Line Operating | 4,093,114 |
| Total Reserves | \$58,629,294 |

Legend

Compared to Budget

| | | |
|---|--------------------|---|
|  | Ahead or Favorable | Above +5% Favorable Revenue or Expense Variance |
|  | On Track | +5% to -2% Variance |
|  | Behind | -3% to -5% Variance |
|  | Concern | Below -5% Variance |

Staff Comments

For this month's report, the item(s) explained below are either "behind", a "concern", or have changed significantly from the prior month.

Revenues are 1.1% above budget and expenses are 26% below budget. It is expected that both will be on track with the budget by the end of the year.



October 8, 2021

To: Santa Ana Watershed Project Authority

From: Michael Boccadoro
Beth Olhasso

RE: September Report

Overview:

Drought conditions continue to dominate headlines and drive discussions about water conservation. With major reservoirs dropping to capacity levels around 20 percent or lower, regulators are starting to take aggressive action. The state responded to the Governor's plea for 15 percent conservation, by only cutting water use by 1.8 percent, further frustrating regulators. Recently, Natural Resources Secretary Wade Crowfoot noted that the state isn't looking to institute mandatory conservation until winter precipitation is measured.

Recently, the State Water Resources Control Board adopted guidelines that will determine how the agency will administer the almost one billion financial relief program for community water systems' unpaid water bill debt from residential and commercial customers who were unable to pay their bills due to COVID-related financial hardship. The California Water and Wastewater Arrearages Payment Program will disburse funds between November 1, 2021 and January 31, 2022, prioritizing small drinking water systems first.

With another rough summer of flex alerts and narrowly escaping rolling blackouts, SWRCB staff is once again recommending extending the life of a "once through cooling" natural gas generating station in Redondo Beach. Western wide heat waves have made it more difficult to balance the electric grid the past several summers, and SWRCB and CPUC staff believe that the Redondo Beach "peaker" plant is essential to ensure the power stays on throughout Southern California.

The Legislature and the administration are normally done with budget work in mid-June, but with unprecedented budget surplus, it took until after Labor Day for all the surplus funds to be negotiated into a plan. Before session adjourned in September final drought and climate resiliency packages were passed and signed by the Governor. Funding for recycled water, drinking water and wastewater are key elements of the drought package.

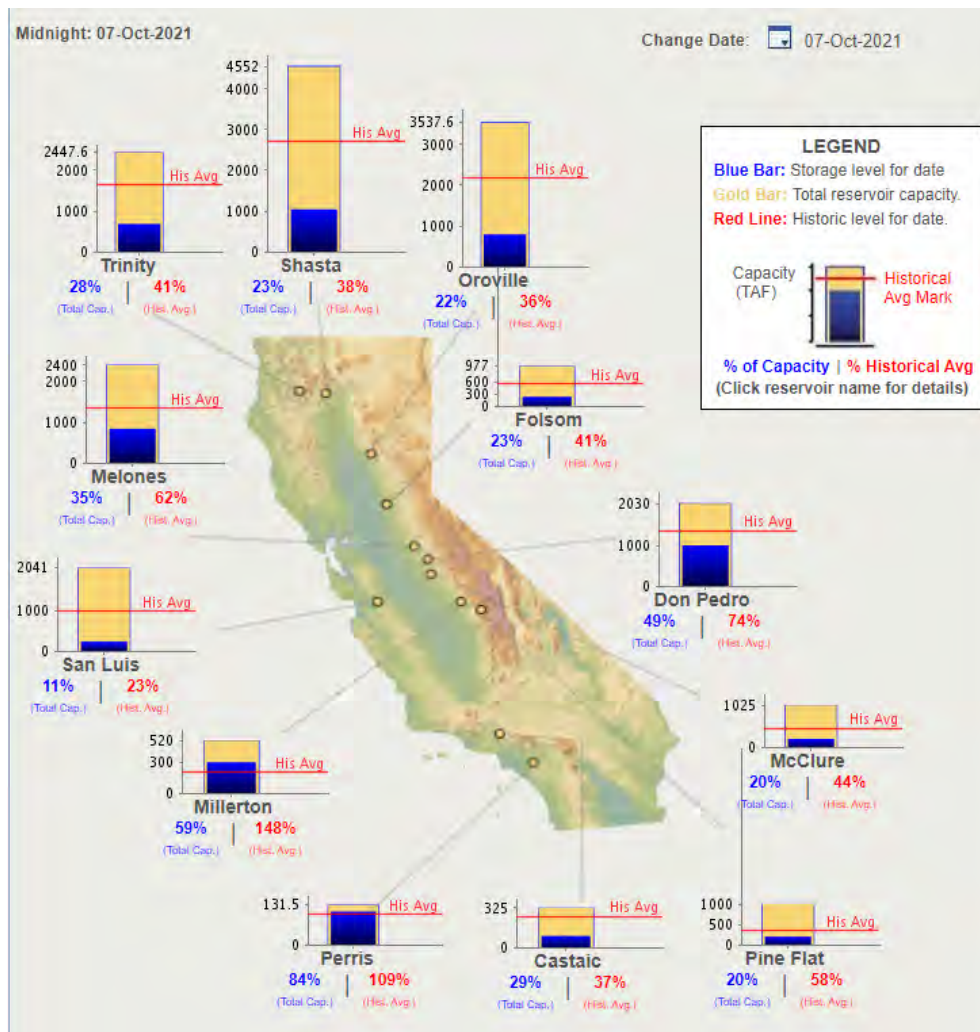
The first year of the two-year session ended on September 10. There were 2,776 bills introduced with 1,672 passing to the Governor's desk. 947 have already been signed, 45 vetoed, leaving 112 for Governor Newsom to act on in the next two days. Legislation on flushable product labeling, stormwater capture and vehicle fleet replacement were all signed by the Governor. The Legislature will return for the final year of the two-year session in January.

Santa Ana Watershed Project Authority Status Report – September 2021

Water Supply Conditions

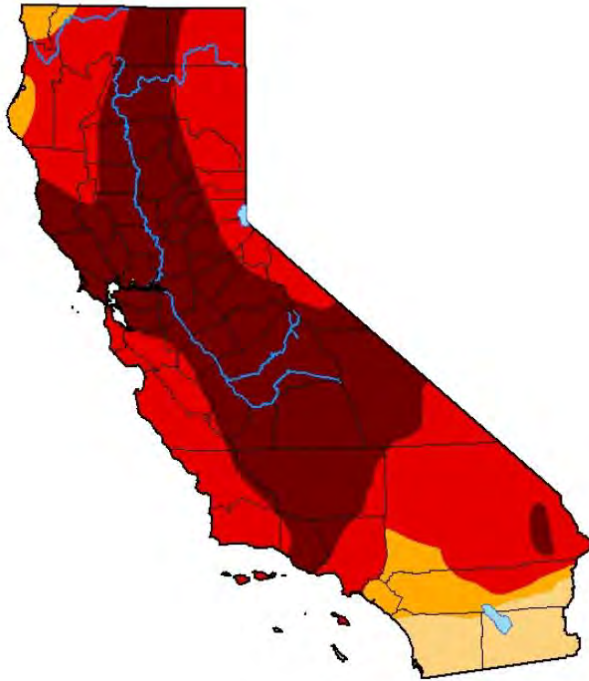
As widely reported, drought conditions are worsening and current reservoir levels are bleak. San Luis Reservoir, the main south-of-Delta storage facility for the State Water Project, is at 23 percent of average for this time of the year and 11 percent capacity. Lake Oroville is at 36 percent of average and 22 percent capacity. Finally, over 88 percent of the state is in extreme drought conditions, and over 47 percent of the state is in “exceptional drought” conditions, the most extreme condition measured.

The end of the water year on September 30 brought speculation that Governor Newsom would issue a statewide drought declaration, setting the State Water Resources Control Board (SWRCB) on a path to call for water reductions throughout California. However, only an announcement by Natural Resources Secretary Wade Crowfoot was made stating that regulators would continue to monitor California’s conservation efforts over the winter and address any sort of further actions in a few months.



**U.S. Drought Monitor
California**

October 5, 2021
(Released Thursday, Oct. 7, 2021)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|-------|--------|--------|-------|-------|-------|
| Current | 0.00 | 100.00 | 100.00 | 93.93 | 87.88 | 45.66 |
| Last Week 09-28-2021 | 0.00 | 100.00 | 100.00 | 93.93 | 87.88 | 45.66 |
| 3 Months Ago 07-06-2021 | 0.00 | 100.00 | 100.00 | 94.73 | 85.44 | 33.32 |
| Start of Calendar Year 12-29-2020 | 0.00 | 100.00 | 95.17 | 74.34 | 33.75 | 1.19 |
| Start of Water Year 09-29-2021 | 0.00 | 100.00 | 100.00 | 93.93 | 87.88 | 45.66 |
| One Year Ago 10-06-2020 | 15.40 | 84.60 | 67.54 | 35.61 | 12.74 | 0.00 |

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

Water Conservation

Californians reduced their water use at home by 1.8 percent statewide in July compared to last year, even after Governor Newsom urged residents to conserve 15 percent as drought continues to spread across the state.

Regulators recently warned water providers south of the Delta who rely on state water allocations — already slashed to five percent this year — to brace for the possibility of zero supply next year. The Department of Water Resources also cautioned that next year’s cuts in supply could expand to growers and others known as settlement contractors, whose claims to the water predate California’s massive systems of reservoirs, aqueducts and canals.

Department of Water Resources Director Karla Nemeth stated that State Water Project Contractors have been put on notice that they could be facing a zero percent allocation for 2022.

Arrearage Funding

Recently, the State Water Resources Control Board adopted guidelines that will determine how the agency will administer the almost one billion financial relief program for community water systems’ unpaid water bill debt from residential and commercial customers who were unable to pay their bills due to COVID-related financial hardship. The California Water and Wastewater Arrearages Payment Program will disburse funds between November 1, 2021 and January 31, 2022, prioritizing small drinking water systems first.

Water systems must apply for the funding, which covers residential and commercial accounts that are 60 days or more behind on payments for debt accrued between March 4, 2020 and June 15, 2021. As a condition of receiving the funds, participating systems must credit their customers' accounts and notify them that their water bill debt has been cleared or reduced. Customers will not be paid directly.

The guidelines adopted in late September set forth the conditions systems must meet, the type and amount of eligible debt, the prioritization of payments from the program, and the amount of allowable administrative costs. For example, water systems without customer payment plans will be required to have them, and relief for water systems serving disadvantaged communities will be prioritized. The program will also encourage those systems that have transferred customer debt to third parties to apply for funding nonetheless and clear those debts for their customers.

Electric Grid Reliability in Southern California

SWRCB staff is once again recommending extending the life of a "once through cooling" natural gas generating station in Redondo Beach. Western wide heat waves have made it more difficult to balance the electric grid the past several summers, and SWRCB and CPUC staff believe that the Redondo Beach "peaker" plant is essential to ensure the power stays on throughout Southern California.

The state board will take the matter up at its October 19 meeting. Environmentalists and the City of Redondo Beach argue that the plant isn't needed, but SWRCB staff point to not only CAISO and CPUC reports stating the fragility of the energy grid, but also to independent reports noting the state needs to preserve as much power as possible as new, energy efficient resources are brought online in the coming year.

State Budget Update

As mentioned in previous reports, the state budget process has been uncharacteristically long and drawn out this year. It took until early September for a final consensus to be reached on how to spend unprecedented budget surplus and federal stimulus funds totaling about \$100 billion. Legislators met their constitutional deadline of passing a budget by June 15, but what they passed didn't have the support of the Governor. They passed a "budget bill junior" on June 28 which contained more compromises reached by the Legislature and the Governor but still left out key aspects of the budget that were not negotiated between the Legislature and the Governor until after Labor Day.

Initial budgets had language that would limit drought funding to those counties with a declared drought. Strong work by MWD and others led to that language being removed from the final package.

The final drought package included about \$3 billion for drought. Some notable categories of funding include:

- \$650 million for drinking water- prioritized for disadvantaged communities
- \$650 million for wastewater- prioritized for septic to sewer conversion
- \$150 million for recycled water and groundwater cleanup
- \$600 million to DWR for multi-benefit watershed projects

There is also some funding for PFAS treatment, co-digestion and flood control and stormwater. DWR, SWRCB and the other agencies who received the funding will now work to implement the funds. Some new programs will be created, and it is expected that agencies will try to take advantage of existing programs to allocate the funding.

WCA has been working with SAWPA staff to identify potential opportunities for the agency.

Legislative Update

The first year of the two-year session ended on September 10. There were 2,776 bills introduced with 1,672 passing to the Governor's desk. With two days until the October 10 deadline to act on legislation, the Governor has signed 947 bills, vetoed 45 vetoed, leaving 112 for Governor Newsom to act on in the next two days.

Members will remain in their districts until January when they will return for the final year of the two-year session.

Updates on Bills

- AB 818 (Bloom)- Solid Waste: premoistened nonwoven disposable wipes: Co-Sponsored by CASA and disposable wipes industry. Would require specific "Do Not Flush" labeling on specific disposable wipes. Signed by Governor
- SB 273 (Hertzberg) Water Quality: municipal wastewater agencies: This legislation, sponsored by CASA, would authorize a wastewater agency to capture and treat stormwater utilizing ratepayer funds. The bill sailed through the Senate and the Assembly on the Consent Calendar and was signed by the Governor.
- SB 372 (Leyva) medium and heavy-duty fleet purchasing assistance program: zero emission vehicles. The bill, while still a work in progress, seeks to make financing tools available to help transition medium and heavy-duty truck fleets to zero emission vehicles. The Senator took amendments as it came out of the Appropriations Committee to include construction or earth-moving equipment as eligible under the program. The bill has easily moved through the process in both houses and has been signed by the Governor.
- AB 361 (R. Rivas): Sponsored by the California Special Districts Association would allow for public agencies to use teleconferencing without complying with certain Brown Act teleconferencing requirements provide that a teleconference location is accessible to the public, a quorum of members participate at the jurisdiction and the public has access to the legislative body at a specified location. These rules would only apply during a local or state emergency. An urgency clause was added to the bill late in the process to allow it to go into effect upon the Governor's signature (as opposed to on Jan 1 like most legislation). The Governor signed the bill on September 16.