

This meeting will be conducted in person at the addresses listed below. As a convenience to the public, members of the public may also participate virtually using one of the options set forth below. Any member of the public may listen to the meeting or make comments to the Commission using the call-in number or Zoom link. However, in the event there is a disruption of service which prevents the Authority from broadcasting the meeting to members of the public, the meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in-person.

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone:
• <u>https://sawpa.zoom.us/j/87954585232</u>	<ul> <li>1 (669) 900-6833</li> </ul>
• Meeting ID: 879 5458 5232	<ul> <li>Meeting ID: 879 5458 5232</li> </ul>

# **REGULAR COMMISSION MEETING TUESDAY, APRIL 1, 2025 – 9:30 A.M.**

(or immediately following the 8:30 a.m. PA 23 Committee meeting)

Santa Ana Watershed Project Authority 11615 Sterling Avenue Riverside, CA 92503

and

601 N. Ross Street, Room 327 Santa Ana, CA 92701

# <u>AGENDA</u>

# 1. CALL TO ORDER/PLEDGE OF ALLEGIANCE

# 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).

Members of the public may make comments in-person or electronically for the Commissions' consideration by sending them to <u>publiccomment@sawpa.gov</u> with the subject line "Public Comment". Submit your electronic comments by 5:00 p.m. on Monday, March 31, 2025. All public comments will be provided to the Chair and may be read into the record or compiled as part of the record. Individuals have a limit of three (3) minutes to make comments and will have the opportunity when called upon by the Commission.

# 4. ITEMS TO BE ADDED OR DELETED

Pursuant to Government Code §54954.2(b), items may be added on which there is a need to take immediate action and the need for action came to the attention of the SAWPA Commission subsequent to the posting of the agenda.

# 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.

#### 

		Recommendation: Approve as posted.							
6.	<u>NEW</u>	V BUSINESS							
	A. LOBBY SECURITY IMPROVEMENTS PROJECT AWARD (CM#2025.27)2								
		Presenter: David Ruhl							
		Recommendation: That the Commission:							
		<ol> <li>Reject the lowest bid from CO Brothers, LLC. as a nonresponsive;</li> </ol>							
		2. Authorize the General Manager to award a contract for public works construction							
		to the lowest responsive, responsible bidder, Bridgerock Construction, Inc., for							
		the Lobby Security Improvements Project (Project), in an amount not-to-exceed \$552,988;							
		3. Authorize the General Manager to execute Task Order No. GPA100-03 with Gillis							
		<ul> <li>+ Panichapan Architects (GPa) for services during construction for and amount not-to-exceed \$27,000;</li> </ul>							
		4. Authorize the General Manager to execute Task Order No. FALC100-02 with							
		Falcon Engineering Services, Inc. for Construction Management and Inspection							
		Services for an amount not-to-exceed \$142,140; and							

TREASURER'S REPORT: FEBRUARY 2025 .....15

5. Approve \$594,681 from the Building Reserve Fund, and \$127,447 of interest earnings from the General Fund for construction and inspection support for the Project.

#### В. APPROVAL OF CONSULTANT CONTRACT WITH WATER SYSTEMS CONSULTING, INC. FOR MONITORING PLAN - SANTA ANA RIVER REACH 3 TOTAL DISSOLVED SOLIDS SPECIAL STUDY (CM#2025.28)......45

**Presenter:** Rachel Gray

Β.

Recommendation: That the Commission authorize the General Manager, or his designee, to execute the following to implement the Monitoring Plan for the Santa Ana River Reach 3 Total Dissolved Solids Special Study:

- 1. General Services Agreement with Water Systems Consulting, Inc. (WSC); and
- 2. Task Order No. WSC374-02 for an amount not to exceed \$159,602.

C.	LETTER OF SUPPORT FOR SENATE BILL (SB) 72: CALIFORNIA WATER PLAN:
	LONGTERM WATER SUPPLY TARGETS (CM#2025.29)129
	Presenter: Jeff Mosher

Recommendation: That the Commission authorize the General Manager to send a letter of support for SB 72 (Caballero): California Water Plan: Longterm Water Supply Targets -Support, as amended on March 18, 2025.

D. Presenter: Karen Williams Recommendation: That the Commission review and discuss the draft FYE 2026 and 2027 Budget and consider adoption.

#### 7. INFORMATIONAL REPORTS

Recommendation: Receive for information.

- Α. Presenter: Jeff Mosher
- В. **GENERAL MANAGER REPORT** Presenter: Jeff Mosher

SAWPA Commission Regular Meeting Agenda April 1, 2025 Page 3

#### C. <u>CHAIR'S COMMENTS/REPORT</u>

#### D. <u>COMMISSIONERS' COMMENTS</u>

#### E. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

#### 8. <u>CLOSED SESSION</u>

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.gov 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 <u>www.sawpa.gov</u>, 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 March 27, 2025, a copy of this agenda has been uploaded to the SAWPA website at <u>www.sawpa.gov</u> and posted at SAWPA's office at 11615 Sterling Avenue, Riverside, California.

# 2025 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		February	
1/7/25 1/21/25	Commission Workshop [cancelled] Regular Commission Meeting		Commission Workshop Regular Commission Meeting
March		April	
3/4/25 3/18/25	Commission Workshop Regular Commission Meeting	4/1/25 4/15/25	Commission Workshop Regular Commission Meeting
May		June	
5/6/25 5/20/25 5/13 – 5/15			Commission Workshop Regular Commission Meeting
July		August	
7/1/25 7/15/25	Commission Workshop Regular Commission Meeting	8/5/25 8/19/25	Commission Workshop Regular Commission Meeting
Septembe	r	October	
9/2/25 9/16/25	Commission Workshop Regular Commission Meeting	10/7/25 10/21/25	Commission Workshop Regular Commission Meeting
November	•	December	
11/4/25 11/18/25	Commission Workshop Regular Commission Meeting	12/2/25 12/16/25 12/2 – 12/4	Commission Workshop Regular Commission Meeting /25 ACWA Fall Conference, San Diego, CA

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# SAWPA COMPENSABLE MEETINGS

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.gov/sawpa-calendar/

MONTH OF	: APRIL 202	25	
DATE	TIME	MEETING DESCRIPTION	LOCATION
4/1/25	8:30 AM	PA 23 Committee Mtg	Hybrid (SAWPA & Virtual/Teleconference)
4/1/25	10:00 AM	PA 24 Committee Mtg	Hybrid (SAWPA & Virtual/Teleconference)
4/17/25	4:00 PM	LESJWA Board of Directors Mtg	Hybrid (Elsinore Valley MWD, 31315 Chaney Street, Lake Elsinore, CA 92530 & Virtual/Teleconference)
4/22/25	1:30 PM	Lake Elsinore/Canyon Lake TMDL Task Force Mtg	Virtual/Teleconference
4/28/25	9:30 AM	MSAR TMDL Task Force Mtg	Virtual/Teleconference
4/29/25	1:00 PM	Emerging Constituents Program Task Force Mtg	Hybrid (SAWPA & Virtual/Teleconference)

# MONTH OF: MAY 2025

DATE	TIME	MEETING DESCRIPTION	LOCATION
5/6/25	10:00 AM	PA 24 Committee Mtg	Hybrid (SAWPA & Virtual/Teleconference)
5/22/25	11:00 AM	OWOW Steering Committee Mtg	Hybrid (SAWPA & Virtual/Teleconference)

<u>Please Note</u> : 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 MARCH 18, 2025

<u>COMMISSIONERS PRESENT</u>	Mike Gardner, Chair, Western Municipal Water District Gil Botello, Vice Chair, San Bernardino Valley Municipal Water District Philip E. Paule, Secretary-Treasurer, Eastern Municipal Water District Denis Bilodeau, Orange County Water District [10:42 a.m. via - zoom]
COMMISSIONERS ABSENT	Jasmin A. Hall, Inland Empire Utilities Agency
<u>COMMISSIONERS PRESENT;</u> <u>NON-VOTING</u>	David Slawson, Eastern Municipal Water District [via - zoom] T. Milford Harrison, San Bernardino Valley Municipal Water District Fred Jung, Orange County Water District [via - zoom]
STAFF PRESENT	Jeff Mosher, Karen Williams, David Ruhl, Rachel Gray, Shavonne Turner, Dean Unger, John Leete, Ian Achimore, Rick Whetsel, Sara Villa, Alison Lewis, Marie Jauregui, Natalia Gonzalez
OTHERS PRESENT	Thomas S. Bunn, Lagerlof, LLP; Lisa Haney, Orange County Water District; Carly Pierce, Western Municipal Water District; Mallory O'Conor, Western Municipal Water District; 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 9:31 a.m. by Chair Mike Gardner on behalf of the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California, and Denis Bilodeau at 601 N. Ross Street, Room 327, Santa Ana, CA 92701.

# 1. CALL TO ORDER

# 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.

The Commission first considered Agenda Item No. 9.A, and Chair Mike Gardner recessed the meeting at 9:33 a.m. for Closed Session.

# 4. ITEMS TO BE ADDED OR DELETED

There were no items to be added or deleted.

# 5. CONSENT CALENDAR

A. <u>APPROVAL OF MEETING MINUTES: MARCH 4, 2025</u> Recommendation: Approve as posted. **MOVED**, to approve the Consent Calendar as posted.

Result:	Adopted by Roll Call Vote
Motion/Second:	Paule/Botello
Ayes:	Botello, Gardner, Paule
Nays:	None
Abstentions:	None
Absent:	Bilodeau

# 6. WORKSHOP DISCUSSION AGENDA

# A. LEGISLATIVE REPORT

Jeff Mosher introduced Michael Boccadoro and Beth Olhasso of West Coast Advisors, and Mr. Boccadoro provided a report on the drought and water supply update.

California's reservoirs remain at or above historical averages due to recent atmospheric rivers, with substantial snowpack and precipitation in February. The two largest reservoirs, Shasta and Oroville, are near full capacity and released 2 million acre-feet of water to prepare for potential floods, while only 4% of the water was captured. This highlights the need for better infrastructure to store and move water, particularly to the Central Valley. Current snowpack is at 93% of the average, with optimism for reaching 100% due to cold storms in March. While northern and central California have benefited from the storms, southern California remains drier, and drought conditions are increasing in that region.

Ms. Olhasso provided a report on the Governor's proposed \$322.2 billion budget raises concerns, particularly around funding for wildfire response and recovery. Key details will be clearer after the May budget revision, which will incorporate tax receipts after April 15. A major issue is the potential redirection of Proposition 4 funds, which are intended for water recycling but may be used elsewhere, particularly for wildfire programs. This has led to push back from the Legislature, questioning whether this would be misleading to voters. Additionally, proposed staffing reductions, including cuts to the State Water Resources Control Board's vacant positions, could disrupt permitting processes, particularly in fee-based programs. Further details are expected in April, when a larger hearing on these matters will take place.

One key bill to watch is SB 72, which focuses on long-term water supply targets and is supported by the California Municipal Utilities Association and Western Municipal Water District. Although amendments are expected soon, there are no major concerns at the moment. The bill is scheduled to be discussed in the Natural Resources and Water Committee towards the end of the month, just before the summer recess. While the exact date isn't set, it will likely be addressed at the end of the month.

Ms. Olhasso highlighted several important bills that are being discussed in California's legislature:

- AB 532 (introduced by CMUA) focuses on water rate assistance, offering an alternative to the controversial SB 350. While SB 350 proposes a low-income rate assistance program that includes sewer services, which presents additional challenges, AB 532 avoids a subsidy model and aligns with Prop 218, making it a more viable option. Advocates are working to demonstrate that AB 532 is the better solution, but progress may not happen until it reaches the Assembly.
- SB 350 aims for a broader water rate assistance program and now includes sewer services. The complexities of applying this to sewer rates (often tied to property tax rolls) complicate the implementation.

- SB 31 addresses updates to Title 22, which regulates non-potable recycled water. This bill, which has strong support, would make it easier for homeowners' associations and parks to use recycled water for landscaping and common areas. It's scheduled for discussion next week, with no opposition so far.
- SB 454 aims to create a PFAS mitigation fund for cleanup efforts. While still in the early stages, this bill marks a step toward collaborative PFAS mitigation, which could include funding for wellhead and effluent treatment.
- SB 694 focuses on advanced clean fleet regulations, addressing challenges in transitioning utility vehicles to electric models. It recognizes that some utility vehicles aren't yet available in electric form and that charging infrastructure may not meet emergency response needs. This bill has broad support.

Mr. Boccadoro noted that the California Air Resources Board (CARB) is struggling with a significant challenge regarding the Advanced Clean Trucks and Advanced Clean Fleets rules. The Advanced Clean Trucks rule mandates that manufacturers produce electric trucks, while the Advanced Clean Fleets rule requires fleet operators to purchase them. CARB is currently struggling to align these two regulations, creating a difficult situation for the agency. Despite this, CARB has yet to publicly acknowledge the full scope of the issue, making it a key challenge for the future of California's transportation and climate goals.

Looking ahead, there is hope for some relief for public agencies, but a major challenge remains: CARB is unlikely to meet its 2030 transportation and broader climate goals. Achieving a 40% reduction in emissions below 1990 levels by 2030 was already a tough target, even before the federal administration change. With the reduced federal funding following the administration shift, the likelihood of meeting these targets has significantly decreased. If CARB does manage to reach these goals, it may come at a high cost to California's consumers and businesses. Moving forward, there is hope that CARB will recognize these difficulties and adjust their expectations and approach to ensure more reasonable and achievable solutions.

Ms. Olhasso commended staff and thanked everyone who participates in the weekly legislative conference calls. The member agencies and SAWPA staff's consistent involvement has been incredibly valuable. These calls provide a fantastic opportunity to dig deeper into the bills and have productive, meaningful discussions. The engagement truly makes a difference and is grateful to all who contribute to such a productive space for collaboration. It's been extremely helpful and really appreciates all the effort and time everyone dedicates to making it successful.

This item is to receive and file; no action was taken on agenda item no. 6.A.

# 7. <u>NEW BUSINESS</u>

# A. FYE 2026 AND 2027 GENERAL FUND DRAFT BUDGET (CM#2025.22)

Karen Williams provided a presentation on the FYE 2026 and 2027 General Fund Draft Budget, contained in the agenda packet on pages 15-43.

Ms. Williams provided a brief overview of the general fund budget, Indirect Costs and Benefit Rates, and Member Agency Contributions. The General Fund is used for all Joint Power Authority (JPA) administrative functions for the Commission, including legislative needs, building facility maintenance, and activities not directly related to specific projects. It covers costs for departments such as finance, accounting, Human Resources, legal, and IT. The Indirect Cost Rates, SAWPA aims to keep the indirect cost rate stable from year to year, providing consistency and predictability in the costs charged to projects, including software

labor and reimbursable contracts. SAWPA works to keep member agency contributions reasonable and relatively constant to provide stability for the member agencies.

Ms. Williams referenced the Labor Assumptions Used slide, contained in the agenda packet on page 31 and noted that SAWPA has 26 filled and approved FTE, 5 Interns and an 8% salary increase planned each year, which is split into 4% Merit Pool, based on performance evaluations for each employee, and 4% Cost-of-Living Adjustment (COLA). This will be determined by the Consumer Price Index (CPI) for the Ontario-Riverside-San Bernardino area, and the exact figure will be brough to the Commission for approval each year.

Commissioner Botello asked how the Merit Pool is determined for staff. Ms. Williams noted that the Department Heads conduct biannual staff evaluations and review accomplishments with employees at the end of the year. The Department Head then meets with the General Manager to discuss the evaluations, and ultimately the General Manager makes the final decision on who will receive salary increases. Some employees are at the maximum salary for their position, meaning they would not be able to receive merit increases but are eligible for a bonus. This approach provides flexibility based on individual performance while ensuring that salary adjustments are within a set framework. The General Manager has the final say, considering the evaluations and performance of each employee.

Mr. Mosher referenced SAWPA's Organization Chart slide, contained in the agenda packet on page 32 and reported that there are changes with Ms. Williams' retirement, and her holding multiple roles, including CFO and Deputy General Manager. We have discussed with both the General Managers and the Commission the hiring of a Director of Finance, instead of a CFO, and bringing in an external advisor for investment. The RFP for this advisor is currently out, which aligns with our transition plan for the finance department.

In addition to Ms. Williams' role in finance, she also serves as Deputy General Manager, which is a crucial position within our organization. Ms. Williams has been instrumental in supporting all aspects of SAWPA, from budget administration, IT, Human Resources, and planning. We want to continue this support by hiring an Assistant General Manager (AGM).

Mr. Mosher noted that the greatest need right now is in the area of planning. We feel additional support is necessary to strengthen this area, which is why we are repurposing the AGM role to focus more on planning services. In addition, we plan to expand the department's responsibilities to include areas that have been supporting our planning initiatives, such as data management and GIS. Additionally, we are expanding beyond the IRWM focus to include climate adaptation and resiliency programs, such as the grant we're currently working on. This involves areas like communications, community outreach, and ensuring input from disadvantaged communities. As state priorities shift toward climate resiliency, we see opportunities to align SAWPA's work with Proposition 4 priorities, such as nature-based solutions. This could position us to seek out grant funding in areas outside of IRWM, such as watershed resiliency and nature-based solutions funding from agencies like CalEPA, which falls outside of DWR. Our goal is to reshape how SAWPA approaches planning, not only in support of watershed member agencies but also expanding to include other stakeholders like flood control and power sectors.

Mr. Mosher noted that while we don't yet have an exact picture of how this will all look, we intend to hire the AGM and work closely with them to develop strategies for CARP, regional projects, and position SAWPA to better serve our member agencies in this evolving environment. This is a work in progress as we move into the next fiscal year, these changes are being proposed in light of Ms. Williams' retirement and the need to position SAWPA to better support its mission.

Vice Chair, Gil Botello raised questions about how staff are looking to hire an external investment advisor because the new hire would need to focus on SAWPA financial needs, leaving them unable to concentrate on other responsibilities. But now it is proposed to hire both an external investment advisor and an AGM and we could create additional costs. Also, being familiar with SAWPA staff and having very talented individuals, is it being considered to promote someone from within to the AGM role? Also, given that your organization runs so smoothly and has such a talented team, do you really need to bring someone from the outside? That person may not be familiar with the history or culture of the organization, which could create challenges when it comes to managing the team. Mr. Botello emphasized that experience and institutional knowledge are important, and that's something he highly values from his time as a public servant. So, adding two new positions, especially if one is an external hire, may not be the best approach. However, if the Commission and/or the General Manager decide to move forward, he is interested to hear the General Managers thoughts.

Mr. Mosher noted that we're not adding any new positions. Staff is maintaining the same staffing levels with 26 full-time equivalents. We're simply reorganizing responsibilities to align better with the evolving needs of the organization, especially with regards to the planning program's future direction. On the finance side, it's been determined that we don't need to hire a CFO, as that's a higher-level position. Instead, we're considering bringing in a Director of Finance, which would come at a lower cost than a CFO. Regarding the AGM role, it serves a dual purpose at a high level, it would support the entire organization and help with succession planning. We've recently hired several new senior level positions at SAWPA, like in administrative services and the planning department. Bringing in an AGM would allow them to grow into the role and prepare for future succession. This would also help other staff members gain experience for the next leadership transition. The AGM would play an essential role in overseeing the organization's various functions, including planning, and working alongside the General Manager.

Mr. Mosher noted that as staff explore future funding opportunities, we will bring back an analysis of Prop 4 and other potential funding streams, with a focus on positioning our members to take advantage of them. We're seeing these changes gradually unfold, and we're adapting our strategy to meet the future needs of the watershed. Lastly, we're fortunate to have Ms. Williams here for this two-year budget cycle. In the next two years, we're set with the current grant funding from Prop 1, as those projects will carry us through. However, we've already started discussing Year 3 and 4, as many of our IRWM programs will be wrapping up. Ms. Williams will also present the expiration of several grant programs: Prop 84 ends in November, and Prop 1 Round 1 and 2 will conclude in fiscal year 2027. The idea is that initially, the Director of Finance will have a lot to learn, but we believe that we could potentially reduce their workload down the line. Additionally, the fees for the external investment advisor role will be covered by interest earnings, so it won't be a direct budgeted expense like a consultant.

Mr. Mosher noted that he met individually with the five General Managers, and while he meets with them regularly, they had more in-depth discussions over the past 4-6 weeks about our priorities and how we plan to achieve them. This topic was also addressed at the last General Managers meeting. Regarding their feedback, the General Managers will raise concerns if they have any, or if they want to suggest changes or additions. The General Managers are generally supportive of bringing this forward to the Commission.

Ms. Williams noted that the Comprehensive Budget will be brought back to the Commission on April 1<sup>st</sup> with the opportunity to approve or wait until May.

Commissioner Denis Bilodeau joined the meeting via – zoom at 10:42 a.m., during Agenda Item No. 7.A.

This item is to receive and file; no action was taken on agenda item no. 7.A.

#### B. UPDATE ON THE SANTA ANA RIVER HABITAT SURVEY (CM#2025.23)

Ian Achimore provided a presentation on the Update on the Santa Ana River Habitat Survey, contained in the agenda packet on pages 61-79.

Mr. Achimore noted that an update on the habitat survey was provided to the Commission in June of last year, and staff have completed two of the surveys in the past couple of months. Mr. Achimore took a moment to thank our partners, including the Orange County Water District, San Bernardino Valley Municipal Water District, Colton Police Department, Riverside County Regional Park and Open Space District, and the U.S. Fish and Wildlife Service for their contributions to the recent pilot surveys on February 3rd. These collaborations were essential for the success of the surveys, and we are truly grateful for their support.

A brief overview of the Santa Ana Sucker was provided. This fish species is a bottom feeder, scraping algae from rocks and gravel in the Santa Ana River. The ideal habitat for the sucker consists of a river bottom that mixes sand, cobble, and gravel. These elements provide both feeding grounds and suitable locations for spawning. SAWPA staff have been conducting habitat surveys on the Santa Ana River since 2006. While the task force itself has been operating since 1998, the first habitat survey was done in 2006. These surveys occur every fall, providing a snapshot of the river's habitat conditions at that time. The key elements assessed during these surveys include Vegetation Canopy, River Bottom composition, River depth, and gravel bar locations. The surveys span 18 miles of the Santa Ana River, from the Rialto Channel (City of Colton) downstream to River Road near Prado Dam. The survey covers 116 preset, geolocated points along this stretch of the river. Consistency in survey points year to year is essential for tracking trends over time.

Mr. Achimore noted that at the last update in June, the possibility of expanding the surveys was discussed to include other seasons, such as winter. Traditionally, these surveys were conducted only in the fall. However, winter can bring storm flows, which change the river's conditions. To explore these changes, we worked with the task force to pilot wintertime surveys. These surveys were conducted after storm flows, approximately one week after major storms, in the months of November, December, and early January. Despite the challenges, staff managed to conduct surveys during the winter pilot. Unfortunately, the storms encountered in November, December, and January were not as strong as expected. The river flow was low, and staff were unable to assess significant changes to the riverbed due to the lack of high precipitation. As a result, there were fewer visible changes to the river habitat, and the vegetation remained largely undisturbed.

Mr. Achimore noted that the pilot winter survey produced interesting data, but further analysis is needed to make meaningful conclusions. Staff will continue to discuss whether winter surveys should become regular practice. One important takeaway is that turbidity did not present a significant issue during the survey, and safety concerns were adequately addressed.

Chair Mike Gardner recommended reaching out to the mosquito and vector control district to explore the feasibility of using their hovercraft for these purposes. There could be potential for a mutually beneficial partnership, where they provide the hovercraft and support, and you bring the expertise in surveying and data collection. It could be a valuable way to enhance the efficiency and safety of the surveys, especially in winter conditions after storms.

This item is to receive and file; no action was taken on agenda item no. 7.B.

#### 8. <u>INFORMATIONAL REPORTS</u> Recommendation: Receive for Information.

- A. <u>CASH TRANSACTIONS REPORT JANUARY 2025</u> Presenter: Karen Williams
- B. INTER-FUND BORROWING JANUARY 2025 (CM#2025.24) Presenter: Karen Williams
- C. <u>PERFORMANCE INDICATORS/FINANCIAL REPORTING JANUARY 2025</u> Presenter: Karen Williams
- D. <u>PROJECT AGREEMENT 25 OWOW FUND FINANCIAL REPORT, JANUARY 2025</u> Presenter: Karen Williams
- E. <u>PROJECT AGREEMENT 25 ROUNDTABLE FUND FINANCIAL REPORT,</u> JANUARY 2025 Presenter: Karen Williams
- F. SECOND QUARTER FYE 2025 EXPENSE REPORT
  - General Manager
  - Staff **Presenter:** Karen Williams
- G. <u>BUDGET VS ACTUAL VARIANCE REPORT FYE 2025 SECOND QUARTER DECEMBER</u> 31, 2024 (CM#2025.26) Presenter: Karen Williams
- H. FINANCIAL REPORT FOR THE SECOND QUARTER ENDING DECEMBER 31, 2024 Presenter: Karen Williams
- I. <u>STATE LEGISLATIVE REPORT</u> Presenter: Jeff Mosher

# J. GENERAL MANAGER REPORT

Jeff Mosher reported that the lobby improvement award will be brought to the Commission on April 1st, and the rotating location schedule will be presented at that time. SAWPA staff are working on the validation results for the cloud seeding project. We're aware that we're on a tight timeframe and need to get feedback from the flood control districts while also reviewing the validation results before making a final decision on whether we'll proceed with cloud seeding.

# K. CHAIR'S COMMENTS/REPORT

There were no Chair comments received.

# L. <u>COMMISSIONERS' COMMENTS</u>

Vice Chair Gil Botello noted he would like to withdraw his comment from the previous Commission meeting of the possibility of eliminating the line item in the budget for West Coast Advisors Consultant. After today's discussion, he realizes that they have a distinct role in terms of the information they provide to this Commission and appreciates the value they bring.

SAWPA Commission Regular Meeting Minutes March 18, 2025 Page 8

# M. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

Chair Mike Gardner requested an Agenda Items to discuss whether we wish to take a formal position on Senate Bill 72.

# 9. CLOSED SESSION

# A. <u>CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION</u>

Significant Exposure to litigation pursuant to paragraph (2) or (3) subdivision (d) of Section 54956.9: one case

Chair Mike Gardner resumed the Open Session at 9:58 a.m. and considered Agenda Item No. 10, Closed Session Report.

# 10. CLOSED SESSION REPORT

Legal Counsel, Thomas S. Bunn announced that the Commission received a report from Counsel and provided direction; no reportable action was taken on Agenda Items No. 9.A.

The Commission next considered Agenda Item No. 4, Items to be Added or Deleted.

# 11. ADJOURNMENT

There being no further business for review, Chair Mike Gardner adjourned the meeting at 11:15 a.m.

Approved at a Regular Meeting of the Santa Ana Watershed Project Authority Commission on Tuesday, April 1, 2025.

Mike Gardner, Vice Chair

Attest:

Sara Villa, Clerk of the Board

# Santa Ana Watershed Project Authority



# **Finance Department**

Santa Ana Watershed Project Authority TREASURER'S REPORT

# February 2025

During the month of February 2025, the Agency's actively managed temporary idle cash earned a return of 3.582%, representing interest earnings of \$39,076. Additionally, the Agency's position in overnight funds L.A.I.F. generated \$211,668 in interest, resulting in \$250,744 of interest income from all sources. Please note that this data represents monthly earnings only and does not indicate actual interest received. There were zero (0) investment positions purchased, zero (0) positions sold, zero (0) positions matured, and zero (0) positions were called.

This Treasurer's Report is in compliance with SAWPA's Statement of Investment Policy. Based upon the liquidity of the Agency's investments, this report demonstrates the ability to meet customary expenditures during the next six months. March 19, 2025

Prepared and submitted by:

Kaun (1) Iliam

Karen L. Williams, Deputy GM/Chief Financial Officer

#### Santa Ana Watershed Project Authority

#### INVESTMENT PORTFOLIO - MARKED TO MARKET - UNREALIZED GAINS & LOSSES

#### February 28, 2025

SAWPA primarily maintains a "Buy and Hold" investment philosophy, with all investments held by US Bank via a third-party safekeeping contract.

Investment	Security			Purchase	Maturity	CallDate			Yield To		Investment	ı	Market Value	U	nrealized	Coupon		Interest
Type	Type	CUSIP	Dealer	Date	Date	(if appl)		Par Value	Maturity		Cost	c	urrent Month	Ga	uin/(Loss)	Rate		Earned
Agency	FHLB	3130ATHWO	WMS	11-04-22		No Call	\$	1,000,000.00	4.125%	\$	991,965.00	\$	1,000,152.06	\$	8,187	4.125%	\$	3,164.38
Agency	FHLB	3130AWC24	MBS	06-06-23	06-09-28	No Call	\$	500,000.00	3.889%	\$	502,505.00	\$	498,471.74	\$	(4,033)	4.000%	\$	1,491.67
Agency	FHLB	3130AWN63	WMS	01-25-24	06-30-28	No Call	\$	1,000,000.00	4.020%	\$	999,170.00	\$	997,675.81	\$	(1,494)	4.000%	\$	3,083.87
Agency	FHLB	3130ATUT2	MBS	01-09-25	12-14-29	No Call	\$	500,000.00	4.451%	\$	501,058.00	\$	507,879.89	\$	6,822	4.500%	\$	1,707.23
Agency	FNMA	3135G05X7	WMS	10-30-20	08-25-25	No Call	\$	1,000,000.00	0.460%	\$	995,952.00	\$	980,976.01	\$	(14,976)	0.375%	\$	352.88
Agency	USTN	91282CAZ4	WMS	04-19-21	11-30-25	No Call	\$	1,000,000.00	0.761%	\$	982,500.00	\$	971,531.25	\$	(10,969)	0.375%	\$	583.52
Agency	USTN	912828ZTO	WMS	09-15-21	05-31-25	No Call	\$	1,000,000.00	0.530%	\$	989,726.56	\$	989,742.19	\$	16	0.250%	\$	406.71
Agency	USTN	91282CMD0	MBS	01-14-25	12-31-29	No Call	\$	1,000,000.00	4.577%	\$	991,100.00	\$	1,011,328.12	\$	20,228	4.375%	\$	3,511.25
CD	Beal Bank USA	07371DEV5	MBS	08-17-22	08-12-26	No Call	\$	245,000.00	3.200%	\$	245,000.00	\$	241,352.59	\$	(3,647)	3.200%	\$	601.42
CD	Synchrony Bank	87164XP34	MBS	08-12-22	08-12-25	No Call	\$	245,000.00	3.350%	\$	245,000.00	\$	243,864.02	\$	(1,136)	3.350%	\$	74.44
CD	Capital One Bank USANA	14042TGJ0	MBS	05-25-22		No Call	\$	246,000.00	3.200%	\$	246,000.00	\$	240,463.29	\$	(5,537)	3.200%	\$	603.88
CD	Morgan Stanley Private Bank	61768UAT4	MBS	11-15-22	11-15-27	No Call	\$	248,000.00	5.000%	\$	248,000.00	\$	248,330.17	\$	330	5.000%	\$	951.23
CD	Prime Alliance Bank	74160NJF8	MBS	11-17-22		No Call	\$	248,000.00	4.950%	\$	248,000.00	\$	248,123.32	\$	123	4.950%	\$	941.72
CD	Cooperative Center FSU	21686MAA6	MBS	12-29-22		No Call	\$	249,000.00	4.650%	\$	249,000.00	\$	249,799.22	\$	799	4.650%	ŝ	888.21
CD	Affinity Bank	00833JAQ4	MBS	03-17-23		No Call	s	248,000.00	4.900%	\$	248,000.00	\$	252,459.96	\$	4,460	4.900%	\$	932.21
CD	Discover Bank	2546732V7	MBS	03-22-23		No Call	s	243,000.00	5.050%	\$	243,000.00	\$	246,788.36	\$	3,788	5.050%	\$	941.38
CD	Global Fed CR UN Alaska	37892MAF1	MBS	05-12-23		No Call	s	249,000.00	4.600%	\$	249,000.00	\$	250,860.81	\$	1,861	4.600%	\$	878.66
CD	UBS Bank USA	90355GDJ2	MBS	05-17-23		No Call	\$	249,000.00	4.550%	\$	249,000.00	\$	250,605.87	\$	1,606	4.550%	\$	869.11
CD	BMW Bank of North Americ	05580A2G8	MBS	06-16-23		No Call	\$	244,000.00	4.600%	\$	244,000.00	\$	244,951.75	\$	952	4.600%	\$	861.02
CD	Barclays Bank Delaware	06740KRW9	MBS	07-26-23		No Call	\$	243,000.00	5.100%	\$	244,000.00	\$	244,331.73	ф \$	732	5.100%	\$ \$	950.70
CD	Farmers Insurance Group	30960QAS6	MBS	07-26-23		No Call	э \$	248,000.00	5.100%	э \$	243,000.00	э \$	250,912.97	ې \$	2,913	5.100%	э \$	930.70 970.26
CD			MBS				э \$			э \$								
CD	Chartway Federal Credit Union	16141BAQ4 39573LEM6	MBS	09-08-23 09-26-23		No Call No Call	э \$	248,000.00 248,000.00	5.000% 5.000%	э \$	248,000.00 248,000.00	\$ \$	252,419.42 254,026.67	\$	4,419 6,027	5.000% 5.000%	\$	951.23 951.23
	Greenstate Credit Union													\$			\$	
CD	Empower Fed CeditUnion	291916AA2	MBS	09-29-23		No Call	\$	248,000.00	5.100%	\$	248,000.00	\$	253,111.27	\$	5,111	5.100%	\$	970.26
CD	US Alliance Fed Credit Union	90352RDF9	MBS	09-29-23		No Call	\$	248,000.00	5.100%	\$	248,000.00	\$	254,864.06	\$	6,864	5.100%	\$	970.26
CD	Numerica Credit Union	67054NBN2	MBS	11-10-23		No Call	\$	248,000.00	5.550%	\$	248,000.00	\$	253,321.67	\$	5,322	5.550%	\$	1,055.87
CD	Heritage Community Cr Un	42728MAB0	MBS	11-15-23		No Call	\$	248,000.00	5.450%	\$	248,000.00	\$	252,996.92	\$	4,997	5.450%	\$	1,036.84
CD	Members Trustof SW FCU	585899AG2	MBS	01-19-24		No Call	\$	249,000.00	4.000%	\$	249,000.00	\$	246,640.75	\$	(2,359)	4.000%	\$	764.05
CD	Hughes FCU	444425AL6	MBS	01-29-24		No Call	\$	249,000.00	4.400%	\$	249,000.00	\$	249,765.32	\$	765	4.400%	\$	840.46
CD	Farmers & Merchants TR	308693BG4	MBS	01-30-24		No Call	\$	249,000.00	4.150%	\$	249,000.00	\$	248,616.47	\$	(384)	4.150%	\$	792.71
CD	Nicolet National Bank	654062LP1	MBS	03-08-24		No Call	\$	249,000.00	4.250%	\$	249,000.00	\$	248,874.60	\$	(125)	4.250%	\$	811.81
CD	Medallion Bank	58404DUP4	MBS	03-13-24	03-15-27	No Call	\$	249,000.00	4.600%	\$	249,000.00	\$	250,703.71	\$	1,704	4.600%	\$	878.66
CD	Wells Fargo Bank	949764MZ4	MBS	03-12-24	03-12-27	No Call	\$	249,000.00	4.500%	\$	249,000.00	\$	250,268.78	\$	1,269	4.500%	\$	859.56
CD	Toyota Financial SGS Bank	89235MPN5	MBS	05-24-24	05-24-29	No Call	\$	244,000.00	4.600%	\$	244,000.00	\$	247,046.11	\$	3,046	4.600%	\$	861.02
CD	First Foundation Bank	32026U5U6	MBS	05-22-24	05-22-29	No Call	\$	244,000.00	4.600%	\$	244,000.00	\$	247,042.44	\$	3,042	4.600%	\$	861.02
CD	Citizens Bank	173477CF5	MBS	01-10-25	01-10-30	No Call	\$	249,000.00	3.850%	\$	249,000.00	\$	244,467.08	\$	(4,533)	3.850%	\$	735.40
CD	AlliantCreditUnion	01882MAD4	MBS	12-30-22	12-30-25	No Call	\$	248,000.00	5.100%	\$	248,000.00	\$	249,659.44	\$	1,659	5.100%	\$	970.26
TotalActiv	vely Invested Funds						\$	14,172,000.00		\$	14,125,976.56	\$	14,173,826.26	\$	47,850	3.582%	\$	39,076.41
Totallago	Agency Investment Fund									\$	63,679,802.58					4 2 2 2 9/	e .	211 669 17
TotalLoca	ragency investment rund									φ	03,079,002.38					4.333%	φ.	211,668.17
TotalInves	sted Cash						\$	14,172,000.00		\$	77,805,779.14					4.196%	\$:	250,744.58
Kev to Secu	uritv Tvpe:								Kev to Deal	ers:								
FHLB = Federal Home Loan Bank							FCS	=	FinaCorp Securiti	es								
FHLMC		= Federal Home		·					MBS		Multi-Bank Securi	ies						
FNMA		= Federal Natio	-	ge Associatio	on				MS		Mutual Securities							
USTN		= USTreasury							RCB		RBC Dain Rausc							
CORP		= Corporate No							SA		Securities America		-					
CD = Certificate of Deposit									TVI	=	Time Value Invest	nen	IS					

WMS

= Wedbush Morgan Securities

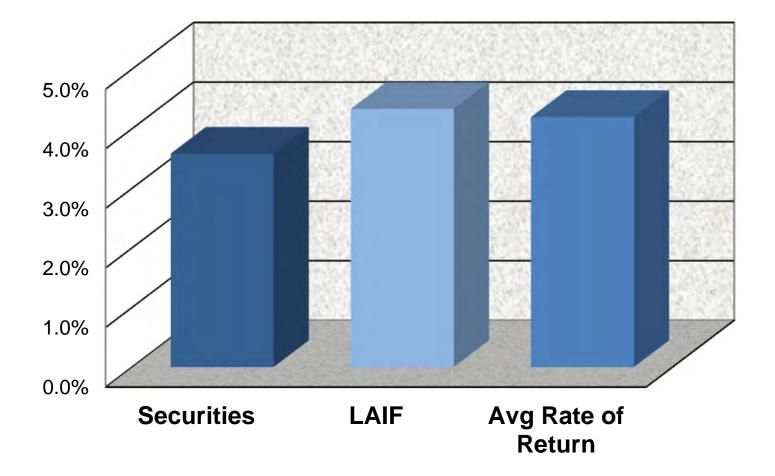
GDB

AEC

= Goldman Sachs Bank

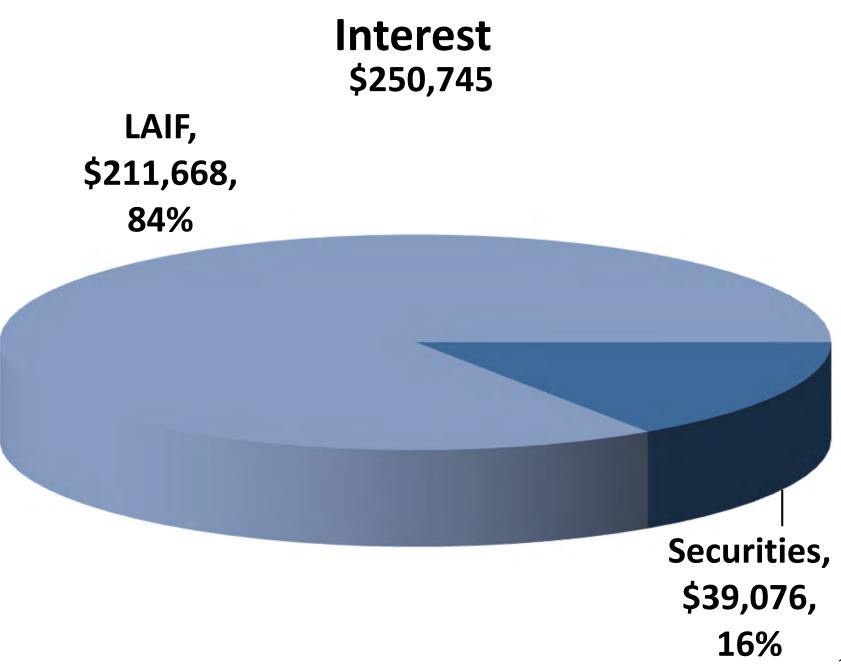
= American Express Centurion

# **Interest Rate Analysis**



# Investments \$77,805,779 Securities, \$14,125,977, 18% LAIF, \$63,679,803, 82%

*Feb'25* 



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# COMMISSION MEMORANDUM NO. 2025.27

DATE:	April 1, 2025
то:	SAWPA Commission
SUBJECT:	Lobby Security Improvements Project Award
PREPARED BY:	David Ruhl, Executive Manager of Engineering and Operations

# RECOMMENDATION

That the Commission:

- 1. Reject the lowest bid from CO Brothers, LLC. as nonresponsive;
- 2. Authorize the General Manager to award a contract for public works construction to the lowest responsive, responsible bidder, Bridgerock Construction, Inc., for the Lobby Security Improvements Project (Project), in an amount not-to-exceed \$552,988;
- 3. Authorize the General Manager to approve Task Order No. GPA100-03 with Gillis + Panichapan Architects (GPa) for services during construction for and amount not-to-exceed \$27,000;
- 4. Authorize the General Manager to approve Task Order No. FALC100-02 with Falcon Engineering Services, Inc. for Construction Management and Inspection Services for an amount not-to-exceed \$142,140; and
- 5. Approve \$594,681 from the Building Reserve Fund, and \$127,447 of interest earnings from the General Fund for construction and inspection support for the Project.

# DISCUSSION

In July 2024, the SAWPA Commission directed staff to issue a Notice Inviting Bids for the lobby security improvements and the ADA upgrades upon completion of the plans and specifications. Final plans and specifications were completed in January 2025. A Notice Inviting bids for construction of the project was posted in Planet Bids on January 30, 2025. A pre-bid meeting was held on February 13, 2025. Construction bids were received and opened on March 13, 2025. The estimate of construction cost is \$604,000. Eight (8) bids were received as follows:

<u>Bidder</u>	<u>Amount</u>
CO Brothers, LLC (nonresponsive)	\$533,564
Bridgerock Construction, Inc.	\$552,988
R. Dependable Construction, Inc.	\$630,000
YMC	\$669,000
Dalke & Sons Construction, Inc.	\$741,490
Marjani Builders, Inc.	\$859,900
US Builders and Consultants, Inc.	\$878,700
MLC Constructors, Inc.	\$957,716

Staff have reviewed the four lowest bids for compliance with the Bid Documents. CO Brothers, LLC submitted the lowest bid. The bid received from CO Brothers, LLC is nonresponse because the bidder's references and qualifications do not meet the

reference requirements and qualifications described in the Bid Documents. The second lowest bid was received from Bridgerock Construction, Inc. SAWPA staff contacted their references and overall received satisfactory remarks. Based on staff's analysis, Bridgerock Construction, Inc. submitted the lowest responsive, responsible bid, and is qualified to perform the work.

# Construction Management Services

The professional services of a Construction Management (CM) firm is necessary to oversee construction activities, and provide inspection to ensure the Lobby Security Improvements and ADA improvements are installed according to the plans and specifications. Staff requested Falcon Engineering prepare a scope of work and budget to provide these services. Falcon provided CM and Inspection Services for SAWPA on two previous projects. Previously, Falcon was selected by SAWPA to provide services for construction of the Agua Mansa Lateral based on their gualifications and later hired for the Building Landscape Improvements Project due to their previous performance on the Agua Mansa Lateral. Falcon's proven performance, gualifications and knowledge of the SAWPA building will provide the most benefit to SAWPA. In addition, the Project is similar to the Landscape project in terms of only part-time CM Services are necessary. During the Landscape project, Falcon was able to manage their resources efficiently thereby reducing their labor hours and costs while providing quality services throughout the project. SAWPA staff have reviewed the attached scope of work and budget and has determined that it is sufficient to meet the needs of the Project.

# Support Services during Construction

In April 2023, SAWPA hired GPa to provide architecture and engineering services for the lobby security improvements. Final plans and specifications were received in January 2025. The attached scope of work from GPa is for support services during construction, including review of contractor request for information (RFI), review of contractor submittals, technical support and preparation of record drawings. Staff have reviewed the proposal and has determined that it is sufficient to meet the needs of a construction job of this size. Because GPa prepared the design drawings and specifications, it is desirable for them to provide the services during construction, as they are the most knowledgeable on the content of the drawings and specifications.

# <u>CEQA</u>

This project is categorically exempt from CEQA under the Public Resources Code Section 15301(a).

#### **RESOURCE IMPACTS**

Funds are available in the Building Reserve Fund (\$594,681) and interest earnings from the General Fund (\$127,447) to cover the construction and construction management costs for the Project. As of January 31, 2025, the Building Reserve fund has \$794,681.

#### Attachments:

- 1. Task Order No. GPA100-03
- 2. Task Order No. FALC100-02
- 3. PowerPoint Presentation



# SANTA ANA WATERSHED PROJECT AUTHORITY TASK ORDER NO. GPA100-03

CONSULTANT:	Gillis & Panichapan Architects, Inc. 2900 Bristol Street, Suite G-205 Costa Mesa, CA 92626	<b>VENDOR NO.:</b> 2276
COST:	\$27,000.00	
PAYMENT:	Upon Receipt of Proper Invoice	
REQUESTED BY:	David Ruhl, Executive Manager of Engineering and Operations	April 1, 2025
FINANCE:	Karen Williams, Deputy GM/CFO Date	
FINANCING SOURC	E: Acct. Coding: 100-00-13100-00 Acct. Description: Assets Clearing	

**COMMISSION AUTHORIZATION REQUIRED FOR THIS TASK ORDER:** YES (X) NO () Authorization: April 1, 2025; CM#2025.27

This Task Order is issued upon approval and acceptance by the Santa Ana Watershed Project Authority (SAWPA) and Gillis & Panichapan Architects, Inc. (Consultant) pursuant to the General Services Agreement between SAWPA and Consultant, entered into on April 19, 2023, expiring December 31, 2026.

# I. PROJECT NAME OR DESCRIPTION

Lobby Security Improvements – Services during Construction

# II. SCOPE OF WORK / TASKS TO BE PERFORMED

Consultant shall provide all labor, materials, and equipment for the Lobby Security Improvement services during construction as listed below (detailed scope of work attached).

- Project Coordination and Meetings.
- Submittal and RFI Review.
- Site Observations and Reports.
- Change Order and Construction Document Support.
- Closeout Services.

# III. PERFORMANCE TIME FRAME

Consultant shall begin work April 1, 2025, and shall complete performance of such services by **June 30, 2026.** 

# IV. SAWPA LIAISON

David Ruhl shall serve as liaison between SAWPA and Consultant.

# V. COMPENSATION

For all services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total not-to-exceed sum of **\$27,000.00**. Payment for such services shall be made monthly upon receipt of timely and proper invoices from Consultant, as required by the above-mentioned Agreement. Each such invoice shall be provided to SAWPA by Consultant within 15 days after the end of the month in which the services were performed.

# VI. CONTRACT DOCUMENTS PRECEDENCE

In the event of a conflict in terms between and among the contract documents herein, the document item highest in precedence shall control. The precedence shall be:

- a. The General Services Agreement by Independent Consultant/Contractor.
- **b.** The Task Order or Orders issued pursuant to the Agreement, in numerical order.
- c. Exhibits attached to each Task Order, which may describe, among other things, the Scope of Work and compensation therefore.
- d. Specifications incorporated by reference.
- e. Drawings incorporated by reference.

In witness whereof, the parties have executed this Task Order on the date indicated below.

# SANTA ANA WATERSHED PROJECT AUTHORITY

Jeffrey J. Mosher, General Manager

Date

# GILLIS & PANICHAPAN ARCHITECTS, INC.

(Signature)

Date

Print/Type Name and Title



March 14, 2025

David P. Ruhl, P.E. Executive Manager of Engineering and Operations Santa Ana Watershed Project Authority Subject: **Proposal for Construction Administration Services – SAWPA Lobby & Restroom Renovation** 

Dear David,

We appreciate the opportunity to continue supporting SAWPA on the Lobby and Restroom Renovation project. This proposal outlines our additional scope of services for Construction Administration (CA) from contract award through project completion, which we anticipate spanning approximately six months.

#### Scope of Construction Administration Services

Our role during the construction phase will include:

- Project Coordination & Meetings
  - o Attendance at construction kickoff and progress meetings (up to four site visits).
  - o Coordination with contractors and SAWPA representatives to resolve field issues.
- Submittal & RFI Review
  - o Review of contractor submittals and shop drawings for conformance with the design intent.
  - o Responses to contractor Requests for Information (RFIs) to clarify design details
- Site Observations & Reports
  - Periodic site visits (up to 4 site visits) to assess work progress and conformance with contract documents.
  - o Documentation of observations, issues, and necessary corrective actions.
- Change Order & Construction Document Support
  - o Review of contractor change order requests related to architectural scope.
  - o Clarifications or minor modifications to issued construction documents as necessary.
- Closeout Services
  - o Punch list walk-through and report preparation.
  - o Final review of contractor closeout documentation.

#### Compensation

We propose to furnish these services and reimbursements for a total not-to-exceed amount of:

#### \$27,000 (Twenty-Seven Thousand dollars)

for Construction Administration services over the anticipated four-month duration. This fee covers the tasks outlined above and ensures continued architectural support through project completion.

Please review the proposal and let us know if any adjustments are needed. We look forward to assisting SAWPA through the construction phase.

Best regards,

Jack Panichapan, AIA, LEED AP, President, CEO Gillis + Panichapan Architects, Inc.



#### ARCHITECT Project Arch Job Captain ARCHITECT Ë SAWPA: Additional Services for Construction Administration Designer Principal Project I Lobby Renovation and Accessibility Improvements (Site and Restrooms) 3/10/2025 **1** Architectural Services a Project Coordination & Meetings - Attend kickoff and progress meetings (up to four site visits); coordinate with 12 8 8 24 \$6,860 contractors and SAWPA representatives to resolve field issues. b Submittal & RFI Review – Review submittals and shop drawings; respond to RFIs to clarify design details... 9 1 12 16 12 \$7.350 c Site Observations & Reports - Conduct periodic site visits; document work progress, issues, and corrective actions. 1 6 6 8 8 \$4,030 d Change Order & Construction Document Support – Review change order requests; provide clarifications or minor 4 2 2 \$2,160 6 modifications to construction documents. e Closeout Services - Conduct punch list walk-through; record drawings, review contractor closeout documentation. 1 8 8 6 \$3,700 TASK 1 TOTAL: 3 42 44 36 43 <u>\$24,100</u>

GRAND TOTAL						<u>\$24,100</u>
Hours:	3	42	44	36	43	168
Hourly rates	\$210	\$185	\$165	\$115	\$100	total hours
TOTAL TASKS				\$24,	100	

Architecture (All Tasks)	\$24,100
Engineering Consultants, Allowances, and Reimbursibles	
Electrical and Civil Allowances for support during Construction	\$2,500
Reimbursibles	\$400
GRAND TOTAL: Architecture and Engineering Total (All Tasks)	\$27,000

\*Reimbursibles: Covers costs for specialty printing, delivery fees, and travel. City Business License fees (if required for the entire A& E Team) This reimbursable allowance covers fees beyond general B&W printing fees on standard ledger or tabloid size paper. Government fees, delivery costs (such as United Parcel Service charges), and the costs of special sized prints/ reproductions are not included in our fee. These items are "reimbursable" items and will be shown separately on our invoice with a 10% coordination fee. 1



2024 Schedule of Rates for Services On-Call Professional Architecture Services

We propose to furnish the services based on the hourly billing rates listed below for the services associated with this project. Often, we propose an "hourly not to exceed" contract at the beginning of our process. Below is a schedule of hourly billing rates.

We tailor our scope and subsequent fee proposals to accommodate the scope of work realizing that there is latitude in both parameters to be discussed during the contract negotiation. These rates we propose will be valid for the contract duration.

#### SCHEDULE OF HOURLY BILLING RATES

Principal	210
Project Director	185
Project Architect	165
Job Captain	115
Designer/ CAD Tech	100
Clerical	80

#### **CONSULTANTS**

When additional consultants (Such as structural, civil, MEP Engineers) are needed, we will be the primary point of contact and the team leader. Our contract will include and convey all consultant fees and contracts as a subcategory of our fee and services.

#### REIMBURSABLES

In our contract we often have a reimbursable allowance. This reimbursable allowance covers fees beyond general B&W printing fees on standard ledger or tabloid size paper. Government fees, delivery costs (such as United Parcel Service charges), and the costs of special sized prints/ reproductions are not included in our fee. These items are "reimbursable" items and will be shown separately on our invoice. Page Intentionally Blank



# SANTA ANA WATERSHED PROJECT AUTHORITY TASK ORDER NO. FALC100-02

CONSULTANT:	Falcon Engineering Services, Inc. 41593 Winchester Road, #120 Temecula, CA 92590	VENDOR NO.: 1669
COST:	\$142,140.00	
PAYMENT:	Upon Receipt of Proper Invoice	
REQUESTED BY:	David Ruhl, Executive Manager of Engineering & Operations	April 1, 2025
FINANCE:	Karen Williams, Deputy GM/CFO Date	
FINANCING SOURC	<b>CE:</b> Acct. Coding: 100-00-13100-00 Acct. Description: Asset Clearing	

**COMMISSION AUTHORIZATION REQUIRED FOR THIS TASK ORDER:** YES (X) NO ( ) Authorization: April 1, 2025; CM#2025.27

This Task Order is issued upon approval and acceptance by the Santa Ana Watershed Project Authority (SAWPA) and Falcon Engineering Services, Inc. (Consultant) pursuant to the General Services Agreement between SAWPA and Consultant, entered into on August 10, 2023, expiring December 31, 2026.

# I. PROJECT NAME OR DESCRIPTION

Lobby Security Improvements Construction Management & Inspection Services

# II. SCOPE OF WORK / TASKS TO BE PERFORMED

Consultant shall provide all labor, materials, and equipment for the Lobby Security Improvements Construction Management and Inspection Services for the Project. The Construction Management office work activities include review of submittals, rfis, potential change orders, schedule, labor compliance, monthly progress estimate, pre-construction meeting attendance. Fieldwork activities include about 4 hours per day inspection with inspection reports. See attached scope fee estimate.

# III. PERFORMANCE TIME FRAME

Consultant shall begin work April 1, 2025, and shall complete performance of such services by **June 30, 2026.** 

# IV. SAWPA LIAISON

David Ruhl shall serve as liaison between SAWPA and Consultant.

#### V. COMPENSATION

For all services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total not-to-exceed sum of **\$142,140.00**. Payment for such services shall be made monthly upon receipt of timely and proper invoices from Consultant, as required by the above-mentioned Agreement. Each such invoice shall be provided to SAWPA by Consultant within 15 days after the end of the month in which the services were performed.

# VI. CONTRACT DOCUMENTS PRECEDENCE

In the event of a conflict in terms between and among the contract documents herein, the document item highest in precedence shall control. The precedence shall be:

- a. The General Services Agreement by Independent Consultant/Consultant.
- **b.** The Task Order or Orders issued pursuant to the Agreement, in numerical order.
- c. Exhibits attached to each Task Order, which may describe, among other things, the Scope of Work and compensation therefore.
- d. Specifications incorporated by reference.
- e. Drawings incorporated by reference.

In witness whereof, the parties have executed this Task Order on the date indicated below.

# SANTA ANA WATERSHED PROJECT AUTHORITY

Jeffrey J. Mosher, General Manager

FALCON ENGINEERING SERVICES, INC.

(Signature)

Date

Date

Print/Type Name and Title

March 18, 2025



# SAWPA Lobby Security Improvements CM Scope of Work & Fees

# **Construction Manager**

Key Responsibilities:

- <u>Monthly/Weekly Reports</u>: Prepare weekly and monthly reports to keep SAWPA updated on the project status.
- <u>Logs</u>: Keep track of all logs related to the various construction activities and requirements.
- <u>Weekly Meetings</u>: Hold weekly progress meeting to discuss progress with the contractor .and keep all stakeholders updated and informed of the status of the project.
- <u>Submittals:</u> Review and address the submittals, as needed.
- <u>**RFI:</u>** Manage and track the contractor RFIs with the architect.</u>
- <u>CCOs:</u> Keep track of any extra work and document and process and change order as needed.
- <u>As-builts:</u> Keep track of all changes and provide redlines for the architect at the end of the project to issue a final as-built.

# **Field Inspector:**

Key Responsibilities:

- <u>Inspection as needed</u>: Perform field inspection on day-to-day basis as per the contractor's schedule.
- <u>Daily report</u>: Prepare a detailed daily report of field inspection to track labor, equipment, quantities and construction progress.
- <u>Progress Photos:</u> Keep photographic documentation of the daily field activities.
- <u>Safety</u>: Enforce all safety measures during construction and make sure the contractor adheres to OSHA regulations.

# **Assumptions:**

- <u>Construction Duration</u>: 160 calendar days.
- <u>Daily inspection</u>: When the contractor is on-site, 1/2 to full day inspection as needed (FALCON assumed 4hrs/day for 5.5 months) (115 WD).
- <u>Construction Manager:</u> 2hrs/day for 5.5 months (115 WD).
- <u>Inspection rate:</u> Prevailing Wage.

# CM Service Fee:

Personnel	Rate (\$/Hr)	# of Hours	TOTAL
Construction Manager	210	230	\$48,300.00
Field Inspector	204	460	\$93,840.00
		TOTAL	\$142,140.00

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# SAWPA Lobby Security Improvements Project

April 1,2025 Item No. 6.A David Ruhl Executive Manager of Engineering and Operations



SANTA ANA WATERSHED PROJECT AUTHORITY



# Recommendation

- Reject the lowest bid from CO Brother's Inc. as nonresponsive;
- Authorize the GM to award a contract for public works construction to the lowest responsive, responsible bidder, Bridgerock Construction Inc., for the Lobby Security Improvements Project (Project), in an amount notto-exceed \$552,988;
- Authorize the GM to approve TO GPA100-03 with Gillis + Panichapan • Architects for services during construction for and amount not-to-exceed \$27,000;
- Authorize the GM to approve TO FALC100-02 with Falcon Engineering • Services for Construction Management and Inspection Services for an amount not-to-exceed \$142,140; and
- Approve \$594,681 from the Building Reserve Fund, and \$127,447 of • interest earnings from the General Fund for construction and inspection support for the Project.

# Lobby Security Improvements

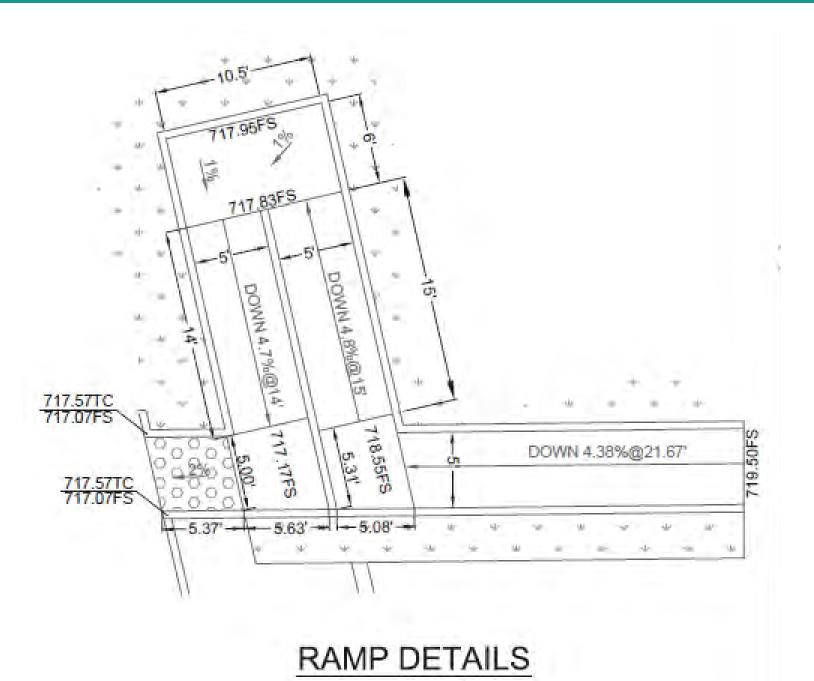
- Harden the entrance to add a layer of security
- Maintain open lobby during business hours
- Improve functionality and appearance of reception work area
- Provide exterior and interior ADA Upgrades



# 2 | Commission Meeting

# **Exterior and Interior ADA Improvements**

- Exterior ADA Compliant Ramp
  - Provides path of travel
  - Adds a ramp from the ADA parking
  - Preserves 2/3 of the exterior concrete area
- Interior ADA Compliant Restrooms



SCALE: 1"=5"

3 | Commission Meeting

## Summary of Bids

Bids Received March 13<sup>th</sup> 

Bidder

- CO Brothers LLC. (nonresponsive)
- **Bridgerock Construction, Inc.**
- R. Dependable Construction, Inc.
- YMC
- Dalke & Sons Construction, Inc.
- Marjani Builders, Inc.
- US Builders and Consultants, Inc
- MLC Constructors, Inc.
- Estimate of Construction Costs

**Bid Amount** 

\$533,564 \$552,988 \$630,000 \$669,000 \$741,490 \$859,900 \$878,700 \$957,716

\$604,000

## **Bid Analysis and Recommended Award**

**Bid Analysis** 

- Bid reviewed for compliance with the Bid Documents
- Lowest bidder CO Brother's is nonresponsive
- 2<sup>nd</sup> Lowest Bid received from Bridgerock Construction Inc.
  - Qualified to perform the work
  - **References contacts**
- Bridgerock submitted the lowest, responsive, responsible bid (award recommended)



## Services during Construction

- Construction Management and Inspection Services Falcon Engineering
  - Proven performance and qualifications
    - Agua Mansa Lateral
    - Landscape Improvements
- Engineering Support Services Gillis + Panichapan
  - Prepared drawings and specifications for Project

**Commission Meeting** 6

## Project Cost and Funding

### Project Cost

• Construction and Support

### Funding

- Building Reserve Fund
- Interest Earnings from the General Fund

### \$722,128

\$594,681 <u>\$127,447</u> \$722,128

## Recommendation

- Reject the lowest bid from CO Brother's Inc. as nonresponsive;
- Authorize the GM to award a contract for public works construction to the lowest responsive, responsible bidder, Bridgerock Construction Inc., for the Lobby Security Improvements Project (Project), in an amount notto-exceed \$552,988;
- Authorize the GM to approve TO GPA100-03 with Gillis + Panichapan Architects for services during construction for and amount not-to-exceed \$27,000;
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- Approve \$594,681 from the Building Reserve Fund, and \$127,447 of interest earnings from the General Fund for construction and inspection support for the Project.

Questions?

# **Thank You**

David Ruhl Santa Ana Watershed Project Authority Office (951) 354-4220 druhl@sawpa.org sawpa.org





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#### **COMMISSION MEMORANDUM NO. 2025.28**

DATE:	April 1, 2025
то:	SAWPA Commission
SUBJECT:	Approval of Consultant Contract with Water Systems Consulting, Inc. for Monitoring Plan - Santa Ana River Reach 3 Total Dissolved Solids Special Study
PREPARED BY:	Rachel Gray, Water Resources & Planning Manager

#### RECOMMENDATION

It is recommended that the Commission authorize the General Manager, or his designee, to execute the following to implement the Monitoring Plan for the Santa Ana River Reach 3 Total Dissolved Solids Special Study:

- 1. General Services Agreement with Water Systems Consulting, Inc. (WSC); and
- 2. Task Order No. WSC374-02 for an amount not to exceed \$159,602.

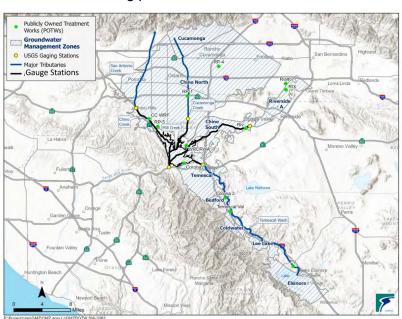
#### DISCUSSION

SAWPA has served as the Basin Monitoring Program Task Force (Task Force) administrator since the Commission's approval of the August 2004 Task Force agreement. The Task Force members will often request that SAWPA issue requests for proposals (RFPs) and serve as the project manager of consultants on behalf of the Task Force. The Task Force includes 20 water agency members as well as the non-funding partner the Santa Ana Regional Water Board (Regional Board). The SAWPA Commission approved to release the RFP for the Monitoring Plan - Santa Ana River Reach 3 Total Dissolved Solids (TDS) Special Study (Special Study) on November 19, 2025.

The goal of the Special Study is to produce a monitoring plan that identifies what metrics to

monitor for related to the following question - why there are fluctuating TDS concentrations during baseflow conditions at the downstream terminus of the Santa Ana River Reach 3 area of interest (AOI). The monitoring plan is necessary because TDS is fluctuating around the antidegradation objective of 700 mg/L for Reach 3.

By the RFP deadline of February 6, 2025 four submittals were received. The four firms that proposed are:



• CWE Corp.,

- Kinnetic Environmental, Inc,
- West Yost Associates, and
- Water Systems Consulting (WSC).

The Task Force's scoping committee, which is composed of various agencies that volunteer to vet RFPs and consultant proposals, scored the four firms using the RFP's selection criteria. After the initial scoring, the top two scoring firms were interviewed. After the interviews, the scoping committee re-scored the top two proposals. The scoping committee recommended the top scoring firm, WSC, to the full Task Force, and the Task Force subsequently approved moving forward with WSC.

The scores of the four firms before the interviews are provided in the table below:

WSC	Firm A	Firm B	Firm C		
163.45	114.73	128.36	163.82		

The scores of the top two firms after the interviews are as follows:

WSC	Firm C
127.7	124.2

The specific ratings of the other firms are kept confidential and coded as the three other firms in the tables.

WSC has several requested changes to the SAWPA General Services Agreement (GSA). These changes are related to the:

- Waiver of Subrogation
- General Liability Policy, as well as SAWPA and Consultant Liabilities in general
- Verification of Coverage
- Miscellaneous provisions related to completing the work expeditiously

Legal counsel has reviewed these changes.

#### BACKGROUND

The Water Quality Control Plan for the Santa Ana Basin (Basin Plan) contains the Regional Board's policies for managing the Santa Ana River Basin's water quality. The Basin Plan includes the water quality standards (antidegradation objectives, beneficial uses, and anti-degradation policy), regionally important water quality management and improvement initiatives, policies and practices for implementing water quality standards, and implementation plans. The Santa Ana River Reach 3 TDS surface antidegradation objective is 700 mg/L as defined in the Basin Plan. The metric for this compliance, is "annual average of all grab samples collected during base flow conditions" at the downstream end of the reach. Santa Ana River Reach 3 is described in the Basin Plan as Mission Boulevard in the City of Riverside area to Prado Dam.

The impetus for the Monitoring Plan is the first recent Santa Ana River Reach 3 excursion of TDS over 700 mg/L that occurred in 2013. This excursion was reported in the 2013 Annual

Report of Santa Ana River Water Quality. There have been several excursions over 700 mg/L since 2013, as reported in the Annual Reports. Sound science is needed to understand the fluctuating TDS levels at the downstream end of Reach 3 (i.e. below Prado Dam). The Integrated Report, which is required by the federal Clean Water Act, is released periodically and includes an impaired water bodies list (also known as the 303(d) list). Placing a waterbody on the Integrated Report's 303(d) list initiates the prioritization of Total Maximum Daily Load development, or another alternative restoration project, to restore and maintain water quality standards. The State Water Board leads the Integrated Report data collection effort, which will likely occur next for the Santa Ana Basin in the middle of 2026.

The objectives and deliverables for this Project include the following:

• Develop a **monitoring plan** to help guide the Task Force on what to monitor to answer the question –

Why there are fluctuating TDS concentrations during baseflow conditions at the downstream terminus of the Santa Ana River Reach 3?

• The monitoring plan will include **what** items should be monitored, and what their **costs** are.

#### **CRITICAL SUCCESS FACTORS**

- Goals, scope, costs, resources, timelines, and the contract term are approved by the Commission before executing an agreement to participate in a roundtable group.
- Report and use results of roundtable's work, leverage information and involvement for the benefit of SAWPA, its members, and other stakeholders.

#### **RESOURCE IMPACTS**.

Funding for development of the RFP, SAWPA's project management, and a Consultant contract with WSC are funded by the Task Force annual participation fees from the twenty water agency Task Force members.

Attachments:

- 1. WSC Task Order No. WSC374-02
- 2. WSC General Services Agreement with Requested Changes
- 3. WSC RFP Proposal
- 4. PowerPoint Presentation

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#### SANTA ANA WATERSHED PROJECT AUTHORITY TASK ORDER NO. WSC374-02

CONSULTANT:	Water Systems Consulting, Inc. 25201 Paseo De Alicia, Suite 290 Laguna Hills, CA 92653	<b>VENDOR NO.:</b> 2219
COST:	\$159,602.00	
PAYMENT:	Upon Receipt of Proper Invoice	
<b>REQUESTED BY:</b>	Ian Achimore, Senior Watershed I	Manager April 1, 2025
FINANCE:	Karen Williams, Deputy GM/CFO	Date
FINANCING SOURC		BASIN-60121-01 eral Consulting

#### **COMMITTEE AUTHORIZATION REQUIRED FOR THIS TASK ORDER:** YES (X) NO () Authorization: April 1, 2025; CM#2025.28

This Task Order is issued upon approval and acceptance by the Santa Ana Watershed Project Authority (SAWPA) and Water Systems Consulting, Inc. (Consultant) pursuant to the General Services Agreement between SAWPA and Consultant, entered into on April 1, 2025, expiring December 31, 2028.

#### I. PROJECT NAME OR DESCRIPTION

Monitoring Plan – Special Study of TDS for Santa Ana River Reach 3

#### II. SCOPE OF WORK / TASKS TO BE PERFORMED

Consultant shall provide all labor, materials, and equipment for the Monitoring Plan – Special Study of TDS for Santa Ana River Reach 3 as described in the attached scope of work and fee schedule.

#### **III. PERFORMANCE TIME FRAME**

Consultant shall begin work April 1, 2025, and shall complete performance of such services by **February 28, 2026.** 

#### **IV. SAWPA LIAISON**

Ian Achimore shall serve as liaison between SAWPA and Consultant.

#### V. COMPENSATION

For all services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total not-to-exceed sum of **\$159,602.00**. Payment for such services shall be made monthly upon receipt of timely and proper invoices from Consultant, as required by the above-mentioned Agreement. Each such invoice shall be provided to SAWPA by Consultant within 15 days after the end of the month in which the services were performed. All such invoices shall be sent via-email to <u>Apinvoices@sawpa.gov</u>, or as otherwise directed in writing by SAWPA.

#### VI. CONTRACT DOCUMENTS PRECEDENCE

In the event of a conflict in terms between and among the contract documents herein, the document item highest in precedence shall control. The precedence shall be:

- a. The General Services Agreement by Independent Consultant/Consultant.
- **b.** The Task Order or Orders issued pursuant to the Agreement, in numerical order.
- c. Exhibits attached to each Task Order, which may describe, among other things, the Scope of Work and compensation therefore.
- d. Specifications incorporated by reference.
- e. Drawings incorporated by reference.

In witness whereof, the parties have executed this Task Order on the date indicated below.

#### SANTA ANA WATERSHED PROJECT AUTHORITY

Jeffrey J. Mosher, General Manager

WATER SYSTEMS CONSULTING, INC.

(Signature)

Date

Date

Print/Type Name and Title

#### Purpose of Scope of Work

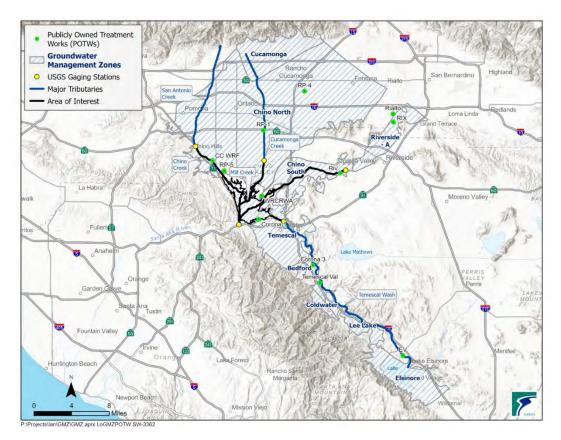
The work will be performed under the supervision of the BMP Task Force, which includes 20 water agencies and staff from the Santa Ana Regional Water Quality Control Board (Santa Ana Water Board), in a collaborative effort organized by SAWPA. The primary objectives of this scope of work are:

Understand why there are fluctuating Total Dissolved Solids (TDS) concentrations during baseflow conditions at the downstream terminus of the Santa Ana River Reach 3 area of interest (AOI). Definitions for the major terms used in this purpose are:

- 1. The "downstream terminus" is the US Geological Survey (USGS) stream gage station 11074000 named "Santa Ana River below Prado Dam."
- 2. "Baseflow conditions" in this scope is defined under two conditions:
  - Definition A: When all of the following occur: 1) No precipitation events in the last four days; 2) no OC-59 discharges within the last four days; 3) surface water elevation of the conservation pool behind Prado Dam is at or below the level that the Army Corps of Engineers considers empty; and, 4) is between the period of April 1 through October 30 of each year."
  - Definition B: August and September of each year and there are no precipitation events in the last four days.

This scope is necessary because TDS is fluctuating around the antidegradation objective of 700 milligrams per liter (mg/L) for Reach 3.

The AOI for this scope of work is a portion of the Santa Ana River Reach 3, as well as various tributaries that connect to Reach 3 which have USGS stations for tracking streamflow. Santa Ana River Reach 3 is described in the Basin Plan as "Prado Dam to Mission Boulevard in [the City of] Riverside." Notably, the AOI for this scope of work starts downstream of Mission Boulevard at the Riverside Narrows where there is a USGS stream gage station 11066460 named "Santa Ana River at MWD Crossing." The AOI extends downstream to the next USGS stream gage just below the Prado Dam outlet works, Station 11074000 named "Santa Ana River below Prado Dam." The AOI also includes several Santa Ana River Reach 3 tributaries that have USGS stream gage stations. Those tributaries are Temescal Wash, Chino Creek, and Cucamonga/Mill Creek. The full extent of these tributaries are not in the AOI, just segments that start from their respective USGS stations that monitor streamflow to their connection with Santa Ana River Reach 3. This description of the AOI is purposeful in order to have actual streamflow measurements at the upstream and downstream extents of the AOI. These boundary extents (i.e. USGS stream stations) are shown in Figure 1.



#### Figure 1: Map of AOI

### Task 1Update Mass-Balance Calculation for BaseflowConditions

Update the mass-balance calculations for TDS concentrations in Reach 3 of the Santa Ana River using the 2015 study spreadsheet as a baseline and applying the updated baseflow definitions. The analysis will provide insights into flow rates and TDS quality under new conditions and incorporate additional data sources to refine results.

WSC will utilize available data to update the mass-balance calculations for TDS concentrations in Reach 3 of the Santa Ana River over the period of 2017–2024, applying the two baseflow definitions.

#### 1.1 Review Existing Data and Definitions

 Review the February 2015 study "Investigation and Characterization of the Cause(s) of Recent Exceedances of the TDS Concentration Objective for Reach 3 of the Santa Ana River."

- Understand the existing mass-balance spreadsheet, including data sources, calculation methods, and assumptions.
- Apply the two baseflow definitions:
  - Definition A: Baseflow conditions when specific hydrological and operational criteria are met.
  - Definition B: Baseflow conditions limited to August and September with no
    precipitation events in the last four days.

#### **1.2 Data Collection and Validation**

- Obtain flow and TDS concentration data for the years 2017–2024.
- Identify and integrate additional or updated data sources that could influence baseflow TDS concentrations.
- Validate the dataset prior to completing the calculations (modeled-generated "data" will not be used).

#### **1.3 Mass-balance Calculations**

- Update mass-balance calculations for both baseflow condition definitions (A and B).
- Summarize the rates of inflows and outflows for the AOI in cubic feet per second (cfs).
- Compute TDS concentrations for each year under the baseflow definitions.
- Document formulas and methodologies in the updated spreadsheet.

#### 1.4 Technical Memorandum

- Summarize the results of mass-balance calculations, including:
  - Flow rates (inflows and outflows).
  - TDS concentrations.
  - Identification of any trends or anomalies during the 2017–2024 period.
- Discuss the impact of new or additional data sources on the mass-balance results.
- Highlight any limitations or uncertainties in the data or calculations.
- Present the draft technical memorandum to the BMP Scoping Committee, the Regulatory Strategist Consultant, and SAWPA.
- Incorporate comments and feedback to update the draft technical memorandum and deliver to the BMP Scoping Committee for review.
- Present the updated draft technical memorandum to the entire BMP Task Force.
- Incorporate any additional comments and recommendations to finalize the technical memorandum.
- Prepare an appendix summarizing all responses-to-comments.

#### **Deliverables:** Draft Technical Memorandum

(1) Updated mass-balance results for both baseflow definitions, key findings, and potential impacts of new data sources, and spreadsheet with formulas used in the

mass-balance calculations provided as a draft technical memorandum to BMP Scoping Committee, SAWPA, and Regulatory Strategy Consultant.

(2) Updated technical memorandum to the BMP Scoping Committee and BMP Task Force based on comments received from BMP Scoping Committee, SAWPA, and Regulatory Strategy Consultant.

#### **Deliverables:** Final Technical Memorandum

(1) Updated mass-balance calculations with appendix for responses-to-comments provided as a final Technical Memorandum to entire BMP Task Force.

#### **Assumptions:**

- (1) WSC will rely exclusively on measured data and will not include model-generated data in the calculations.
- (2) Additional data sources beyond those in Table 3 of the 2015 study or the 2020 Waste Load Allocation Model (WLAM) will be limited to publicly available datasets or those provided by relevant agencies.
- (3) This scope does not include field sampling, data collection, or new modeling efforts.
- (4) Up to five meetings, held virtually, will occur with the BMP Scoping Committee, SAWPA, and Regulatory Strategy Consultant throughout the development of the technical memorandum.

#### Task 2Coordination with Groundwater Managers

WSC will coordinate with groundwater managers in the Reach 3 area, evaluate their ongoing and planned efforts related to data collection, and determine how these efforts align with the goals of addressing fluctuating TDS concentrations during baseflow conditions at the downstream terminus of the AOI.

The objective of this task is to understand the planned groundwater monitoring efforts in the Reach 3 area and assess how these efforts can support the purpose of identifying and addressing TDS data gaps.

#### 2.1 Existing Documents and Framework

- Review of the October 2023 Groundwater Data Gap Framework submitted by the BMP Task Force.
- Review the 2022 Groundwater Sustainability Plan from the Temescal Basin Groundwater Sustainability Agency (GSA).
- Review Figure 18 of the 2020 WLAM Summary Report, focusing on rising groundwater areas.

#### 2.2 Engage with Groundwater Managers

- Coordinate with agencies involved in the Riverside-A Groundwater Management Zone, the Chino-South Groundwater Management Zone, and the Temescal Basin GSA to discuss their ongoing/planned monitoring efforts.
- Questions to address:
  - Are there planned activities to monitor groundwater in or near rising groundwater areas shown in Figure 18 of the 2020 WLAM Summary Report?
  - If yes, can these plans be utilized to achieve the purpose of this scope (i.e., understanding TDS fluctuations during baseflow conditions)?
  - What years will data be available to implement this scope?
  - Do they have indications of TDS concentrations in rising groundwater areas?
- Identify and reach out to agencies in the Santa Ana River Watershed that may not be one of the entities in Reach 3 area that are evaluating potential groundwater data gaps but could have relevant data or planned efforts.
- Ask the same set of questions as above to these additional agencies.

#### 2.3 Memorandum

- Compile findings from agency coordination, including the potential for leveraging planned monitoring efforts, available data timelines, and indications of TDS concentrations.
- Summarize findings from coordination with groundwater managers in a draft memorandum.
- Highlight opportunities and challenges in utilizing existing or planned efforts to meet the objectives of the scope.
- Present the draft memorandum to the BMP Scoping Committee, the Regulatory Strategist Consultant, and SAWPA.
- Incorporate comments to update the draft memorandum and deliver to the BMP Scoping Committee for review.
- Present the updated draft memorandum to the entire BMP Task Force.
- Incorporate all comments for the final memorandum.

#### Deliverables: Draft Memorandum

- (1) Detailed summary of findings from coordination with groundwater managers.
- (2) Includes responses to the key questions outlined in Task 2.2.
- (3) Provide draft for BMP Task Force Scoping Committee, SAWPA and Regulatory Strategy Consultant for initial review.
- (4) Provide updated draft to the BMP Scoping Committee and entire BMP Task Force based on comments received from BMP Task Force Scoping Committee, SAWPA and the BMP Task Force's Regulatory Strategy Consultant.

#### Deliverables: Final Memorandum

(1) Provide final version to entire BMP Task Force.

#### **Assumptions:**

- (1) WSC will rely on responses provided by agencies and will not conduct independent field investigations as part of this task.
- (2) Coordination efforts are limited to agencies identified in the November 19, 2024 Request for Proposal's Table 4\* (referenced on last page of Scope of Work) and additional agencies in the Santa Ana River Watershed deemed relevant to the scope.
- (3) Gaps in agency responses or data availability will be documented in the memorandum.
- (4) Up to four meetings, held virtually, will occur with the BMP Scoping Committee, SAWPA, and Regulatory Strategy Consultant throughout the development memorandum.

#### Task 3 Monitoring Plan

WSC will analyze the 2020 WLAM Update Summary Report, with a focus on groundwater data gaps and surface/groundwater interactions. WSC will design and deliver a comprehensive monitoring plan to address TDS fluctuations in Reach 3 of the Santa Ana River and its tributaries, as well as provide cost estimates for implementing the plan.

#### 3.1 Review and Analysis of Existing Data

Analyze relevant sections of the 2020 WLAM Update Summary Report to identify data gaps and surface/groundwater interaction challenges.

- Review the 2020 WLAM Update Summary Report.
  - Focus on sections addressing groundwater data gaps and surface/groundwater interactions.
- Identify key sources of TDS in Reach 3 and its tributaries.
- Assess the existing data framework and highlight deficiencies in monitoring practices.

**Deliverables:** Summary of key findings on groundwater data gaps and surface/groundwater interactions (to be integrated into the draft technical memorandum).

#### 3.2 Development of Monitoring Plan

Design a three-year monitoring plan to address TDS data gaps and provide actionable insights for mitigating fluctuating/increasing TDS concentrations.

- Monitoring Framework Design.
  - Define data collection categories (e.g., surface water sampling, groundwater monitoring, hydrologic flow data).
  - Specify parameters to be measured (e.g., TDS levels, flow rates, water quality constituents).

- Implementation Plan.
  - Identify monitoring locations within Reach 3 and tributaries.
  - Recommend sampling frequency and duration over a three-year period.
- Cost Estimation.
  - Develop cost estimates for annual data collection, segmented by data categories (e.g., surface water sampling, groundwater monitoring).
- Draft Technical Memorandum (Monitoring Plan) Preparation.
  - Summarize findings and recommendations in a draft technical memorandum.
  - Includes the proposed monitoring framework, data collection plan, and cost estimates.
  - Justifies the need and value of each proposed data collection method.

#### 3.3 Stakeholder Review and Finalization

Refine and finalize the monitoring plan based on feedback from the BMP Task Force.

- Present the draft technical memorandum to the BMP Scoping Committee Task Force, SAWPA, and Regulatory Strategy Consultant.
  - Explain the value and rationale for each data collection method.
  - Facilitate discussions to gather feedback and direction from stakeholders.
- Using feedback provided, update and present the draft technical memorandum to the entire BMP Task Force.
  - Explain the value and rationale for each data collection method.
  - Facilitate discussions to gather feedback and direction from stakeholders.
- Prepare the final technical memorandum for the monitoring plan.
  - Incorporate BMP Task Force feedback and include an appendix with responsesto-comments.

#### **Deliverables:** Draft Technical Memorandum

- (1) Monitoring Plan and Cost Estimates provided as draft to BMP Scoping Committee, SAWPA and Regulatory Strategy Consultant.
- (2) Updated draft Monitoring Plan and Cost Estimates to the BMP Scoping Committee and entire BMP Task Force based on comments received from BMP Scoping Committee, SAWPA, and Regulatory Strategy Consultant.

#### **Deliverables:** Final Technical Memorandum

(1) Monitoring Plan and Cost Estimates with appendix for responses-to-comments provided as a final version to entire BMP Task Force.

#### **Assumptions:**

(1) WSC will not conduct fieldwork during this task for development of a monitoring plan.

- (2) Up to five meetings, held virtually, will occur with the BMP Scoping Committee, SAWPA, and Regulatory Strategy Consultant throughout the development of the Monitoring Plan and Cost Estimates.
- (3) Presentations to the entire BMP Task Force are limited to the draft technical memorandum review meeting.
- (4) Costs related to implementing the monitoring plan (e.g., equipment purchase, personnel training) are beyond the scope of this task.

#### Task 4Task Force Project Management

This scope outlines WSC's responsibilities in project management, coordination, and deliverable preparation to support the implementation of Tasks 1, 2, and 3 under the BMP Task Force Scope of Work. Key efforts include regular coordination with SAWPA, the BMP Task Force, the Task Force's Scoping Committee for review of first draft of major documents and other stakeholders, facilitation of project meetings, and preparation of technical deliverables and progress reports.

The objectives for this task are to:

- Facilitate communication and collaboration between the Consultant, SAWPA, BMP Task Force members, and other stakeholders.
- Maintain that all deliverables for Tasks 1, 2, and 3 are prepared, reviewed, and submitted on schedule.
- Provide periodic updates and presentations to the BMP Task Force, including the Scoping Committee, to support decision-making and ensure project progress.

#### 4.1 Project Kick-Off and Initial Coordination

- Assign a Project Director to act as the main point of contact for the duration of the project.
- Conduct a project Kick-off meeting within two weeks of Task Order execution with SAWPA, the Scoping Committee, and Regulatory Strategy Consultant.
- Review and address questions related to the project scope, deliverables, and timelines.
- Develop a detailed work plan and timeline based on the reviewed scope.

#### 4.2 Monthly Coordination Meetings

- Schedule and attend monthly BMP Task Force meetings (assume up to 12 meetings total).
- Facilitate two in-person meetings per year, with remaining meetings attended virtually via Zoom.
- Prepare and provide meeting materials, including:
  - Agendas.
  - Meeting notes summarizing key discussions and action items.

- PowerPoint presentations highlighting project progress, findings, and recommendations.
- Collaborate with SAWPA for distribution of meeting materials in advance.

#### 4.3 Stakeholder Engagement and Monitoring Coordination

- Coordinate with:
  - SAWPA staff.
  - Members of the BMP Task Force, particularly the Task Force's Scoping Committee for review of first draft of major documents.
  - Other consultants under contract to the BMP Task Force, including the Regulatory Strategy Consultant.
  - University partners and graduate students involved in data collection efforts along Reach 3.
- Assess how external monitoring efforts may contribute to or enhance this scope of work.

### 4.4 Ongoing Coordination with SAWPA, BMP Scoping Committee, and Regulatory Strategy Consultant

- Participate in periodic coordination meetings with SAWPA, BMP Scoping Committee, and Regulatory Strategy Consultant Theresa "Tess" Dunham to ensure alignment of project activities and milestones (assumes up to 14 meetings total, held virtually).
- Address questions and provide updates in preparation for important BMP Task Force meetings.

#### 4.5 Administrative Actions

- Oversee the preparation, review, and submission of all project deliverables for Tasks 1, 2, and 3:
  - Draft and Final Technical Memoranda for Tasks 1 and 3.
  - Draft and Final Memorandum for Task 2.
- Prepare and submit additional deliverables as required, including:
  - Meeting notes and summaries.
  - PowerPoint presentations.
  - Monthly progress reports summarizing key activities, milestones, and upcoming tasks.
  - Invoices detailing time and cost allocations by task. As well as:
    - Performance accomplished in invoice period,
    - Issues encountered (if any) in invoice period, and
    - Activities planned for next invoice period.

#### Deliverables: Meeting Materials

- (1) Agendas, meeting notes, and PowerPoint presentations for approximately 12 BMP Task Force meetings.
- (2) Advance distribution of materials to SAWPA for circulation to BMP Task Force members.

**Deliverables:** Invoices & Progress Reports

- (1) Itemized invoices for project activities, submitted monthly or as required.
- (2) Monthly progress reports summarizing activities, milestones, and costs.

#### **Assumptions:**

- (1) Meeting schedules will be agreed upon during the Kick-off meeting, with adjustments made based on project needs.
- (2) WSC will rely on SAWPA for distribution of meeting materials.
- (3) University and graduate student data collection efforts will be limited to information shared with WSC by SAWPA and/or Task Force members.

\*From RFP Table 4

Groundwater Manager Effort	Effort Description	Agencies Involved
Riverside-A Groundwater Management Zone	Groundwater managers are evaluating two potential groundwater data in Riverside-A to comply with the <u>October 2023 Final Data</u> <u>Gap Framework</u> .	City of Colton City of Rialto City of Riverside City of San Bernardino
Chino-South Groundwater Management Zone	Groundwater managers are evaluating two potential groundwater data in Chino- South to comply with the <u>October 2023 Final Data Gap</u> <u>Framework</u> .	Chino Basin Watermaster Inland Empire Utilities Agency Jurupa Community Services District
Temescal Basin Groundwater Sustainability Agency	Data Gaps described on page 7-11 of their <u>Groundwater Sustainability</u> <u>Plan</u> .	City of Corona City of Norco Home Gardens County Water District

Fee Schedule
Monitoring Plan - Special Study of Total Dissolved Solids for Santa Ana River Reach 3

Task					WSC	Earth Forensics		ALL FIRMS				
No.	Task Description	L	WSC Labor Fee		Expenses		WSC Fee		Labor Fee		Total Fee	
	Billing rates, \$/hr											
1	Update Mass-Balance Calculation for Baseflow Conditions											
1.1	Review Existing Data & Definitions	\$	3,016	\$	-	\$	3,016	\$	-	\$	3,016	
1.2	Data Collection and Validation	\$	6,114	\$	-	\$	6,114	\$	-	\$	6,114	
1.3	Mass-Balance Calculations	\$	8,438	\$	-	\$	8,438	\$	-	\$	8,438	
1.4	Technical Memorandum	\$	22,982	\$	-	\$	22,982	\$	-	\$	22,982	
	SUBTOTAL	\$	40,550	\$	-	\$	40,550	\$	-	\$	40,550	
2	Coordination with Groundwater Managers											
2.1	Existing Documents and Framework	\$	7,290	\$	-	\$	7,290	\$	-	\$	7,290	
2.2	Engage with Groundwater Managers	\$	9,376	\$	-	\$	9,376	\$	-	\$	9,376	
2.3	Memorandum	\$	12,834	\$	-	\$	12,834	\$	-	\$	12,834	
	SUBTOTAL	\$	29,500	\$	-	\$	29,500	\$	-	\$	29,500	
3	Monitoring Plan											
3.1	Review and Analysis of Existing Data	\$	6,008	\$	-	\$	6,008	\$	-	\$	6,008	
3.2	Development of Monitoring Plan	\$	18,150	\$	-	\$	18,150	\$	3,450	\$	21,600	
3.3	Stakeholder Review and Finalization	\$	9,276	\$	-	\$	9,276	\$	1,035	\$	10,311	
	SUBTOTAL	\$	33,434	\$	-	\$	33,434	\$	4,485	\$	37,919	
4	Task Force Project Management											
4.1	Project Kick-Off and Initial Coordination	\$	7,988	\$	100	\$	8,088	\$	1,380	\$	9,468	
4.2	Monthly Coordination Meetings	\$	12,720	\$	200	\$	12,920	\$	-	\$	12,920	
4.3	Stakeholder Engagement and Monitoring Coordination	\$	6,484	\$	-	\$	6,484	\$	2,300	\$	8,784	
4.4	Ongoing Coordination with SAWPA, BMP Scoping Committee & Regulatory Strategy Consultant	\$	9,626	\$	-	\$	9,626	\$	1,035	\$	10,661	
4.5	Administrative Actions	\$	9,800	\$	-	\$	9,800	\$	-	\$	9,800	
	SUBTOTAL	\$	46,618	\$	300	\$	46,918	\$	4,715	\$	51,633	
	COLUMN TOTALS	\$	150,102	\$	300	\$	150,402	\$	9,200	\$	159,602	

10% mark-up on direct expenses; 15% mark-up for sub-contracted services

Standard mileage rate \$0.700 per mile (or current Federal Mileage Reimbursement Rate)

C	Task Name	Duration	Start	Finish	Feb	Mar	Qtr 2,	2025 Apr	May		Jun	Qtr 3,	2025 Jul		Aug		Sep	Qtr 4, 2025 Oct	
1	Update Mass Balance Calculations	110 days	Mon 4/21/25	Fri 9/19/25															
2	Review Documents	6 days	Mon 4/21/25	Mon 4/28/25															
3	Collect Data	20 days	Mon 4/28/25	Fri 5/23/25															
4	Mass Balance Calculations	40 days	Mon 5/26/25	Fri 7/18/25															
5	Technical Memorandum	50 days	Mon 7/14/25	Fri 9/19/25															
6	Coordination with Groundwater Managers	70 days	Mon 6/9/25	Fri 9/12/25													1		
7	Review Documents	10 days	Mon 6/9/25	Fri 6/20/25															
8	Engagements	35 days	Mon 6/9/25	Fri 7/25/25	-														
9	Memorandum	45 days	Mon 7/14/25	Fri 9/12/25															
10	Monitoring Plan	115 days	Mon 8/11/25	Fri 1/16/26										1					
11	Review Documents	15 days	Mon 8/11/25	Fri 8/29/25										1					
12	Develop Draft Plan	62 days	Mon 9/1/25	Tue 11/25/25															
13	Review & Finalize Plan	35 days	Mon 12/1/25	Fri 1/16/26															
14	Project Management	216 days	Mon 4/21/25	Mon 2/16/26															
15	Kick-Off & Initial Coordination	30 days	Mon 4/21/25	Fri 5/30/25															
16	Monthly Meetings	176 days	Mon 5/5/25	Mon 1/5/26		3/	19	4/16	- E	5/21	6/	18	7/1	6	8/	/20	9/1	′ 👖 10	)/15
26	Stakeholder Engagement & Monitoring Coordination	145 days	Mon 4/14/25	Fri 10/31/25															
27	Coordination with SAWPA, BMP Scoping Committee & Regulatory Strategist	185 days	Mon 5/5/25	Fri 1/16/26				I											
28	Administrative Actions	216 days	Mon 4/21/25	Mon 2/16/26															

Page 1	
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		Qtr 1, 2026		
Nov	Dec	Jan	Feb	Mar
Nov	Dec	Jan	Feb	Mar
15 11/	19			
Deadline rogress Manual Progress	+			



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

This Agreement is made this \_\_\_\_ day of \_\_\_\_, **20\_\_** by and between the Santa Ana Watershed Project Authority ("SAWPA") located at 11615 Sterling Ave., Riverside, California, 92503 and \_\_\_\_\_ ("Consultant") whose address is \_\_\_\_\_.

#### **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, 20\_\_**, 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.
- 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 appropriates 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.
- 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, designated 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 <u>Additional</u> insured status <u>on the General Liability</u> (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 <u>General Liability</u> 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 <u>30 days</u>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 65

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 <u>caused by</u>, or resulting from, or claimed to have beento the extent caused by or resulting from, any negligence, recklessness, or willful misconduct of Consultant. To the extent permitted by law, Consultant shall hold harmless, defend (except for professional liability and workers comp claims) 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 allto the extent caused by the negligent acts or omissions of Consultant or its officers, designated 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. Consultant shall not be required to defend any indemnitee against professional liability claims buts shall reimburse the indemnitee for reasonable attorneys' fees and legal costs to the extent any such claim is caused by Consultant's negligence or willful misconduct. In no event shall the cost of defense charged to the Consultant exceed the Consultant's proportionate percentage of fault.

**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.

In the event that SAWPA orders services deleted or reduced, compensation shall be deleted or 6.04 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**

In the event the time specified for completion of an assigned task in a Task Order exceeds the term of 8.01 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.

Notwithstanding any other provision of this Agreement, SAWPA, at its sole option, may terminate this 8.02 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. 67

**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<u>and Consultant shall</u> perform its services as expeditiously as possible, consistent with the professional standard of care and the orderly progress of the Project. 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 <u>its\_fullappropriate</u> 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 of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full.

Consultant and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. Consultant shall include the non-discrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

**11.08** Contractor's employees, agents and subcontractors shall adhere to, and comply with, the California Drug Free Workplace Act at Government Code, Sections 8350 through 8357.

**11.09** This contract may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, and such counterparts shall together constitute one and the same Contract. The parties shall be entitled to sign and transmit an electronic signature of this Contract (whether by facsimile, PDF or other email transmission), which signature shall be binding on the party whose name is contained therein. Each party providing an electronic signature agrees to promptly execute and deliver to the other party an original signed Contract upon request.

In witness whereof, the parties hereby have made and executed this Agreement as of the day and year first above-written.

#### SANTA ANA WATERSHED PROJECT AUTHORITY

Jeffrey J. Mosher, General Manager

Date

#### (CONSULTANT NAME)

(Signature)

Date

Typed/Printed

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Monitoring Plan - Special Study of Total Dissolved Solids for SAR Reach 3



### Proposal for Monitoring Plan – Special Study of Total Dissolved Solids for Santa Ana River Reach 3

#### Dear Rachel,

We are pleased to submit our proposal to support the Santa Ana River Watershed Project Authority (SAWPA) and Basin Monitoring Program Task Force (BMP Task Force) in the Special Study of Total Dissolved Solids (TDS) for Santa Ana River (SAR) Reach 3. Our team at WSC brings specialized expertise in hydrogeology, innovative remote sensing technology, and a deep understanding of the Santa Ana River watershed to deliver a highly effective monitoring plan tailored to the project's objectives.

#### Why partner with WSC?

Advanced Technical Expertise. Our hydrogeologists are at the forefront of integrating highresolution UAV-based thermal (TIR) imaging with ground-based verification techniques. This approach enables precise identification of surface water temperature anomalies and groundwater upwelling zones, providing a promising method for assessing TDS sources in SAR Reach 3.

**Commitment to Task Force Collaboration.** Joe Kingsbury, our proposed Project Manager, a California Professional Geologist and Certified Hydrogeologist, brings extensive experience managing complex hydrogeologic studies. With a comprehensive understanding of the technical and administrative challenges, he will prioritize clear communication and coordination with the BMP Task Force and project partners.

**Strategic, Data-Driven Approach.** Our team is committed to delivering a robust monitoring plan that not only meets the immediate needs of this study but also supports the long-term objectives of improving TDS monitoring and management in the Santa Ana River watershed.

We appreciate the opportunity to submit this proposal and believe our expertise, innovative approach, and commitment to collaboration make WSC an ideal partner for this important study. We welcome the opportunity to further discuss our approach and answer any questions from SAWPA and the BMP Task Force at your convenience.

Proposer's Name:	Water Systems Consulting, Inc. (WSC)		
Authorized Signature:	Michael J Cruikshamk	Date:	2/6/2025
Name of Individual Signatory:	Michael Cruikshank	Title of Individual Signatory:	Principal in Charge
Direct Phone #:	(714) 721-7298	Mailing Address:	25201 Paseo De Alicia Suite 290
E-mail Address:	mcruikshank@wsc-inc.com	City, State, Zip:	Laguna Hills, CA 92653

#### APPENDIX A1 - PROPOSER'S BUSINESS INFORMATION

All proposers shall submit the information as requested below.

1.	Length of time your firm has been in business: 16 years						
2.	WSC's Ontario office was established 11 years ago and relocated Length of time at current location: to its current address a year ago.						
3.	List types and business license number(s): City of Riverside Business License (No. 0145940)						
	City of San Bernardino Business License (No. 070102)						
4.	California State Contractor's License number: 1000048177						
5.	Names and titles of all officers of the firm:						
	CEO & President: Jeff Szytel. CFO & Secretary: Jeroen Olthof.						
2	Vice Presidents: Jon Ganz, Jannette Garrett, Jeff Lawrence, Scott Duren, Rob Natoli,						
	Rob Marrow, Laine Carlson, Dylan Wade, Josh Reynolds, Justin Pickard, Michael Cruikshank,						
2	Dianne Lee						
6. 7.	Is your firm a sole proprietorship doing business under a different name? YES or NO X IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII						
8.	Please indicate your Federal Tax Number:26-1507694						
9.	Is your firm incorporated? YES 🔀 or NO						
10.	Name and remittance address that will appear on invoices:						
5	Water Systems Consulting, Inc.						
5	805 Aerovista Place, Suite 201, San Luis Obispo, CA 93401						
11.	Physical Address: 3602 Inland Empire Blvd., Suite C 230, Ontario, CA 91764						

# MWSC

## WSC Background

WSC's expert team of hydrogeologists, engineers, planners, operators, and communications professionals are committed to providing SAWPA with responsive, quality service.

WSC is a full-service civil and environmental engineering and hydrogeology firm that specializes in the planning, design, construction, and optimization of drinking water, recycled water, wastewater, and water supply solutions. We offer a purpose-built team that combines deep technical knowledge of local conditions, a One Water philosophy, and sustained stakeholder engagement to deliver compelling, relevant solutions to our clients and the communities they serve.

WSC was founded in 2007 with a mission to provide high-quality and responsive consulting services to water and wastewater agencies and municipalities. We have since grown to include hydrogeologists, operators, construction, and communications professionals operating out of seven offices. We are organized to work collaboratively with our clients to apply proven approaches, state-of-the-art tools, and knowledge-driven innovation to deliver truly outstanding results.

WSC and our staff hold the necessary licenses and certifications to provide SAWPA with the hydrologic services outlined in the RFP. Our project manager and principal in charge possess professional licenses and certifications from the State of California, including Professional Geologist (PG) and Certified Hydrogeologist (CHG) credentials.

## About WSC

Type of Corporation: S-Corporation Date of Incorporation: December 4, 2007 Location of Incorporation: California Size of Company: 66 employees

#### **WSC Organizational Chart:**

Jeffery Szytel – CEO & President Jeroen Olthof – CFO Jon Ganz – Vice President Jannette Garrett – Vice President Jeff Lawrence – Vice President Scott Duren – Vice President Robert Natoli – Vice President Rob Marrow – Vice President Laine Carlson – Vice President Dylan Wade – Vice President Justin Pickard – Vice President Michael Cruikshank – Vice President Dianne Lee – Vice President

#### Local Offices:

WSC Inland Empire (20 miles) 3602 Inland Empire Blvd, Suite C230 Ontario, CA 91764

WSC Laguna Hills (36 miles) 25201 Paseo De Alicia, Suite 290 Laguna Hills, CA 92653

# MWSC

## Meet our Team

Qualification for key staff are provided below and resumes for all team members are provided in the appendix.

#### Joe Kingsbury PG, CHG Project Manager

Joe Kingsbury, WSC's proposed Project Manager, brings over 25 years of experience leading a diverse range of hydrogeology studies and projects. With a strong track record managing projects for public agencies across southern California, he excels at anticipating challenges and delivering effective solutions.

As Project Manager, Joe will serve as our primary point of contact to SAWPA, coordinating and overseeing the performance of the WSC team, including our subconsultant, EarthForensics. He will actively participate in routine meetings, address project challenges, and effectively allocate resources.



Committed to client service, Joe will provide steady

leadership throughout the project, ensuring that objectives are met while guiding the team to exceed expectations.

#### Michael Cruikshank PG, CHG Principal in Charge

Michael is a certified hydrogeologist who has spent his entire career working in the Santa Ana River Watershed, including over 15 years as a consultant to the SAWPA facilitated Basin Monitoring Program Task Force. He has extensive experience managing projects in complex stakeholder environments and has contributed to the development of groundwater and surface water models that support critical decision-making in the region. His work includes, the recomputation of ambient water quality in groundwater management zones, the development of recharge master plans, the Wasteload Allocation Model for the Santa Ana River and the preparation and implementation of Groundwater Sustainability Plans (GSPs).

#### Irvin Matamoros Project Hydrogeologist

Irvin is a staff hydrogeologist with practical expertise in hydrogeologic field investigations. He contributed to a regional groundwater monitoring program for a local water agency, gaining hands-on experience in groundwater sampling with submersible and peristaltic pumps, installing and troubleshooting pressure transducer and remote telemetry systems, and performing QA/QC on water quality data. He has also managed aquifer pumping test data to provide accurate analysis and interpretation.

For his master's thesis, Irvin used UAV-based thermal infrared imagery to detect groundwater flux and seepage in surface water bodies, integrating remote sensing with traditional field methods to enhance hydrogeologic assessments.

#### Richard Laton PhD, PG, CHG Technical Advisor

Dr. Laton, an Associate Professor of Hydrogeology at California State University, Fullerton, specializes in remote sensing, GIS, and hydrogeology. A recipient of the 2014 Ross Oliver Award, he has extensive experience in environmental research, consulting, and litigation support. His expertise includes fluvial geomorphology, hydrology, surface water analysis, and natural hazard assessment. Dr. Laton integrates remote sensing and GIS into applied research, supporting university students in projects related to environmental monitoring, water resources, and hazard mapping. He advises upper-level students and collaborates with agencies on geospatial analysis for environmental and geological studies.

# **Project Experience**

WSC will leverage our expertise in hydrogeology and deep understanding of Santa Ana River watershed management programs to serve as a trusted partner, providing SAWPA with the technical support needed to achieve its goals.

#### Ambient Water Quality Recomputation for the Santa Ana River Watershed

Basin Monitoring Program Task Force, Santa Ana Watershed Project Authority (SAWPA), Riverside, CA

The Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin requires implementation of a watershed-wide total dissolved solids (TDS) and nitrogen groundwater monitoring program to determine ambient water quality (AWQ) in groundwater, assess compliance with groundwater quality objectives, and determine if assimilative capacity exists in groundwater management zones. The Basin Plan requires that the AWQ be computed every three years. WSC computed current AWQ for TDS and nitrate-nitrogen in all 40 groundwater management zones (GMZ) in the Santa Ana River watershed including the San Jacinto Watershed Groundwater Basin. The recomputation involved collecting, processing, and storing in a centralized database all groundwater quality and groundwater levels data from over 6,000 wells. From the database, point statistics were developed for nitrate and TDS, and groundwater quality and groundwater elevation contour maps were prepared in the management zones with requisite data. The volume-weighted ambient TDS and nitrate-nitrogen concentrations were computed using data generated from the contour maps. WSC prepared interpretive tools that included a spatial analysis of groundwater quality change, temporal analysis of groundwater change comparing basin-scale trends to trends observed in key well locations, and a forwardlooking well attrition analysis.

Key WSC Staff: Michael Cruikshank (Project Manager)

## Perris North Basin Groundwater Contamination Protection and Recovery Program (Perris North Program)

#### Eastern Municipal Water District, CA

The Perris North Program aims to remediate co-mingled contaminants—including volatile organic compounds, perchlorate, and nitrate—in a portion of the San Jacinto Groundwater Basin. The remediation strategy involves extracting contaminated groundwater through a network of extraction wells and conveying it via pipelines to a centralized treatment facility. Dedicated nested monitoring wells will be used to track groundwater levels and quality across the project area.

WSC has been instrumental in supporting the District through the planning and implementation phases of this program. Our contributions include developing a technical memorandum for monitoring well siting, a Monitoring & Reporting Plan, a Groundwater Extraction Pumping Plan, and technical specifications for the bid set to construct the monitoring wells. Additionally, WSC's senior hydrogeologist is currently serving as technical advisor, providing field oversight and final well design reviews during construction of the nested monitoring wells.

**Key WSC Staff:** Joe Kingsbury (Project Manager/Senior Hydrogeologist), Mike Hoffman (Senior Hydrogeologist/Technical Advisor)

#### Water Supply Studies for Jensen-Alvarado Historic Ranch & Louis Robidoux Parkland

#### San Bernardino Valley Municipal Water District

WSC developed a comprehensive approach to quantifying and meeting water demands for sustainable agriculture operations and supporting pond and creek restoration for the Louis Robidoux Nature Center Consortium. This Consortium, which includes the San Bernardino Valley Municipal Water District (San Bernardino Valley) and Huerta Del Valle, and other partners, aims to meet irrigation needs at the Jensen-Alvarado Historic Ranch (JAHR) and the Louis Robidoux Parkland (LRP) in Jurupa Valley, while enhancing habitat restoration for Sunnyslope Creek.

WSC's scope primarily focused on these two sites, with Huerta Del Valle interested in developing sustainable farming plans and San Bernardino Valley and other Consortium members focusing on the LRP site and potential for creek restoration. Our studies determined effective methods to quantify water demands for agriculture at both sites and proposed solutions to enhance pond and creek restoration at the LRP and downstream along Sunnyslope Creek.

As part of the project approach, WSC developed three preliminary alternatives that addressed a range of potential project elements for each phase, including a baseline "no-project" alternative that outlined current water utilization at both JAHR and LRP. These alternatives were refined as new information on water supply options was gathered, providing a framework for final recommendations.



**Key WSC Staff:** Joe Kingsbury (Project Manager/Hydrogeologist), Michael Cruikshank (Senior Hydrogeologist)

WSC is willing to provide our client list to demonstrate that no other clients could negatively impact SAWPA.

# Project Understanding and Approach

The Santa Ana Watershed Project Authority (SAWPA) and the Basin Monitoring Program Task Force (BMP Task Force) seek the factors driving fluctuations in Total Dissolved Solids (TDS) concentrations during baseflow conditions at the downstream terminus of the Santa Ana River (SAR) Reach 3. This study aims to enhance understanding of groundwater-SAR baseflow interactions, support the BMP Task Force's long-term objective of improving future calibration of the WLAM, and determine locations, sources, and other information regarding TDS fluctuations in Reach 3 of the Santa Ana River.

### Key Objectives

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#### 1. Identifying Areas of Rising Groundwater:

- The 2020 Waste Load Allocation Model (WLAM) identified three locations where rising groundwater is suspected to occur within portions of Reach 3.
- There are data gaps in these areas, requiring further investigation of surface and groundwater interactions.
- The BMP Task Force seeks to refine the WLAM to better simulate TDS (and nitrate) sources.

#### 2. Understanding TDS Fluctuations in Baseflow Conditions:

- TDS concentrations at the terminus of Reach 3 fluctuate around the Basin Plan's antidegradation objective of 700 mg/L, particularly during baseflow conditions.
- Baseflow conditions are defined to exclude precipitation events, discharges to OCWD's imported water turnout tributary to Prado Basin (OC-59), and certain conditions at Prado Dam.
- A historical correlation exists between decreasing discharge volumes by Publicly Owned Treatment Works (POTW) and rising TDS concentrations.
- Other sources of TDS, such as rising groundwater, dry-weather runoff, and streambed recharge, may be contributing factors.

#### 3. Assessing the Connection between Groundwater and TDS Trends:

- The underlying groundwater management zones (GMZs), including Riverside-A, Chino-South, and Prado Basin Management Zone (PBMZ), could influence TDS levels in surface waters.
- Data from past studies suggest that some groundwater contributes to increasing TDS levels below Prado Dam.

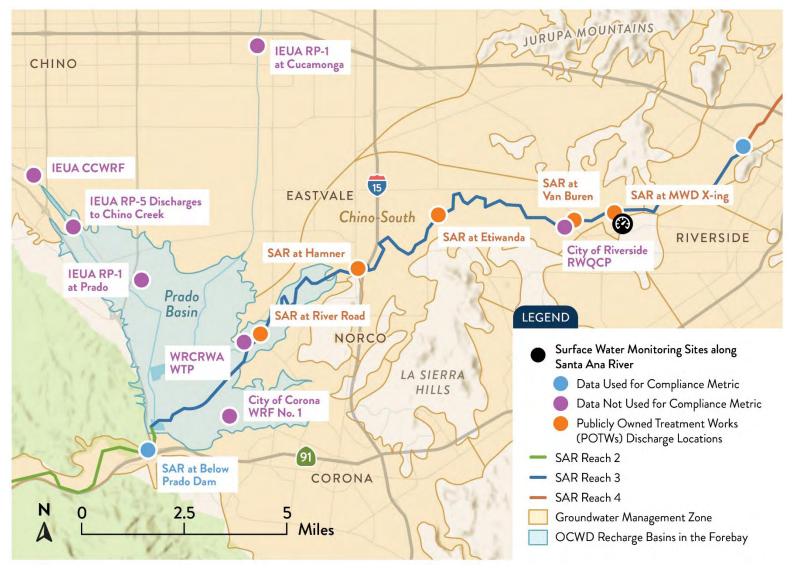
#### Study Area and Data Sources

- The Area of Interest (AOI) extends from Riverside Narrows to USGS stream gage station 11074000 which is immediately below Prado Dam and includes streams that are tributary to Reach 3 (i.e., Temescal Wash, Chino Creek, and Cucamonga/Mill Creek).
- The WLAM and historical mass-balance studies/calculations provide a foundation for understanding TDS trends.

As illustrated in Exhibit 1 (next page), USGS stream gages and monitoring sites adjacent to and within the AOI are used to track streamflow and TDS concentrations.

# MUSC

#### Exhibit 1



Monitoring Plan - Special Study of Total Dissolved Solids for SAR Reach 3 Santa Ana Watershed Project Authority

# Santa Ana River Research (CASE STUDY)

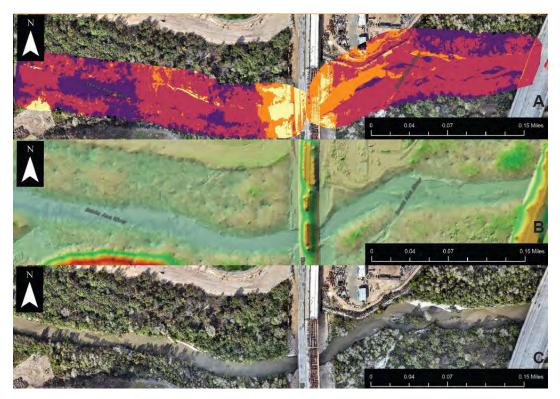
Dr. W. Richard Laton, Professor of Hydrogeology at CSU Fullerton and founder of Earth Forensics, has conducted over two decades of research in the Santa Ana River Watershed. Recently, Dr. Laton collaborated with Irvin Matamoros from WSC on a study titled *"Groundwater-Surface Water Interactions Constrained Through Unmanned Aerial Vehicle Thermal Infrared Imagery and Ground-Based Monitoring Along the Santa Ana River."* This study integrates UAV-based thermal infrared (TIR) imagery with traditional hydrogeological field techniques to investigate groundwater (GW)-surface water (SW) interactions along the Santa Ana River, Reach 3.

By identifying temperature anomalies, the study develops a cost-effective, scalable framework for groundwater flux mapping, offering significant implications for refining water and water quality budgets along the SAR. This methodology can be applied to the Santa Ana River Reach 3 TDS study.

UAV surveys were conducted to identify surface water temperature anomalies, which were verified using seepage meters and piezometer-based ground monitoring. UAV-derived data was ground-truthed and normalized to align with measurements from a handheld infrared camera and multiparameter water meter, to maintain accuracy. Combined data from seepage meters piezometers was used to determine detailed groundwater flux parameters.

# MWSC

#### Exhibit 2



Images shown on previous page: UAV TIR (A), Digital Terrain Model (B), and Red Blue Green Composite (C) images of the study area. Used to assess cross-sectional areas of temperature anomalies and hydrogeologic conditions such as elevation and hydraulic gradients.

Enhanced image processing of TIR data and ground-based validation confirmed the presence of distinct cold spots along the SAR, associated with gaining stream segments:

- Seepage Meter Outputs: Cold spots exhibited more substantial seepage volumes, confirming groundwater upwelling. Volumes diminished with increasing distance from these areas.
- **Piezometer Data**: Vertical hydraulic gradients in these zones supported gaining stream conditions, providing additional evidence of groundwater inflow.
- **Thermal Verification**: Ground-based FLIR imaging supported UAV TIR findings, ensuring the reliability of drone-identified seepage zones.

This combined methodology has critical implications for water budgeting and sustainability:

- Efficiency: UAV surveys reduce the time to geolocate seepage zones and resources required for hydrogeological GW flux studies.
- **Scalability**: The approach allows for rapid assessments across large areas, making it ideal for managing complex watersheds.
- **Reliability**: Ground-based thermal imaging and water quality analyses ensure robust validation of UAV-derived data.

# MUSC

# Scope of Work

# Task 1Update Mass-Balance Calculation for BaseflowConditions

Update the mass-balance calculations for TDS concentrations in Reach 3 of the Santa Ana River using the 2015 study spreadsheet as a baseline and applying the updated baseflow definitions. The analysis will provide insights into flow rates and TDS quality under new conditions and incorporate additional data sources to refine results.

WSC will utilize real data to update the mass-balance calculations for TDS concentrations in Reach 3 of the Santa Ana River over the period of 2017–2024, applying two updated baseflow definitions.

#### 1.1 Review Existing Data and Definitions

- Review the February 2015 study "Investigation and Characterization of the Cause(s) of Recent Exceedances of the TDS Concentration Objective for Reach 3 of the Santa Ana River."
- Understand the existing mass-balance spreadsheet, including data sources, calculation methods, and assumptions.
- Review Section 3 of the updated study to apply the two baseflow definitions:
  - Definition A: Baseflow conditions when specific hydrological and operational criteria are met.
  - Definition B: Baseflow conditions limited to August and September with no
    precipitation events in the last four days.

#### 1.2 Data Collection and Validation

- Obtain flow and TDS concentration data for the years 2017–2024.
- Identify and integrate additional or updated data sources that could influence baseflow TDS concentrations (beyond Table 3 of the 2015 study and the 2020 WLAM).
- Validate the dataset to ensure only real, measured data is used in the calculations (no modeled or estimated data).

#### 1.3 Mass Balance Calculations

- Update mass balance calculations for both baseflow condition definitions (A and B).
- Summarize the rates of inflows and outflows for the Area of Interest (AOI) in cubic feet per second (cfs).
- Compute TDS concentrations for each year and baseflow definition.
- Document formulas and methodologies in the updated spreadsheet.

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#### 1.4 Technical Memorandum

- Summarize the results of mass-balance calculations, including:
  - Flow rates (inflows and outflows).
  - TDS concentrations.
  - Identification of any trends or anomalies during the 2017–2024 period.
- Discuss the impact of new or additional data sources on the mass-balance results.
- Highlight any limitations or uncertainties in the data or calculations.
- Present the draft technical memorandum to the BMP Task Force for review.
- Incorporate comments and recommendations into the final technical memorandum.
- Prepare an appendix summarizing responses to BMP Task Force comments.

#### Deliverables: Draft Technical Memorandum

- (1) Includes updated mass-balance results for both baseflow definitions, key findings, and potential impacts of new data sources.
- (2) Includes draft spreadsheet with formulas used in the mass-balance calculations.

#### Deliverables: Feedback & Finalization

- (1) Incorporates feedback from BMP Task Force.
- (2) Includes a response-to-comments appendix.
- (3) Includes final spreadsheet with formulas used in the mass-balance calculations.

#### Assumptions:

- (1) WSC will rely exclusively on real, measured data and will not include modeled or estimated data in the calculations.
- (2) Additional data sources beyond those in Table 3 of the 2015 study or the 2020 WLAM will be limited to publicly available datasets or those provided by relevant agencies.
- (3) This scope does not include field sampling, data collection, or new modeling efforts.

# Task 2Coordination with Groundwater Managers

WSC will coordinate with groundwater managers in the Reach 3 area, evaluate their ongoing and planned efforts related to groundwater data collection, and determine how these efforts align with the goals of addressing fluctuating TDS concentrations during baseflow conditions at the downstream terminus of the AOI (Area of Interest).

The objective of this task is to understand the planned groundwater monitoring efforts in the Reach 3 area and assess how these efforts can support the purpose of identifying and addressing TDS data gaps.

#### 2.1 Existing Documents and Framework

• Review of the October 2023 Groundwater Data Gap Framework submitted by the BMP Task Force.

5. Scope of Work

# MWSC

- Review the 2022 Groundwater Sustainability Plan from the Temescal Basin Groundwater Sustainability Agency (GSA).
- Familiarize with Figure 18 of the 2020 Waste Load Allocation Model (WLAM) Summary Report, focusing on rising groundwater areas.

#### 2.2 Engage with Groundwater Managers

- Coordinate with agencies involved in the Riverside-A Groundwater Management Zone, the Chino-South Groundwater Management Zone, and the Temescal Basin GSA to discuss their ongoing/planned monitoring efforts.
- Questions to address:
  - Are there planned activities to monitor groundwater in or near rising groundwater areas shown in Figure 18 of the 2020 WLAM Summary Report?
  - If yes, can these plans be utilized to achieve the purpose of this scope (i.e., understanding TDS fluctuations during baseflow conditions)?
  - What years will data be available to implement this scope?
  - Do they have indications of TDS concentrations in rising groundwater areas?
- Identify and reach out to agencies in the Santa Ana River Watershed that may not be one of the entities in Reach 3 area that are evaluating potential groundwater data gaps but could have relevant data or planned efforts.
- Ask the same set of questions as above to these additional agencies.

#### 2.3 Memorandum

- Compile findings from agency coordination, including the potential for leveraging planned monitoring efforts, available data timelines, and indications of TDS concentrations.
- Summarize findings from coordination with groundwater managers in a draft memorandum.
- Highlight opportunities and challenges in utilizing existing or planned efforts to meet the objectives of the scope.
- Incorporate comments and feedback from SAWPA and the BMP Task Force's Regulatory Strategy Consultant into the final memorandum.

#### Deliverables: Draft Memorandum

- (1) Detailed summary of findings from coordination with groundwater managers.
- (2) Includes responses to the key questions outlined in Task 2.2.

#### Deliverables: Final Memorandum

(1) Reflects feedback and comments from SAWPA and the BMP Task Force's Regulatory Strategy Consultant.

#### Assumptions:



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- (2) WSC will rely on responses provided by agencies and will not conduct independent field investigations as part of this task.
- (3) Coordination efforts are limited to agencies identified in Table 4 and additional agencies in the Santa Ana River Watershed deemed relevant to the scope.
- (4) Any gaps in agency responses or data availability will be documented in the memorandum.

# Task 3 Monitoring Plan

WSC will analyze the 2020 Santa Ana River Waste Load Allocation Model Update Summary Report, with a focus on groundwater data gaps and surface/groundwater interactions. WSC will design and deliver a comprehensive monitoring plan to address TDS fluctuations in Reach 3 of the Santa Ana River and its tributaries, as well as provide cost estimates for implementing the plan.

#### 3.1 Review and Analysis of Existing Data

Analyze relevant sections of the 2020 Santa Ana River Waste Load Allocation Model Update Summary Report to identify data gaps and surface/groundwater interaction challenges.

- Review the 2020 Santa Ana River Waste Load Allocation Model Update Summary Report.
  - Focus on sections addressing groundwater data gaps and surface/groundwater interactions.
- Identify key sources of TDS in Reach 3 and its tributaries.
- Assess the existing data framework and highlight deficiencies in monitoring practices.

**Deliverables:** Summary of key findings on groundwater data gaps and surface/groundwater interactions (to be integrated into the draft technical memorandum).

#### 3.2 Development of Monitoring Plan

Design a three-year monitoring plan to address TDS data gaps and provide actionable insights for mitigating fluctuating/increasing TDS concentrations.

- Monitoring Framework Design.
  - Define data collection categories (e.g., surface water sampling, groundwater monitoring, hydrologic flow data).
  - Specify parameters to be measured (e.g., TDS levels, flow rates, water quality constituents).
- Implementation Plan.
  - Identify monitoring locations within Reach 3 and tributaries.
  - Recommend sampling frequency and duration over a three-year period.
- Cost Estimation.
  - Develop cost estimates for annual data collection, segmented by data categories (e.g., surface water sampling, groundwater monitoring).

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- Draft Technical Memorandum Preparation.
  - Summarize findings and recommendations in a draft technical memorandum.
  - Includes the proposed monitoring framework, data collection plan, and cost estimates.
  - Justifies the need and value of each proposed data collection method.

**Deliverables:** Draft Technical Memorandum: Monitoring Plan and Cost Estimates for BMP Task Force Review.

#### 3.3 Stakeholder Review and Finalization

Refine and finalize the monitoring plan based on feedback from the BMP Task Force.

- Present the draft technical memorandum to the BMP Task Force.
  - Explain the value and rationale for each data collection method.
  - Facilitate discussions to gather feedback and direction from stakeholders.
- Incorporate BMP Task Force feedback into the monitoring plan.
  - Address comments and integrate recommendations.
- Prepare the final technical memorandum.
  - Incorporates BMP Task Force feedback and includes an appendix with responses to comments.
  - Includes a response-to-comments appendix summarizing feedback and revisions.

#### **Deliverables:**

- (1) Final Technical Memorandum: Monitoring Plan and Cost Estimates.
- (2) Appendix: Response to BMP Task Force comments.

#### **Assumptions:**

- (1) WSC will not conduct fieldwork during this task for development of a monitoring plan.
- (2) Presentations to the BMP Task Force are limited to the draft technical memorandum review meeting.
- (3) Costs related to implementing the monitoring plan (e.g., equipment purchase, personnel training) are beyond the scope of this task.

## Task 4 Task Force Project Management

This scope outlines WSC's responsibilities in project management, coordination, and deliverable preparation to support the implementation of Tasks 1, 2, and 3 under the BMP Task Force Scope of Work. Key efforts include regular coordination with SAWPA, the BMP Task Force, and other stakeholders, facilitation of project meetings, and preparation of technical deliverables and progress reports.

The objectives for this task are to:

5. Scope of Work

# MWSC

- Facilitate communication and collaboration between the Consultant, SAWPA, BMP Task Force members, and other stakeholders.
- Maintain that all deliverables for Tasks 1, 2, and 3 are prepared, reviewed, and submitted on schedule.
- Provide periodic updates and presentations to the BMP Task Force to support decisionmaking and ensure project progress.

#### 4.1 Project Kick-Off and Initial Coordination

- Assign a Project Director to act as the main point of contact for the duration of the project.
- Conduct a project Kick-off meeting within two weeks of Task Order execution.
- Review and address questions related to the project scope, deliverables, and timelines.
- Develop a detailed work plan and timeline based on the reviewed scope.

#### 4.2 Monthly Coordination Meetings with BMP Task Force

- Schedule and attend approximately monthly BMP Task Force meetings (assume 12 meetings total).
- Facilitate two in-person meetings per year, with remaining meetings attended virtually via Zoom.
- Prepare and provide meeting materials, including:
  - Agendas.
  - Meeting notes summarizing key discussions and action items.
  - PowerPoint presentations highlighting project progress, findings, and recommendations.
- Collaborate with SAWPA for distribution of meeting materials in advance.

#### 4.3 Stakeholder Engagement and Monitoring Coordination

- Coordinate with:
  - SAWPA staff.
  - Members of the BMP Task Force.
  - Other consultants under contract to the BMP Task Force, including the Regulatory Strategy Consultant.
  - University partners and graduate students involved in data collection efforts along Reach 3.
- Assess how external monitoring efforts may contribute to or enhance this scope of work.

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#### 4.4 Ongoing Coordination with SAWPA and Regulatory Strategy Consultant

- Participate in periodic coordination meetings with SAWPA and Regulatory Strategy Consultant Theresa "Tess" Dunham to ensure alignment of project activities and milestones.
- Address questions and provide updates in preparation for important BMP Task Force meetings.

#### 4.5 Administrative Actions

- Oversee the preparation, review, and submission of all project deliverables for Tasks 1, 2, and 3:
  - Draft and Final Technical Memoranda for Tasks 1 and 3.
  - Draft and Final Memorandum for Task 2.
- Prepare and submit additional deliverables as required, including:
  - Meeting notes and summaries.
  - PowerPoint presentations.
  - Monthly progress reports summarizing key activities, milestones, and upcoming tasks.
  - Invoices detailing time and cost allocations by task.

#### Deliverables: Meeting Materials

- (1) Agendas, meeting notes, and PowerPoint presentations for approximately 12 BMP Task Force meetings.
- (2) Advance distribution of materials to SAWPA for circulation to BMP Task Force members.

#### Deliverables: Invoices & Progress Reports

- (1) Itemized invoices for project activities, submitted monthly or as required.
- (2) Monthly progress reports summarizing activities, milestones, and costs.

#### Assumptions:

- (1) Meeting schedules will be agreed upon during the Kick-off meeting, with adjustments made based on project needs.
- (2) WSC will rely on SAWPA for distribution of meeting materials.
- (3) University and graduate student data collection efforts will be limited to information shared with WSC by SAWPA and/or Task Force members.

# MUSC

	Task Name	Duration	Start	Finish	24 N	March 2025	5	15 . 31	April 2025 26 31 5	10 17	20.1 20	May 2025 30 5 10	15 30 31	June 2025			
1	Update Mass Balance Calculations	98 days	Wed 3/5/25	Fri 7/18/25		-	- 11		- <i>D</i> 1 - 31 - 3	19 13		30 3 10	1 2 2			12 24	1
2	<b>Review Documents</b>	6 days	Wed 3/5/25	Wed 3/12/25			-										
3	Collect Data	20 days	Mon 3/10/25	Fri 4/4/25													
4	Mass Balance Calculations	40 days	Mon 3/31/25	Fri 5/23/25					1000								
5	Technical Memorandum	40 days	Mon 5/26/25	Fri 7/18/25										-			
	Coordination with Groundwater Managers	58 days	Mon 4/28/25	Wed 7/16/25							7	_					
7		10 days	Mon 4/28/25	Fri 5/9/25								-					
8	Engagements	35 days	Mon 4/28/25	Fri 6/13/25										_	a		
9	Memorandum	33 days	Mon 6/2/25	Wed 7/16/25										-	_		
10	Monitoring Plan	115 days	Mon 6/16/25	Fri 11/21/25											-		
11	Review Documents	15 days	Mon 6/16/25	Fri 7/4/25											1		i
12	Develop Draft Plan	62 days	Mon 7/7/25	Tue 9/30/25													
13	Review & Finalize Plan	35 days	Mon 10/6/25	Fri 11/21/25													
14	Project Management	216 days	Wed 3/5/25	Wed 12/31/25		-				_							-
15	Kick-Off & Initial Coordination	30 days	Wed 3/5/25	Tue 4/15/25		-				-							
16	Monthly Meetings	176 days	Wed 3/19/25	Wed 11/19/25				3/19		4	/16		5/21		. 6	6/18	
26	Monthly Meeting 10	1 day	Wed 12/17/25	Wed 12/17/25													
27	Stakeholder Engagement & Monitoring Coordination	145 days	Mon 4/14/25	Fri 10/31/25						í.							
28	Coordination with Regulatory Strategis	145 days	Mon 4/14/25	Fri 10/31/25						ŧ							
29	Administrative Actions	216 days	Wed 3/5/25	Wed 12/31/25	1	-	-			-		_					

#### 6. Project Schedule



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	Task Name	Duration	Start	Finish	rgust 2025		September 2025	October	2025	November 2	025 10 16 21	Decerr
	Update Mass Balance Calculations	98 days	Wed 3/5/25	Fri 7/18/25	3	1 16 23 4	18 - 2 - 7 - 14 - U	4 6 6	1 12 1 11 1	a <u>u</u> 1	1.0 . 16 . 21	20 1
2	<b>Review Documents</b>	6 days	Wed 3/5/25	Wed 3/12/25								
3	Collect Data	20 days	Mon 3/10/25	Fri 4/4/25								
4	Mass Balance Calculations	40 days	Mon 3/31/25	Fri 5/23/25								
5	Technical Memorandum	40 days	Mon 5/26/25	Fri 7/18/25								
C 1	Coordination with Groundwater Managers	58 days	Mon 4/28/25	Wed 7/16/25								
7	and the second se	10 days	Mon 4/28/25	Fri 5/9/25								
в	Engagements	35 days	Mon 4/28/25	Fri 6/13/25								
9	Memorandum	33 days	Mon 6/2/25	Wed 7/16/25								
10	Monitoring Plan	115 days	Mon 6/16/25	Fri 11/21/25	-							
11	Review Documents	15 days	Mon 6/16/25	Fri 7/4/25	-							
12	Develop Draft Plan	62 days	Mon 7/7/25	Tue 9/30/25	_							
19	Review & Finalize Plan	35 days	Mon 10/6/25	Fri 11/21/25								
14	Project Management	216 days	Wed 3/5/25	Wed 12/31/25	5							_
15	Kick-Off & Initial Coordination	30 days	Wed 3/5/25	Tue 4/15/25								
16	Monthly Meetings	176 days	Wed 3/19/25	Wed 11/19/25	8	8/20	9/	17	10/15		11/19	
26	Monthly Meeting 10		Wed 12/17/25	Wed 12/17/25	5							
27	Stakeholder Engagement & Monitoring Coordination	145 days	Mon 4/14/25	Fri 10/31/25								
28	Coordination with Regulatory Strategis	145 days	Mon 4/14/25	Fri 10/31/25	_							
29	Administrative Actions	216 days	Wed 3/5/25	Wed 12/31/25	5	_				_	_	

#### 6. Project Schedule



# Joe Kingsbury PG, CHG

#### PROFESSIONAL EXPERIENCE

Joe is a Professional Geologist and Certified Hydrogeologist with 25 years of diversified experience with groundwater, geotechnical, and environmental projects performed for numerous municipalities, state agencies, and private clients throughout California. His recent project expertise includes well siting assessments, preliminary and final municipal well designs, construction management and inspection for municipal supply and injection wells, and well rehabilitation prioritization plans. Joe has a keen ability to recognize how and when to initiate leadership and effective communication needed to maintain successful collaboration among groups consisting of technical and non-technical participants alike on water supply projects.

#### **REPRESENTATIVE PROJECTS**

Well Siting and Water Supply Study, Jensen-Alvarado Historic Ranch and Louis Robidoux Nature Center, San Bernardino Valley Municipal Water District, Riverside, CA. Project

Manager. Joe led a water supply assessment and well siting study for two potential groundwater production wells in the Jurupa Valley. The well feasibility and siting portion of the study was completed at a conceptual level for the purpose of developing water supply options for the proposed farming and habitat restoration components of the project. Joe completed an extensive search and review of Water Well Reports, groundwater levels, and historical groundwater quality data. This information was used to estimate the yield and water quality, including parameters required for aquatic habitat restoration, for new wells installed at the project sites. Potential well sites were located at each property in centralized locations to maximize water use efficiency and run lengths for irrigation systems.

#### On-Call Hydrogeological Services, Eastern Municipal Water District, Perris, CA. Project

Manager. Since 2019, Joe has provided on-call hydrogeologic and management services to the District's Groundwater Development group on a variety of projects/programs, such as groundwater resource studies, groundwater monitoring programs, well condition assessments, well permitting, Drinking Source Water Drinking Water Source Assessment and Protection (DWSAP), and well installations. Additionally, the District relies on his technical expertise and support to develop and update Standard Operational Procedures for field groundwater sampling methods, technical specifications for well drilling, construction and testing, and design and selection of groundwater monitoring and sampling trailers and equipment. One highlight includes the Perris II Reverse Osmosis Treatment Facility project which Joe:

- Participated in Technical Advisory Committee meetings and assisted with finalizing the Monitoring and Reporting Plan (MRP).
- Developed a sampling plan and summary report for a pilot program to demonstrate the use of sonde technology to vertically profile TDS and nitrate concentrations in wells.
- Managed groundwater sampling activities and prepared summary reports for two baseline monitoring events, and quarterly and annual operational reports.

#### Another highlight includes Joe's role with the Perris North Program, which he:

- Developed the MRP and preliminary pumping plan in accordance with the requirements of the Proposition 1 grant agreement.
- Assisted during development of specifications and reports for groundwater extraction wells.



# MWSC

#### EDUCATION

BA, Geology, The Ohio State University

#### PROFESSIONAL REGISTRATIONS

Professional Geologist, California, No. 8680

Certified Hydrogeologist, California, No. 1019

"I strive to provide my clients the type of service that I would expect: responsive, informed and committed to their success. The reward comes with identifying effective ways to reduce costs and working through technical challenges."

Joe Kingbury

#### Joe Kingsbury PG, CHG continued...

 Technical team member during the siting, preliminary design, and development of bid packages (specifications) for nested and clustered monitoring wells at 15 sites.

PCE Plume Characterization, Proposition 1 Groundwater Grant Program, Round 2 Concept Proposal, City of San Luis Obispo, CA. Senior

*Hydrogeologist.* Led the development of a Proposition 1 Groundwater Grant Program conceptual planning proposal to characterize the PCE plume impacting many of the City's production wells. Scope includes the development of a calibrated fate and transport model to investigate and delineate the existing PCE plume in the Basin underlying the City. The model will be used to develop a greater understanding of the hydrogeologic characteristics of the Basin. The groundwater model will allow the City to use multiple water resources to meet water supply needs and continue to use groundwater to enhance the resiliency of the City's water supply portfolio.

#### Cooperative Agreement to Protect Water Quality in the Santa Ana River Basin, San Bernardino Valley Municipal Water District, San Bernardino,

**CA.** Hydrogeologist. Joe's primary role was to support the senior groundwater modeler with the collection and analysis of geohydrologic and water quality data. He participated in project meetings and prepared initial and secondary documents to report to Regional Water Quality Control Board compliance with salinity objectives for the Bunker Hill, Lytle Creek, Rialto, Colton, Yucaipa and San Timoteo Management Zones.

Chino Basin Program Preliminary Design Report, Inland Empire Utilities Agency, Chino, CA. Hydrogeologist. During development of the preliminary design report for the Chino Basin Program, Joe assisted with developing the preliminary design and planning level costs for proposed groundwater recharge injection wells. Joe is currently tasked with leading the preparation of a detailed siting study for project injection and monitoring wells, which includes compiling and evaluating large sets of data and information, preparing stratigraphic cross sections to evaluate the proposed injection well field, reviewing construction details and long-term performance for nearby wells, reviewing permitting and regulatory requirements for new wells, developing well siting criteria, and identifying, evaluating and ranking potential well sites. He is also developing a preliminary design report for the project injection and monitoring wells. This report will provide a basis of design and preliminary operational strategy for injection wells, and an opinion on probable construction and operational costs.

#### Upper Santa Ana River Habitat Conservation Plan, San Bernardino Valley Municipal Water District, Riverside, CA. *Role.* The primary purpose of the Habitat Conservation Plan (HCP) is to give the Upper SAR water agencies the ability to construct identified public infrastructure projects that would impact endangered species and require take coverage under the Federal Endangered Species Act (FESA).

Central Coast Blue Proposition 1 Planning Grant Activities, Multiple Agencies, Pismo Beach, CA. Hydrogeologist. Joe served as lead hydrogeologist for the planning and implementation of project injection and monitoring wells. For the initial phase, he prepared the technical plans and specifications and provided construction management services (CMS)

and final design for a test injection well and associated nested monitoring

well. He recently completed a siting study for the remaining Phase 1 & 2 injection wells and is currently updating planning level cost estimations for construction and CMS of six injection wells and nine nested monitoring wells.

Drought Contingency Plan, East Valley Water District, Highlands, CA. Senior Hydrogeologist. In 2023-24 served as primary lead for development of multiple studies for new drinking water supplies and groundwater well sites, including a Site Feasibility for New Groundwater Production Well, a Detailed Project Plan for Proposed New Well 129, a Siting Study for New Groundwater Production Wells, and a Well Modification and Replacement Prioritization Plan. The work included compilation and review of well construction and equipping details, historical groundwater monitoring and well operational and maintenance data, well performance trends, and developing criteria used to assess, score, and rank (prioritize) potential sites for future water supply wells and existing wells in need of modifications and replacement.

Well 129 Drilling Design and Construction Management, East Valley Water District, Highlands, CA. Senior Hydrogeologist. Utilizing the Site Feasibility Study and Project Plan prepared by WSC, prepared the contract documents (front ends) and technical specifications that the District advertised for the selection of a dnilling contractor to install Well 129. Coordinated and oversaw all required permitting steps, including the 'Initial Study' under CEQA, prepared and submitted documentation for initial DWSAP permit application, verified approval from the Regional Water Quality Control Board, Santa Ana use of District's general NPDES Statewide permit for discharges of purged groundwater associated with well development and testing to onsite stormwater facility, and sound wall requirements to mitigate construction noise in accordance with local city ordinance. Scope includes providing construction, development, and field oversight services during the drilling, construction, development, and testing of the new well.

#### Sterling Natural Resource Center, San Bernardino Valley Municipal Water District and East Valley Water District, San Bernardino, CA.

**Project Manager.** Joe served as project manager and senior hydrogeologist for all groundwater aspects of a feasibility study conducted for a regional wastewater reclamation plant and groundwater recharge program (Sterling Natural Resource Center). His duties included use of an existing regional groundwater flow and solute transport model to evaluate various recycled water recharge scenarios. Performed analysis to determine groundwater characteristics (including amount of groundwater available as a source of diluent water) which was used by engineering team to identify needed level of source water treatment. Participated in meetings with the Regional Water Quality Control Board and Division of Drinking Water.

Camp Pendleton Seawater Desalination Project Feasibility Study, RBF/ San Diego County Water Authority, Oceanside, CA. Field Hydrogeologist. Primary duties included construction oversight/inspection, borehole lithologic classification and interpretation, aquifer pumping tests and data analysis, water quality sampling, and providing project manager support during final well designs. Site access was via Camp Pendleton which required security clearance and strict adherence to driving and other safety protocols.

# Michael Cruikshank PG, CHG

#### PROFESSIONAL EXPERIENCE

Michael is a proven manager, certified hydrogeologist, and water resource planner with more than 20 years of professional experience. He has managed projects in large diverse stakeholder environments for a variety of water resource projects including the development of groundwater sustainability plans (GSPs), salt and nutrient management plans (SNMPs), and indirect potable reuse (IPR) projects. He has technical expertise in water resource planning, hydrogeologic basin analysis, and the development of integrated groundwater and surface water models that are used to make important water resource management decisions on a watershed scale.

#### REPRESENTATIVE PROJECTS

Recomputation of Ambient Water Quality, Basin Monitoring Program Task Force - Santa Ana Watershed Project Authority, Santa Ana River Watershed, CA. Staff Hydrogeologist. Contoured water level and water quality data for over a dozen management zones. Summarized the data from each management zone by creating raster grids of the contoured water level and water quality data that was used to calculate the water quality objectives. The Santa Ana Region Basin Plan requires ambient water quality recomputation as part of the basin monitoring. Ambient nitrate and TDS determinations in Santa Ana River Watershed groundwater management zones are compared to water quality objectives and used by the Regional Board to assess assimilative capacity.

Recomputation of Ambient Water Quality for the Period 1996 to 2015 and for the Period 1999 to 2018, Basin Monitoring Program Task Force, Santa Ana Watershed Project Authority, Santa Ana River Watershed, CA. Project Manager/Senior Hydrogeologist. Oversaw four ambient water quality determinations, including the 1996 to 2015 version that developed point statistics for nitrate and TDS, prepared groundwater quality and groundwater elevation contour maps in the management zones with requisite data, and computed the volumeweighted ambient TDS and nitrate-nitrogen concentrations using the data generated from the contour maps. Led the development of the interpretive tools which included a spatial analysis of groundwater quality change, a temporal analysis of groundwater change comparing basin-scale

trends to trends observed in key well locations, and a forward looking well attrition analysis. The Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin requires the implementation of a watershed-wide total dissolved solids (TDS) and nitrogen groundwater monitoring program to determine ambient water quality in groundwater, assess compliance with groundwater quality objectives, and determine if assimilative capacity exists in groundwater management zones. The Basin Plan requires that the ambient water quality (AWQ) be computed every three years.

Water Supply Studies for Jensen-Alvarado Historic Ranch & Louis Robidoux Parkland, San Bernardino Valley Municipal Water District, San Bernardino, CA. Senior Hydrogeologist. Supported development of an effective way of quantifying and meeting water demands for planned sustainable agriculture operations and to enhance pond and creek restoration for the Louis Robidoux Nature Center Consortium. The San Bernardino Valley Municipal Water District (San Bernardino Valley) and Huerta Del Valle and others have formed the Louis Robidoux Nature Center Consortium. The primary purpose of the Consortium is to fulfill goals for securing an efficient means of meeting irrigation water demands for sustainable agricultural operations at the Jensen-Alvarado Historic Ranch (JAHR) and the Louis Robidoux Parkland (LRP), both of which are located in Jurupa Valley. WSC's scope of work was applicable principally at the two sites located in the Jurupa Valley. While Huerta Del Valle has an interest to restore and develop new farming plans at both sites, San Bernardino Valley and other members of the Consortium are focused



# MWSC

#### EDUCATION

MS, Civil and Environmental Engineering, California State University, Fullerton, CA.

BS, Geology, California State University, Fullerton, CA.

#### PROFESSIONAL REGISTRATIONS

Professional Geologist, California, No. 8854

Certified Hydrogeologist, No. 994

Engineer-in-Training No. 142007

"I take a multidisciplinary approach to every project to deliver forward-looking solutions for sustained community value."

Michael Cruikshank

#### Michael Cruikshank PG, CHG, MS continued ...

on the LRP site and the accompanying habitat restoration potential for Sunnyslope Creek. The studies determined an efficient means of quantifying and meeting water demands for planned sustainable agriculture operations at both sites and to potentially enhance pond and creek restoration at the LRP property and downstream at the Sunnyslope Creek. As part of the overall project approach, WSC developed three preliminary alternatives that bracket the range of potential project elements described by the subtasks for each phase, as well as a baseline or a no-project alternative. The no-project alternative described current water utilization at the JAHR and the LRP. These alternatives were updated based on the information gained from completing the evaluations of the water supply options defined for the project and used as the framework to develop the final recommendati

Upper Santa Ana River Watershed Salt and Nutrient Management Strategy Study, San Bernardino Valley Municipal Water District, San Bernardino, CA. Project Manager. As Project Manager and Facilitator for the Upper Santa Ana River Watershed Stakeholders, led a study providing critical technical analyses for the development of a SNMP. The study established a scientific framework to evaluate projects and management strategies for enhancing regional water supply reliability. It assessed groundwater quality impacts from recycled water recharge at the Weaver Basin, including contributions from the Sterling Natural Resource Center and the San Bernardino Municipal Water Department's Tertiary Treatment System, focusing on both regional and localized effects on groundwater management zones. Oversaw the development and analysis of four groundwater model scenarios and worked closely with stakeholders to evaluate salinity management strategies. His leadership helped advance key phases of the project, including ambient water quality characterization, nitrogen loss assessments, and integrated groundwater-surface water modeling. Additionally, he guided efforts to explore regulatory strategies and the potential for a regional desalter facility, positioning the project

2021 Ambient Water Quality Pilot Study, Basin Monitoring Program Task Force, Santa Ana Watershed Project Authority, Santa Ana River Watershed, CA. Principal Hydrogeologist. Led the WSC Team in the preparation of the 2021 AWQ Pilot Study as identified in the 2022 Groundwater Monitoring Program Plan. Responsible for assessing the ambient water quality and assimilative capacity in the seven GMZs with Maximum Benefit SNMPs including: Beaumont, Chino North, Cucamonga, Elsinore, San Jacinto Upper Pressure, San Timoteo, and Yucaipa. Leading the technical team in determining the ambient water quality and assimilative capacity in the Yucaipa GMZ using updated aquifer geometry and aquifer properties for the objective setting period (1954-1973) and the current period and presenting the results to the Regional Board.

for future SNMP development and compliance with regional water

management goals.

Bunker Hill Basin Regional Recycled Water Salinity Management Feasibility Study, Regional Recycled Water Coalition, San Bernardino Valley, CA. Regulatory Strategy and Basin Context Lead. East Valley Water District, San Bernardino Municipal Water Department, and the City of Redlands are advancing near-term recycled water projects and seeking discharge permits for beneficial use in the Bunker Hill B Groundwater Management Zone (GMZ). San Bernardino Valley has partnered with these agencies to develop a regional recycled water system for recharging the Bunker Hill B GMZ. Together, these four entities formed the Bunker Hill Basin Regional Recycled Water Coalition (the Coalition) to coordinate permitting efforts and explore viable salinity management strategies for both immediate and long-term goals in the basin. Collaborated with the Coalition and Regional Board staff through a series of workshops to develop, evaluate, and select a preferred salinity management approach. This process explored several options, including a regional desalter facility and a sub-regional Salt and Nutrient Management Plan (SNMP).

Proposition 1 IRWMP Grant Support, San Bernardino Valley Municipal Water District, Upper Santa Ana River Watershed. Project Manager. Provided technical and strategic support through several workshops to help project proponents navigate through the SAWPA OWOW process. Rated and ranked the projects and developed strategies to prepare the project proponents for the SAWPA OWOW process.

PCE Plume Characterization, Proposition 1 Groundwater Grant Program, Round 2 Concept Proposal, City of San Luis Obispo, CA. Senior Hydrogeologist. Led the development of a Proposition 1 Groundwater Grant Program conceptual planning proposal to characterize the PCE plume impacting many of the City's production wells. Scope includes the development of a calibrated fate and transport model to investigate and delineate the existing PCE plume in the Basin underlying the City. The model will be used to develop a greater understanding of the hydrogeologic characteristics of the Basin. The groundwater model will allow the City to use multiple water resources to meet water supply needs and continue to use groundwater to enhance the resiliency of the City's water supply portfolio.

On-Call Hydrogeological Services, Eastern Municipal Water District, Perris, CA. Principal Hydrogeologist/Technical Advisor. Supported the EMWD Water Resources and Facilities Planning Group in a variety of groundwater resources projects. Tasks include the Perris II Reverse Osmosis Treatment Facility monitoring and reporting program, Perris North Groundwater Program preliminary design of 16 monitoring wells in Moreno Valley, review of groundwater modeling reports, and other hydrogeologic tasks.

Chino Basin Dry-Year Yield Program Expansion, Inland Empire Utilities Agency, Chino Basin Watermaster, Metropolitan Water District of Southern California, Chino Basin, CA. Staff Hydrogeologist. Assisted in the development of the Chino Basin Dry-Year Yield Expansion (DYYE) Program. The project was to assist the Chino Basin Watermaster, the Inland Empire Utilities Agency, and the Metropolitan Water District of Southern California in evaluating the impacts of expanding the then current 100,000 acre-ft DYY Program to 300,000 acre-ft. Reassessed the hydrogeologic conditions of the Chino Basin. Assisted other consultants with facility planning, including well siting, water quality evaluations, and specialized mapping; developed and applied a sophisticated set of surface and groundwater models to evaluate the impacts of the DYYE on groundwater levels, contaminant plume movement, and surface and groundwater interaction in the southern part of the basin. Results were used in the expansion facilities environmental permitting process.

# **Irvin Matamoros**

#### HYDROGEOLOGY SUPPORT

Irvin is a proficient Staff Hydrogeologist with hands-on expertise in a range of hydrogeologic field activities. His experience includes contributing to a local water agency's regional groundwater monitoring program, where he honed skills in groundwater sampling using submersible and peristaltic pumps, installing and troubleshooting transducer and telemetry systems, and conducting QA/QC on water quality data. He is also experienced in managing aquifer test data to support groundwater investigations. His Master's thesis used UAV-based thermal infrared imagery to detect groundwater flux and seepage in surface water bodies and integrated these insights with traditional field techniques.

#### **REPRESENTATIVE PROJECTS**

Regional Groundwater Monitoring Program, Water Replenishment District of Southern California,

Los Angeles County, CA. Hydrogeology Intern. He assisted full-time Hydrogeology Department staff in quarterly and annual groundwater monitoring and sampling events. He also collected water level data and groundwater samples across a network of 354 monitoring wells at 63 sites in the District's service area composed of the Westcoast and Central Basin. He performed data entry and analysis to monitor regional groundwater elevations and quality control of groundwater quality results/data for graphical visuals and maps used in the District's reporting to state and federal agencies. He also assisted in tracer study site setup and down-hole pump installations. He updated and created well-data visuals and profiles using Strater. He performed well-accessory installation and maintenance for district-wide key wells. Prepared weekly groundwater hydrograph updates for Long Beach Water.

#### Dominguez Gap/Alamitos Barrier Project, Replenishment District of Southern California, Los Angeles County, CA. Hydrogeology Intern.

He conducted data entry and analysis to track groundwater elevations and ensure the accuracy of groundwater quality data, contributing to the effective management of the Dominguez Gap and Alamitos Barrier Project. These projects are critical components of the Water Replenishment District's efforts to prevent seawater intrusion and maintain groundwater levels in the Los Angeles Basin by injection of blended recycled and advanced treated water. His work involved creating detailed graphical representations and maps used in the District's compliance reporting to state and federal agencies. Additionally, he updated and developed well-data visuals and profiles using Strater, and performed installation and maintenance of well accessories for critical monitoring wells, ensuring the integrity of the groundwater management systems.

Contamination Prevention Program, Replenishment District of Southern California, Los Angeles County, CA. Hydrogeology Intern. Compiled information of environmental compliance reports from cleanup sites as part of WRD's Contamination Prevention Program to assist preparations for presentations/reports at Central and West Coast Basin Groundwater Contamination Forums with stakeholders that include the USEPA, California Department of Toxic Substances Control, and Los Angeles Regional Water Quality Control Board. Performed key maintenance rounds of data logging equipment and data collection at monitoring/extraction wells used to monitor the remediation of a perchlorate contamination plume through a new pump-and-treat facility.



# **MUSC**

#### EDUCATION

MS, Geology, California State University, Fullerton (In Progress)

BS, Geology, University of California, Los Angeles

#### PROFESSIONAL REGISTRATIONS

Remote Pilot, Part 107 – Federal Aviation Administration

40-Hour HAZWOPER



#### W. RICHARD LATON, Ph.D.

12532 VISTA PANORAMA NORTH TUSTIN, CA 92705 714-296-4055; 714-771-2620 fax wlaton@earthforensics.com

#### VITAE

#### EDUCATION

- Ph.D. (1997). Geology with an emphasis in Hydrogeology. Western Michigan University Groundwater – Kalamazoo River Interaction near the Parchment City Well Field, Parchment, Michigan.
- M.S. (1992), Environmental Earth Science (Coastal Geomorphology), Western Michigan University Small-Scale Coastal Cells as Control Mechanisms on Sediment Movement; Identification and Mapping.
- B A. (1989), Earth Science (Oceanography), Saint Cloud State University, Minnesota Density Flow Analysis of Turbidity Currents.

#### PROFESSIONAL SUMMARY

Dr. Laton is an expert in the fields of geology/hydrology/hydrogeology. He is currently an Associate Professor of Hydrogeology in the Department of Geological Sciences, California State University, Fullerton, and the prestigious 2014 Ross Oliver Award winner. This continuation of a career includes years of teaching, consulting, litigation support, and management experience. Dr. Laton possesses extensive knowledge in the areas of geology, hydrogeology, fluvial geomorphology (including erosion and sediment transport), meteorology/climatology (including rainfall, RADAR analysis, and wind), hydrology and surface water, wetlands, coastal monitoring/geomorphology, natural hazards (such as land/mudslides, flooding, and earthquakes), soil and water contamination (fate and transport), CEQA, environmental field sampling techniques and well hydraulics-well design as well as environmental remote sensing/GIS. His classes at the university encompass topics including water quality, environmental sampling, groundwater modeling, well hydraulics, oceanography, and basic geology. He enjoys introducing students to applied research and is the faculty advisor to many upper-level students. He has also acted as a consultant for numerous companies and agencies that need input on the above subjects and natural hazard assessment and mapping.

CERTIFICA	ATIONS
The second se	Contract States in the

California Geologist	(PG-7098)	California Hydrogeologist	(CHg-958)
Alaska Geologist	(PG-673)	Oregon Geologist	(G2153)
Arizona Geologist	(PG-42253)	Pennsylvania Geologist	(PG-5095)
Florida Geologist	(PG-2618)	Texas Geologist	(PG-10018)
Illinois Geologist	(196.001370)	Washington Geologist	(PG-2517)
Indiana Geologist	(LPG-2191)	Washington Hydrogeologist	(CHg-2517)
Minnesota Geologist	(PG-44868)		ALC: NO. ALC: NO.
New York Geologist	(PG-001222)	AIPG-Certified Geologist	(CPG-10544)
North Carolina Geologist	(PG-2614)	European Geologist	(N-1128)

#### SELECTED CONSULTING, RESEARCH, AND EMPLOYMENT EXPERIENCE

#### **Professional Profile**

- 2010 Present, President of Earth Forensics Inc.
- 1995 2010, Partner (Owner Operator) with Environmental Science & Planning, LLC.
- 1998 2001 & 2007 2012, Senior Consultant with Earth Consultants International.
- 2001 2007. Consultant to Hromadka & Associates.
- 1996 1998. Senior Hydrogeologist with SimulProbe Technologies.

#### 2010 - Present. Earth Forensics, Inc. President (www.earthforensics.com)

Project experience includes project management, expert testimony, field work and oversight and training. Clients have included the State of California, various cities, private firms and other consulting companies.

- Olivenhain Municipal Water District, CA. Hired to evaluate groundwater resources. Work included the siting of new monitoring wells for the sole purpose of developing their groundwater resources.
- Malibu, CA. Hired to conduct groundwater investigation and model of wastewater discharge into the subsurface. Includes the evaluation of ASR wells and groundwater-sea water interaction. Work involved the oversight of geophysics (both surface and borehole), bedrock drilling, pilot hole logging, and final ASR well installation.
- San Nicolas Island, CA. Developed white paper on the feasibility of deep-well injection of brine.
- Long Beach, CA. Developed calculations of dewatering operations for Gerald Desmond Bridge Replacement Project. Included, well design.
- Malibu, CA. Hired to evaluate and construct artificial recharge wells in association with City wastewater system. Included drilling of test wells, aquifer testing, water chemistry and review groundwater withdrawal impacts on local stream.
- Ross Township, MI. Retained through Western Michigan University by the City of Kalamazoo, to
  determine the impact of a proposed new wellfield on the surrounding surface water bodies (streams, lakes
  and wetlands). Work included the installation and oversight of several large-diameter (greater than 20-in)
  production wells, 30-day aquifer test and water quality monitoring. Wells were drilled using cable-tool
  and rotary drilling methods.

#### Academic Activities at California State University, Fullerton

- Mojave Water Agency; Water Resource Research within the Mojave Desert. Part of this project is to develop a GIS/Database inventory of all wells, groundwater elevations and hydrogeochemistry of each basin within the boundaries of MWA. Specific portions of the grant have been set aside to collect and analyze data from a 2,500-foot deep multiport monitoring well in the vicinity of Oro Grande Wash.
- Deep Multiport Westbay Monitoring Well; A deep multiport monitoring well was installed on the northwestern portion of campus in order to develop a long-term monitoring program for groundwater in the north Orange County groundwater basin. The well was installed with sampling ports at 6 different zones to a total depth of 850 feet below ground level. The entire project was donated.

#### **Teaching Activities Related to Hydrogeology**

Associate Professor of Hydrogeology. Hydrogeology: Sedimentology and Stratigraphy; Hydrology and Surface Processes; Water Crisis in California and upper division classes in Groundwater Modeling; Environmental Sampling and Protocols; Well Hydraulics and Aquifer Analysis.

Responsible for Summer Field Course in Hydrogeology. Graduate level field course(s) every year including (1) Principles of Well Drilling and Installation; (2) Principles and Practices of Aquifer Testing; (3) Remediation Design and Implementation.



RENE A. PEREZ, PG, CHG HYDROGEOLGIST 12532 VISTA PANORAMA NORTH TUSTIN, CA 92705 714-612-3046; 714-771-2620 fax rperez@earthforensics.com

#### VITAE

#### EDUCATION

M.S. (2009), Geology, California State University, Fullerton Hydrostratigraphy of the Alto Deep Well: Implications for Sustainable Groundwater Recharge Into the Distal Victorville Fan Sediments, Southwestern Mojave Desert, California.

B.S. (2002), Geology, California State University, Fullerton Genesis of the Quaternary Terraces of the Eastern Sierra El Mayor, Northern Baja California, Mexico

Minor in Chemistry (2002), California State University, Fullerton

#### PROFESSIONAL SUMMARY

Mr. Rene Perez oversees and leads our data management and data visualization section. Mr. Perez has over twenty-five years of experience specializing in geologic, groundwater, contaminate transport, hydrometeorologic, aerial photo interpretation, hydrogeologic investigations/modeling, including three-dimensional visualization of complex data, and environmental remote sensing/GIS analysis. Mr. Perez also specialized in the differential mapping of topographic changes related to landslides, flooding, subsidence, fluvial aggradation/degradation, and grading. These efforts are used in our consulting and litigation services to serve better the client's understanding of the nature of a problem and the methods of solving the problems. Technology for communication and information is critical to providing clear and meaningful data evaluations. Mr. Perez is also a licensed geologist and a certified hydrogeologist with a master's degree in geology; this enables him to create logical links of databases and to pull from them the essential elements into visualization and model independently and interactively with the client and other key team members. Mr. Perez has experience in remote sensing and is a certified Unmanned Aerial Vehicle (UAV) Pilot, which he employs to obtain high-resolution low-altitude aerial and thermal infrared photography. The aerial photography produces accurate high-resolution topographic maps and 3D photorealistic models. The models offer a way for Mr. Perez to help clients visualize complex sites and quantify changes in topography. He has also been retained and testified in several litigation cases

#### CERTIFICATIONS

California Professional Geologist (PG-8184) California Certified Hydrogeologist (CHG-997) US Department of Transportation FAA Remote Pilot Certificate (3908785)

#### PROFESSIONAL PROFILE

2010 - Present, Senior Hydrogeologist with Earth Forensics Inc.

1998 - 2005 and 2010 to Present, Geology and GIS Consulting, Riverside, California for Applied Geokinetics, Inc., Advance Earth Sciences, Cato Geosciences, Carlin Environmental, Chang Consultants, Environmental Engineering & Contracting, Inc., Evergreen Arborist Consultants, Hromadka & Associates, Summit Environmental Contractors, and Terrax Environmental Consulting.

2006 - 2009. Project Geologist / GIS Manager with Hromodka & Associates.

2002 - 2006, Research Assistant/Project Manager with the Department of Geological Sciences, California State University, Fullerton, California.

1999 - 2006, Staff Consultant / GIS Specialist with Earth Consultants International

#### SELECTED CONSULTING, RESEARCH, AND EMPLOYMENT EXPERIENCE

#### Selected Project Experience

 Newberry Springs, CA. Assessment of Hydrogeologic conditions and overdraft of the Baja Sub-Basin. Evaluation of current water allocations and safe yield calculations of the Alto, Centro, and Baja Sub-Basins as set forth in Adjudication Judgement. Analysis of deficiencies in watermaster's water budgets as they relate to continued overdraft in the Baja Basins.

 Olivenhain Municipal Water District, CA. Evaluated groundwater resources. Work included the siting of new monitoring wells for the sole purpose of developing their groundwater resources.

 Long Beach, CA. Developed calculations of dewatering operations for Gerald Desmond Bridge Replacement Project. Included well design.

 City of Industry, CA. Developed calculations for dewatering operations at a grade separation project.

 Denver, CO. Hydrogeological assessment of production well and its impact on neighboring domestic wells.

 Santa Clarita Area, CA. Conducted a baseline hydrogeological assessment using Thermal Infrared Imagery of the SR14 High-Speed Rail Alignment.

#### Mojave River Basin Research

Project Manager for Mojave Water Agency Research Grant, managed fieldwork and data input activities and performed scientific research. Projects included groundwater flow and recharge studies, water quality surveys, stream gaging, surveying groundwater monitoring wells, and well boring log database.

 Evaluation and Mapping - Mojave Desert Region (Alto, Este, Oeste and Centro Hydrologic Sub-areas). GPS surveyed, down-hole video-camera, and down-hole geophysics of Agencies key wells throughout the basin. Conducted stream gage measurements during dam releases.

 Water Resource Research within the Mojave Desert. Part of this project is to develop a GIS/Database inventory of all wells, groundwater elevations and hydrogeochemistry of each basin within the boundaries of MWA. Specific portions of the grant have been set aside to collect and analyze data from a 2,500-foot-deep multiport monitoring well in the vicinity of Oro Grande Wash. Installed Differential GPS Survey base station.

Groundwater Investigations to look at potential recharge areas throughout the Southern.
 Mojave Desert Area. Establishment of digital well log inventory and bibliographic search of all documents pertaining to MWA water agency. CSUF was also in charged with developing a key well program for Lucerne Valley based on groundwater basin recharge.

#### **APPENDIX A2 - REFERENCES**

NAME OF ENTITYSanta Ana River Watershed Project AuthorityADDRESS11615 Sterling AveCITY, STATE, ZIP CODERiverside, CA 92503CONTACT NAMERachel Gray, Water Resources & Planning ManagerTELEPHONE #( 951) 354-4242E-MAIL ADDRESSrgray@sawpa.org	
CITY, STATE, ZIP CODE     Riverside, CA 92503       CONTACT NAME     Rachel Gray, Water Resources & Planning Manager       TELEPHONE #     (951) 354-4242	
ZIP CODE     Riverside, CA 92303       CONTACT NAME     Rachel Gray, Water Resources & Planning Manager       TELEPHONE #     ( 951 ) 354-4242	
TELEPHONE # ( 951) 354-4242	
E-MAIL ADDRESS rgray@sawpa.org	
PROJECT NAME Ambient Water Quality Recomputation for the Santa A	na River Watershed
COMPLETION DATE June 2020	
APPROX. COST \$366,273	
REFERENCE #2	
NAME OF ENTITY Eastern Municipal Water District	
ADDRESS 2270 Trumble Road	
CITY, STATE, ZIP CODE Perris, CA 92572	
CONTACT NAME Tom Henderson, Principal Engineering Geologist	
TELEPHONE # (951) 928-3777	
E-MAIL ADDRESS hendersont@emwd.org	
PROJECT NAME Perris North Basin Groundwater Contamination Protection an	d Recovery Program
COMPLETION DATE N/A	
APPROX. COST N/A	
REFERENCE #3	
NAME OF ENTITY San Bernardino Valley Municipal Water District	
ADDRESS 380 E Vanderbilt Way	
CITY, STATE, ZIP CODE San Bernardino, CA 92408	
CONTACT NAME Chris Jones, Project Manager	
TELEPHONE # (909) 387-9255	
E-MAIL ADDRESS chrisj@sbvmwd.com	
PROJECT NAME Water Supply Studies for Jensen-Alvarado Historic Ranch & L	ouis Robidoux Parkland
COMPLETION DATE N/A	
APPROX. COST \$115,350	

Instructions: Proposer shall provide two to three customer references.

### APPENDIX A3 - SUBCONTRACTORS LIST

NAME UNDER WHICH SUBCONTRACT IS LICENSED	LICENSE NUMBER	ADDRESS AND PHONE NUMBER OF OFFICE, MILL OR SHOP	SPECIFIC DESCRIPTION SUBCONTRACT	
EarthForensics, Inc.	C3263192	12532 Vista Pariorama, North Tustin, CA 92705	As-Needed Professional Hydrogeological Services	

#### **APPENDIX A4 - ADDITIONS, DELETIONS AND/OR EXCEPTIONS**

Please state any and all Additions, Deletions and Exceptions that you are taking to any portion of this RFP, the General Services Agreement (GSA), and/or Task Order (shown in Appendix 2 – "Standard Contract Documents – Task Order and GSA"). If not addressed below, then SAWPA assumes that the Consultant will adhere to all terms and conditions listed.

SAWPA will issue a Task Order and GSA in its standard form to the successful Consultant for the services contemplated herein. Any deletion, exception, or modification taken to SAWPA contract terms and conditions will be evaluated, in addition to the specified criteria; and may, itself, result in non-acceptance by SAWPA. Any request for deletion, exception, or modification, if so taken, must be submitted at the time of proposal.

WSC has read and is in substantial agreement with the sample Agreement for Services

provided by SAWPA with the RFP. We respectfully request SAWPA's consideration of the

requested changes outlined on the following pages. We are confident that we can quickly

come to mutually agreeable terms as we have in the past.

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

- 1. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
- Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.
- 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, designated 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:

- Additional Insured Status: SAWPA, its directors, officers, employees, and authorized volunteers are to be given <u>Additional</u> insured status<u>on the General Liability</u> (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 <u>General Liability</u> 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 <u>30 days</u>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 <del>either</del> the named insured <del>or SAWPA.</del>

**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, <del>certified</del> copies of all required

**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 beento the extent caused by or resulting from, any negligence, recklessness, or willful misconduct of Consultant. To the extent permitted by law, Consultant shall hold harmless, defend (except for professional liability and workers comp claims) 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 alto the extent caused by the negligent acts or omissions of Consultant or its officers, designated 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. Consultant shall not be required to defend any indemnitee against professional liability claims buts shall reimburse the indemnitee for reasonable attorneys' fees and legal costs to the extent any such claim is caused by Consultant's negligence or willful misconduct. In no event shall the cost of defense charged to the Consultant exceed the Consultant's proportionate percentage of fault.

**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

**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 and Consultant shall perform its services as expeditiously as possible, consistent with the professional standard of care and the orderly progress of the Project. 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 fullappropriate 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.

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**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 of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full.



# Approval of Consultant Contract with WSC, Inc. for Monitoring Plan - Santa Ana River Reach 3 Total Dissolved Solids Special Study

Commission Meeting Item No. 6.B

Rachel Gray, Water Resources & Planning Manager Santa Ana Watershed Project Authority

April 1, 2025

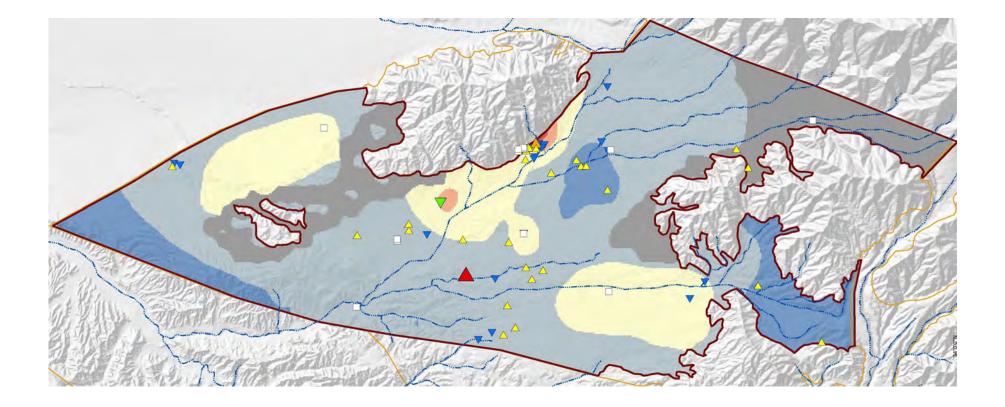
# Recommendation

It is recommended that the Commission authorize the General Manager, or his designee, to execute the following to implement the Monitoring Plan for the Santa Ana River Reach 3 Total Dissolved Solids Special Study:

- **1.** General Services Agreement with Water Systems Consulting, Inc. (WSC); and
- 2. Task Order No. WSC374-02 for an amount not to exceed \$159,602.

# Agenda

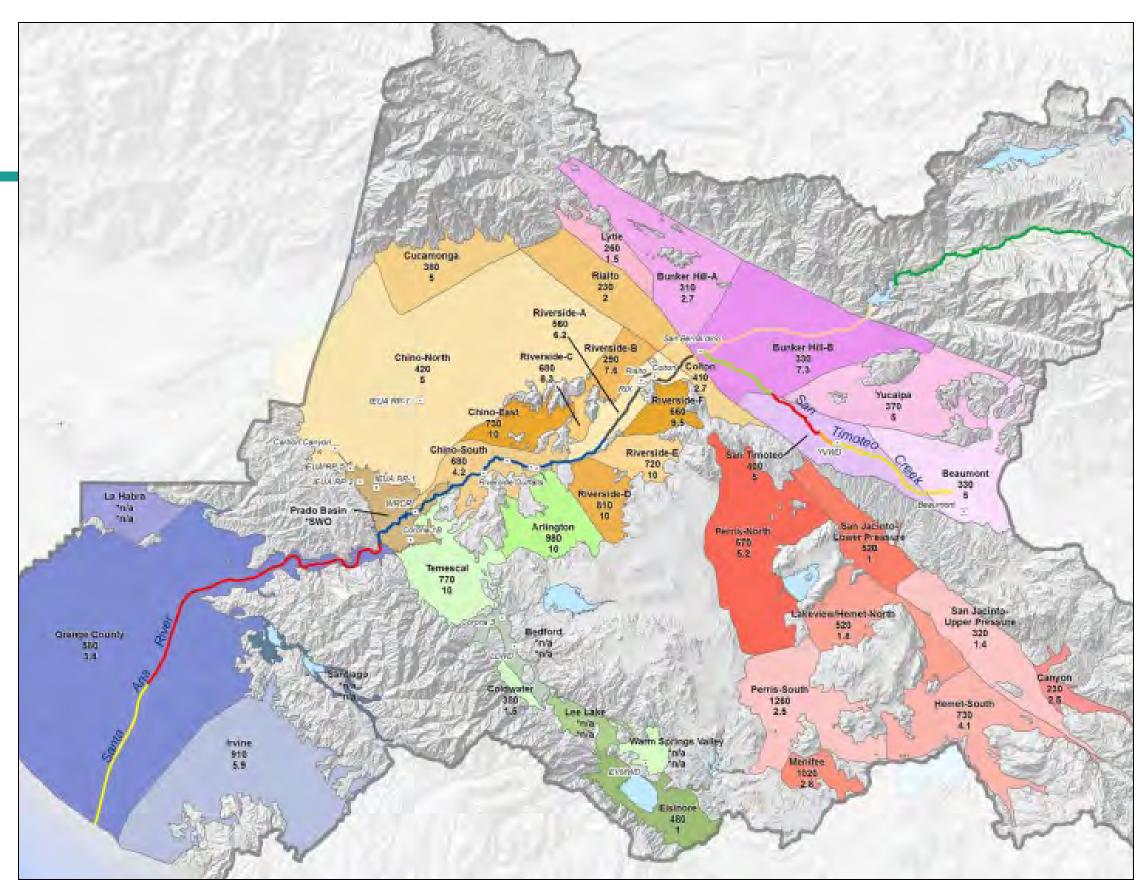
- Basin Monitoring Program Task Force:
  - Overview
  - RFP Approval
  - Task Force Members
- Reach 3 Special Study:
  - Objective
  - Area of Focus
- Consultant Selection Process:
  - Proposal Evaluation Process
  - Consultant Selection:
    - Scoring
    - Project Highlight
    - Schedule
    - Budget
- Recommendation



Basin Monitoring Program Task Force Formed to Implement TDS/N Management Plan

### **Roles & Activities**

- Conducts analysis of Total Dissolved Solids (TDS) and Nitrate (N) in watershed groundwater every three (now five) years to identify trends
- Prepares Annual Santa Ana River surface water quality report
- Creates and updates Santa Ana River Wasteload Allocation model to confirm compliance of river discharges with ground water quality objectives
- Conducts salt and nitrogen investigations as necessary

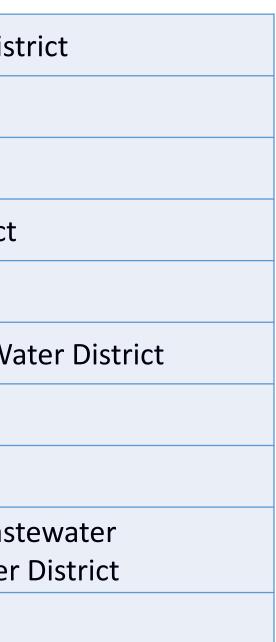


# RFP Prepared by Basin Monitoring Program Task Force

### **Task Force Members**

Beaumont Cherry Valley Water District	Elsinore Valley Municipal Water Dis
Chino Basin Watermaster	Inland Empire Utilities Agency
City of Banning	Irvine Ranch Water District
City of Beaumont	Jurupa Community Services District
City of Corona	Orange County Water District
City of Redlands	San Bernardino Valley Municipal Wa
City of Rialto	San Gorgonio Pass Water Agency
City of Riverside	Temescal Valley Water District
	Western Riverside Co Regional Was Authority/Western Municipal Water
Eastern Municipal Water District	Yucaipa Valley Water District

Santa Ana Regional Board also a non-funding task force member agency







## Request For Proposals (RFP) Approved

- RFP developed by Task Force throughout 2024.
- Approved by SAWPA Commission and released on November 19, 2024.



### Basin Monitoring Program Task Force

### Request for Proposals For Consulting Services For Monitoring Plan - Special Study of Total Dissolved Solids for Santa Ana River Reach 3

SANTA ANA WATERSHED PROJECT AUTHORITY NOVEMBER 19, 2024

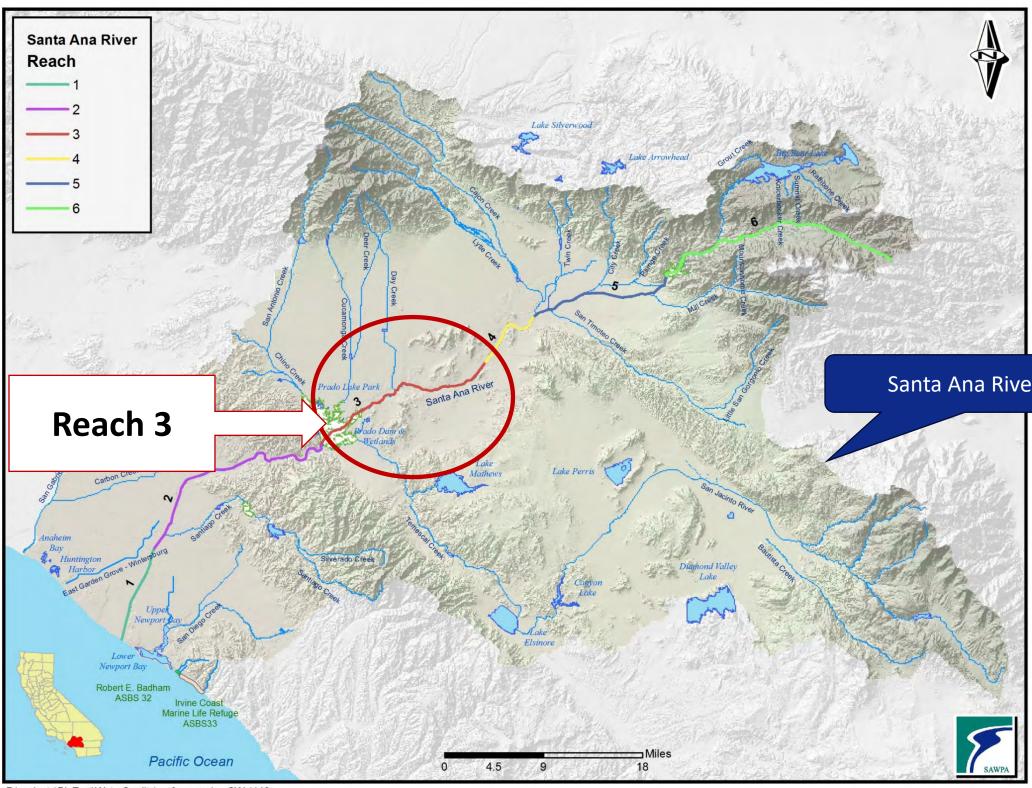
# Impetus for Special Study

- The first recent excursion of TDS over 700 mg/L occurred in 2013 and was reported in the 2013 Annual Report.
  - There has been several excursions over 700 mg/L since 2013 as reported in the Annual Report.
- Sound science is needed to understand fluctuating TDS level on downstream end of Reach 3 (below Prado Dam).
- The next Integrated Report data collection effort will occur in approximately the middle of 2026.



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## Santa Ana River Reaches



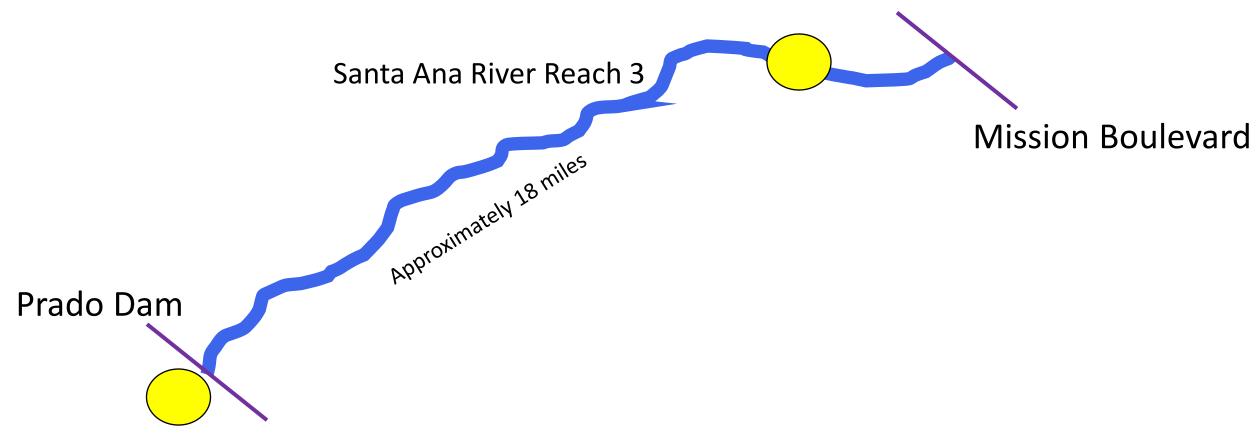
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Reach 3 – Prado Dam to Mission Boulevard in Riverside City.

### Santa Ana River Basin

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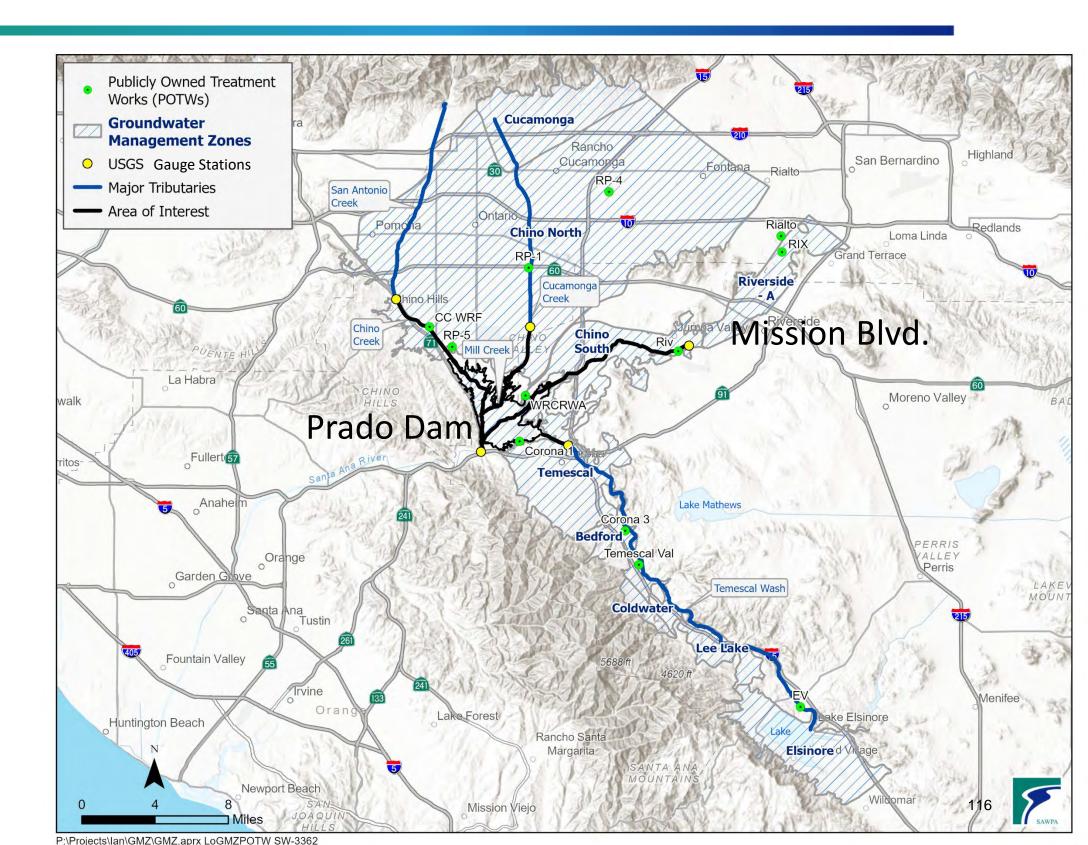
# Reach 3 (Basin Plan Definition)



- Santa Ana River Reach 3 is described in the Basin Plan as "Prado Dam to Mission Boulevard in [the City of] Riverside."
- There are several stream gauging stations (shown as ()) in this area along the Santa Ana River.
- There are several tributaries that connect to Reach 3 (Temescal Wash, Chino Creek, and Cucamonga/Mill Creek).

# Area of Interest for Special Study (Black Lines)

- Area of interest is bounded by areas with regularly collected streamflow data, making it easier to quantify TDS fluctuations.
- Area includes tributaries to Reach
   3 (to their upstream extent that has a stream gauge station).
- The nearby and underlying groundwater management zones highlighted for information sharing purposes.



## Monitoring Plan

- The goal of this effort is to produce a Monitoring Plan that identifies what metrics to monitor related to the following question - why are there fluctuating TDS concentrations during baseflow conditions at the downstream terminus of the Santa Ana River Reach 3 AOI?
  - The Monitoring Plan is necessary because TDS is fluctuating around the antidegradation objective of 700 mg/L for Reach 3.
- Monitoring plan will include **what** items should be monitored, and what their **costs are**.
- The Task Force will decide and direct content of final plan.

# **RFP Scoring and Evaluation**

- Four firms submitted RFP proposals by the February 6, 2025, deadline.
  - CWE Corp.
  - Kinnetic Environmental, Inc
  - West Yost Associates
  - Water Systems Consulting (WSC)
- The Task Force's scoping committee, which is composed of various agencies that volunteer to vet RFPs and consultant proposals, scored the four firms using the RFP's selection criteria.
- After the initial scoring, the top two scoring firms were interviewed. After the interviews, the scoping committee rescored the two firms interviewed.
  - The scoping committee recommended the top scoring firm, WSC, to the full Basin Monitoring Task Force.
  - The Task Force approved the recommendation.

### **RFP** Criteria

1. Qualifications and Experience (Firm and Personnel)

2. Quality of the Proposed Scope

- 3. Price & Payment Terms
- 4. Exceptions Taken to RFP

## Scoring Summary

• The scores of the four firms before the interviews are provided in the table below:

WSC	Firm A	Firm B
163.45	114.73	128.36

 The scores of the top two firms after the interviews were as follows:

WSC	Firm C
127.7	124.2

The specific ratings of the other firms are kept confidential and coded as the three other firms in the tables. 13 | sawpa.gov 119

Firm C 163.82

# Firm Profile: MUSC

Project Experience Highlighted in their RFP Proposal:

- Ambient Water Quality Recomputation for the Santa Ana River Watershed
- Perris North Basin Groundwater Contamination Protection and Recovery Program (Perris North Program)
- Water Supply Studies for Jensen-Alvarado Historic Ranch & Louis Robidoux Parkland

Their proposal included a partnership with Dr. W. Richard Laton, Professor of Hydrogeology at CSU Fullerton and founder of Earth Forensics

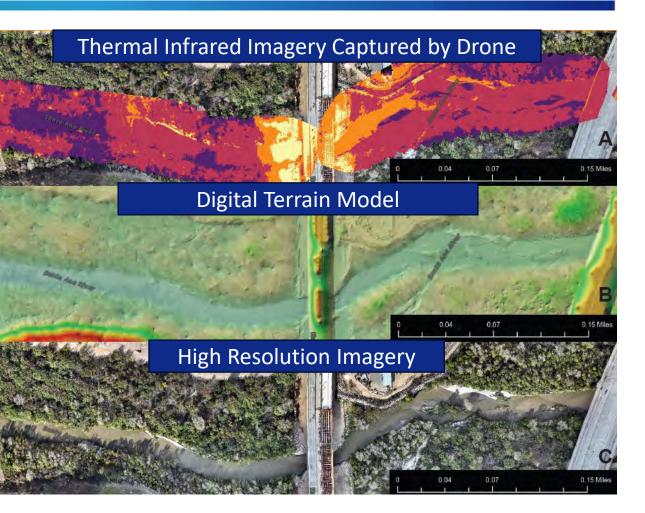
### **About WSC**

Type of Corporation: **S-Corporation Date of Incorporation:** December 4, 2007 **Location of Incorporation:** California Size of Company: 66 employees **Local Offices:** WSC Inland Empire in Ontario (20 miles from SAWPA) WSC Laguna Hills (36 miles from SAWPA)

# Proposal Highlight

- The Team shared their research, which integrates thermal infrared imagery with traditional hydrogeological field techniques\*, focused on ground-surface water interactions along the Santa Ana River Reach 3.
  - This was of interest to the scoping committee for understanding what can be identified in the eventual Monitoring Plan.

\*Traditional hydrogeological field techniques include groundwater level monitoring with piezometers and ambient water quality testing.



Three Data Layers for Same Area of the Santa Ana River Reach 3

## WSC Schedule

	Task Name	Duration	Start	Finish	Feb	1.5	Mar	Qtr 2,	2025	May	1	lun	Qtr 3, 202	25	Aug	1	Sep	Qtr 4, 20	Nev	1	Dec	Qtr 1, 2	2026	Feb
Task 1	Update Mass Balance Calculations	110 days	Mon 4/21/25	Fri 9/19/25	1 5.62		17.00			may														
Task 2	Coordination with Groundwater	70 days	Mon 6/9/25	Fri 9/12/25							t													
Task 3	Monitoring Plan	115 days	Mon 8/11/25	Fri 1/16/26																				
Task 4	Project Management	216 days	Mon 4/21/25	Mon 2/16/26	2				-															-

Note: Per the RFP, "A new contract will be procured by the Task Force to implement the monitoring that is agreed upon by the Task Force via the finalization of the Monitoring Plan document."

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## WSC Budget

Task					wsc		Earth rensics	ALL FIRMS		
No.	Task Description	La	WSC bor Fee	E	kpenses	WSC Fee	La	bor Fee	Total Fee	
	Billing rates, \$/hr									
1	Update Mass-Balance Calculation for Baseflow Conditions									
1.1	Review Existing Data & Definitions	\$	3,016	\$	-	\$ 3,016	\$	-	\$	3,016
1.2	Data Collection and Validation	\$	6,114	\$	-	\$ 6,114	\$	-	\$	6,114
1.3	Mass-Balance Calculations	\$	8,438	\$	-	\$ 8,438	\$	-	\$	8,438
1.4	Technical Memorandum	\$	22,982	\$	-	\$ 22,982	\$	-	\$	22,982
	SUBTOTAL	\$	40,550	\$	-	\$ 40,550	\$	-	\$	40,550
2	Coordination with Groundwater Managers									
2.1	Existing Documents and Framework	\$	7,290	\$	-	\$ 7,290	\$	-	\$	7,290
2.2	Engage with Groundwater Managers	\$	9,376	\$	-	\$ 9,376	\$	-	\$	9,376
2.3	Memorandum	\$	12,834	\$	-	\$ 12,834	\$	-	\$	12,834
	SUBTOTAL	\$	29,500	\$	-	\$ 29,500	\$	-	\$	29,500
3	Monitoring Plan									
3.1	Review and Analysis of Existing Data	\$	6,008	\$	-	\$ 6,008	\$	-	\$	6,008
3.2	Development of Monitoring Plan	\$	18,150	\$	-	\$ 18,150	\$	3,450	\$	21,600
3.3	Stakeholder Review and Finalization	\$	9,276	\$	-	\$ 9,276	\$	1,035	\$	10,311
	SUBTOTAL	\$	33,434	\$	-	\$ 33,434	\$	4,485	\$	37,919
4	Task Force Project Management									
4.1	Project Kick-Off and Initial Coordination	\$	7,988	\$	100	\$ 8,088	\$	1,380	\$	9,468
4.2	Monthly Coordination Meetings	\$	12,720	\$	200	\$ 12,920	\$	-	\$	12,920
4.3	Stakeholder Engagement and Monitoring Coordination	\$	6,484	\$	-	\$ 6,484	\$	2,300	\$	8,784
4.4	Ongoing Coordination with SAWPA, BMP Scoping Committee & Regulatory Strategy Consultant	\$	9,626	\$	-	\$ 9,626	\$	1,035	\$	10,661
4.5	Administrative Actions	\$	9,800	\$	-	\$ 9,800	\$	-	\$	9,800
	SUBTOTAL	\$	46,618	\$	300	\$ 46,918	\$	4,715	\$	51,633
	COLUMN TOTALS	\$	150,102	\$	300	\$ 150,402	\$	9,200	\$	159,602

10% mark-up on direct expenses; 15% mark-up for sub-contracted services

Standard mileage rate \$0.700 per mile (or current Federal Mileage Reimbursement Rate)

## Funding Source

• Funding is provided by annual contributions of the 20 Task Force members.

Beaumont Cherry Valley Water District	Elsinore Valley Municipal Water District
Chino Basin Watermaster	Inland Empire Utilities Agency
City of Banning	Irvine Ranch Water District
City of Beaumont	Jurupa Community Services District
City of Corona	Orange County Water District
City of Redlands	San Bernardino Valley Municipal Water District
City of Rialto	San Gorgonio Pass Water Agency
City of Riverside	Temescal Valley Water District
Colton/San Bernardino Regional Tertiary Treatment and Wastewater Reclamation	Western Riverside Co Regional Wastewater Authority/Western Municipal Water District
Eastern Municipal Water District	Yucaipa Valley Water District

# Requested General Service Agreement Changes

- WSC has several requested changes to the SAWPA General Services Agreement. These changes are related to the:
  - Waiver of Subrogation
  - General Liability Policy, as well as SAWPA and Consultant Liabilities in general
  - Verification of Coverage
  - Miscellaneous provisions related to completing the work expeditiously
- SAWPA legal counsel reviewed.

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## Recommendation

It is recommended that the Commission authorize the General Manager, or his designee, to execute the following to implement the Monitoring Plan for the Santa Ana River Reach 3 Total Dissolved Solids Special Study:

- **1.** General Services Agreement with Water Systems Consulting, Inc. (WSC); and
- 2. Task Order No. WSC374-02 for an amount not to exceed \$159,602.

# Questions

Rachel Gray Santa Ana Watershed Project Authority Office (951) 354-4242 rgray@sawpa.gov sawpa.gov



@sawpatube

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### **COMMISSION MEMORANDUM NO. 2025.29**

DATE:	April 1, 2025
TO:	SAWPA Commission
SUBJECT:	Letter of Support for Senate Bill (SB) 72: California Water Plan: Longterm Water Supply Targets
PREPARED BY:	Jeff Mosher, General Manager

### RECOMMENDATION

It is recommended that the Commission authorize the General Manager to send a letter of support for SB 72 (Caballero): California Water Plan: Longterm Water Supply Targets – Support, as amended on March 18, 2025.

### DISCUSSION

Senate Bill (SB) 72 is a bill introduced by Senator Caballero to update the California Water Plan by establishing long-term water supply targets for the state. The bill aims to address California's water supply challenges amid climate change, population growth, and economic expansion, ensuring that the state can meet the water needs of its residents, agriculture, industry, and the environment in the future.

California urgently needs to establish long-term goals that will enhance and support Governor Newsom's Water Supply Strategy, extending beyond the scope of any single administration. Given the extreme climate impacts of the 21st century, a growing population, an expanding economy, the expected reduction in current water resources, and the increasing restrictions on groundwater use, the state must align its water supply strategy with a target that ensures a reliable and sufficient supply for all uses environmental, agricultural, economic, and for all Californians. Recent studies project a potential shortfall of 4.6 to 9 million acre-feet of water annually by 2050 if no action is taken. SB 72 will initiate the essential changes needed to secure a sustainable water future for the state.

The California Water Plan is the strategic plan for managing and developing water resources for current and future generations in the state. SB 72 works within the structure of the current California Water Plan, for these reasons, SAWPA urges your support of SB 72 (Caballero).

Attached is a proposed letter of support.

### RESOURCE IMPACTS

None.

Attachment:

1. Support Letter

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April 1, 2025

Senator Monique Limon Chair, Senate Natural Resources & Water Committee 1021 O Street, Suite 3220 Sacramento, CA 95814

### RE: SB 72 (Caballero): California Water Plan: Longterm Water Supply Targets – SUPPORT, as amended on March 18, 2025

Dear Chair Limon,

11615 Sterling Ave, Riverside, CA 92503

The Santa Ana Watershed Project Authority (SAWPA) strongly supports SB 72 (Caballero). SB 72 would create a process for updating the California Water Plan to include long-term water supply targets.

SAWPA was formed in 1975 as a joint power authority and comprises five member agencies: Eastern Municipal Water District, Inland Empire Utilities Agency, Orange County Water District, San Bernardino Valley Municipal Water District, and Western Municipal Water District. SAWPA focuses on a broad range of water resource issues, including water supply reliability, water quality improvement, recycled water, wastewater treatment, groundwater management, brine disposal, and integrated regional planning.

There is an urgent need for California to develop aspirational targets that will complement and amplify Governor Newsom's Water Supply Strategy and extend beyond any single Administration. Given the extreme climate impacts of the 21st century, an expanding economy, a growing population, the anticipated reductions from existing water resources, and the controls on the use of groundwater, California needs to align the state's water supply strategy and policies with a target that will result in an adequate and reliable water supply for all beneficial uses including the environment, agriculture, the economy, and all Californians. Recent research estimates a shortfall in California's future water supply between 4.6 and 9 million acrefeet annually by 2050 if the state takes no action.

SB 72 will bring the fundamental changes necessary to ensure a sustainable water future. Specifically, SB 72 will do the following:

• Transform water management in California, taking us from a perpetual state of supply vulnerability to a reliable and sufficient water supply that is adequate for all beneficial uses, including urban, agriculture, and the environment.



(951) 354-4220

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Letter of Support for SB 72 (Caballero) California Water Plan: Longterm Water Supply Targets April 1, 2025

- Create a new "North Star" water supply planning target for 2040 that the state will need to work toward, along with a process to develop a target for 2050.
- Preserve the California way of life, supplying water to our homes and communities, habitat and environment, recreation and tourism, and business and economic success.
   Support economic vitality for all businesses, from restaurants to technology companies and employers that depend on a reliable water supply.
- Fulfill the generational responsibility to develop a water system that will adapt to changes in the environment and allow the state to thrive now and for future generations.

Passing SB 72 will ensure that the California Water Plan is the strategic plan for managing and developing water resources for current and future generations in the state. SB 72 works within the structure of the current California Water Plan while also adapting for a 21<sup>st</sup>-century climate.

For these reasons, SAWPA urges your support of SB 72 (Caballero). If you have any questions, please contact me at jmosher@sawpa.gov.

Sincerely,

Maker

Jeffrey J. Mosher General Manager

cc: Senator Kelly Seyarto, Vice Chair, Senate Natural Resources & Water Committee Members, Senate Natural Resources & Water Committee Genevieve Wong, Principal Consultant, Senate Natural Resources & Water Committee Todd Moffitt, Republican Consultant, Senate Natural Resources & Water Committee Senator Anna Caballero







### **COMMISSION MEMORANDUM NO. 2025.30**

DATE:	April 1, 2025
TO:	SAWPA Commission
SUBJECT:	FYE 2026 and 2027 Budget
PREPARED BY:	Karen Williams, DGM/CFO

### RECOMMENDATION

It is recommended that the Commission review and discuss the draft FYE 2026 and 2027 Budget and consider adoption.

### DISCUSSION

On January 21, 2025, staff presented the FYE 2026 and 2027 Goals and Objectives to the Commission for their review. On February 6, 2025, the first draft FYE 2026 and 2027 Budget was presented to member agencies' financial staff at the Budget Workshop. There were some comments and suggested changes from the member agencies' financial staff which were incorporated into the budget. As per the Budget Schedule, the Budget will be presented to the Commission in three meetings. The OWOW and Roundtable Budgets were presented on March 4, 2025, the Brine Line Budget was presented and approved at the March 4, 2025, PA24 meeting, and the General Fund Budget was presented on March 18, 2025. Today staff will present the combined budget for review and possible adoption. The Budget will be brought back on May 6, 2025, for final adoption if not adopted today.

As in the past, the FYE 2026 and 2027 is a two-year budget and is being prepared in accordance with the Government Finance Officers Association's (GFOA) recommended guidelines and practices. SAWPA has received the GFOA Distinguished Budget Presentation Award for the last eight biennial budgets. Staff will submit the FYE 2026 and 2027 Budget for this award program after final adoption.

The following documents are attached for your review and will be discussed in detail during the Budget presentation (Attachment No. 2):

- Combined Summary A summary of the source and use of budgeted funds for FYE 2026 and 2027
- FYE 2026 Budget by Fund
- FYE 2027 Budget by Fund
- Budget Summary by Fund FYE 2022 through FYE 2027
- Detailed Schedule of Sources and Uses of Funds FYE 2026 and 2027
- Member Agency Contribution Schedule
- Summary of Labor Multipliers (Indirect Costs and Benefit Allocation Rates)
  - General Fund Costs FYE 2026 and 2027
  - Benefit Summary FYE 2026 and 2027

### **RESOURCE IMPACTS**

Member Agency Contributions will be \$454,680 per Member Agency for FYE 2026 (a 0.53% increase over FYE 2025) and will be \$484,247 per Member Agency for FYE 2027 (a 6.5% increase over FYE 2026).

Attachments:

- 1. Draft Budget FYE 2026 and 2027 Presentation Slides
- 2. Budget Documents:
  - Combined Summary A summary of the source and use of budgeted funds for FYE 2026 and 2027
  - FYE 2026 Budget by Fund
  - FYE 2027 Budget by Fund
  - Budget Summary by Fund FYE 2022 through FYE 2027
  - Detailed Schedule of Sources and Uses of Funds FYE 2026 and 2027
  - Member Agency Contribution Schedule
  - History of Member Agency Contributions 2002 2027
  - Summary of Labor Multipliers (Indirect Costs and Benefit Allocation Rates)
    - General Fund Costs FYE 2026 and 2027
    - Benefit Summary FYE 2026 and 2027



## FYE 2026 and 2027 Draft Budget





### Agenda

- Budget Highlights
- Budget Summary Combined
- Budget Detail by Fund Type
- Assumptions Used
- Benefit and Indirect Cost Allocation Rate
- Member Agency Contributions





## **Budget Highlights**

### **Grants Ending in FYE 2026**

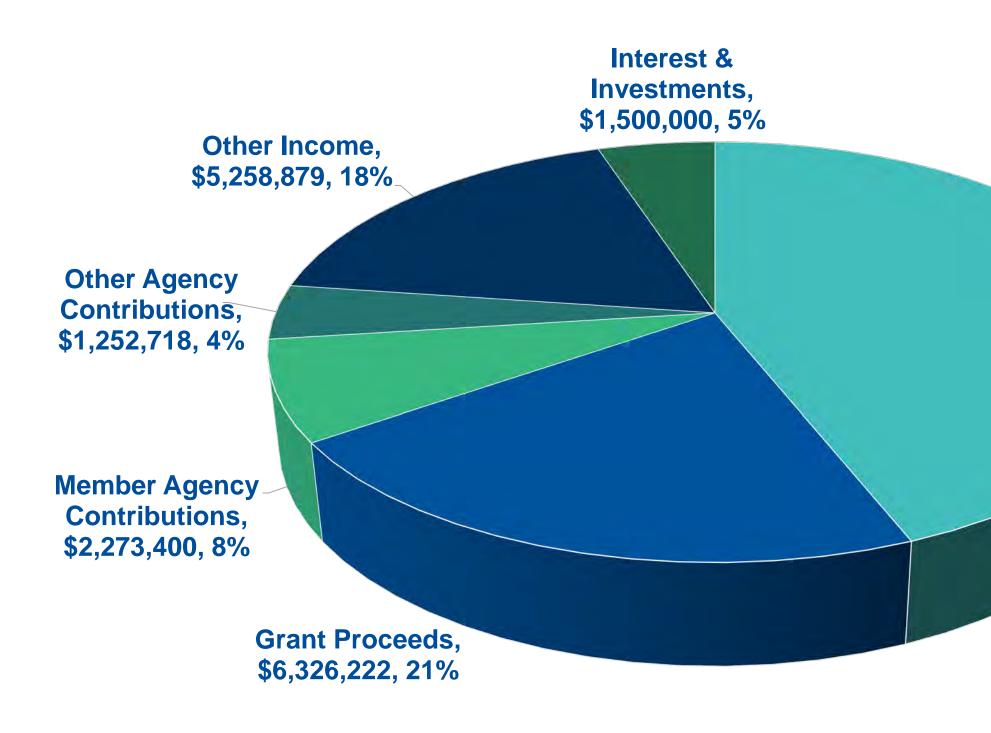
- Fund 145 Prop 84 Final Round Program Management  $\checkmark$
- Fund 504-04 Prop 84 Final (SARCCUP)
- Fund 397 WECAN City of Riverside
- Fund 398 Drought Relief Grant DACI
- **Grants Ending in FYE 2027** 
  - Fund 150 Prop 1 Round 1 Program Management  $\checkmark$
  - Fund 505 Prop 1 Round 1 Watershed-Wide Water Budget Decision Support Tool

## **Budget Highlights**

- **New Projects** Fund 376 Integrated Climate Adaptation & Resilience Program (ICARP)
- **Strategic Plan**
- **Implementation of Brine Line Master Plan**
- **Contract with Investment Management/Advisory firm**

### **Combined Budget**

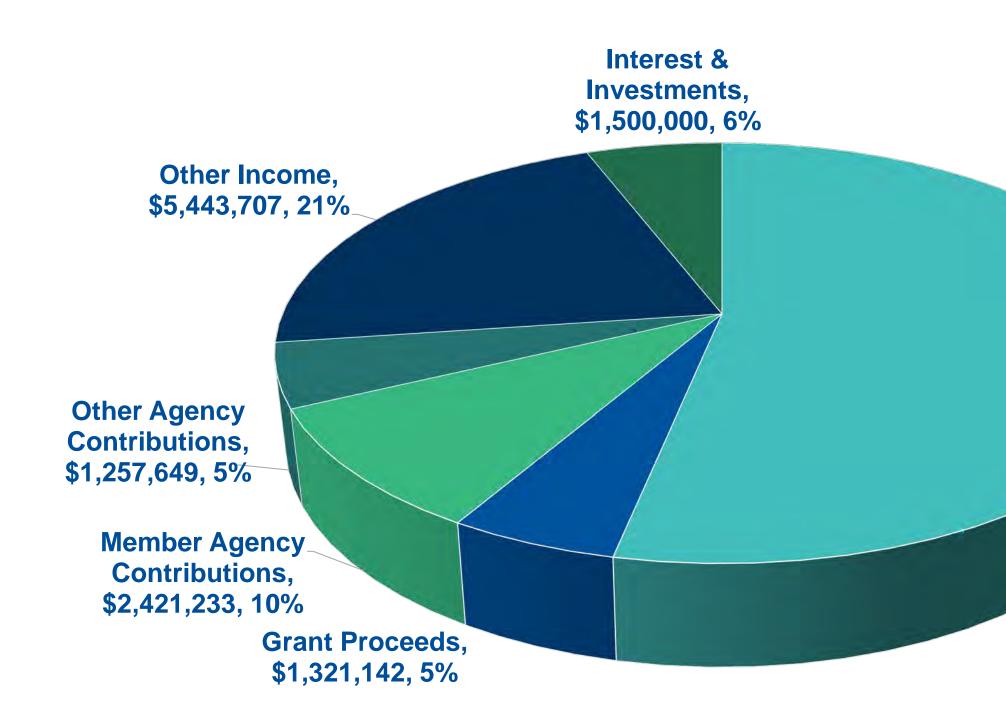
### FYE 2026 Revenues - \$29.6 Million



Discharge Fees, \$13,038,465, 44%

### **Combined Budget**

### FYE 2027 Revenues - \$25.5 Million



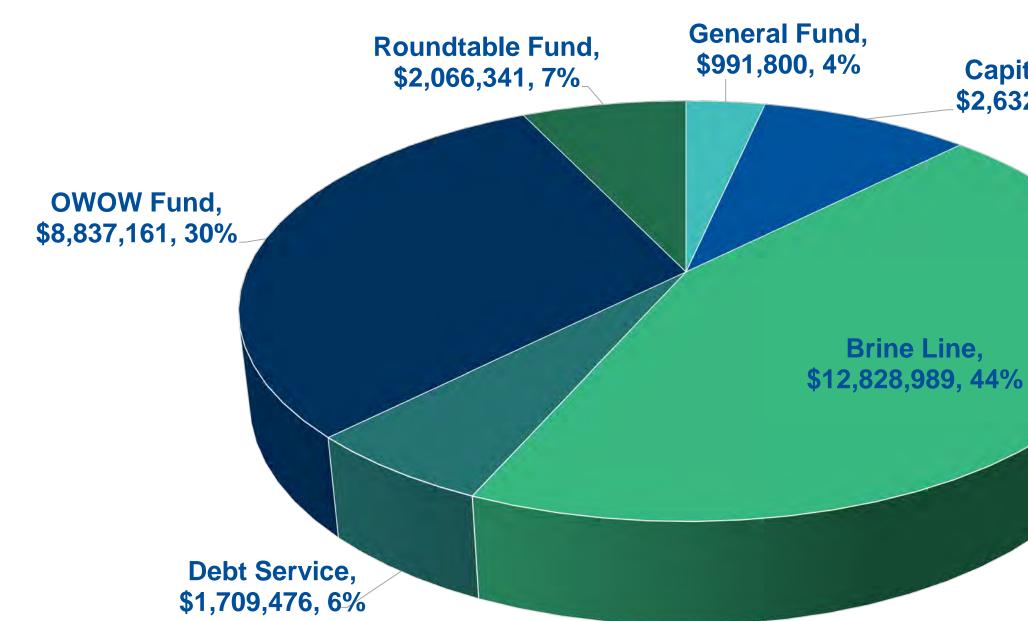
Discharge Fees, \$13,604,122, 53%

### Revenues by Source

Revenue Type	FYE 2025	FYE 2026	% Diff	FYE 2027	% Diff
Discharge Fees	\$12,405,112	\$13,038,465	5.1%	\$13,604,122	4.3%
Grant Proceeds	2,359,785	6,326,222	168.1%	1,321,142	-79.1%
Member Agency Contributions	2,261,410	2,273,400	0.53%	2,421,233	6.5%
Other Agency Contributions	1,324,212	1,252,718	-5.40%	1,257,649	0.39%
Interest & Investments	673,000	1,500,000	122.9%	1,500,000	0.0%
Use of Reserves	1,870,013	2,632,558	40.8%	4,828,641	83.4%
Mitigation Credit Sales	889,800	2,014,560	126.4%	0	-100.0%
Other Income	188,285	192,111	2.03%	223,516	16.3%
Operating Transfers	120,320	419,650	248.77%	391,550	6.69%
Total	\$22,091,937	\$29,649,684	34.21%	\$25,547,854	13.83%
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### **Combined Budget**

### FYE 2026 Expenses - \$29.1 Million

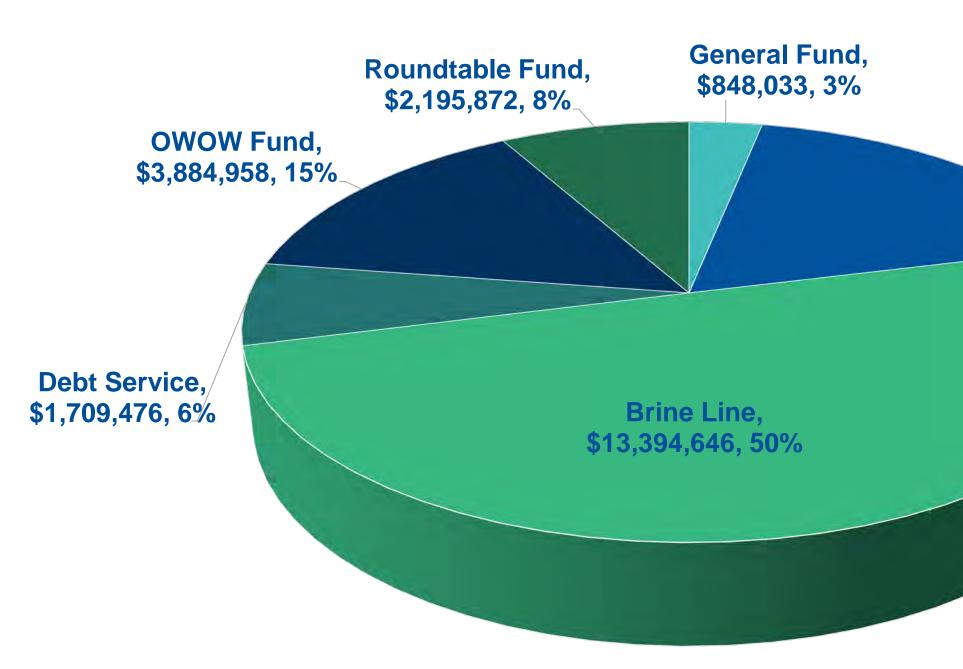




### **Capital Fund**, \$2,632,558, 9%

### **Combined Budget**

### FYE 2027 Expenses - \$26.9 Million



### Capital Fund, \$4,828,641, 18%

## Expenses by Fund

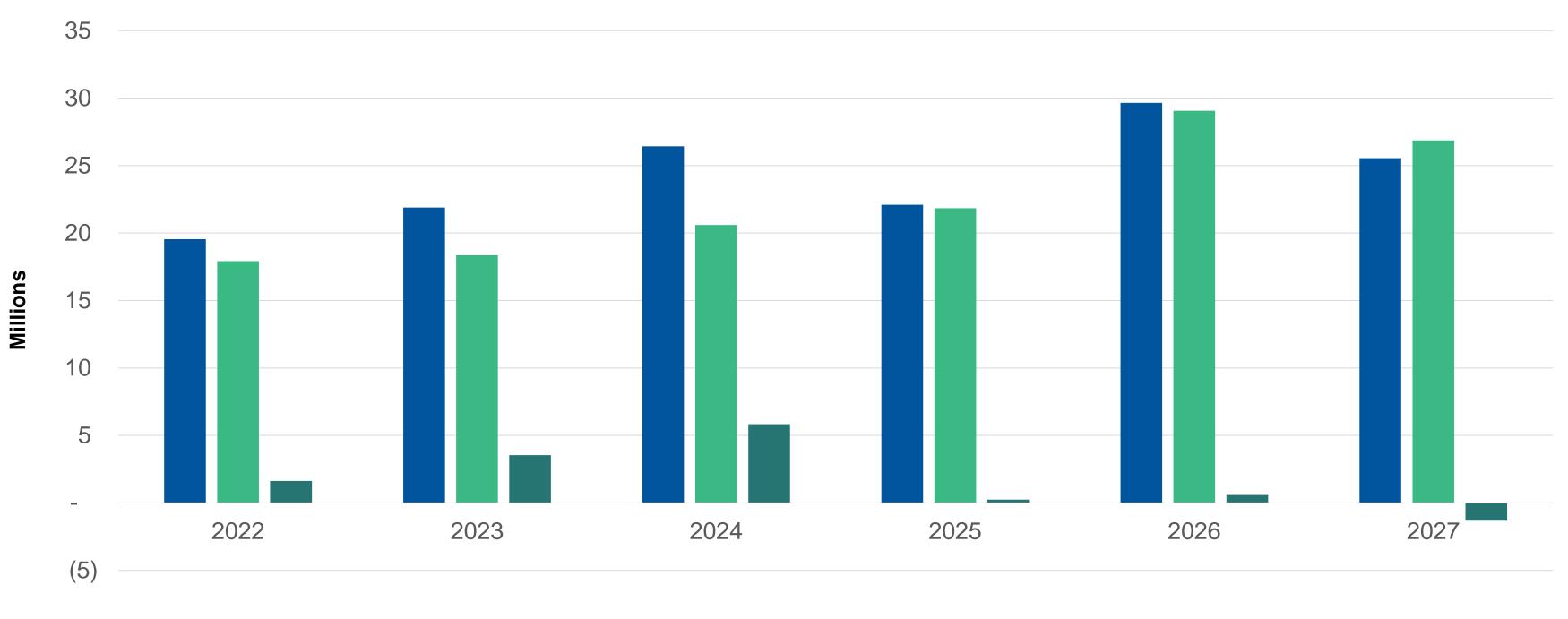
Fund Type	FYE 2025	FYE 2026	% Diff	FYE 2027	% Diff
General Fund	\$712,910	\$991,800	39.1%	\$848,033	14.5%
Brine Line Fund	13,078,112	14,538,465	11.2%	15,104,122	3.9%
OWOW Fund	4,229,319	8,837,161	108.9%	3,884,958	56.0%
Roundtable Fund	1,953,263	2,066,341	5.8%	2,195,872	6.3%
<b>BL</b> Capital Fund	1,870,013	2,632,558	40.8%	4,828,641	83.4%
Total	\$21,843,617	\$29,066,325	33.1%	\$26,861,626	7.6%

## Historical Revenues & Expenses

	FYE	Revenues	Expenses	Fund Balance Contributions to/ (use of)
	2022	\$19,541,979	\$17,918,492	\$1,623,487
Actual	2023	21,895,635	18,354,743	3,540,892
	2024*	26,428,481	20,599,659	5,828,822
Budget	2025	22,091,937	21,843,617	248,320
	2026	29,649,684	29,066,325	583,359
	2027	25,547,854	26,861,626	(1,313,772)

\*Includes one-time Capital Contribution for Agua Mansa Loan and cost share of \$2.2 million

### Historical Revenues & Expenses



Revenues

Expenses Fund Balance

## Brine Line Operations & Capital Budget

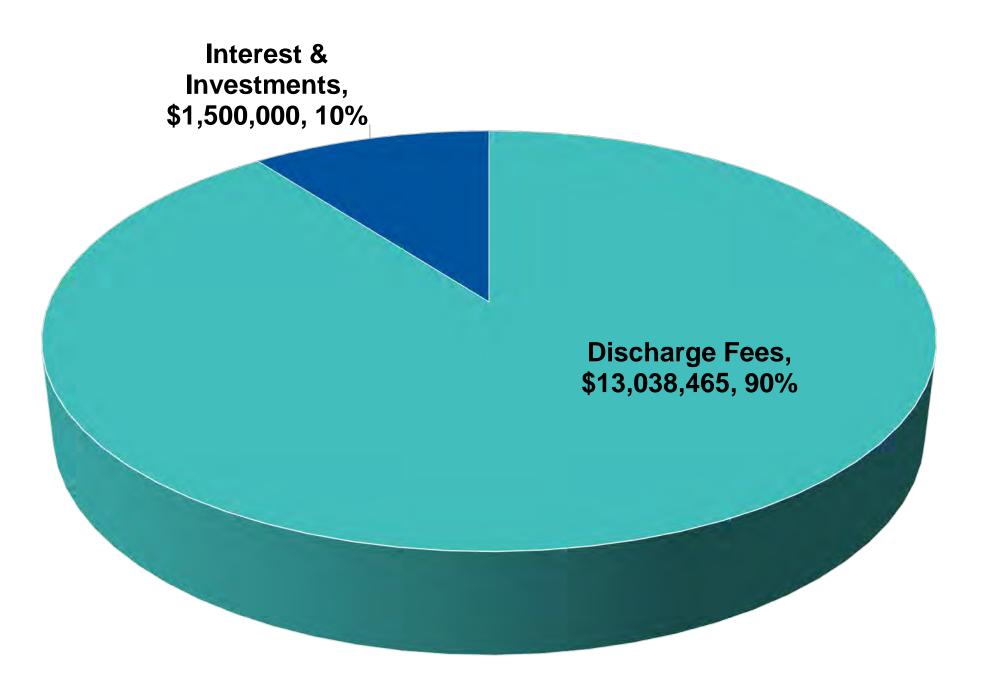


## Brine Line Enterprise Revenues

Revenue	FYE 2025	FYE 2026	FYE 2027
Discharge Fees	\$12,405,112	\$13,038,465	\$13,604,122
Interest & Investments	673,000	1,500,000	1,500,000
Total	\$13,078,112	\$14,538,465	\$15,104,122
Flow (MGs) per year	4,161	4,380	4,490
BOD (1,000 lbs.)	1,050	1,050	1,100
TSS per (1,000 lbs.)	2,600	3,000	3,100
Truck Discharge (MGs) per year	30.6	32.0	35.2

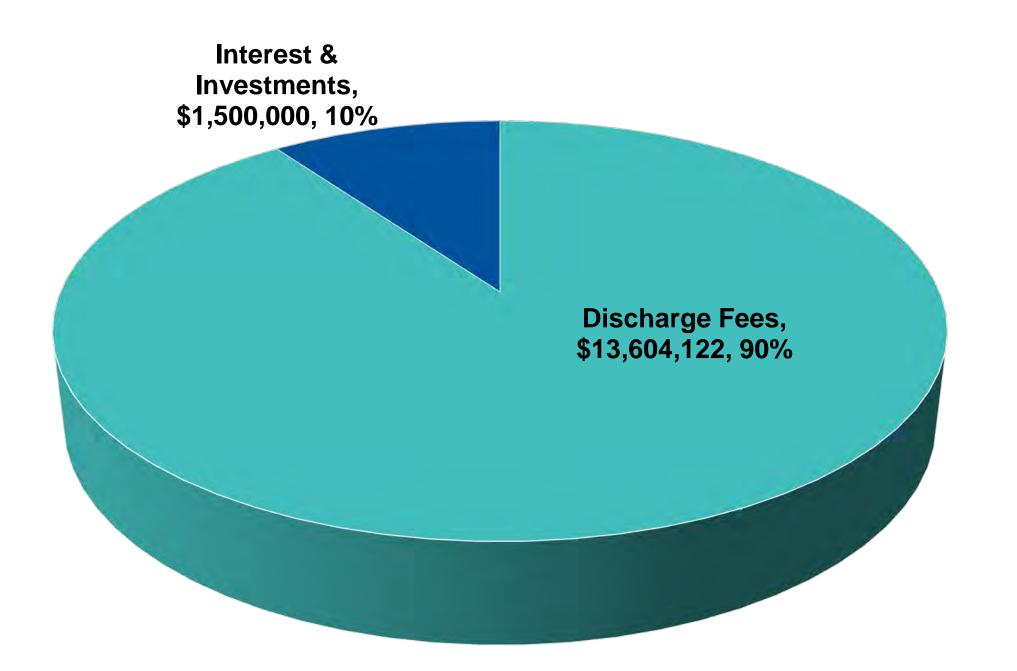


#### **Brine Line Revenues - \$14.5 Million**





#### **Brine Line Revenues - \$15.1 Million**



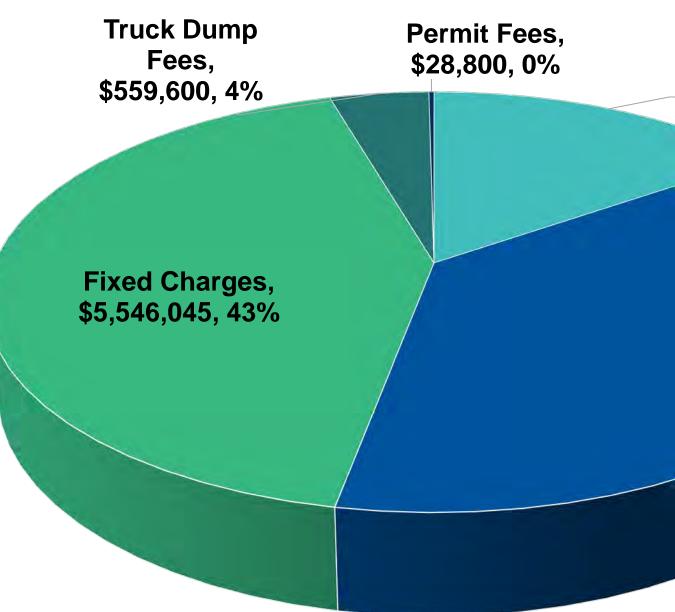
## Discharge Fees

Revenue	FYE 2025	FYE 2026
BOD/TSS Fees	\$1,900,850	\$2,002,800
Volumetric Fees	4,564,617	4,901,220
Fixed Charges	5,396,025	5,546,045
Truck Dump Fees	517,020	559,600
Permit Fees	26,600	28,800
Total	\$12,405,112	\$13,038,465

% Diff	FYE 2027	% Diff
5.4%	\$2,179,500	8.8%
7.4%	5,123,090	4.5%
2.8%	5,657,172	2.0%
8.2%	615,560	10.0%
8.3%	28,800	0.0%
5.1%	\$13,604,122	4.3%

#### FYE 2026

#### **Discharge Fees - \$13.0 Million**

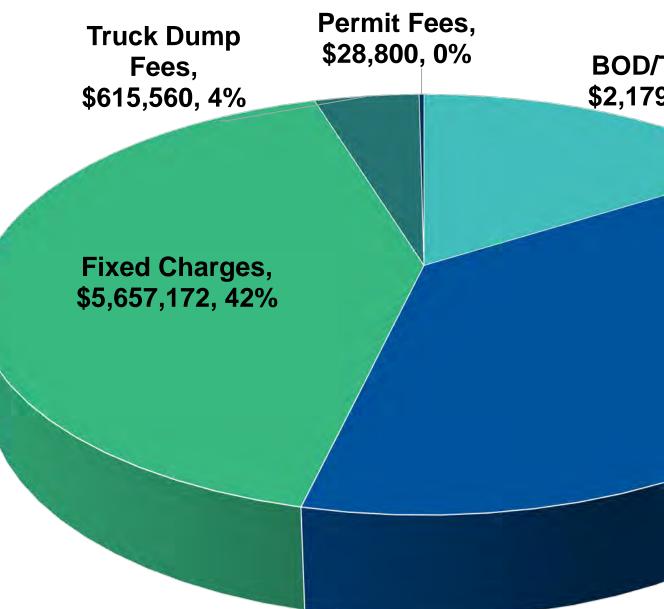


**BOD/TSS Fees**, \$2,002,800, 15%

> Volumetric Fees, \$4,901,220, 38%

### FYE 2027

#### **Discharge Fees - \$13.6 Million**



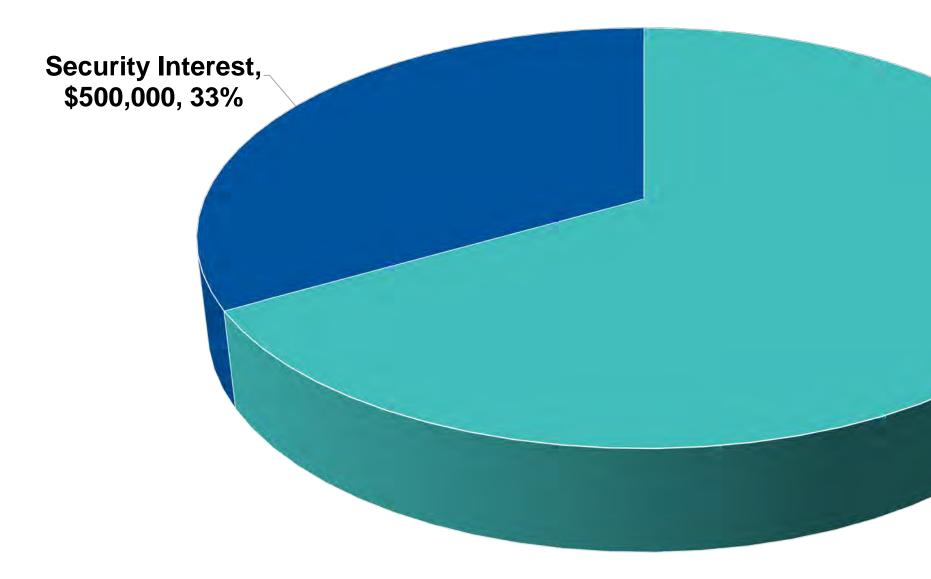


**BOD/TSS Fees**, \$2,179,500, 16%

> Volumetric Fees, \$5,123,090, 38%



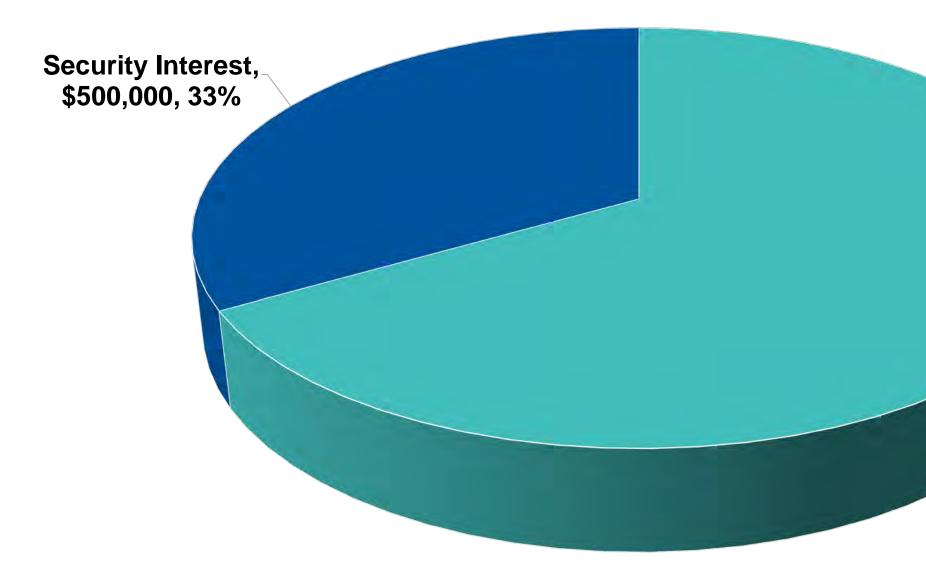
#### **Interest & Investments - \$1.5 Million**



LAIF Interest, \$1,000,000, 67%



#### **Interest & Investments - \$1.5 Million**



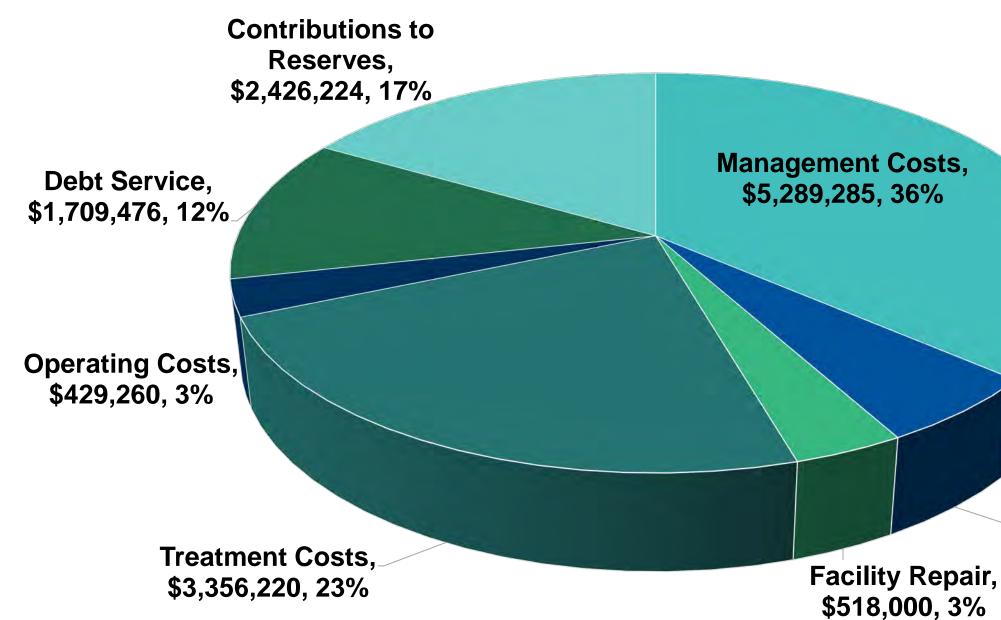
LAIF Interest, \$1,000,000, 67%

## **Brine Line Enterprise Expenses**

Expense	FYE 2025	FYE 2026	FYE 2027
Management Costs	\$4,944,867	\$5,289,285	\$5,772,925
Consulting	772,500	810,000	815,750
Facility Repair	553,558	518,000	543,750
Treatment Costs	2,558,621	3,356,220	3,634,260
<b>Operating Costs</b>	483,318	429,260	445,573
Debt Service	1,709,476	1,709,476	1,709,476
Reserves	2,055,772	2,426,224	2,182,388
Total	\$13,078,112	\$14,538,465	\$15,104,122

#### FYE 2026

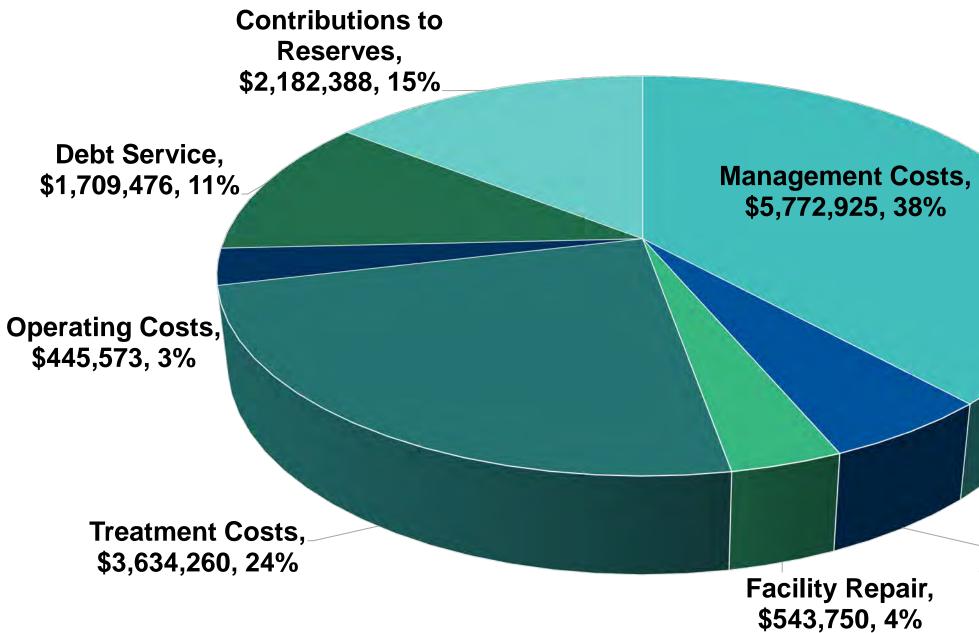
#### **Brine Line Expenses - \$14.5 Million**



sts, % Consulting, \$810,000, 6% Repair, 0, 3%

### FYE 2027

#### **Brine Line Expenses - \$15.1 Million**







## Consulting

- Hydraulic model support
- **Engineering support (design repairs)**
- Scale evaluation, solids control, sampling evaluation
- **Right of way, surveyor support, as built drawings**
- Field support (developer coordination, construction observation)
- **Traffic control**
- **Topographic mapping/field survey**
- **Evaluation of impacts due to scouring and erosion**
- SCADA system work plan
- **Offline storage feasibility study**
- **Green hydrogen feasibility study**
- **Evaluate brine management technologies**
- **PFAS** monitoring and evaluation

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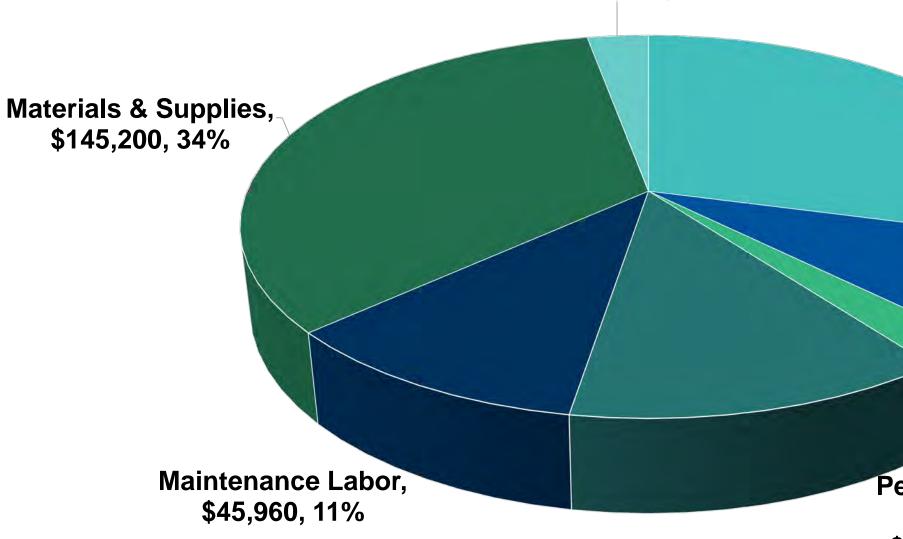
## **Operating Costs**

Expense	FYE 2025	FYE 2026	% Diff	FYE 2027	% Diff
Lab Costs	\$120,750	\$125,000	3.5%	\$130,750	4.6%
Permit Fees	59,000	35,700	-39.5%	37,475	5.0%
<b>BL Operating Costs</b>	10,000	10,000	0.0%	10,000	0.0%
Permitting/Pre-Treatment	82,550	55,000	-33.4%	56,000	1.8%
Maintenance Labor	51,940	45,960	-11.5%	46,758	1.7%
Materials & Supplies	148,810	145,200	-2.4%	151,570	4.4%
Safety	10,268	12,400	20.8%	13,020	5.0%
Total	\$483,318	\$429,260	-11.2%	\$445,573	3.8%



#### **Operating Costs - \$429,260**

Safety, \$12,400, 3%





Lab Costs, \$125,000, 29%

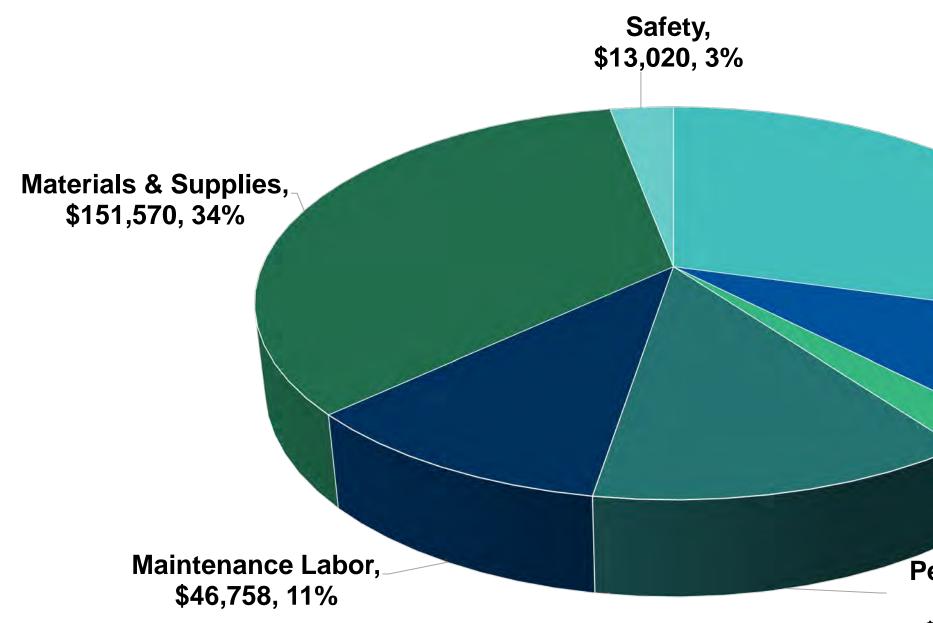
> Permit Fees, \$35,700, 8%

**BL** Operating Costs, \$10,000, 2%

Permitting/Pre-Treatment, \$55,000, 13%

#### FYE 2027

#### **Operating Costs - \$445,573**





Lab Costs, \$130,750, 29%

> Permit Fees, \$37,475, 8%

BL Operating Costs, \$10,000, 2%

Permitting/Pre-Treatment, \$56,000, 13%

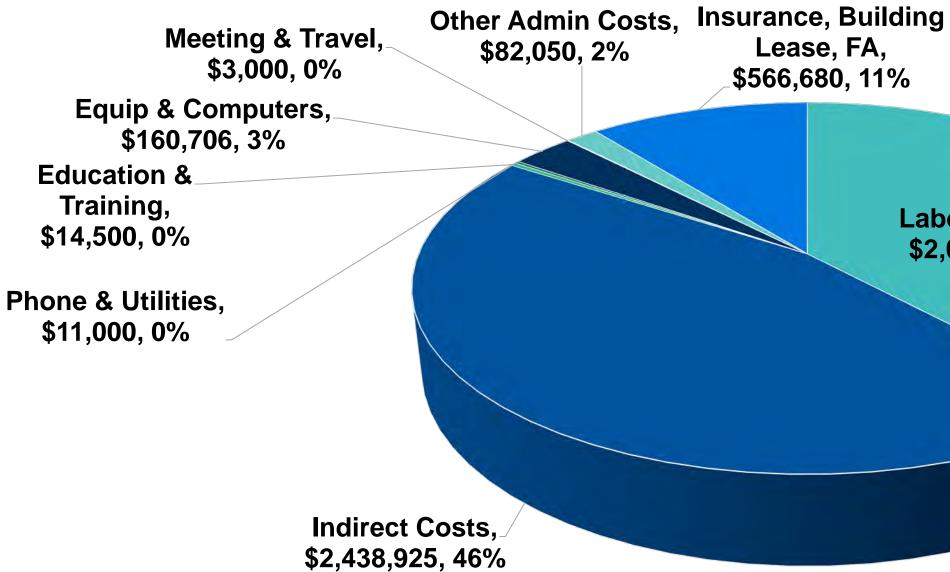
## Management Costs

Expense	FYE 2025	FYE 2026
Labor & Benefits	\$1,900,260	\$2,012,424
Indirect Costs	2,278,716	2,438,925
Education & Training	15,225	14,500
Phone & Utilities	13,200	11,000
Equip & Computers	204,167	160,706
Meeting & Travel	7,700	3,000
Other Admin Costs	98,988	82,050
Insurance, Building Lease, FA	426,597	566,680
Total	\$4,944,853	\$5,289,285

% Diff	FYE 2027	% Diff
-5.9%	\$2,192,736	9.0%
7.0%	2,741,252	12.4%
-4.8%	15,225	5.0%
-16.7%	11,550	5.0%
-21.3%	151,017	-6.0%
-61.0%	3,000	0.0%
-17.1%	84,925	3.5%
32.8%	573,220	1.2%
7.0%	\$5,772,925	9.1%

### FYE 2026

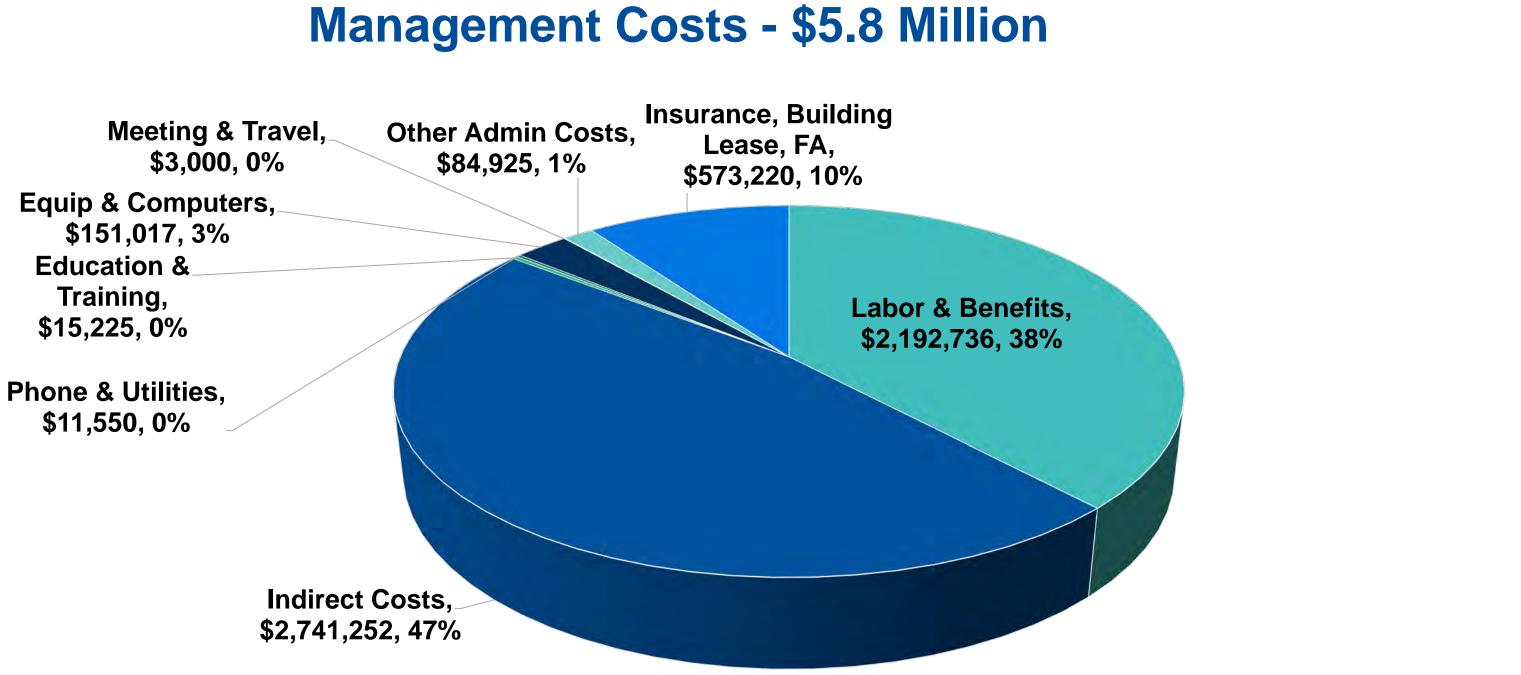
#### **Management Costs - \$5.3 Million**





Labor & Benefits, \$2,012,424, 38%

### FYE 2027



### **Fixed Asset Purchases**

Asset	FYE 2026	FYE 2027
Brine Line Drone	\$15,000	\$0
Ford F-250 Truck (2 in 2026 \$90k each)	180,000	65,000
500 Gallon Water Trailer	12,000	0
Ford Transit (replace sampling vehicle)	0	80,000
Ford Maverick (replace Ford Escape)	0	40,000
Air Compressor	0	12,000
Total	\$207,000	\$197,000

## **Debt Service Payments**

Debt	FYE 2025	FYE 2026	FYE 2027
Reach IV-A & B Capital Repair	\$1,044,273	\$1,044,273	\$1,044,273
Reach V Capital Repair	665,203	665,203	665,203
Total Debt Service Payments	\$1,709,476	\$1,709,476	\$1,709,476

## **Debt Service Funding**

Debt	Interest Rate	Final Payment	Funding Source
Reach IV-A & B Capital Repair	2.6%	12/29/2032	Rates
Reach V Capital Repair	1.9%	03/31/2048	Rates

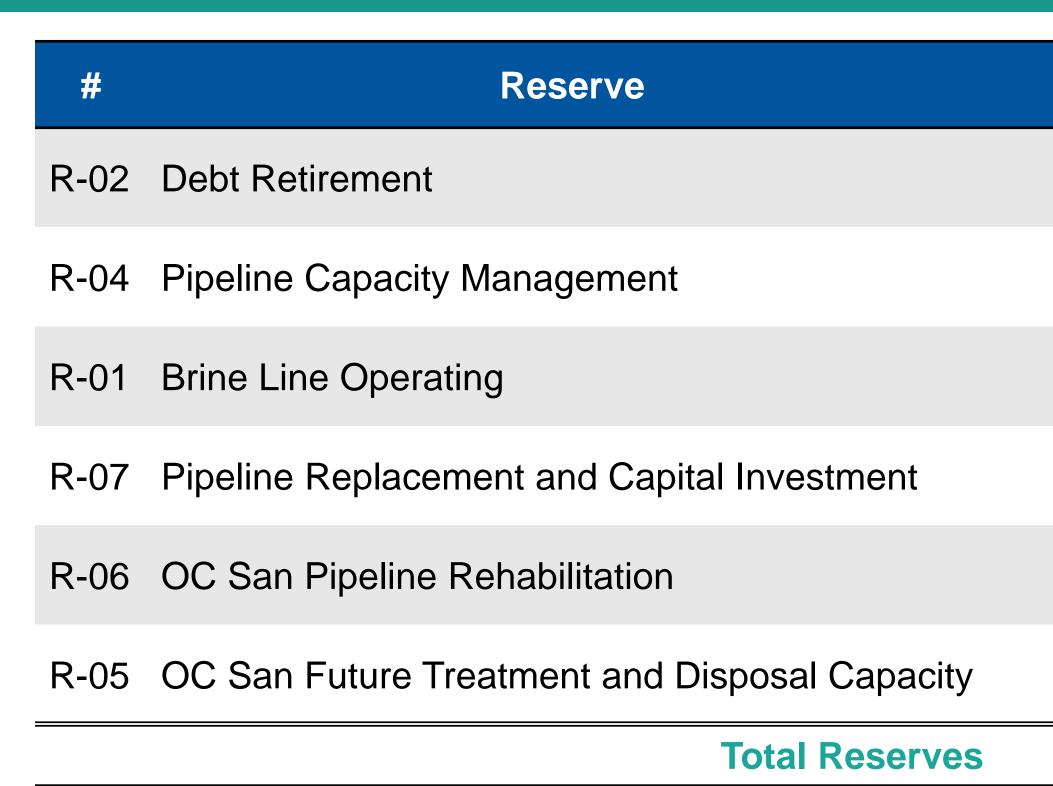
### **Reserve Levels**

Reserve	02/28/2025 Ending Balance	Minimum	Target	Over or Under Target	Amount Over or (Under) Target
<b>R-01 Brine Line Operating</b>	\$2,337,938	\$2,291,108	\$2,291,108	Over	\$46,830
R-02 Debt Retirement	3,077,423	1,709,476	1,709,476	Over	1,367,947
<b>R-04 Pipeline Capacity Management</b>	13,087,674	3,894,181	9,735,454	Over	3,352,220
R-05 OC San Future Treatment and Disposal Capacity	6,489,662*	1,842,396	1,842,396	Over	4,647,266
<b>R-06 OC San Pipeline Rehabilitation</b>	3,102,321	2,425,147	7,250,000	Under	(4,147,679)
R-07 Pipeline Replacement and Capital Investment	37,634,865	18,884,000	46,364,000	Under	(8,729,135)
*\$4,485,897 from YVWD treatment capacity purchase	\$65,729,883	\$31,046,308	\$69,192,434		(\$3,462,551)

### **Reserve Contributions**

Reserve	FYE 2025	FYE 2026	FYE 2027
Pipeline Replacement and Capital Investment	\$1,900,000	\$2,000,000	\$2,000,000
OC San Pipeline Rehabilitation	155,772	426,224	182,388
<b>Total Contribution to Reserves</b>	\$2,055,772	\$2,426,224	\$2,182,388

## Reserve Balances (EOY)



FYE 2026	FYE 2027
\$3,077,423	\$3,077,423
13,087,674	13,087,674
2,337,938	2,337,938
36,400,187	35,071,546
3,494,705	3,677,093
6,489,662	6,489,662
\$64,887,589	\$63,741,336

### **Proposed Brine Line Rates**

Component	FYE 2025	FYE 2026	% Change	FYE 2027	% Change
Flow (per MG)	\$1,097	\$1,119	2%	\$1,141	2%
BOD (per 1,000 lbs.)*	396	416	5%	437	5%
TSS (per 1,000 lbs.)*	497	522	5%	548	5%
Fixed Pipeline**	6,654	6,787	2%	6,923	2%
Fixed Treatment**	13,505	13,775	2%	14,051	2%

\* Set by OC San annually

\*\*Fixed rates have not increased since 2021

# Capital Projects





Repair

**Fund 320 - Brine Line Protection** 

#### Fund 327 - Reach IV-D Corrosion

## **Capital Projects**

#### **FYE 2026**

- Capital repairs of pipeline (as needed)  $\checkmark$
- Reach IV-A Upper Pine Avenue Siphon/relocation  $\checkmark$
- Alcoa Dike Protection/Relocation  $\checkmark$
- MAS Modifications Prado Reservoir  $\checkmark$
- Reach IV-B Additional MAS Structures (DIP pipeline)  $\checkmark$
- Reach V Relocate Air Vacs (Temescal Canyon Road widening)  $\checkmark$
- SCADA system

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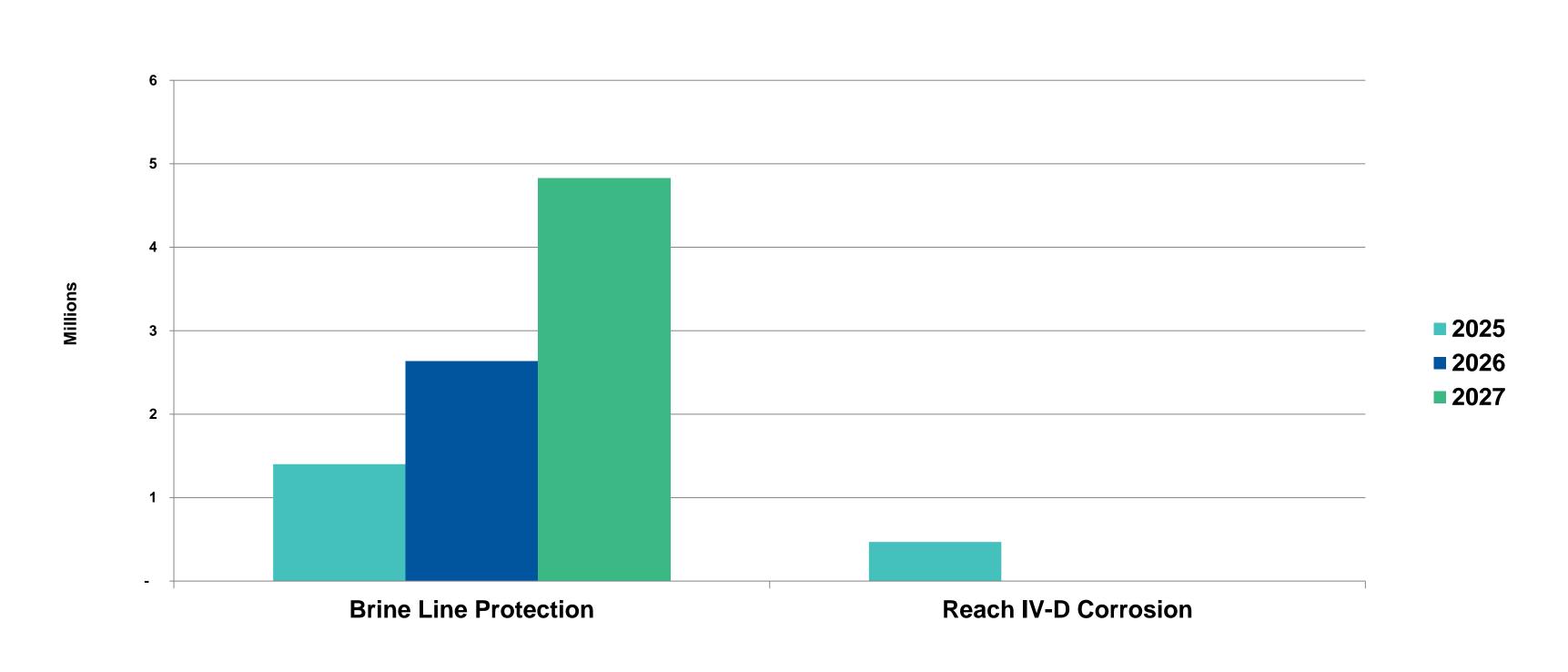
## **Capital Projects**

#### **FYE 2027**

- ✓ Capital repairs of pipeline (as needed)
- ✓ SCADA system
- ✓ Reach IV-E Add Siphon Mainline Valve
- ✓ Reach IV-E Condition Assessment
- ✓ Reach IV-B Condition Assessment
- Reach IV-D Relocation (Euclid Bridge Project)

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## **Capital Improvement Projects**



Capital Project Funding – Use of Pipeline Replacement and Capital Investment Reserves (R-07)

Project	FYE 2025	FYE 2026	FYE 2027
Brine Line Protection	\$1,400,590	\$2,632,558	\$4,828,641
Reach IV-D Corrosion Repairs	469,423	0	0
Total	\$1,870,013	\$2,632,558	\$4,828,641

### **OWOW Fund Budget**



Moving forward together

Santa Ana River Watershed



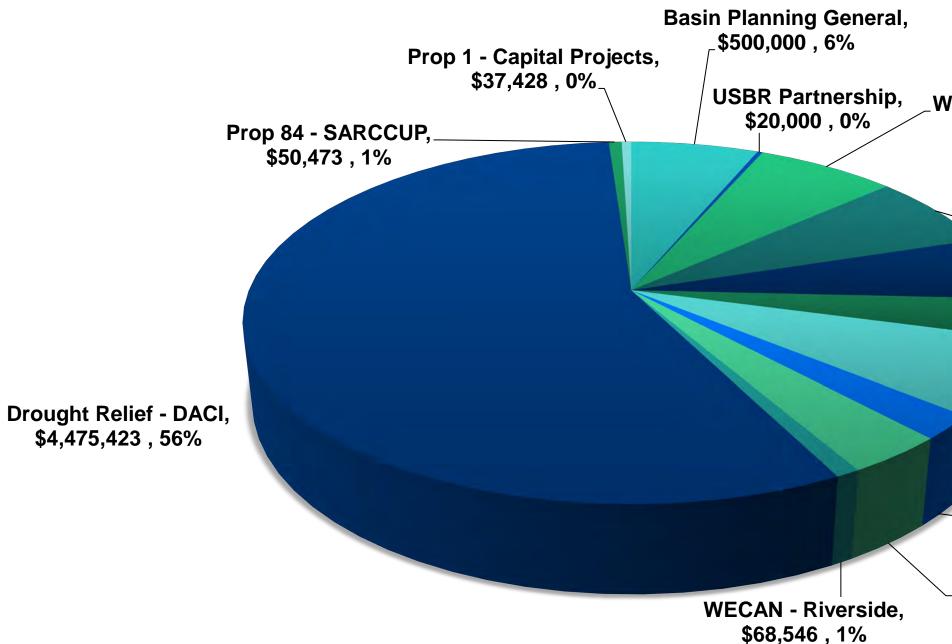


## OWOW Fund - Revenues by Type

Revenue Type	FYE 2025	FYE 2026	FYE 2027
Grant Proceeds	\$2,109,785	\$6,326,222	\$1,321,143
Member Agency Contributions	1,528,500	1,510,000	1,590,000
Other Agency Contributions	95,087	58,300	47,300
Other Income*	0	43,250	226,750
Total	\$3,733,372	\$7,937,772	\$3,185,193

\*Other Income includes transfers from Fund 504-04 -SARCCUP (from excess member contributions) which will be used to cover the ICARP local cost share match. (\$270,000 total transfer)

### FYE 2026 – Revenues \$7,937,772



Watershed Mgmt -OWOW, \$547,300 , 7%

> ICARP, \$527,229,7%

> > \_PFAS Study, \$450,000 , 6%

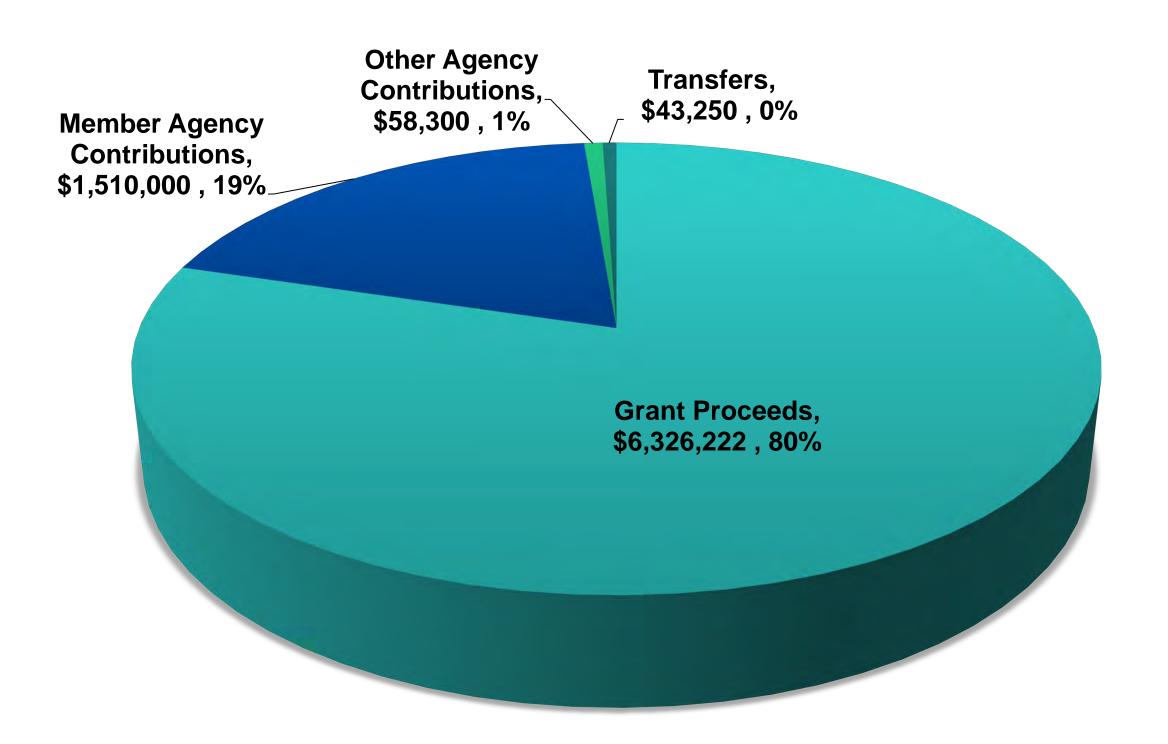
Cloud Seeding, \$273,372 , 3%

> Prop 84 Program Mgmt, \$534,786 , 7%

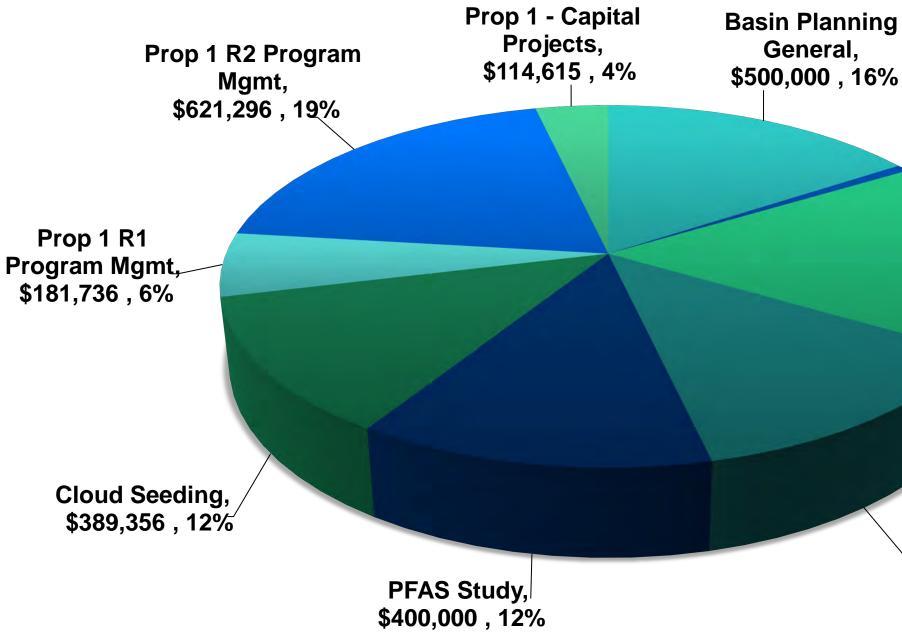
Prop 1 R1 Program Mgmt, \$172,540, 2%

Prop 1 R2 Program Mgmt, \$280,675 , 4%

### FYE 2026 – Revenues \$7,937,772



### FYE 2027 – Revenues \$3,185,193

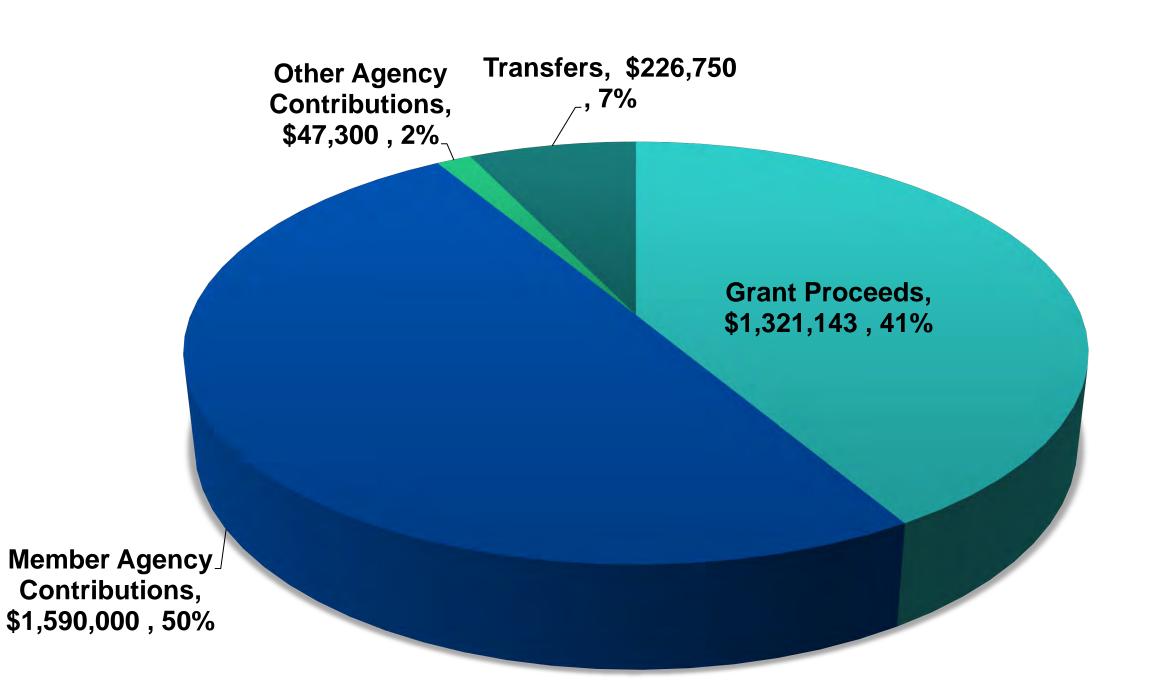


USBR Partnership, \$20,000,1%

> Watershed Mgmt -OWOW, \$547,300,17%

ICARP, \$410,890,13%

## FYE 2027 – Revenues \$3,185,193



# Prop 1 and 84 Projects - Passthrough

Fund	FYE 2025	FYE 2026	FYE 2027
Prop 84 – Final Round (SARCCUP)	\$10,029,070	\$9,000,000	\$0
Prop 1 R1 - Capital Projects	2,550,000	2,543,088	1,500,000
Prop 1 R2 – Capital Projects	2,684,425	9,300,000	5,800,000
Total	\$15,263,495	\$20,843,088	\$7,300,000

# Prop 1 and 84 Projects - Passthrough

Agency	Project	FYE 2026	FYE 2027
Prop 84 – Final Round (SARCCUP)			
San Bernardino Valley MWD	Santa Ana Sucker Habitat	\$2,000,000	\$0
Western MWD	Sterling Pump Station, Riverside-Arlington Basin Facilities, Elsinore Basin Wells, and Interconnections	7,000,000	0
Prop 1 R1 - Capital Projects			
US Forest Service	Santa Ana Mountains Watershed Protection	268,088	0
Inland Empire Utilities Agency	Joint IEUA-JCSD Regional Water Recycling	1,000,000	1,000,000
Lake Elsinore	Physical Harvesting of Algal Biomass in LE Pilot	275,000	0
Big Bear Area RWA	Replenish Big Bear	1,000,000	500,000
Prop 1 R2 – Capital Projects			
Jurupa Community SD	Etiwanda Intervalley WQ & Resiliency Project	1,000,000	500,000
Monte Vista WD	Wellhead Nitrate Treatment Wells 4 & 27	500,000	<b>1,000,000</b>

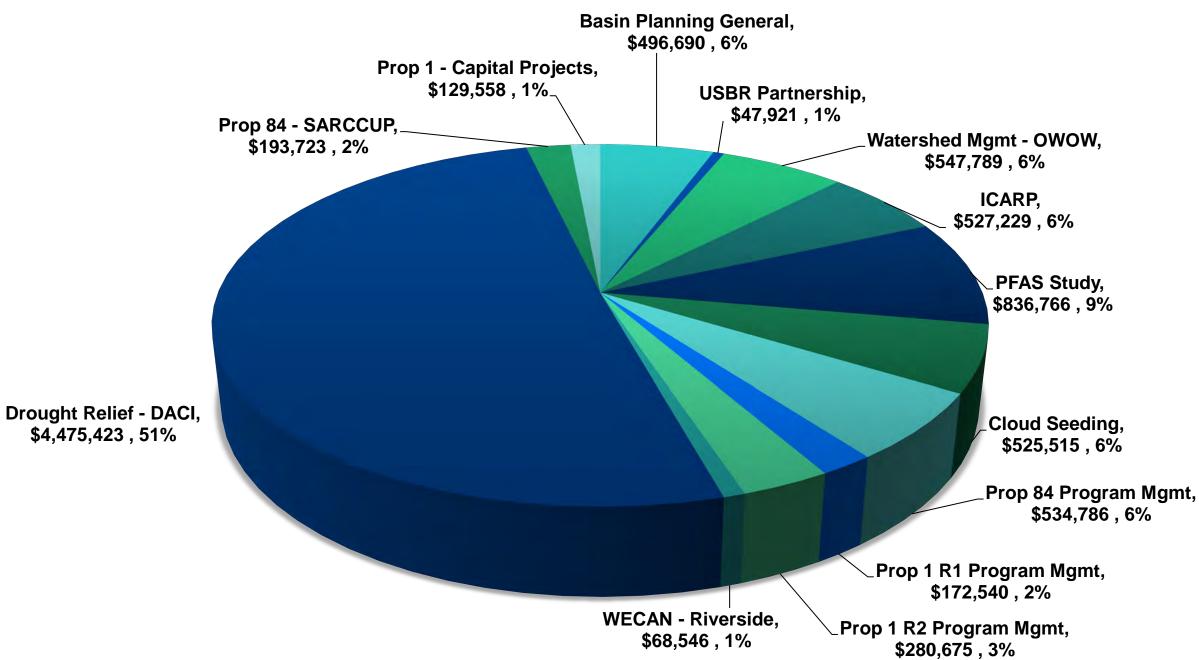
# Prop 1 and 84 Projects - Passthrough

Agency	Project	FYE 2026	FYE 2027
Prop 1 R2 – Capital Projects			
San Bernardino County FCD	Cable Creek Basin (Upper)	\$500,000	\$1,000,000
LESJWA	LE Algae Harvesting & Nutrient Removal Pilot	1,000,000	0
City of Rialto	Lake Rialto Habitat Mgmt & Comm Open Space	1,000,000	500,000
Monte Vista WD	Well 2 Replacement	1,000,000	500,000
City of Santa Ana	New Washington Well Project	1,000,000	500,000
Box Springs MWD	Well Improvement Project	800,000	800,000
Orange County WD	OC Regional PFAS Groundwater Treatment	1,500,000	500,000
City of Santa Ana	Santa Ana Zoo Stormwater Capture & Diversion	1,000,000	500,000
MWDOC	Making Conservation an OC Way of Life	1,000,000	500,000

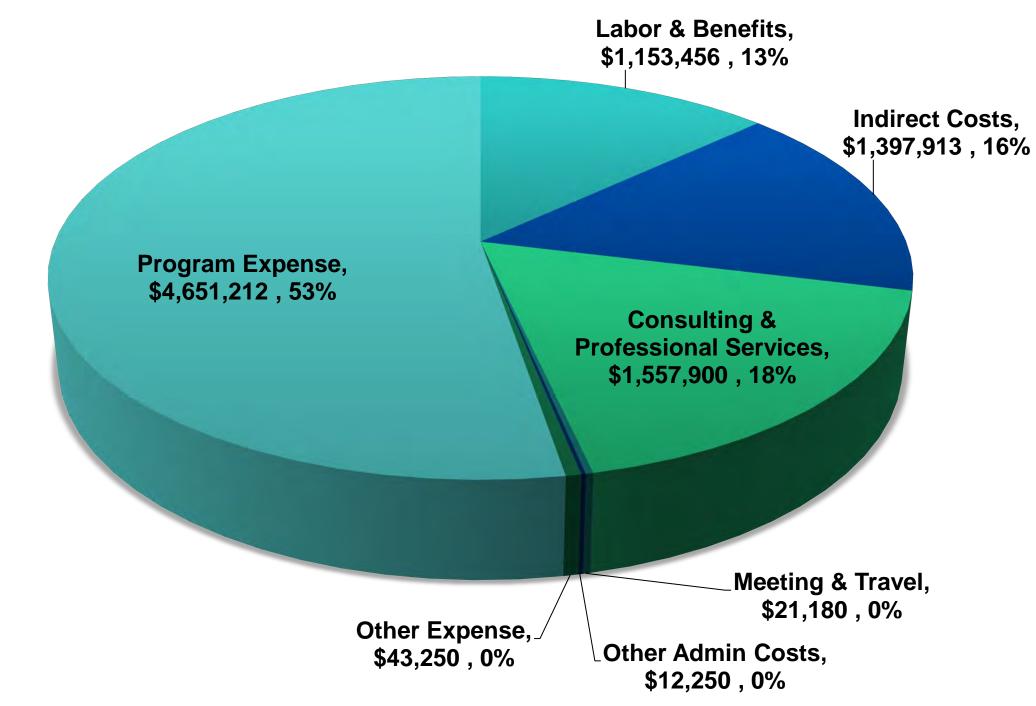
# **OWOW Fund - Expenses**

Expense	FYE 2025	FYE 2026	FYE 2027
Basin Planning	\$539,791	\$496,690	\$544,963
USBR Partnership	69,471	47,921	51,121
Watershed Mgmt (OWOW)	904,428	547,789	665,081
ICARP	0	527,229	410,890
PFAS Study	550,459	836,766	654,305
Cloud Seeding	494,707	525,515	414,201
Prop 84 R2015 Mgmt	539,894	534,786	0
Prop 1 R1 Program Mgmt	248,593	172,540	181,736
Prop 1 R2 Program Mgmt	0	280,675	621,296
Prop 1 DACI Grant	471,466	4,475,423	0
WECAN – Riverside	148,933	68,546	0
Prop 84 SARCCUP	225,399	193,723	226,750
Prop 1 Capital Projects	36,178	129,558	114,615
Total	\$4,229,319	\$8,837,161	\$3,884,958

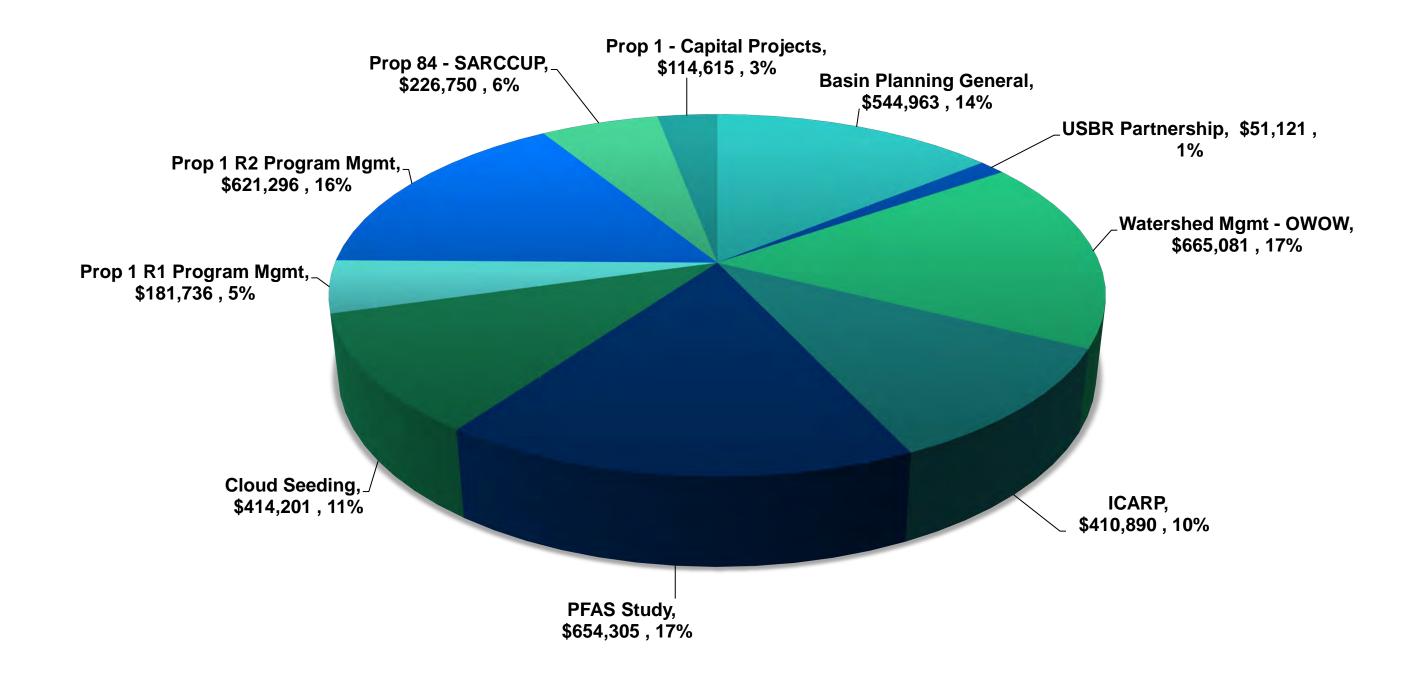
## FYE 2026 – Expenses \$8,837,161



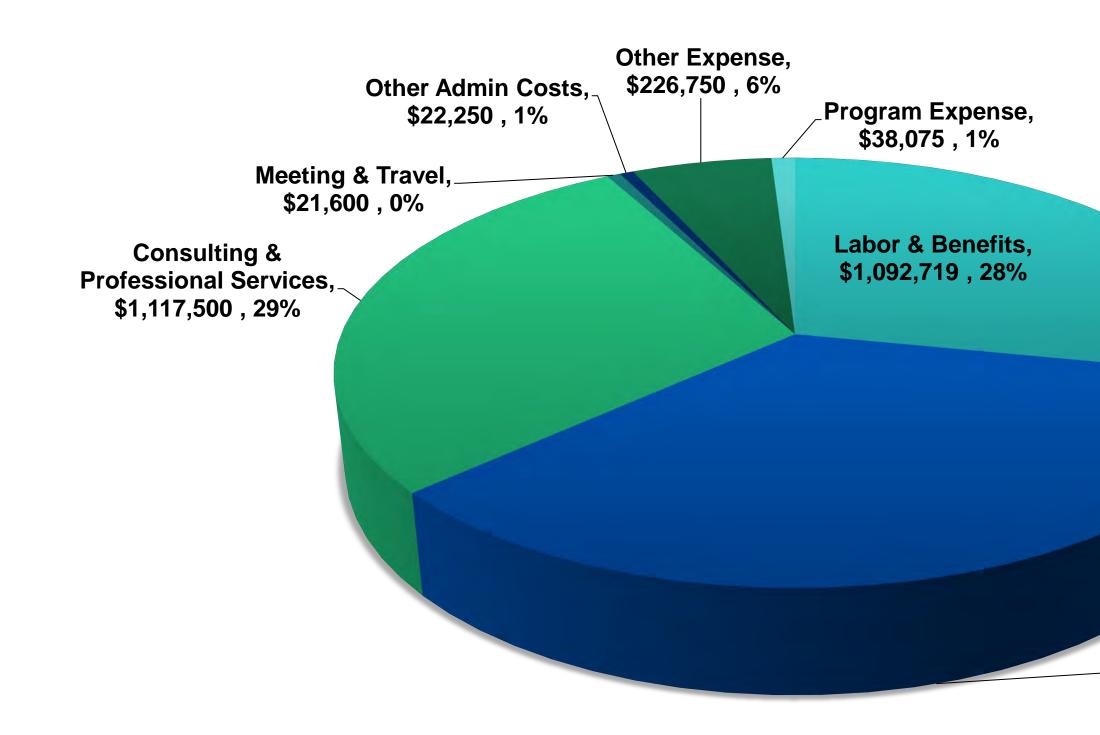
## FYE 2026 – Expenses \$8,837,161



## FYE 2027 – Expenses \$3,884,958



## FYE 2027 – Expenses \$3,884,958



\_Indirect Costs, \$1,366,064 , 35%

## Roundtable Fund Budget



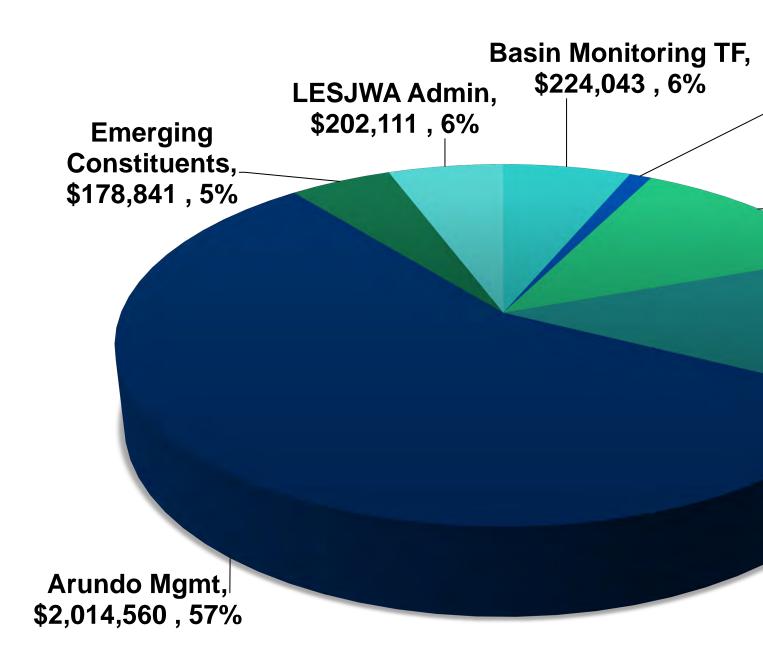


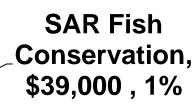
# Roundtable Fund – Revenues by Type

Revenue Type	FYE 2025	FYE 2026	FYE 2027
Grant Proceeds	\$250,000	\$0	\$0
Member Agency Contributions	20,000	30,000	30,000
Other Agency Contributions	1,229,125	1,194,418	1,210,349
Other Income	1,198,405	2,324,671	341,516
Total	\$2,697,530	\$3,549,089	\$1,581,865

59 | sawpa.org <sup>193</sup>

### FYE 2026 – Revenues \$3,549,089

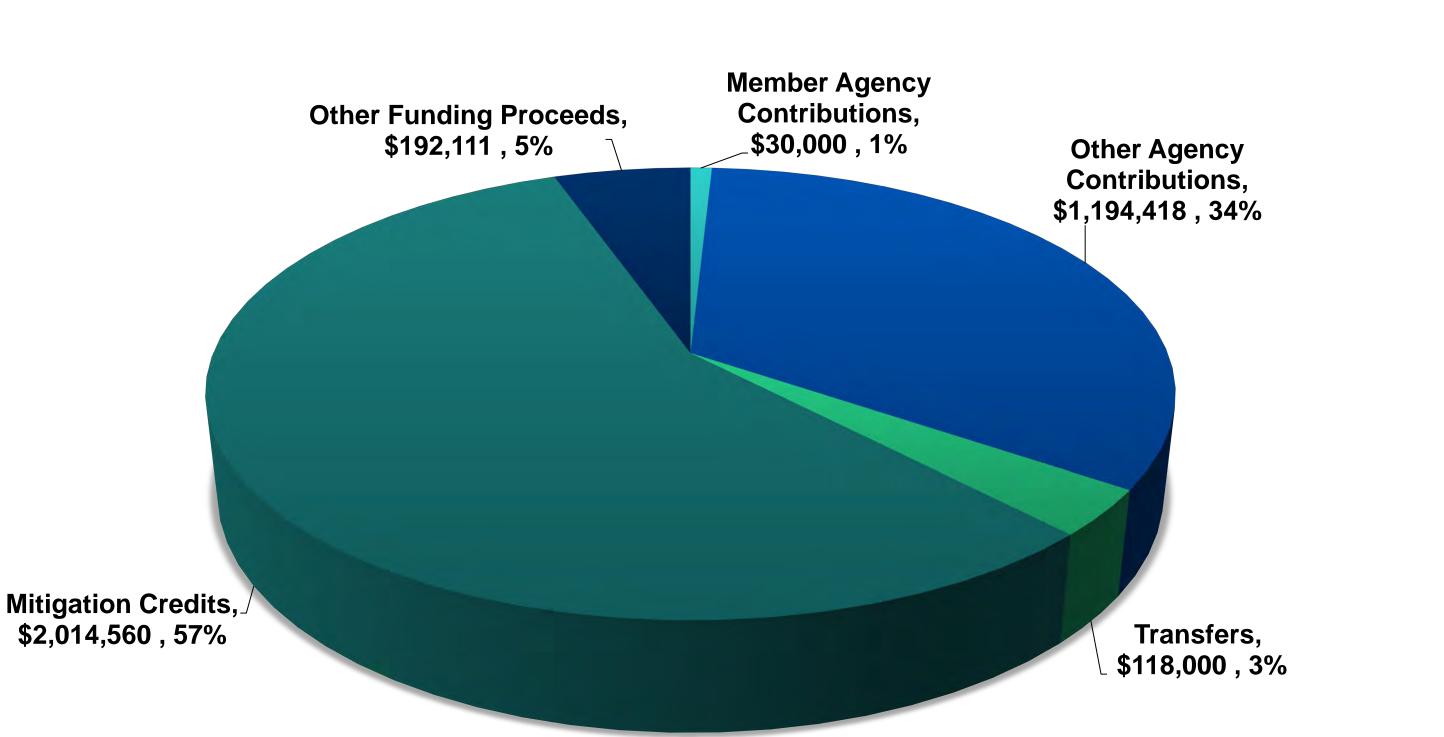




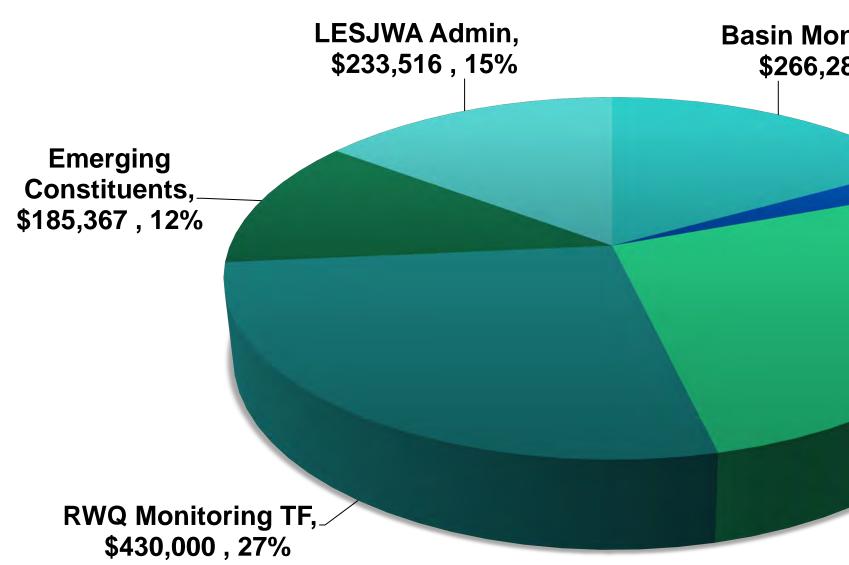
\_MSAR TMDL, \$427,200 , 12%

> RWQ Monitoring TF, \$463,334 , 13%

### FYE 2026 – Revenues \$3,549,089



### FYE 2027 – Revenues \$1,581,865

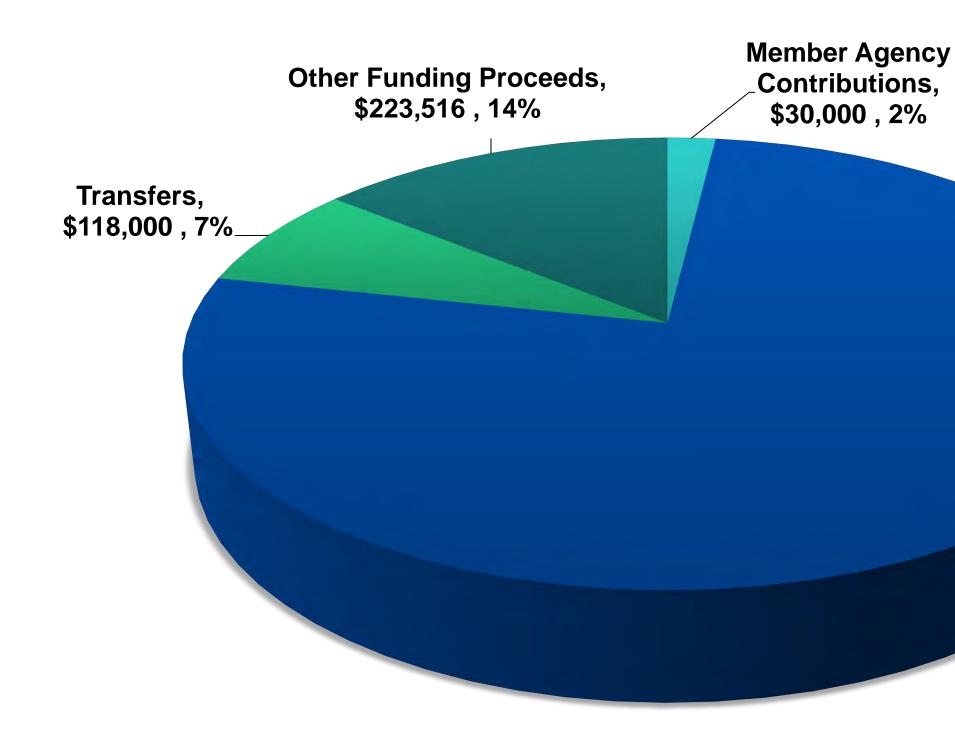


Basin Monitoring TF, \$266,282 , 17%

> SAR Fish Conservation, \$39,000 , 2%

> > \_MSAR TMDL, \$427,700 , 27%

### FYE 2026 – Revenues \$1,581,865

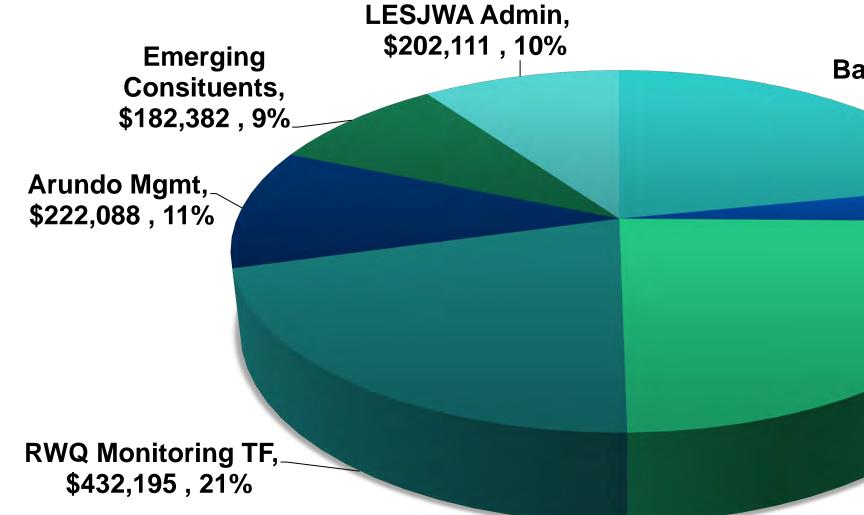


Other Agency Contributions, \$1,210,349,77%

## Roundtable Fund - Expenses

Expense	FYE 2025	FYE 2026	FYE 2027
Basin Monitoring TF	\$565,988	\$451,230	\$455,658
SAR Fish Conservation	288,541	70,455	73,551
MSAR TMDL TF	284,664	505,880	531,442
RWQ Monitoring TF	415,702	432,195	434,782
Arundo Mgmt	85,780	222,088	275,109
Emerging Constituents TF	114,303	182,382	191,814
LESJWA Admin	198,285	202,111	233,516
Total	\$1,953,263	\$2,066,341	\$2,195,872

## FYE 2026 – Expenses \$2,066,341

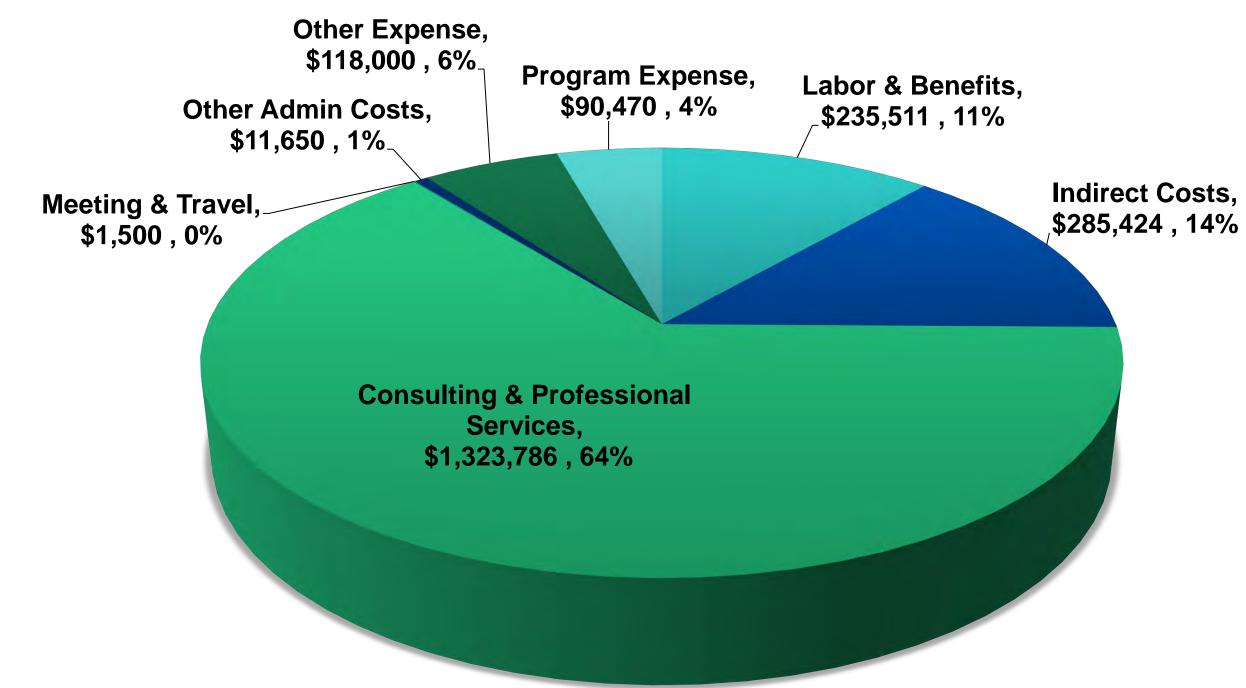


#### Basin Monitoring TF, \$451,230 , 22%

SAR Fish Conservation, \$70,455 , 3%

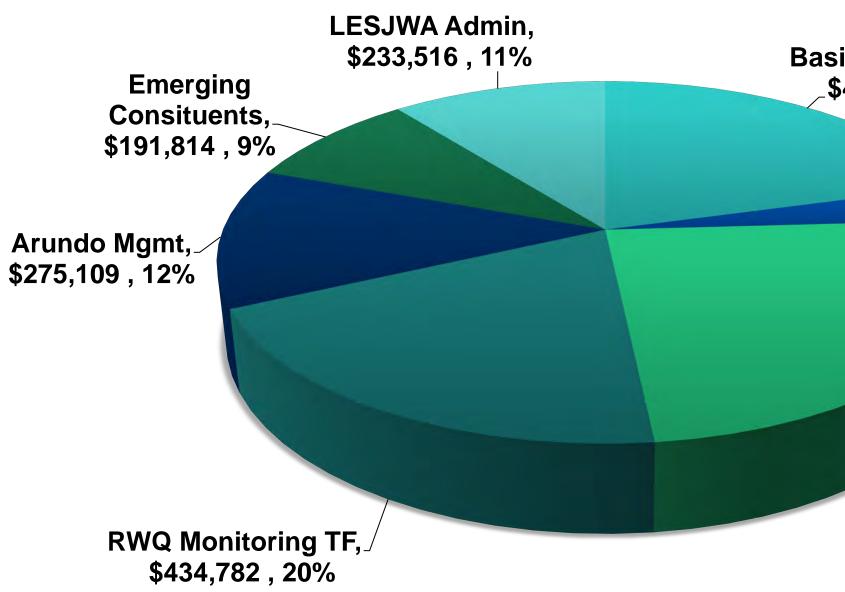
MSAR TMDL, \$505,880 , 24%

## FYE 2026 – Expenses \$2,066,341





## FYE 2027 – Expenses \$2,195,872

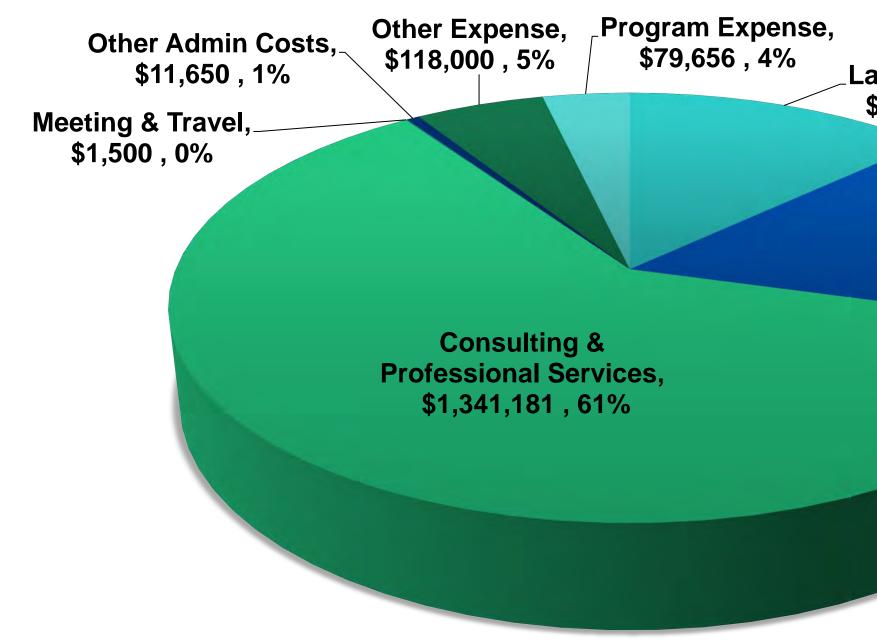


#### Basin Monitoring TF, \_\$455,658 , 21%

SAR Fish Conservation, \$73,551,3%

MSAR TMDL, \$531,442 , 24%

## FYE 2027 – Expenses \$2,195,872



Labor & Benefits, \$286,152 , 13%

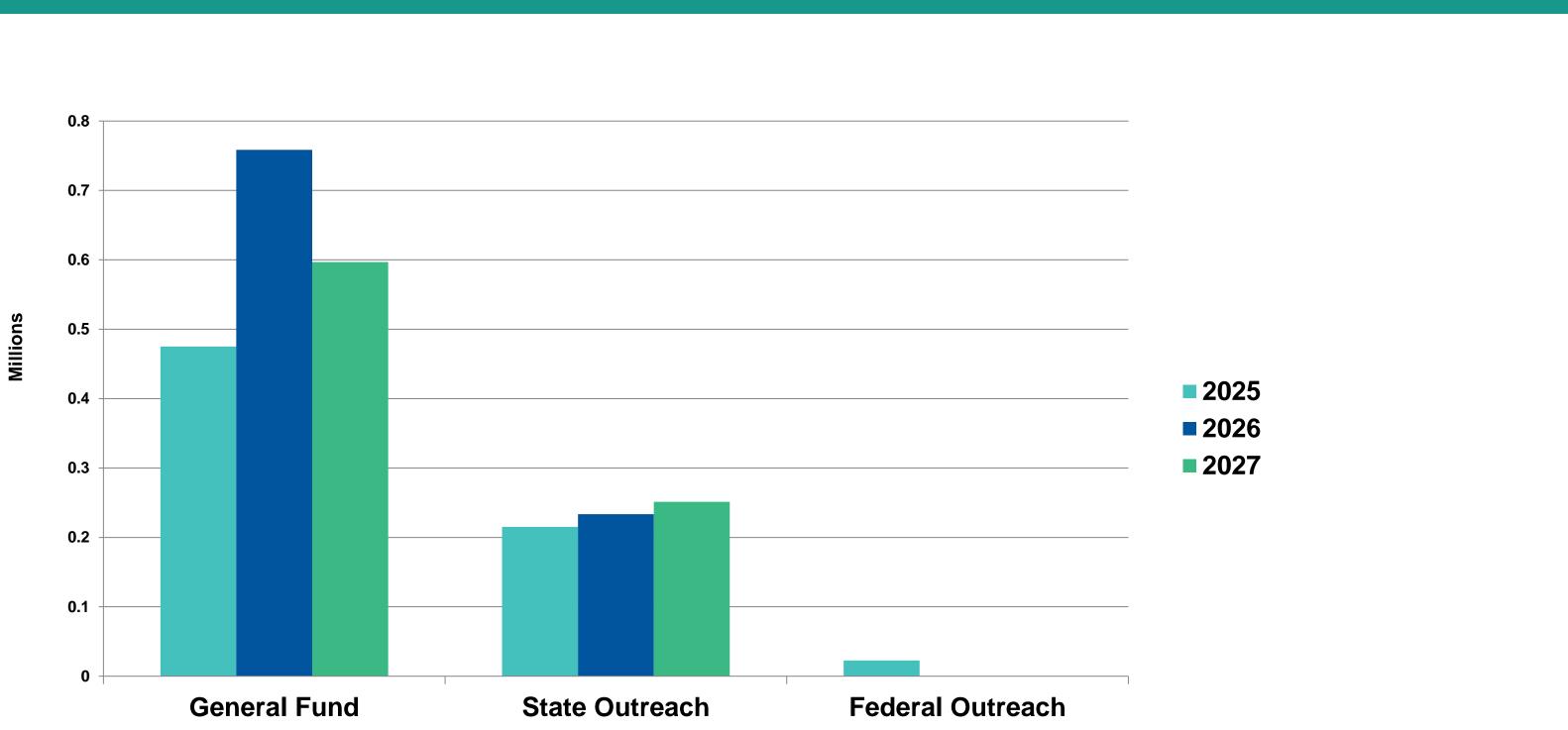
> Indirect Costs, \$357,733,16%

### General Fund Budget



11615

#### **General Fund**



## **General Fund Expenses**

Expense	FYE 2025	FYE 2026	FYE 2027
General Fund	\$475,000	\$758,400	\$596,800
State Outreach	215,250	233,400	251,233
Federal Outreach	22,660	0	0
Total	\$712,910	\$991,800	\$848,033

## Fixed Asset Purchases – General Fund

Asset	FYE 2026	FYE 2027
Replace HVAC units*	\$23,400	\$46,800
Replace Roof*	150,000	0
Charging Stations (4)*	85,000	0
Total	\$258,400	\$46,800

\*Funding from 2024 and 2025 will be used for fixed asset purchases

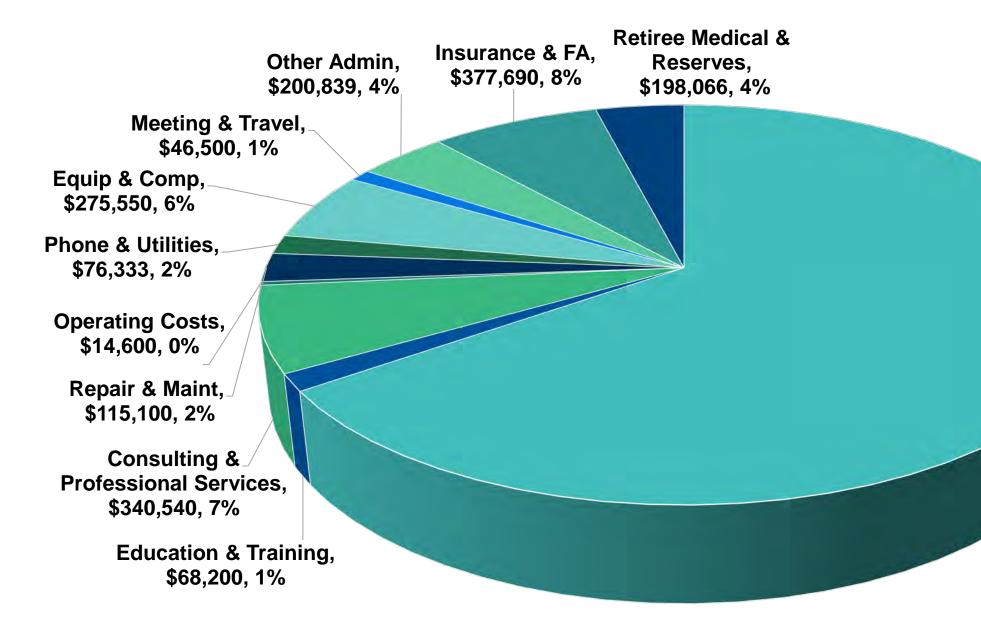
72 | sawpa.org <sup>206</sup>

# **General Fund Expenses**

Expense	FYE 2025	FYE 2026	FYE 2027
Labor and Benefits	\$2,792,735	\$3,224,806	\$3,626,235
Education & Training	61,000	68,200	69,200
Consulting & Professional Services	305,110	340,540	318,970
Operating Costs	11,880	14,600	14,600
Repair & Maintenance	106,900	115,100	109,200
Phone & Utilities	89,666	76,333	76,333
Equipment & Computers	265,663	275,550	285,750
Meeting & Travel	48,000	46,500	46,500
Other Administrative Expenses	189,730	200,839	204,385
Insurance & Fixed Assets	169,968	377,690	166,530
Retiree Medical & Building Reserves	199,523	198,066	214,228
Total Before Indirect Cost Allocations	4,240,175	4,938,224	5,131,931
Less Indirect Cost Allocations	(3,765,175)	(4,179,824)	(4,535,131)
Total General Fund Costs	\$475,000	\$758,400	\$596,800

#### FYE 2026

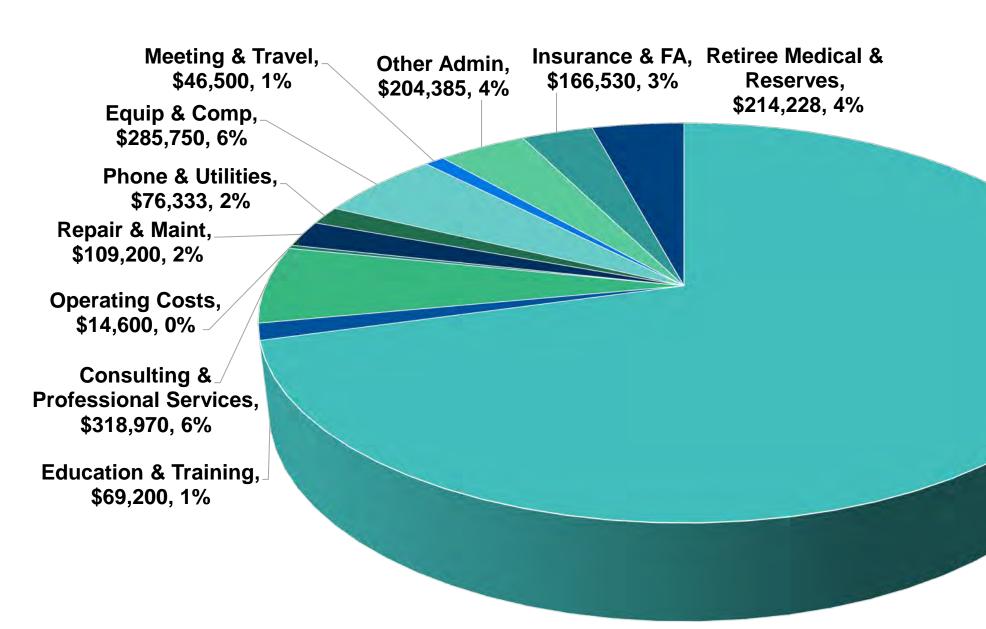
#### **General Fund Costs \$4.9 Million**



Labor & Benefits, \$3,224,806, 65%

### FYE 2027

#### **General Fund Costs \$5.1 Million**



Labor & Benefits, \$3,626,235,71%

# Indirect Cost Allocations by Fund Type

Fund	FYE 2026
Brine Line Operating Fund	\$2,438,925
Brine Line Capital Fund	57,562
OWOW Fund	1,397,913
Roundtable Fund	285,424
Total	\$4,179,824

#### **FYE 2027**

\$2,741,252

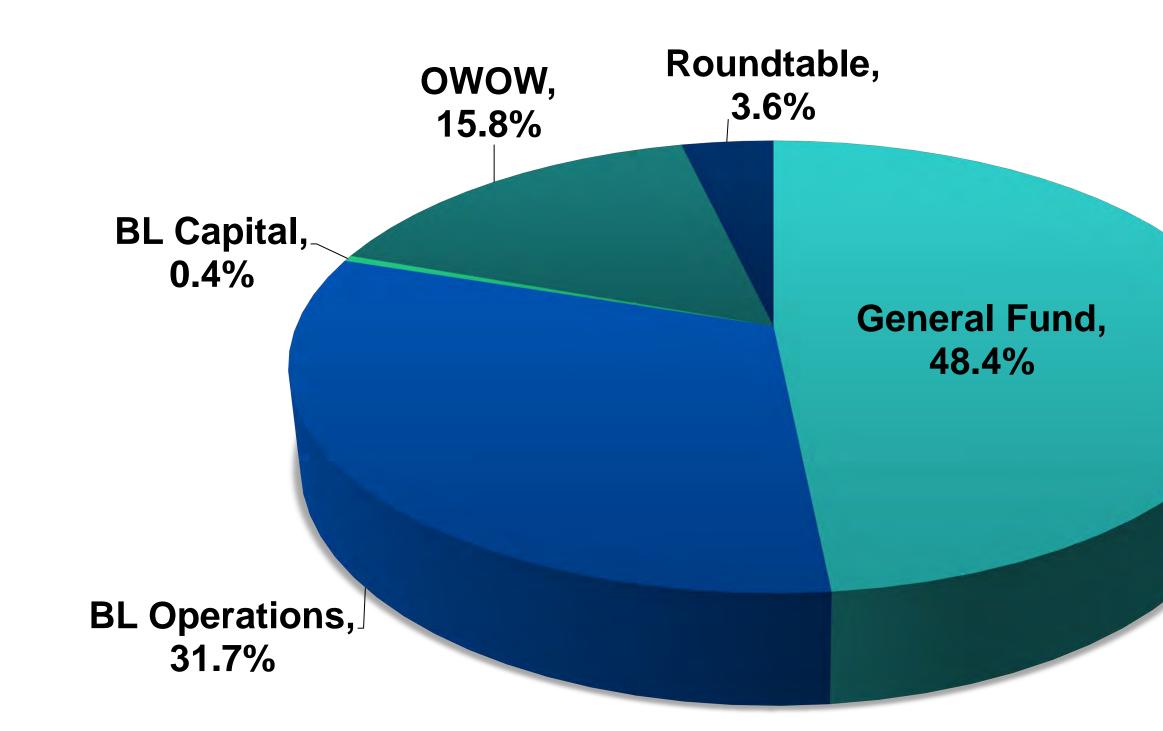
70,082

1,366,064

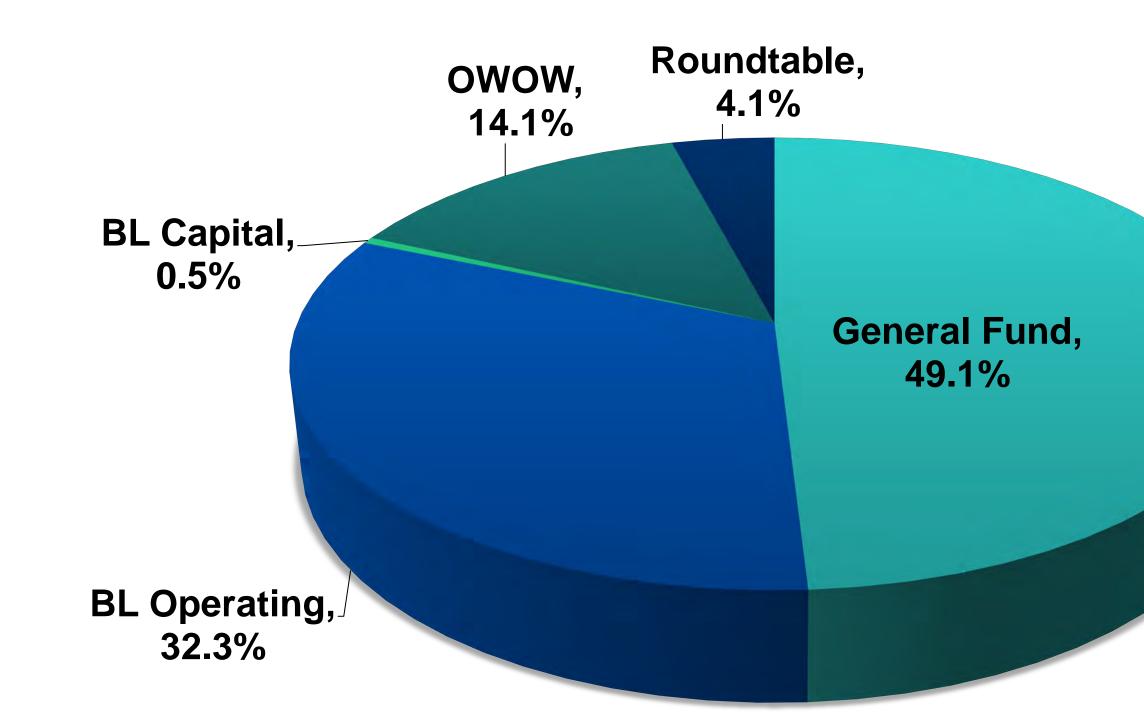
#### 357,733

#### \$4,535,131

## Labor Distribution Hours FYE 2026

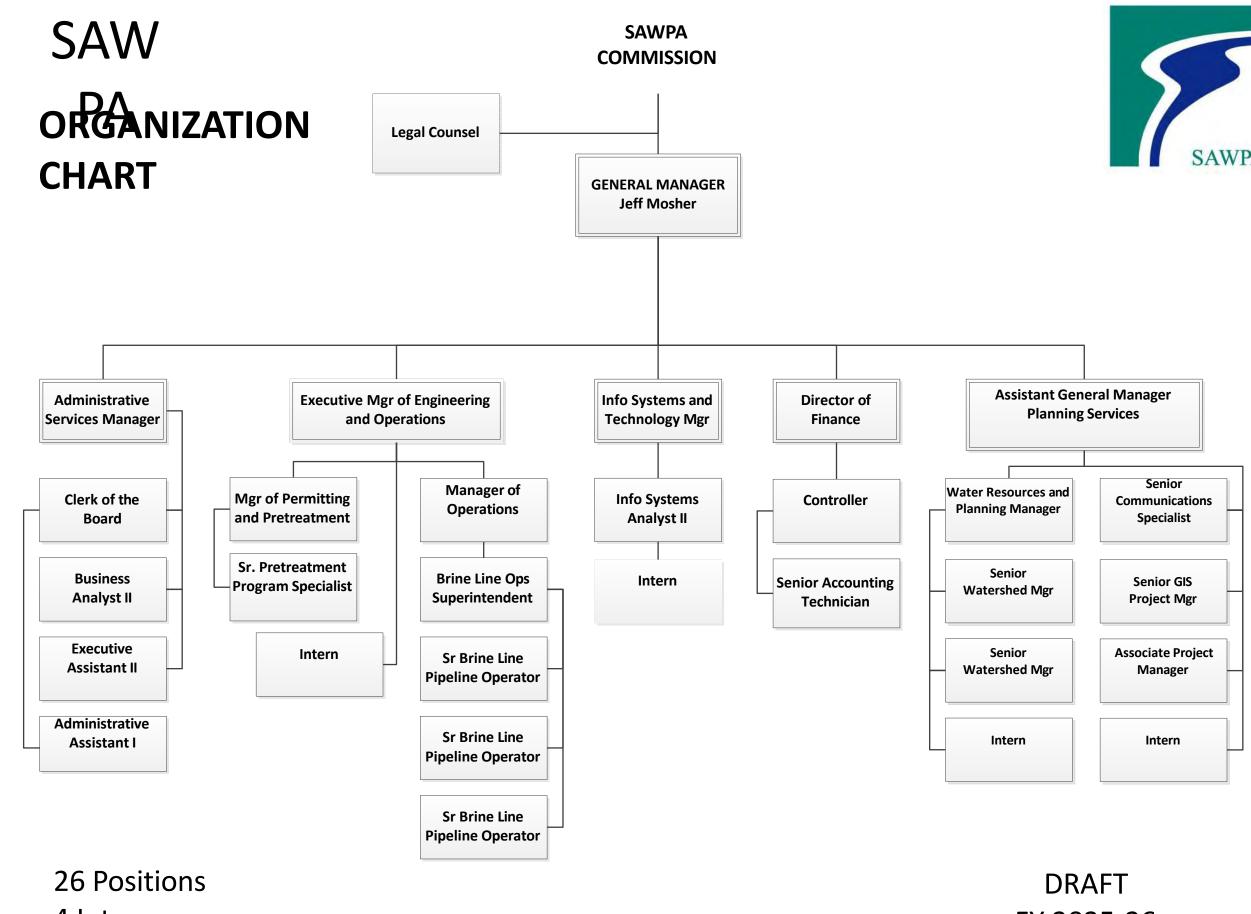


## Labor Distribution Hours FYE 2027



# **Total Labor Hour Distribution**

Fund	FYE 2025	FYE 2026	% Diff	FYE 2027	% Diff
General Fund	28,150	28,753	2.1%	28,895	0.5%
Brine Line Operating Fund	19,407	18,830	-3.0%	19,045	1.2%
Brine Line Capital Fund	626	250	-60.1%	270	8.0%
OWOW Fund	8,372	9,402	12.3%	8,275	-12.0%
Roundtable Fund	2,325	2,165	-6.9%	2,395	10.6%
Total	58,880	59,400	0.9%	58,880	-0.9%



4 Interns



#### FY 2025-26

# Positions by Department

Department	FYE 2020	FYE 2021	FYE 2022	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027
Executive Management	3	3	2	2	2	2	2	2
Administrative Services	6	6	5	5	6	6	6	6
Finance/Accounting	2	2	3	3	3	3	4	4
Information Systems and Technology	3	3	3	3	3	3	3	3
Engineering and Operations	10	10	10	10	9	9	8	8
Water Resources & Planning	4	4	3	3	3	3	3	3
Total Positions	28	28	26	26	26	26	26	26

#### Labor Assumptions Used

- Budgeted FTE

  - -5 Interns
- - -Merit Pool (4%)
  - -COLA (4%)
  - **–**Promotions
  - -Adjustments

#### -26 filled and approved FTE

#### 8% Salary increase each year

82 | sawpa.org <sup>216</sup>

# **Benefit Assumptions Used**

## PERS 2% @ 55 - Classic

	FYE 2026	FYE 2027
PERS Employers Rate	13.11%	13.10%
Unfunded Liability Payment	\$217,346	\$289,000

## PERS 2% @ 62 - PEPRA

	FYE 2026	FYE 2027
PERS Employers Rate	8.16%	8.20%
Unfunded Liability Payment	\$20,070	\$20,000

83 | sawpa.org <sup>217</sup>

# Benefit Assumptions Used

- -\$3,104,092
- -\$369,212 (Asset)
- eligible)
  - FYE 2026 \$98,066
  - FYE 2027 \$114,228
- plan
  - (Kaiser family) \$2,170/month
    - 5% increase FYE 2026
    - 4% increase FYE 2027

• PERS Unfunded Liability as of 06/30/2024

• Outstanding OPEB Liability as of 06/30/2024 • GASB 45/75 Compliance (3.5 employees

• Annual Required Contribution = \$11,117

• Pay go Retiree Premiums (9.5) = \$86,949

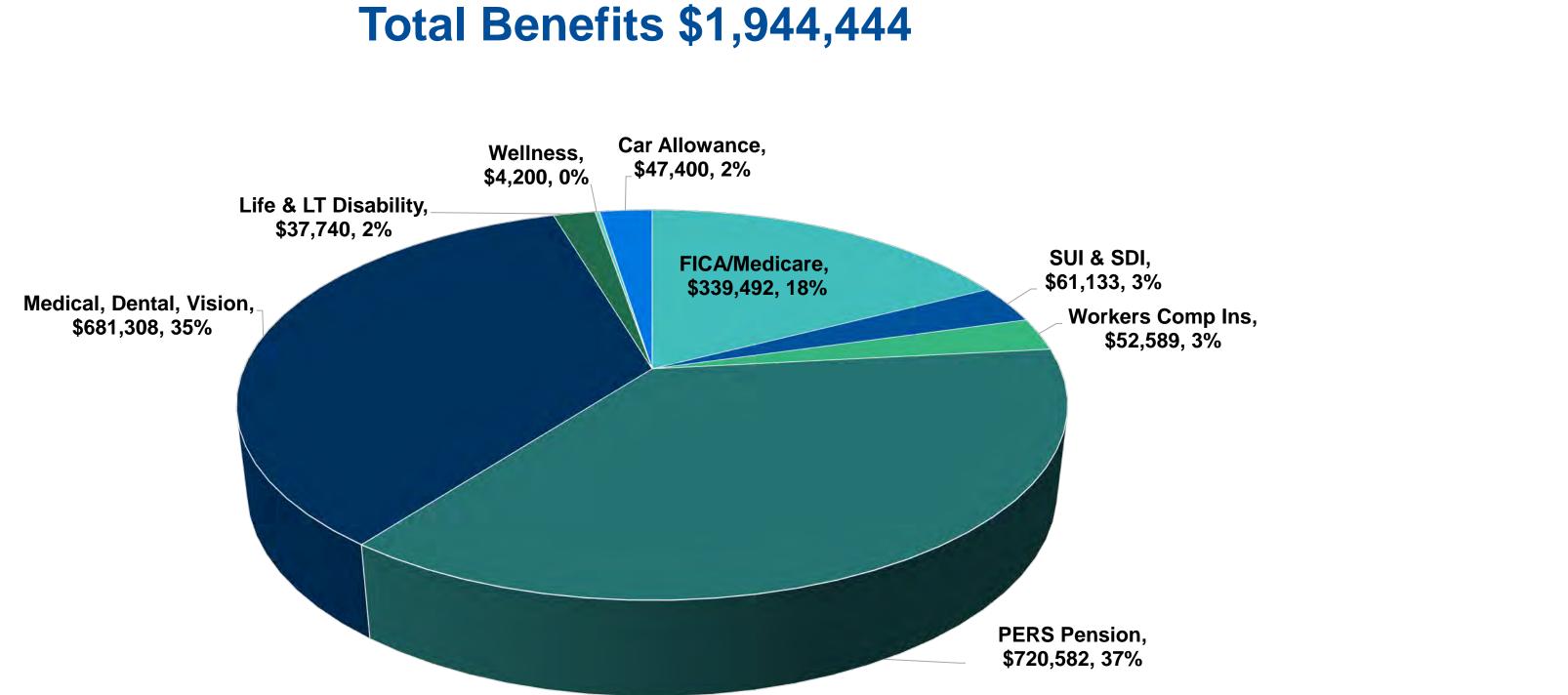
 Annual Required Contribution = \$12,000 • Pay go Retiree Premiums (10) = \$102,228

• Health insurance cap based on the lowest cost

# Total Payroll & Benefit Costs

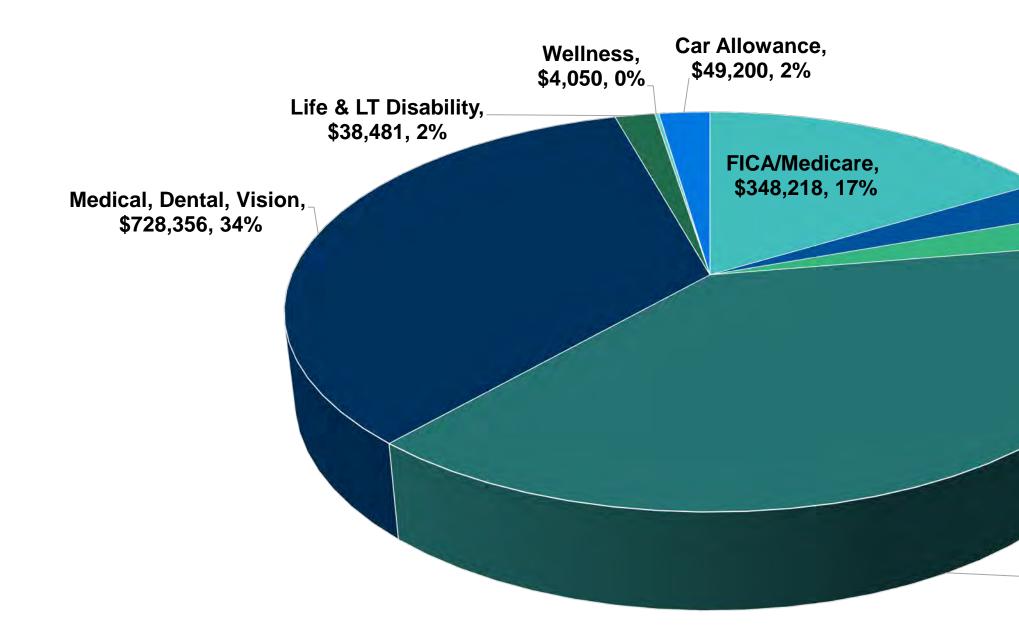
FYE	Benefits	Payroll	Total	FTE
2022	\$1,257,561	\$3,325,579	\$4,583,140	26
2023	1,424,981	4,005,652	5,430,633	26
2024	1,346,541	4,022,439	5,368,980	26
2025	1,609,040	4,416,449	6,025,489	26
2026	1,944,444	4,829,649	6,774,093	26
2027	2,127,902	5,244,232	7,372,134	26

# Benefit Costs FYE 2026



# Benefit Costs FYE 2027

## **Total Benefits \$2,127,902**





SUI & SDI, \$66,512, 3%

> Workers Comp Ins, \$60,095, 3%

**PERS Pension**, \$832,990, 39%

# **Benefit & Indirect Cost Allocation Rates**

FYE	Benefits	Indirect Cost	Total
2022	0.378	1.615	1.993
2023	0.356	1.684	2.040
2024	0.335	1.701	2.036
2025	0.364	1.636	2.000
2026	0.403	1.700	2.103
2027	0.406	1.757	2.163

# **Total Member Contributions per Agency** (not including Roundtable Contributions)

Activity	Actual FYE 2025	Budget FYE 2026	Budget FYE 2027
General Planning	\$80,000	\$100,000	\$100,000
USBR Partnership Studies	4,000	4,000	4,000
Watershed Management (OWOW)	80,000	100,000	100,000
ICARP	0	8,000	0
PFAS Study	110,000	90,000	80,000
Cloud Seeding	31,700	0	34,000
SA River Fish Conservation	2,000	4,000	4,000
LESJWA Management	2,000	2,000	2,000
State Outreach	43,050	46,680	50,247
Federal Outreach	4,532	0	0
General Fund	95,000	100,000	110,000
<b>Total Agency Contribution</b>	\$452,282	\$454,680	\$484,247
	L	/ L	J

0.53%



# Questions?

Karen Williams Santa Ana Watershed Project Authority Office (951) 354-4231 | Cell (951) 707-5683 kwilliams@sawpa.gov sawpa.gov







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			2	-Yr Budget
	 FYE 2026	FYE 2027		
Source of Funds:				
Discharge Fees	\$ 13,038,465	\$ 13,604,122		26,642,587
Grant Proceeds	\$ 6,326,222	\$ 1,321,142	\$	7,647,364
Member Agency Contributions	\$ 2,273,400	\$ 2,421,233	\$	4,694,633
Other Agency Contributions	\$ 1,252,718	\$ 1,257,649	\$	2,510,367
Other Income	\$ 5,258,879	\$ 5,443,707	\$	10,702,586
Interest & Investments	\$ 1,500,000	\$ 1,500,000	\$	3,000,000
Total Source of Funds	\$ 29,649,684	\$ 25,547,854	\$	55,197,538
Staffing:				
Hours Allocated	59,400	58,880		58,880
FTE (based on 2080)	28.6	28.3		28.3
<u>Use of Funds:</u>				
Labor	\$ 4,829,649	\$ 5,244,232	\$	10,073,881
Benefits	\$ 1,944,444	\$ 2,127,902	\$	4,072,346
Indirect Costs	\$ (0)	\$ (0)	\$	(0)
Education & Training	\$ 82,700	\$ 84,425	\$	167,125
Consulting & Professional Services	\$ 4,426,226	\$ 4,817,401	\$	9,243,627
Operating Costs	\$ 3,800,080	\$ 4,094,433	\$	7,894,513
Repair & Maintenance	\$ 633,100	\$ 652,950	\$	1,286,050
Phone & Utilities	\$ 87,333	\$ 87,883	\$	175,216
Equipment & Computers	\$ 436,256	\$ 436,767	\$	873,023
Meeting & Travel	\$ 86,180	\$ 86,600	\$	172,780
Other Administrative Costs	\$ 309,289	\$ 325,710	\$	634,999
Other Expenses	\$ 1,105,620	\$ 1,084,500	\$	2,190,120
Program Expenses	\$ 4,741,682	\$ 117,731	\$	4,859,413
Construction	\$ 2,250,000	\$ 3,595,000	\$	5,845,000
Debt Service	\$ 1,709,476	\$ 1,709,476		\$ 3,418,952
Total Use of Funds	\$ 26,442,035	\$ 24,465,010	\$	50,907,045
Contribution To Reserves:				
Pipeline Replacement & Capital Investment	\$ 2,000,000	\$ 2,000,000	\$	4,000,000
OC San Pipeline Rehabilitation	\$ 426,224	\$ 182,388	\$	608,612
Post Retirement Medical Benefits	\$ 98,066	\$ 114,228	\$	212,294
Building Repair/Replacement Reserve	\$ 100,000	\$ 100,000	\$	200,000
Total Contributions to Reserves	\$ 2,624,290	\$ 2,396,616	\$	5,020,906
Total Use of Funds	\$ 29,066,325	\$ 26,861,626	\$	55,927,951
Net Gain (Loss)	\$ 583,359	\$ (1,313,772)	\$	(730,413)
Beginning Fund Balance	\$ 4,056,205	\$ 4,639,564	\$	4,056,205
Ending Fund Balance	\$ 4,639,564	\$ 3,325,792	\$	3,325,792
Project Reimb (Prop 1 and 84 - Capital)	\$ 20,843,088	\$ 7,300,000	\$	28,143,088

#### SAWPA Fund Summary FYE 2026

Source of Funds:		General <u>Fund</u>	Er	Brine Line nterprise Fund		OWOW <u>Funds</u>		Rountables <u>Funds</u>		BL Capital Funds		Total
Discharge Fees	\$	-	\$	13,038,465	\$	-	\$	-	\$	_	\$	13,038,465
Grant Proceeds	\$	-	Ψ \$	-	\$	6,326,222	\$	_	\$	_	\$	6,326,222
Member Agency Contributions	\$	733,400	\$	-	\$	1,510,000	\$	30,000	\$	-	\$	2,273,400
Other Agency Contributions	\$	-	\$	-	\$	58,300	\$	1,194,418	Ŝ	-	\$	1,252,718
Other Income	\$	258,400	\$	-	\$	43,250	\$	2,324,671	\$	2,632,558	\$	5,258,879
Interest & Investments	\$	-	\$	1,500,000	\$	-	\$	-	\$	-	\$	1,500,000
Total Source of Funds	\$	991,800	\$	14,538,465	\$	7,937,772	\$	3,549,089	\$	2,632,558	\$	29,649,684
Staffing:	+		•	,,	Ŧ	.,	Ŧ	-,,	Ŧ	_,,	*	
Hours Allocated		28,753		18,830		9,402		2,165		250		59,400
FTE (based on 2080)		13.8		9.1		4.5		1.0		0.1		28.6
<u>Use of Funds:</u>												
Labor	\$	2,370,735	•	1,434,775	\$	,	\$	167,909	\$	33,863	\$	4,829,649
Benefits	\$	954,471	\$	577,649	\$	331,089	\$	67,602	\$	13,633	\$	1,944,444
Indirect Costs	\$	(4,179,824)	•	2,438,925	\$	1,397,913	\$	285,424	\$	57,562	\$	(0)
Education & Training	\$	68,200	\$	14,500	\$	-	\$	-	\$	-	\$	82,700
Consulting & Professional Services	\$	459,540	\$	810,000	\$	1,557,900	\$	1,323,786	\$	275,000	\$	4,426,226
Operating Costs	\$	14,600	\$	3,785,480	\$	-	\$	-	\$	-	\$	3,800,080
Repair & Maintenance	\$	115,100	\$	518,000	\$	-	\$	-	\$	-	\$	633,100
Phone & Utilities	\$	76,333	\$	11,000	\$	-	\$	-	\$	-	\$	87,333
Equipment & Computers	\$ \$	275,550	\$ \$	160,706	\$	-	\$ \$	-	\$ ¢	-	\$ \$	436,256
Meeting & Travel	ъ \$	60,500	*	3,000	\$	21,180	*	1,500	\$	-	э \$	86,180
Other Administrative Costs	ծ Տ	200,839 377,690	\$ \$	82,050 566,680	\$ \$	12,250 43,250	\$ \$	11,650 118,000	\$ \$	2,500	э \$	309,289
Other Expenses Program Expenses	ֆ Տ	377,690	ъ \$	566,680	ъ \$	43,250 4,651,212	э \$	90,470	ъ \$	-	э \$	1,105,620 4,741,682
Construction	ֆ Տ	-	գ Տ	-	գ Տ	4,031,212	φ \$	90,470	գ Տ	- 2,250,000	э \$	2,250,000
Debt Service	գ \$	-	գ \$	- 1,709,476	գ \$	-	ф \$	-	գ Տ	2,250,000	э \$	1,709,476
Total Use of Funds	<u>ψ</u> \$	793.734	<u>Ψ</u> \$	12,112,241	<u>Ψ</u> \$	8,837,161	<u>+</u> \$	2,066,341	<u>Ψ</u> \$	2,632,558	\$	26,442,035
	φ	793,734	φ	12,112,241	φ	0,037,101	φ	2,000,341	φ	2,032,550	φ	20,442,035
Contribution To Reserves: Pipeline Replacement & Capital Investment	\$	-	\$	2,000,000	\$	-	\$	-	\$	-	\$	2,000,000
OC San Pipeline Rehabilitation	\$	-	\$	426,224	\$	-	\$	-	\$	-	\$	426,224
Post Retirement Medical Benefits	\$	98,066	\$		\$	-	Ŝ	-	Ŝ	-	\$	98,066
Building Repair/Replacement Reserve	\$	100,000	\$	-	\$	-	\$	-	\$	-	\$	100,000
Total Contributions to Reserves	\$	198,066	\$	2,426,224	\$	-	\$	-	\$	-	\$	2,624,290
Total Use of Funds	\$	991,800	\$	14,538,465	\$	8,837,161	\$	2,066,341	\$	2,632,558	\$	29,066,325
Net Gain (loss)	\$	0	\$	(0)	\$	(899,389)	\$	1,482,748	\$	-	\$	583,359
Beginning Fund Balance	\$	-	\$	-	\$	1,950,254	\$	2,105,951	\$	-	\$	4,056,205
Ending Fund Balance	\$	0	\$	-	\$	1,050,865	\$	3,588,699	\$	-	\$	4,639,565
Project Reimb (Prop 1 & 84 - Capital)	\$	-	\$	-	\$	20,843,088	\$	-	\$	-	\$	20,843,088

#### SAWPA General Fund Budget FYE 2026

				Chata		
		Conoral		State		
		General Fund	Leg	gislative/Regulatory Outreach		
						Total
Courses of Funday		Fund 100-00		Fund 100-03		TOTAL
Source of Funds:	¢		¢		¢	
Grant Proceeds	\$	-	\$	-	\$	-
Member Agency Contributions	\$	500,000	\$	233,400	\$	733,400
Other Income	\$	258,400	\$	-	\$	258,400
Interest & Investments	\$	-	\$	-	\$	-
Total Source of Funds	\$	758,400	\$	233,400	\$	991,800
Staffing:						
Hours Allocated		28,193		560		28,753
FTE (based on 2080)		13.6		0.3		13.8
Use of Funds:						
Labor	\$	2,299,154	\$	71,581	\$	2,370,735
Benefits	\$	925,652	\$	28,819	\$	954,471
Indirect Costs Applied	\$	(4,179,824)	\$	-	\$	(4,179,824)
Education & Training	\$	68,200	\$	-	\$	68,200
Consulting & Professional Services	\$	340,540	\$	119,000	\$	459,540
Operating Costs	\$	14,600	\$	-	\$	14,600
Repair & Maintenance	\$	115,100	\$	-	\$	115,100
Phone & Utilities	\$	76,333	\$	-	\$	76,333
Equipment & Computers	\$	275,550	\$	-	\$	275,550
Meeting & Travel	\$	46,500	\$	14,000	\$	60,500
Other Administrative Costs	\$	200,839	\$	-	\$	200,839
Other Expenses	\$	377,690	\$	-	\$	377,690
Construction	\$	-	\$	-	\$	-
Debt Service	\$	-	\$	-	\$	-
Total Use of Funds	\$	560,334	\$	233,400	\$	793,734
Contribution To Reserves:						
Post Retirement Medical Benefits	\$	98,066	\$	-	\$	98,066
Building Repair/Replacement Reserve	\$	100,000	\$	-	\$	100,000
Total Contributions to Reserves	\$	198,066	\$	-	\$	198,066
Total Use of Funds	\$	758,400	\$	233,400	\$	991,800
Net Gain (loss)	\$	0	\$	-	\$	0

### SAWPA Brine Line Enterprise Budget FYE 2026

		Brine Line		Brine Line		
		Operating		Debt		
		Fund 240		<u>Service</u>		Total
Source of Funds:						
Discharge Fees	\$	13,038,465	\$	-	\$	13,038,465
Grant Proceeds	\$	-	\$	-	\$	-
Member Agency Contributions	\$	-	\$	-	\$	-
Other Agency Contributions	\$	-	\$	-	\$	-
Other Income	\$	-	\$	-	\$	-
Interest & Investments	\$	1,500,000	\$	-	\$	1,500,000
Total Source of Funds	\$	14,538,465	\$	-	\$	14,538,465
Staffing:	*	,,	*		Ŧ	,,
Hours Allocated		18,830		-		18,830
FTE (based on 2080)		9.1		-		9.1
Use of Funds:						
Labor	\$	1,434,775	\$	-	\$	1,434,775
Benefits	\$	577,649	\$	-	\$	577,649
Indirect Costs	\$	2,438,925	\$	-	\$	2,438,925
Education & Training	\$	14,500	\$	-	\$	14,500
Consulting & Professional Services	\$	810,000	\$	-	\$	810,000
Operating Costs	\$	3,785,480	\$	-	\$	3,785,480
Repair & Maintenance	\$	518,000	\$	-	\$	518,000
Phone & Utilities	\$	11,000	\$	-	\$	11,000
Equipment & Computers	\$	160,706	\$	-	\$	160,706
Meeting & Travel	\$	3,000	\$	-	\$	3,000
Other Administrative Costs	\$	82,050	\$	-	\$	82,050
Other Expense	\$	566,680	\$	-	\$	566,680
Construction	\$	-	\$	-	\$	, -
Debt Service Payments	\$	-	\$	1,709,476	\$	1,709,476
Total Use of Funds	\$	10,402,765	\$	1,709,476	\$	12,112,241
Contribution To Reserves:						
Pipeline Replacement & Capital Investment	\$	2,000,000	\$	-	\$	2,000,000
OC San Pipeline Rehabilitation	\$	426,224	\$	-	\$	426,224
Total Contributions to Reserves	\$	2,426,224	\$	-	\$	2,426,224
Total Use of Funds	\$	12,828,989	\$	1,709,476	\$	14,538,465
Net Cein (less)	۴	4 700 470	¢	(4 700 470)	¢	
Net Gain (loss)	\$	1,709,476	\$	(1,709,476)	\$	(0)
Indirect Costs Contribution		58.35%		0.00%		58.35%

#### SAWPA OWOW Budget FYE 2026

Source of Funds:	(	in Planning General <u>nd 370-0</u> 1	·	USBR rtnership Studies <u>Fund 370-0</u> 2	мg	Watershed mt (OWOW) <u>Fund 373</u>	ICARP <u>Fund 376</u>	PFAS Study Fund 377	Cloud Seeding Fund 378	Pro	p 84 - 2015 gram Mgmt Fund 145
Financing Proceeds	\$	_	\$	-	\$	_	\$ _	\$ -	\$ -	\$	_
Grant Proceeds	\$	-	\$	-	\$	-	\$	\$ -	\$ 262,372		534,786
Member Agency Contributions	\$	500.000		20.000	\$	500,000		450,000	\$ 	\$	-
Other Agency Contributions	\$	-	\$	-	\$	47,300	\$ -	\$ -	\$ 11,000	\$	-
Other Income	\$	-	\$	-	\$	-	\$	\$ -	\$ -	\$	-
Interest & Investmen	\$	-	\$	-	\$	-	\$	\$ -	\$ -	\$	-
Total Source of Funds	\$	500,000	\$	20,000	\$	547,300	\$ 527,229	\$ 450,000	\$ 273,372	\$	534,786
Staffing:											
Hours Allocated		1,650		105		1,975	310	665	410		1,805
FTE (based on 2080)		0.8		0.1		0.9	0.1	0.3	0.2		0.9
Use of Funds:											
Labor	\$	148,975	\$	10,112	\$	155,550	,	\$ 58,265	\$ 37,046	\$	172,374
Benefits	\$	59,978	\$	4,071	\$	62,625	\$ 7,527	\$ 23,458	\$ 14,915	\$	69,399
Indirect Costs	\$	253,237	\$	17,188	\$	264,414	\$ 31,781	\$ 99,043	\$ 62,974	\$	293,013
Education & Training	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Consulting & Professional Services	\$	15,000	\$	15,000	\$	60,000	\$ 247,500	\$ 655,000	\$ 405,000	\$	-
Operating Costs	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Equipment & Computers	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Meeting & Travel	\$	8,000	\$	1,000	\$	5,000	\$ -	\$ 1,000	\$ 5,580	\$	-
Other Administrative Costs	\$	11,500	\$	550	\$	200	\$ -	\$ -	\$ -	\$	-
Other Expense	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Program Expense	\$	-	\$	-	\$	-	\$	\$ -	\$ -	\$	-
Constructior	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Total Use of Funds	\$	496,690	\$	47,921	\$	547,789	\$ 527,229	\$ 836,766	\$ 525,515	\$	534,786
Net Gain (loss)	\$	3,310	\$	(27,921)	\$	(489)	\$ (0)	\$ (386,766)	\$ (252,143)	\$	-
Beginning Fund Balance	\$	41,653	\$	59,277	\$	118,270	\$ -	\$ 641,071	\$ 276,988	\$	-
Ending Fund Balance	\$	44,963	\$	31,356	\$	117,781	\$ (0)	\$ 254,305	\$ 24,845	\$	-
Project Reimb (Prop 1 and 84 - Cap	oital)\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Indirect Costs Contribution		6.06%		0.41%		6.33%	0.76%	2.37%	1.51%		7.01%

#### SAWPA OWOW Budget FYE 2026

	Prop 1 R1 Prop 1 R2			rop 1 R2	WECAN			Drought	SA	RCCUP &			
	Prog	ram Mgmt	Prog	gram Mgmt		Riverside		elief - DACI	Otl	ner Projects	pital Projects		
	F	Fund 150		und 155		Fund 397		Fund <u>398</u>	<u>Fι</u>	und <u>504-0</u> 4		<u>505</u>	Total
Source of Funds:													
Financing Proceeds	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Grant Proceeds	\$	172,540	\$	280,675	\$	68,546	\$	4,475,423	\$	50,473	\$	37,428	\$ 6,326,222
Member Agency Contributions	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 1,510,000
Other Agency Contributions	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 58,300
Other Income	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 43,250
Interest & Investmen	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Source of Funds	\$	172,540	\$	280,675	\$	68,546	\$	4,475,423	\$	50,473	\$	37,428	\$ 7,937,772
Staffing:													
Hours Allocated		610		955		192		155		195		375	9,402
FTE (based on 2080)		0.3		0.5		0.1		0.1		0.1		0.2	4.5
Use of Funds:													
Labor	\$	55,614	\$	90,468	\$	12,392	\$	14,645	\$	16,140		32,090	\$ 822,367
Benefits	\$	22,390	\$	36,423	\$	4,989	\$	5,896	\$	6,498	\$	12,920	\$ 331,089
Indirect Costs	\$	94,536	\$	153,784	\$	21,065	\$	24,895	\$	27,435	\$	54,548	\$ 1,397,913
Education & Training	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Consulting & Professional Services	\$	-	\$	-	\$	30,000	\$	-	\$	100,400	\$	30,000	\$ 1,557,900
Operating Costs	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Equipment & Computers	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Meeting & Travel	\$	-	\$	-	\$	100	\$	500	\$	-	\$	-	\$ 21,180
Other Administrative Costs	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 12,250
Other Expense	\$	-	\$	-	\$	-	\$	-	\$	43,250	\$	-	\$ 43,250
Program Expense	\$	-	\$	-	\$	-	\$	4,429,487	\$	-	\$	-	\$ 4,651,212
Construction	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Use of Funds	\$	172,540	\$	280,675	\$	68,546	\$	4,475,423	\$	193,723	\$	129,558	\$ 8,837,161
Net Gain (loss)	\$	-	\$	-	\$	0	\$	(0)	\$	(143,250)	\$	(92,130)	\$ (899,389)
Beginning Fund Balance	\$	-	\$	-	\$	-	\$	-	\$	720,865	\$	92,130	\$ 1,950,254
Ending Fund Balance	\$	-	\$	-	\$	0	\$	(0)	\$	577,615	\$	(0)	\$ 1,050,865
Project Reimb (Prop 1 and 84 - Capit	al)\$	-	\$	-	\$	-	\$	-	\$	9,000,000	\$	11,843,088	\$ 20,843,088
Indirect Costs Contribution		2.26%		3.68%		0.50%		0.60%		0.66%		1.31%	33.44%

#### SAWPA Roundtables Budget FYE 2026

		Basin Ionitoring Fund 374	Co	AR Fish nservation Jund 381	Т	SAR TMDL ask Force Ind 384-01	R	WQ Monitoring Task Force <u>Fund 386</u>		Arundo Mgmt & bitat Restoration <u>Fund 387</u>	C	Emerging onstituents TF Fund 392	Ad	LESJWA ministration Fund 477		Total
Source of Funds: Grant Proceeds Member Agency Contributions Other Agency Contributions Other Income	\$ \$ \$ \$	- - 224,043 -	\$ \$ \$	- 20,000 19,000 -	\$\$\$\$	- - 427,200 -	\$ \$ \$ \$ \$	- - 345,334 118,000	\$\$\$\$	- - 2,014,560	\$ \$ \$ \$	- - 178,841 -	\$\$\$\$	- 10,000 - 192,111	\$ \$ \$ \$	- 30,000 1,194,418 2,324,671
Interest & Investments	\$	-	\$	-	\$	-	\$		\$	-	\$	-	\$	-	\$	-
Total Source of Funds Staffing:	\$	224,043	\$	39,000	\$	427,200	\$	463,334	\$	2,014,560	\$	178,841	\$	202,111	\$	3,549,089
Hours Allocated FTE (based on 2080)		400 0.2		170 0.1		155 0.1		115 0.1		305 0.1		300 0.1		720 0.3		2,165 1.0
FIE (based off 2080)		0.2		0.1		0.1		0.1		0.1		0.1		0.3		1.0
<u>Use of Funds:</u> Labor	\$	25,183	\$	12,395	\$	13,273	¢	10,377	¢	26.146	\$	20,112	¢	60,423	\$	167,909
Benefits	φ Φ	10,139	φ \$	4,990	ֆ \$	5,344	φ \$	4,178	Գ Տ	10,527	ֆ \$	8,097	գ Տ	24,327		67,602
Indirect Costs	φ ¢	42,808	φ \$	21,070	\$	22,563	φ \$	17,640	φ \$	44,445	Ψ \$	34,187	Ψ \$	102,711	φ \$	285,424
Education & Training	φ \$	-2,000	\$	- 21,070	\$	-	\$	-	\$		\$	-	\$	-	\$	-
Consulting & Professional Services	\$	373,100	\$	30,000	\$	346,700	\$	400,000	\$	50,000	\$	119,986	\$	4,000	\$	1,323,786
Operating Costs	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Equipment & Computers	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Meeting & Travel	\$	-	\$	500	\$	-	\$	-	\$	500	\$	-	\$	500	\$	1,500
Other Administrative Costs	\$	-	\$	1,500	\$	-	\$	-	\$	-	\$	-	\$	10,150	\$	11,650
Other Expense	\$	-	\$	-	\$	118,000	\$	-	\$	-	\$	-	\$	-	\$	118,000
Program Expense	\$	-	\$	-	\$	-	\$	-	\$	90,470	\$	-	\$	-	\$	90,470
Construction	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Use of Funds	\$	451,230	\$	70,455	\$	505,880	\$	432,195	\$	222,088	\$	182,382	\$	202,111	\$	2,066,341
Net Gain (loss)	\$	(227,187)	\$	(31,455)	\$	(78,680)	\$	31,139	\$	1,792,472	\$	(3,541)	\$	-	\$	1,482,748
Beginning Fund Balance	\$	703,337	\$	66,006	\$	343,110	\$	67,832	\$	717,408	\$	208,258	\$	-	\$	2,105,951
Ending Fund Balance	\$	476,150	\$	34,551	\$	264,430	\$	98,971	\$	2,509,880	\$	204,717	\$	-	\$	3,588,699
Indirect Costs Contribution		1.02%		0.50%		0.54%		0.42%		1.06%		0.82%		2.46%		6.83%

#### SAWPA Brine Line Capital Budget FYE 2026

	ļ	Brine Line Protection Fund 320	Corro	ach IV-D sion Repair und 327	Total
Source of Funds:					
Grant Proceeds	\$	-	\$	-	\$ -
Member Agency Contributions	\$	-	\$	-	\$ -
Other Agency Contributions	\$	-	\$	-	\$ -
Other Income	\$	2,632,558	\$	-	\$ 2,632,558
Interest & Investments	\$ \$	-	\$	-	\$ -
Total Source of Funds	\$	2,632,558	\$	-	\$ 2,632,558
Staffing:					
Hours Allocated		250		-	250
FTE (based on 2080)		0.1		-	0.1
<u>Use of Funds:</u>					
Labor	\$	33,863	\$	-	\$ 33,863
Benefits	\$	13,633	\$	-	\$ 13,633
Indirect Costs	\$ \$ \$ \$	57,562	\$	-	\$ 57,562
Education & Training	\$	-	\$	-	\$ -
Consulting & Professional Services	\$	275,000	\$	-	\$ 275,000
Operating Costs	\$	-	\$	-	\$ -
Equipment & Computers	\$ \$ \$	-	\$	-	\$ -
Meeting & Travel	\$	-	\$	-	\$ -
Other Administrative Costs	\$	2,500	\$	-	\$ 2,500
Other Expenses	\$	-	\$	-	\$ -
Construction	\$	2,250,000	\$	-	\$ 2,250,000
Total Use of Funds	\$	2,632,558	\$	-	\$ 2,632,558
Net Gain (loss)	\$	-	\$	-	\$ -
Indirect Costs Contribution		1.38%		0.00%	1.38%

#### SAWPA Fund Summary FYE 2027

		General <u>Fund</u>	Brin	e Line Enterprise <u>Fund</u>		OWOW <u>Funds</u>		Rountables <u>Funds</u>		BL Capital Funds		Total
Source of Funds:												
Discharge Fees	\$	-	\$	13,604,122		-	\$	-	\$	-	\$	13,604,122
Grant Proceeds	\$	-	\$	-	\$	1,321,143	\$	-	\$	-	\$	1,321,142
Member Agency Contributions	\$	801,233	\$	-	\$	1,590,000	\$	30,000	\$	-	\$	2,421,233
Other Agency Contributions	\$	-	\$	-	\$	47,300	\$	1,210,349	\$	-	\$	1,257,649
Other Income	\$	46,800	\$	-	\$	226,750	\$	341,516	\$	4,828,641	\$	5,443,707
Interest & Investments	\$	-	\$	1,500,000	\$	-	\$	-	\$	-	\$	1,500,000
Total Source of Funds	\$	848,033	\$	15,104,122	\$	3,185,193	\$	1,581,865	\$	4,828,641	\$	25,547,854
Staffing:												
Hours Allocated		28,895		19,045		8,275		2,395		270		58,880
FTE (based on 2080)		13.9		9.2		4.0		1.2		0.1		28.3
Use of Funds:	•		•		•		•		•			
Labor	\$	2,663,660	\$	1,559,822		777,315	•	203,557	•	39,878	\$	5,244,232
Benefits	\$	1,080,808	\$	632,914	\$	315,404	\$	,	\$	16,181	\$	2,127,902
Indirect Costs	\$	(4,535,131)		2,741,252	\$	1,366,064	\$	357,733		70,082	\$	(0)
Education & Training	\$	69,200	\$	15,225	\$	-	\$	-	\$	-	\$	84,425
Consulting & Professional Services	\$	437,970	\$	815,750	\$	1,117,500	\$	1,341,181	\$	1,105,000	\$	4,817,401
Operating Costs	\$	14,600	\$	4,079,833	\$	-	\$	-	\$	-	\$	4,094,433
Repair & Maintenance	\$	109,200	\$	543,750	\$	-	\$	-	\$	-	\$	652,950
Phone & Utilities	\$	76,333	\$	11,550	\$	-	\$	-	\$	-	\$	87,883
Equipment & Computers	\$ \$	285,750	\$	151,017	\$	-	\$ ¢	-	ን ¢	-	\$ \$	436,767
Meeting & Travel	ծ Տ	60,500	\$	3,000	\$	21,600	\$	1,500	\$	-		86,600
Other Administrative Costs	ծ Տ	204,385	\$	84,925	\$	22,250	\$	11,650	\$	2,500	\$	325,710
Other Expenses	ծ Տ	166,530	\$ \$	573,220	\$	226,750	\$	118,000	\$	-	\$ \$	1,084,500
Program Expense	ծ Տ	-	Դ Տ	-	\$ \$	38,075	\$ \$	79,656	\$	-		117,731
Construction Debt Service	ъ \$	-	Դ Տ	-	Դ Տ	-	э \$	-	\$ \$	3,595,000	\$	3,595,000
			<u> </u>	1,709,476	<u> </u>		_		<u> </u>		<u>\$</u>	1,709,476
Total Use of Funds	\$	633,805	\$	12,921,734	\$	3,884,958	\$	2,195,872	\$	4,828,641	\$	24,465,010
Contribution To Reserves:	¢		¢	2 000 000	¢		¢		¢		¢	2 000 000
Pipeline Replacement & Capital Investment	\$	-	\$ \$	2,000,000		-	\$	-	\$ \$	-	\$	2,000,000
OC San Pipeline Rehabilitation Post Retirement Medical Benefits	\$	-	Դ Տ	182,388	\$ \$	-	\$ \$	-	ֆ Տ	-	\$ \$	182,388
	\$ \$	114,228 100,000	ъ \$	-	ъ \$	-	ъ \$	-	¢ ¢	-		114,228 100,000
Building Repair/Replacement Reserve		· · · · ·	-					-	φ	-	\$	·
Total Contributions to Reserves	\$	214,228	\$	2,182,388	\$	-	\$	-	\$	-	\$	2,396,616
Total Use of Funds	\$	848,033	\$	15,104,122	\$	3,884,958	\$	2,195,872	\$	4,828,641	\$	26,861,626
Net Gain (loss)	\$	0	\$	0	\$	(699,765)	\$	(614,007)	\$	-	\$	(1,313,772)
Beginning Fund Balance	\$	-	\$	-	\$	1,050,865	\$	3,588,699	\$	-	\$	4,639,564
Ending Fund Balance	\$	0	\$	-	\$	351,100	\$	2,974,692	\$	-	\$	3,325,792
Project Reimb (Prop 1 & 84 - Capital)	\$	-	\$	-	\$	7,300,000	\$	-	\$	-	\$	7,300,000

#### SAWPA General Fund Budget FYE 2027

				State	
		General	Leg	islative/Regulatory	
		Fund		Outreach	
		Fund 100-00		<u>Fund 100-03</u>	 Total
Source of Funds:					
Grant Proceeds	\$	-	\$	-	\$ -
Member Agency Contributions	\$	550,000	\$	251,233	\$ 801,233
Other Income	\$	46,800	\$	-	\$ 46,800
Interest & Investments	<u>\$</u> \$	-	\$	-	\$ -
Total Source of Funds	\$	596,800	\$	251,233	\$ 848,033
Staffing:					
Hours Allocated		28,275		620	28,895
FTE (based on 2080)		13.6		0.3	13.9
<u>Use of Funds:</u>					
Labor	\$	2,579,554	\$	84,106	\$ 2,663,660
Benefits	\$	1,046,681	\$	34,127	\$ 1,080,808
Indirect Costs Applied	\$	(4,535,131)	\$	-	\$ (4,535,131)
Education & Training	\$	69,200	\$	-	\$ 69,200
Consulting & Professional Services	\$	318,970	\$	119,000	\$ 437,970
Operating Costs	\$	14,600	\$	-	\$ 14,600
Repair & Maintenance	\$	109,200	\$	-	\$ 109,200
Phone & Utilities	\$ \$	76,333	\$	-	\$ 76,333
Equipment & Computers	\$	285,750	\$	-	\$ 285,750
Meeting & Travel	\$	46,500	\$	14,000	\$ 60,500
Other Administrative Costs	\$	204,385	\$	-	\$ 204,385
Other Expenses	\$	166,530	\$	-	\$ 166,530
Construction	\$	-	\$	-	\$ -
Debt Service	\$	-	\$	-	\$ -
Total Use of Funds	<u>\$</u> \$	382,572	\$	251,233	\$ 633,805
Contribution To Reserves:					
Post Retiree Medical Benefits	\$	114,228	\$	-	\$ 114,228
Building Repair/Replacement Reserve	\$	100,000	\$	-	\$ 100,000
Total Contributions to Reserves	\$	214,228	\$	-	\$ 214,228
Total Use of Funds	\$	596,800	\$	251,233	\$ 848,033
Net Gain (loss)	\$	0	\$	-	\$ 0

#### SAWPA Brine Line Enterprise Budget FYE 2027

Source of Funds:		Brine Line Operating <u>Fund 240</u>		Brine Line Debt <u>Service</u>		Total
Source of Funds:	¢	40.004.400	¢		۴	40.004.400
Discharge Fees Grant Proceeds	\$	13,604,122	\$	-	\$	13,604,122
	\$	-	\$	-	\$	-
Member Agency Contributions	\$	-	\$	-	\$	-
Other Agency Contributions	\$	-	\$	-	\$	-
Other Income	\$	-	\$	-	\$	-
Interest & Investments	<u>\$</u> \$	1,500,000	\$	-	\$	1,500,000
Total Source of Funds	\$	15,104,122	\$	-	\$	15,104,122
Staffing:						
Hours Allocated		19,045		-		19,045
FTE (based on 2080)		9.2		-		9.2
Use of Funds:						
Labor	\$	1,559,822	\$	-	\$	1,559,822
Benefits	\$	632,914	\$	-	\$	632,914
Indirect Costs	\$	2,741,252	\$	-	\$	2,741,252
Education & Training	\$	15,225	\$	-	\$	15,225
Consulting & Professional Services	\$	815,750	\$	-	\$	815,750
Operating Costs	\$	4,079,833	\$	-	\$	4,079,833
Repair & Maintenance	\$	543,750	\$	-	\$	543,750
Phone & Utilities	\$	11,550	\$	-	\$	11,550
Equipment & Computers	\$	151,017	\$	-	\$	151,017
Meeting & Travel	\$	3,000	\$	-	\$	3,000
Other Administrative Costs	\$	84,925	\$	-	\$	84,925
Other Expenses	\$	573,220	\$	-	\$	573,220
Construction	\$	-	\$	-	\$	-
Debt Service Payments	\$	-	\$	1,709,476	\$	1,709,476
Total Use of Funds	<u>\$</u>	11,212,258	<u>↓</u> \$	1,709,476	<u>↓</u> \$	12,921,734
Total Use of Funds	φ	11,212,250	φ	1,709,476	φ	12,921,734
Contribution To Reserves:						
Pipeline Replacement & Capital Investment	\$	2,000,000	\$	-	\$	2,000,000
OC San Pipeline Rehabilitation	\$	182,388	\$	-	\$	182,388
Total Contributions to Reserves	\$	2,182,388	\$	-	\$	2,182,388
Total Use of Funds	\$	13,394,646	\$	1,709,476	\$	15,104,122
Net Gain (loss)	\$	1,709,476	\$	(1,709,476)	\$	0
Indirect Costs Contribution		60.44%		0.00%		60.44%

#### SAWPA OWOW Budget FYE 2027

O sum of Fam da	C	n Planning General nd 370-01	Partnership Studies M		Fund 373			ICARP <u>Fund 37</u> 6	PFAS Study <u>Fund 377</u>			Cloud Seeding Fund 378
Source of Funds:	۴		<b>~</b>		•		•	404440	¢		•	040.050
Grant Proceeds	\$	-	\$	-	\$	-	\$	184,140		-	\$	219,356
Member Agency Contributions	\$	500,000	\$	20,000	\$	500,000	\$	-	\$	400,000	\$	170,000
Other Agency Contributions	\$	-	\$	-	\$	47,300	\$	-	\$	-	\$	-
Other Income	\$	-	\$	-	\$	-	\$	226,750	\$	-	\$	-
Interest & Investmen	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Source of Funds	\$	500,000	\$	20,000	\$	547,300	\$	410,890	\$	400,000	\$	389,356
Staffing:												
Hours Allocated		1,660		105		2,140		460		665		375
FTE (based on 2080)		0.8		0.1		1.0		0.2		0.3		0.2
Use of Funds:												
Labor	\$	161,377	\$	10,929	\$	186,484	\$	37,720	\$	62,692	\$	37,494
Benefits	\$	65,480	\$	4,435	\$	75,668	\$	15,305	\$	25,438	\$	15,214
Indirect Costs	\$	283,606	\$	19,207	\$	327,729	\$	66,290	\$	110,175	\$	65,893
Education & Training	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Consulting & Professional Services	\$	15,000	\$	15,000	\$	60,000	\$	252,500	\$	455,000	\$	290,000
Operating Costs	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Equipment & Computers	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Meeting & Travel	\$	8,000	\$	1,000	\$	5,000	\$	1,000	\$	1,000	\$	5,600
Other Administrative Costs	\$	11,500	\$	550	\$	10,200	\$	-	\$	-	\$	-
Other Expense	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Program Expense	\$	-	\$	-	\$	-	\$	38,075	\$	-	\$	-
Construction	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Use of Funds	\$	544,963	\$	51,121	\$	665,081	\$	410,890	\$	654,305	\$	414,201
Net Gain (loss)	\$	(44,963)	\$	(31,121)	\$	(117,781)	\$	0	\$	(254,305)	\$	(24,845)
Beginning Fund Balance	\$	44,963	\$	31,356	\$	117,781	\$	-	\$	254,305	\$	24,845
Ending Fund Balance	\$	0	\$	235	\$	0	\$	0	\$	0	\$	(0)
Project Reimb (Prop 1 & 84 - Capital)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Indirect Costs Contribution		6.25%		0.42%		7.23%		1.46%		2.43%		1.45%

#### SAWPA OWOW Budget FYE 2027

	PA23 Prop 1 R1 Prop 1 R2 SARCCUP & Prop 1													
	Р	rop 1 R1	F	Prop 1 R2	SA	RCCUP &		Prop 1						
	Prog	ram Mgmt			Oth	ner Projects	Са	pital Projects	5					
	F	und 150		Fund 155	Fι	ind 504-04		Fund 505		Total				
Source of Funds:														
Grant Proceeds	\$	181,736	\$	621,296	\$	-	\$	114,615	\$	1,321,143				
Member Agency Contributions	\$	-	\$	-	\$	-	\$	-	\$	1,590,000				
Other Agency Contributions	\$	-	\$	-	\$	-	\$	-	\$	47,300				
Other Income	\$	-	\$	-	\$	-	\$	-	\$	226,750				
Interest & Investmen	\$	-	\$	-	\$	-	\$	-	\$	-				
Total Source of Funds	\$	181,736	\$	621,296	\$	-	\$	114,615	\$	3,185,193				
Staffing:														
Hours Allocated		625		1,940		-		305		8,275				
FTE (based on 2080)		0.3		0.9		-		0.1		4.0				
Use of Funds:														
Labor	\$	57,454	\$	196,415	\$	-	\$	26,750	\$	777,315				
Benefits	\$	23,312	\$	79,698	\$	-	\$	10,854	\$	315,404				
Indirect Costs	\$	100,970	\$	345,183	\$	-	\$	47,011	\$	1,366,064				
Education & Training	\$	-	\$	-	\$	-	\$	-	\$	-				
Consulting & Professional Services	\$	-	\$	-	\$	-	\$	30,000	\$	1,117,500				
Operating Costs	\$	-	\$	-	\$	-	\$	-	\$	-				
Equipment & Computers	\$	-	\$	-	\$	-	\$	-	\$	-				
Meeting & Travel	\$	-	\$	-	\$	-	\$	-	\$	21,600				
Other Administrative Costs	\$	-	\$	-	\$	-	\$	-	\$	22,250				
Other Expense	\$	-	\$	-	\$	226,750	\$	-	\$	226,750				
Program Expense	\$	-	\$	-	\$	-	\$	-	\$	38,075				
Construction	\$	-	\$	-	\$	-	\$	-	\$	-				
Total Use of Funds	\$	181,736	\$	621,296	\$	226,750	\$	114,615	\$	3,884,958				
Net Gain (loss)	\$	-	\$	-	\$	(226,750)	\$	(0)	\$	(699,765)				
Beginning Fund Balance	\$	-	\$	-	\$	577,615	\$	(0)	\$	1,050,865				
Ending Fund Balance	\$	-	\$	-	\$	350,865	\$	0	\$	351,100				
Project Reimb (Prop 1 & 84 - Capital)	\$	-	\$	-	\$	-	\$	7,300,000	\$	7,300,000				
Indirect Costs Contribution		2.23%		7.61%		0.00%		1.04%		30.12%				

#### SAWPA Roundtables Budget FYE 2027

		Basin Monitoring <u>Fund 374</u>	SAR Fish Conservation <u>Fund 381</u>		MSAR TMDL Task Force <u>Fund 384-01</u>		Task Force			rrundo Mgmt & bitat Restoration <u>Fund 387</u>	C	Emerging onstituents TF <u>Fund 392</u>		LESJWA dministration <u>Fund 477</u>		Total
Source of Funds: Financing Proceeds Grant Proceeds Member Agency Contributions Other Agency Contributions Other Income Interest & Investments Total Source of Funds Staffing: Hours Allocated FTE (Fundher 2000)	\$ \$ \$ \$ \$ \$	266,282 - 266,282 - 266,282 400	\$ \$ \$ \$ \$ \$	20,000 19,000 - - 39,000 170	\$ \$ \$ \$ \$ <u>\$</u> \$	150	\$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$	- - - - - - - - 460	\$ \$ \$ \$ <del>\$</del> \$ \$	- 185,367 - - 185,367 300	\$ \$ \$ \$ \$ \$	10,000 223,516 233,516 800	\$ \$ \$ \$ \$ \$	- 30,000 1,210,349 341,516 - 1,581,865 2,395
FTE (based on 2080)		0.2		0.1		0.1		0.1		0.2		0.1		0.4		1.2
Use of Funds: Labor Benefits Indirect Costs Education & Training Consulting & Professional Services Operating Costs Equipment & Computers Meeting & Travel Other Administrative Costs Other Administrative Costs Other Expense Program Expense Construction Total Use of Funds	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	29,040 11,783 51,035 - - 363,800 - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13,136 5,330 23,085 - 30,000 - 500 1,500 - - - 73,551	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13,797 5,598 24,247 - - 369,800 - - - - 118,000 - - 531,442	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,996 4,462 19,324 - 400,000 - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	45,825 18,594 80,534 - 50,000 - - 500 - 79,656 - 275,109	\$	8,753 37,909 - 123,581 - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	69,192 28,075 121,599 - 4,000 - 500 10,150 - - - 233,516	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	203,557 82,595 357,733 - 1,341,181 - 1,500 11,650 118,000 79,656 - 2,195,872
Net Gain (loss)	\$	(189,376)	\$	(34,551)	\$	(103,742)	\$	(4,782)	\$	(275,109)	\$	(6,447)	\$	-	\$	(614,007)
Beginning Fund Balance	\$	476,150		34,551		264,430		98,971		2,509,880				-	\$	3,588,699
Ending Fund Balance Indirect Costs Contribution	\$	286,774 1.13%	\$	(0) 0.51%	\$	160,688 0.53%	\$	94,189 0.43%	\$	2,234,771 1.78%		198,270 0.84%		- 2.68%	\$	2,974,692 7.89%

#### SAWPA Brine Line Capital Budget FYE 2027

	I	Brine Line Protection Fund 320	Cor	Reach IV-D rosion Repair <u>Fund 327</u>	Total
Source of Funds:					
Grant Proceeds	\$	-	\$	-	\$ -
Member Agency Contributions	\$	-	\$	-	\$ -
Other Agency Contributions	\$	-	\$	-	\$ -
Other Income	\$	4,828,641	\$	-	\$ 4,828,641
Interest & Investments	\$	-	\$	-	\$ -
Total Source of Funds	\$	4,828,641	\$	-	\$ 4,828,641
Staffing:					
Hours Allocated		270		-	270
FTE (based on 2080)		0.1		-	0.1
Use of Funds:					
Labor	\$	39,878	\$	-	\$ 39,878
Benefits	\$	16,181	\$	-	\$ 16,181
Indirect Costs	\$	70,082	\$	-	\$ 70,082
Education & Training	\$	-	\$	-	\$ -
Consulting & Professional Services	\$	1,105,000	\$	-	\$ 1,105,000
Operating Costs	\$	-	\$	-	\$ -
Equipment & Computers	\$	-	\$	-	\$ -
Meeting & Travel	\$	-	\$	-	\$ -
Other Administrative Costs	\$	2,500	\$	-	\$ 2,500
Other Expenses	\$	-	\$	-	\$ -
Construction	\$	3,595,000	\$	-	\$ 3,595,000
Total Use of Funds	\$	4,828,641	\$	-	\$ 4,828,641
Net Gain (loss)	\$	-	\$	-	\$ -
Indirect Costs Contribution		1.55%		0.00%	1.55%

#### Santa Ana Watershed Project Authority Budget Summary FYE 2022 through 2027

		FYE 2022 Actuals	FYE 2023 Actual	FYE 2024 Actual	FYE 2025 <u>12/31/2024</u>	FYE 2025 Budget	FYE 2026 <u>Budget</u>	FYE 2027 Budget
Source of Funds:								
Discharge Fees	\$	12,159,431	\$ 12,310,368	\$ 12,830,811	\$ 6,704,952	\$ 12,405,112	\$ 13,038,465	\$ 13,604,122
Grant Proceeds	\$	856,080	\$ 1,142,350	\$ 1,458,206	\$ 533,225	\$ 2,359,785	\$ 6,326,222	\$ 1,321,142
Member Agency Contributions	\$	1,581,845	\$ 2,069,760	\$ 2,299,275	\$ 2,261,410	\$ 2,261,410	\$ 2,273,400	\$ 2,421,233
Other Agency Contributions	\$	1,565,787	\$ 1,315,388	\$ 1,329,726	\$ 1,279,264	\$ 1,324,212	\$ 1,252,718	\$ 1,257,649
Mitigation Credit Sales	\$	-	\$ -	\$ -	\$ -	\$ 889,800	\$ 2,014,560	\$ -
Operating Transfer	\$	114,625	\$ 145,964	\$ 124,165	\$ 120,320	\$ 120,320	\$ 161,250	\$ 118,000
Use of Reserves	\$	2,331,556	\$ 2,975,255	\$ 3,127,961	\$ 11,957	\$ 1,870,013	\$ 2,632,558	\$ 4,828,641
Other Income	\$	547,701	\$ 481,143	\$ 2,539,735	\$ 104,331	\$ 188,285	\$ 450,511	\$ 497,066
Interest & Investments	\$	384,954	\$ 1,455,407	\$ 2,718,602	\$ 900,072	\$ 673,000	\$ 1,500,000	\$ 1,500,000
Total Source of Funds	\$	19,541,979	\$ 21,895,635	\$ 26,428,481	\$ 11,915,531	\$ 22,091,937	\$ 29,649,684	\$ 25,547,854
Use of Funds:								
Labor	\$	3,531,792	\$ 3,985,333	\$ 4,120,957	\$ 2,196,269	\$ 4,416,450	\$ 4,829,649	\$ 5,244,231
Benefits	\$	1,468,272	\$ 1,673,486	\$ 1,312,727	\$ 799,404	\$ 1,609,040	\$ 1,944,444	\$ 2,127,902
Indirect Costs	\$	127,279	\$ (100,807)	\$ 26,119	\$ (10,067)	\$ -	\$ (0)	\$ -
Education & Training	\$	25,210	\$ 24,415	\$ 52,683	\$ 40,685	\$ 76,225	\$ 82,700	\$ 84,425
Consulting & Professional Services	\$	1,892,178	\$ 2,618,365	\$ 3,581,616	\$ 856,441	\$ 4,764,865	\$ 3,102,440	\$ 3,476,220
Operating Costs	\$	2,783,028	\$ 2,943,946	\$ 3,331,853	\$ 1,501,190	\$ 3,053,819	\$ 5,123,866	\$ 5,435,614
Repair & Maintenance	\$	333,628	\$ 154,311	\$ 362,464	\$ 48,828	\$ 660,458	\$ 633,100	\$ 652,950
Phone & Utilities	\$	67,243	\$ 63,709	\$ 68,612	\$ 45,378	\$ 102,866	\$ 87,333	\$ 87,883
Equipment & Computers	\$	253,862	\$ 263,743	\$ 362,963	\$ 199,430	\$ 469,830	\$ 436,256	\$ 436,767
Meeting & Travel	\$	28,704	\$ 55,078	\$ 60,494	\$ 27,044	\$ 92,450	\$ 86,180	\$ 86,600
Other Administrative Costs	\$	208,494	\$ 239,106	\$ 257,768	\$ 158,667	\$ 312,218	\$ 309,289	\$ 325,710
Other Expenses	\$	429,728	\$ 491,713	\$ 570,344	\$ 348,582	\$ 716,885	\$ 1,105,620	\$ 1,084,500
Program Expenses	\$		\$ 281,354	\$ 105,563	\$ -	\$ 478,726	\$ 90,470	\$ 79,656
Construction	\$	83,522	\$ 2,304,765	\$ 2,267,305	\$ -	\$ 1,125,000	\$ 6,901,212	\$ 3,633,075
Debt Service	\$	2,835,027	\$ 1,709,476	\$ 1,709,475	\$ 1,044,313	\$ 1,709,476	\$ 1,709,476	\$ 1,709,476
Total Use of Funds	\$	14,067,968	\$ 16,707,993	\$ 18,190,943	\$ 7,256,164	\$ 19,588,308	\$ 26,442,035	\$ 24,465,010
Contribution To Reserves:								
Pipeline Replacement & Capital Investment	\$	1,810,491	1,467,543	\$ 1,900,000	1,900,000	1,900,000	2,000,000	2,000,000
OC San Pipeline Rehabilitation	\$	-	\$ -	\$ 325,309	\$ 155,786	155,786	\$ 426,224	\$ 182,388
Self-Insurance	\$	100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$	1,708,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Post Retirement Medical Benefits	\$	131,283	\$ 79,207	\$ 83,407	\$ 32,583	\$ 99,523	\$ 98,066	\$ 114,228
Building Repair/Replacement Reserve	<u>\$</u>	100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Total Contributions to Reserves	\$	3,850,524	\$ 1,646,750	\$ 2,408,716	\$ 2,188,369	\$ 2,255,309	\$ 2,624,290	\$ 2,396,616
Total Use of Funds	\$	17,918,492	\$ 18,354,743	\$ 20,599,659	\$ 9,444,533	\$ 21,843,617	\$ 29,066,325	\$ 26,861,626
Net Gain (loss)	\$	1,623,487	\$ 3,540,892	\$ 5,828,822	\$ 2,470,998	\$ 248,320	\$ 583,359	\$ (1,313,772)
Project Reimb (Prop 1,50, & 84 - Capital)	\$	11,290,121	\$ 8,067,833	\$ 5,132,063	\$ -	\$ 15,263,495	\$ 20,843,088	\$ 7,300,000

#### Santa Ana Watershed Project Authority General Funds FYE 2022 through 2027

	FYE 2022 <u>Actual</u>		FYE 2023 <u>Actual</u>	FYE 2024 <u>Actual</u>		FYE 2025 <u>12/31/2024</u>		FYE 2025 <u>Budget</u>	FYE 2026 <u>Budget</u>	FYE 2027 <u>Budget</u>
Source of Funds:										
Grant Proceeds	\$-	\$	-	\$ 1,040	\$	1,040	\$	-	\$ -	\$ -
······································	\$ 716,845		725,435	\$ 696,275	\$	712,910	\$	712,910	\$ 733,400	\$ 801,233
	\$ 38,435		7,708	\$ 3,186	\$	942	\$	-	\$ 258,400	\$ 46,800
Interest & Investments	\$ 24,566	\$	91,492	\$ 148,885	\$	40,032	\$	-	\$ -	\$ -
Total Source of Funds	\$ 779,846	\$	824,635	\$ 849,386	\$	754,924	\$	712,910	\$ 991,800	\$ 848,033
Staffing:							\$	-		\$ -
Hours Allocated	22,956		27,416	25,948		13,353		28,150	28,753	28,895
FTE (based on 2080)	11.0		13.2	12.5		6.4		13.5	13.8	13.9
<u>Use of Funds:</u>										
Labor	\$ 1,627,232	\$	2,043,775	\$ 2,066,310	\$	1,126,690	\$	2,115,066	\$ 2,370,735	\$ 2,663,660
Benefits	\$ 644,384		859,173	\$ 558,689	\$	410,076	\$	770,579	\$ 954,471	\$ 1,080,808
Indirect Costs	\$ (2,816,406	)\$	(3,224,641)	\$ (3,430,663)	\$	(1,759,900)	\$	(3,765,175)	\$ (4,179,824)	\$ (4,535,131)
Education & Training	\$ 25,203	\$	22,848	\$ 52,575	\$	40,685	\$	61,000	\$ 68,200	\$ 69,200
	\$ 282,968		296,921	\$ 333,866	\$	145,606	\$	426,610	\$ 459,540	437,970
- p	\$ 1,564		2,145	\$ 2,694	\$	4,872	\$	11,880	\$ 14,600	\$ 14,600
	\$ 64,179		63,997	\$ 106,575	\$	35,371	\$	106,900	\$ 115,100	\$ 109,200
	\$ 55,109		54,383	\$ 59,570	\$	41,223	\$	89,666	\$ 76,333	\$ 76,333
	\$ 203,046	\$	208,171	\$ 314,511	\$	156,207	\$	265,663	\$ 275,550	\$ 285,750
<b>J</b>	\$ 25,700	\$	44,253	\$ 44,551	\$	24,549	\$	71,500	\$ 60,500	\$ 60,500
Other Administrative Costs	\$ 148,841	\$	166,833	\$ 182,417	\$	100,255	\$	189,730	\$ 200,839	\$ 204,385
Other Expenses	\$115,399	\$	106,476	\$ 89,911	\$	56,563	\$	169,968	\$ 377,690	\$ 166,530
Total Use of Funds	\$ 377,219	\$	644,333	\$ 381,006	\$	382,197	\$	513,387	\$ 793,735	\$ 633,805
Contribution To Reserves:										
Post Retirement Medical Benefits	\$ 131,283	\$	79,207	\$ 83,407	\$	32,583	\$	99,523	\$ 98,066	\$ 114,228
Building Repair/Replacement Reserve	\$ 100,000	\$	100,000	\$ 100,000	\$	100,000	\$	100,000	\$ 100,000	\$ 100,000
Total Contributions to Reserves	\$ 231,283	\$	179,207	\$ 183,407		132,583	\$	199,523	\$ 198,066	\$ 214,228
Total Use of Funds	\$ 608,502	\$	823,540	\$ 564,413	\$	514,780	\$	712,910	\$ 991,801	\$ 848,033
Net Gain (loss)	\$ 171,344	\$	1,095	\$ 284,973	\$	240,144	\$	-	\$ 0	\$ 0

#### Santa Ana Watershed Project Authority Brine Line Enterprise Funds FYE 2022 through 2027

			FYE 2025 2/31/2024	FYE 2025 <u>Budget</u>		FYE 2026 Budget	FYE 2027 Budget			
Source of Funds:										
Discharge Fees	\$ 12,010,235	\$	12,310,368	\$ 12,830,811	\$	6,704,952	\$	12,405,112	\$ 13,038,465	\$ 13,604,122
Use of Reserves	\$ 196,104	\$	-	\$ -	\$	-	\$	-	\$ -	\$ -
Other Income	\$ 30,286	\$	269,721	\$ 2,383,089	\$	233	\$	-	\$ -	\$ -
Interest & Investments	\$ 304,367	\$	1,295,665	\$ 2,432,284	\$	819,497	\$	673,000	\$ 1,500,000	\$ 1,500,000
Total Source of Funds	\$ 12,540,992	\$	13,875,754	\$ 17,646,184	\$	7,524,682	\$	13,078,112	\$ 14,538,465	\$ 15,104,122
Staffing:										
Hours Allocated	17,954		18,035	17,982		9,193		19,407	18,830	19,045
FTE (based on 2080)	8.6		8.7	8.6		4.4		9.3	9.1	9.2
<u>Use of Funds:</u>										
Labor	\$ 1,058,655	\$	1,161,934	, ,	\$	,		1,392,817	1,434,775	\$ 1,559,822
Benefits	\$ 419,227	\$	488,012	456,194	\$	252,218	\$	507,443	\$ 577,649	\$ 632,914
Indirect Costs	\$ 1,707,611	\$	//	\$ 2,103,217	\$	1,133,595	\$	2,278,716	\$ 2,438,925	\$ 2,741,252
Education & Training	\$ 1,197	\$	1,451	108	\$	-	\$	15,225	\$ 14,500	\$ 15,225
Consulting & Professional Services	\$ 77,679	\$	113,549	340,899	\$	120,514	\$	772,500	\$ 810,000	\$ 815,750
Operating Costs	\$ 2,899,025	\$	2,936,072	3,327,750	\$	1,495,586	\$	3,041,939	\$ 3,785,480	\$ 4,079,833
Repair & Maintenance	\$ 216,778	\$	/ -	\$ 255,889	\$	13,457	\$	553,558	518,000	\$ 543,750
Phone & Utilities	\$ 11,092	\$	9,326	\$ 9,042	\$	4,155	\$	13,200	11,000	\$ 11,550
Equipment & Computers	\$ 49,938	\$	53,572	48,133	\$	43,223	\$	204,167	160,706	\$ 151,017
Meeting & Travel	\$ -	\$	2,055	\$ 579	\$	1,126	\$	7,700	\$ 3,000	\$ 3,000
Other Administrative Costs	\$ 55,295	\$	43,374	\$ 40,478	\$	27,671	\$	98,988	\$ 82,050	\$ 84,925
Other Expenses	\$ 406,635	\$	239,273	\$ 356,268	\$	171,699	\$	426,597	\$ 566,680	\$ 573,220
Debt Service	\$ 2,608,439	\$	1,709,476	\$ 1,709,475	\$	1,044,313	\$	1,709,476	\$ 1,709,476	\$ 1,709,476
Total Use of Funds	\$ 9,511,571	\$	8,716,799	\$ 9,891,068	\$	5,000,463	\$	11,022,326	\$ 12,112,241	\$ 12,921,734
Contribution To Reserves:										
Pipeline Replacement & Capital Investment	\$ 928,781	\$	1,467,543	\$ 1,900,000	\$	1,900,000	\$	1,900,000	\$ 2,000,000	\$ 2,000,000
OC San Pipeline Rehabilitation	\$ -	\$	-	\$ 325,309	\$	155,786	\$	155,786	\$ 426,224	\$ 182,388
Total Contributions to Reserves	\$ 928,781	\$	1,467,543	\$ 2,225,309	\$	2,055,786	\$	2,055,786	\$ 2,426,224	\$ 2,182,388
Total Use of Funds	\$ 10,440,352	\$	10,184,342	\$ 12,116,377	\$	7,056,249	\$	13,078,112	\$ 14,538,465	\$ 15,104,122
Net Gain (loss)	\$ 2,100,640	\$	3,691,412	\$ 5,529,807	\$	468,433	\$	0	\$ (0)	\$ 0

#### Santa Ana Watershed Project Authority OWOW Funds FYE 2022 through 2027

	FYE 2022 <u>Actuals</u>	FYE 2023 <u>Actuals</u>		FYE 2024 <u>Actuals</u>		FYE 2025 <u>12/31/2024</u>		FYE 2025 Budget	FYE 2026 Budget	FYE 2027 <u>Budget</u>		
Source of Funds:												
Grant Proceeds	\$ 856,080	\$	1,142,350	\$ 1,457,166	\$	532,185	\$	2,109,785	\$ 6,326,222	\$	1,321,143	
Member Agency Contributions	\$ 845,000	\$	1,324,325	\$ 1,592,000	\$	1,528,500	\$	1,528,500	\$ 1,510,000	\$	1,590,000	
Other Agency Contributions	\$ 501,412	\$	177,233	\$ 112,233	\$	78,900	\$	95,087	\$ 58,300	\$	47,300	
Operating Transfer	\$ -	\$	-	\$ -	\$	-	\$	-	\$ 43,250	\$	-	
Other Income	\$ -	\$	-	\$ -	\$	-	\$	-	\$ -	\$	226,750	
Interest & Investments	\$ 5,482	\$	20,682	\$ 46,982	\$	15,377	\$	-	\$ -	\$	-	
Total Source of Funds	\$ 2,207,974	\$	2,664,589	\$ 3,208,381	\$	2,154,962	\$	3,733,372	\$ 7,937,772	\$	3,185,193	
Staffing:												
Hours Allocated	7,454		8,165	8,617		3,604		8,372	9,402		8,275	
FTE (based on 2080)	3.6		3.9	4.1		1.7		4.0	4.5		4.0	
Use of Funds:												
Labor	\$ 516,038	\$	601,210	\$ 655,038	\$	300,072	\$	680,611	\$ 822,367	\$	777,315	
Benefits	\$ 204,350	\$	252,508	\$ 240,383	\$	109,228	\$	247,967	\$ 331,089	\$	315,404	
Indirect Costs	\$ 832,367	\$	966,747	\$ 1,088,646	\$	490,920	\$	1,113,511	\$ 1,397,913	\$	1,366,064	
Education & Training	\$ -	\$	116	\$ -	\$	-	\$	-	\$ -	\$	-	
Consulting & Professional Services	\$ 512,776	\$	693,871	\$ 1,362,548	\$	296,312	\$	1,712,380	\$ 1,557,900	\$	1,117,500	
Operating Costs	\$ -	\$	1,291	\$ 233	\$	-	\$	-	\$ -	\$	-	
Equipment & Computers	\$ 771	\$	2,000	\$ -	\$	-	\$	-	\$ -	\$	-	
Meeting & Travel	\$ 2,500	\$	8,443	\$ 14,273	\$	1,177	\$	12,000	\$ 21,180	\$	21,600	
Other Administrative Costs	\$ 10,000	\$	18,694	\$ 22,154	\$	20,200	\$	10,850	\$ 12,250	\$	22,250	
Other Expense	\$ 8,656	\$	-	\$ -	\$	-	\$	-	\$ 43,250	\$	226,750	
Construction	\$ -	\$	-	\$ 1,134	\$	-	\$	-	\$ 4,651,212	\$	38,075	
Program Expense	\$ 1	\$	281,354	\$ 105,563	\$	-	\$	452,000	\$ -	\$	-	
Total Use of Funds	\$ 2,087,459	\$	2,826,235	\$ 3,489,972	\$	1,217,909	\$	4,229,319	\$ 8,837,161	\$	3,884,958	
Net Gain (loss)	\$ 120,515	\$	(161,646)	\$ (281,591)	\$	937,053	\$	(495,947)	\$ (899,389)	\$	(699,765)	
Project Reimb (Prop 1, 50 & 84 - Capital)	\$ 11,290,121	\$	8,067,833	\$ 5,132,063	\$	-	\$	15,263,495	\$ 20,843,088	\$	7,300,000	

#### Santa Ana Watershed Project Authority Roundtable Funds FYE 2022 through 2027

	FYE 2022 <u>Actuals</u>	I	FYE 2023 <u>Actual</u>	FYE 2024 <u>Actual</u>	FYE 2025 1 <u>2/31/2024</u>	FYE 2025 <u>Budget</u>		FYE 2026 <u>Budget</u>	FYE 2027 <u>Budget</u>
Source of Funds:									
Grant Proceeds	\$ -	\$	-	\$ -	\$ -	\$ 250,000	\$	-	\$ -
Member Agency Contributions	\$ 20,000	\$	20,000	\$ 11,000	\$ 20,000	\$ 20,000	\$	30,000	\$ 30,000
Other Agency Contributions	\$ 1,064,375	\$	1,138,155	\$ 1,217,493	\$ 1,200,364	\$ 1,229,125	\$	1,194,418	\$ 1,210,349
Mitigation Credit Sales	\$ -	\$	-	\$ -	\$ -	\$ 889,800	\$	2,014,560	\$ -
Operating Transfer	\$ 114,625	\$	145,964	\$ 124,165	\$ 120,320	\$ 120,320	\$	118,000	\$ 118,000
Other Income	\$ 191,841	\$	203,714	\$ 153,460	\$ 103,156	\$ 188,285	\$	192,111	\$ 223,516
Interest & Investments	\$ 11,920	\$	47,568	\$ 90,451	\$ 25,166	\$ -	\$	-	\$ -
Total Source of Funds	\$ 1,402,761	\$	1,555,402	\$ 1,596,569	\$ 1,469,006	\$ 2,697,530	\$	3,549,089	\$ 1,581,865
Staffing:									
Hours Allocated	2,372		2,245	2,008	1,157	2,325		2,165	2,395
FTE (based on 2080)	1.1		1.1	1.0	0.6	1.1		1.0	1.2
<u>Use of Funds:</u>									
Labor	\$ 148,492	\$	146,385	\$ 123,967	\$ 76,051	\$ 173,792	\$	167,909	\$ 203,557
Benefits	\$ 58,802	\$	61,481	\$ 45,495	\$ 27,682	\$ 63,317	\$	67,602	\$ 82,595
Indirect Costs	\$ 239,516	\$	235,386	\$ 209,751	\$ 124,419	\$ 284,333	\$	285,424	\$ 357,733
Consulting & Professional Services	\$ 931,289	\$	945,482	\$ 783,818	\$ 283,701	\$ 1,273,375	\$	-	\$ -
Operating Costs	\$ -	\$	141	\$ -	\$ 732	\$ -	\$	1,323,786	\$ 1,341,181
Phone & Utilities	\$ 318	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
Equipment & Computers	\$ -	\$	-	\$ 319	\$ -	\$ -	\$	-	\$ -
Meeting & Travel	\$ 219	\$	327	\$ 1,091	\$ 192	\$ 1,250	\$	1,500	\$ 1,500
Other Administrative Costs	\$ 10,120	\$	10,205	\$ 12,330	\$ 10,541	\$ 10,150	\$	11,650	\$ 11,650
Other Expense	\$ 114,812	\$	145,964	\$ 124,165	\$ 120,320	\$ 120,320	\$	118,000	\$ 118,000
Program Expense	\$ -	\$	-	\$ -	\$ -	\$ 26,726	\$	90,470	\$ 79,656
Total Use of Funds	\$ 1,503,568	\$	1,545,371	\$ 1,300,936	\$ 643,638	\$ 1,953,263	\$	2,066,341	\$ 2,195,872
Total Use of Funds	\$ 1,503,568	\$	1,545,371	\$ 1,300,936	\$ 643,638	\$ 1,953,263	\$	2,066,341	\$ 2,195,872
Net Gain (loss)	\$ (100,807)	\$	10,031	\$ 295,633	\$ 825,368	\$ 744,267	\$	1,482,748	\$ (614,007)

#### Santa Ana Watershed Project Authority Brine Line Capital Project Funds FYE 2022 through 2027

	FYE 2022 <u>Actuals</u>		FYE 2023 Actuals	FYE 2024 Actuals	FYE 2025 <u>12/31/2024</u>	FYE 2025 <u>Budget</u>	FYE 2026 <u>Budget</u>		FYE 2027 <u>Budget</u>
Source of Funds:									
Grant Proceeds	\$ -	\$	-	\$ -	\$	\$ -	\$ -	\$	-
Use of Reserves	\$ 171,529	\$	2,975,255	\$ 3,127,961	\$ 11,957	\$ 1,870,013	\$ 2,632,558	\$	4,828,641
Other Income	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Total Source of Funds	\$ 171,529	\$	2,975,255	\$ 3,127,961	\$ 11,957	\$ 1,870,013	\$ 2,632,558	\$	4,828,641
Staffing:									
Hours Allocated	326		132	310	24	626	250		270
FTE (based on 2080)	0.2		0.1	0.1	0.0	0.3	0.1		0.1
<u>Use of Funds:</u>									
Labor	\$ 17,500	\$	32,029	\$ 32,606	\$ 550	\$ 54,164	\$ 33,863	\$	39,878
Benefits	\$ 6,930	\$	12,312	\$ 11,966	\$ 200	\$ 19,734	\$ 13,633	\$	16,181
Indirect Costs	\$ 28,227	\$	53,310	\$ 55,168	\$ 899	\$ 88,615	\$ 57,562	\$	70,082
Education & Training	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Consulting & Professional Services	\$ 35,000	\$	568,542	\$ 760,485	\$ 10,308	\$ 580,000	\$ 275,000	\$	1,105,000
Operating Costs	\$ -	\$	4,297	\$ 1,176	\$ -	\$ -	\$ -	\$	-
Repair & Maintenance	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Phone & Utilities	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Equipment & Computers	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Meeting & Travel	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Other Administrative Costs	\$ 350	\$	-	\$ 389	\$ -	\$ 2,500	\$ 2,500	\$	2,500
Other Expenses	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Construction	\$ 83,522	\$	2,304,765	\$ 2,266,171	\$ -	\$ 1,125,000	\$ 2,250,000	\$	3,595,000
Debt Service	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Total Use of Funds	\$ 171,529	\$	2,975,255	\$ 3,127,961	\$ 11,957	\$ 1,870,013	\$ 2,632,558	\$	4,828,641
Net Gain (loss)	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-

#### Sources and Uses of Funds FYE 2026

	EXPENSES						REVE	INUES				
								Other In	come			
		Total	Member Contributions	Other Agency Contributions	Discharge Fees	Interest & Investments	Use of Reserves	Mitigation Credit Sales	Other	Operating Transfers	Grants	Total
100	General Fund	\$991,800	733,400	-	-	-	258,400	-	-	-	-	\$991,800
145	Prop 84 - 2015 Program Management	\$534,786	-	-	-	-	-	-	-	-	534,786	\$534,786
150	Prop 1 R2 - Program Management	\$172,540	-	-	-	-	-	-	-	-	172,540	\$172,540
155	Prop 1 R2 - Program Management	\$280,675	-	-	-	-	-	-	-	-	280,675	\$280,675
240	Brine Line Enterprise	\$14,538,465	-	-	13,038,465	1,500,000	-	-	-	-	-	\$14,538,465
320	Brine Line Protection Project	\$2,632,558	-	-	-	-	2,632,558	-	-	-	-	\$2,632,558
327	Reach IV-D Corrosion Repair	\$0	-	-	-	-	-	-	-	-	-	\$0
370	Basin Planning General	\$496,690	500,000	-	-	-	-	-	-	-	-	\$500,000
370	USBR Partnership Studies	\$47,921	20,000	-	-	-	-	-	-	-	-	\$20,000
373	Watershed Management (OWOW)	\$547,789	500,000	47,300	-	-	-	-	-	-	-	\$547,300
374	Basin Monitoring Program Task Force	\$451,230	-	224,043	-	-	-	-	-	-	-	\$224,043
376	Integrated Climate Adaptation & Resilience	\$527,229	40,000	-	-	-	-	-	-	43,250	443,979	\$527,229
377	PFAS Study	\$836,766	450,000	-	-	-	-	-	-	-	-	\$450,000
378	Cloud Seeding	\$525,515	-	11,000	-	-	-	-	-	-	262,372	\$273,372
381	SA River Fish Conservation	\$70,455	20,000	19,000	-	-	-	-	-	-	-	\$39,000
384	MSAR TMDL Task Force	\$505,880	-	427,200	-	-	-	-	-	-	-	\$427,200
386	RWQ Monitoring TF	\$432,195	-	345,334	-	-	-	-	-	118,000	-	\$463,334
387	Arundo Management & Habitat Restoration	\$222,088	-	-	-	-	-	2,014,560	-	-	-	\$2,014,560
392	Emerging Consituents Task Force	\$182,382	-	178,841	-	-	-	-	-	-	-	\$178,841
397	WECAN - Riverside	\$68,546	-	-	-	-	-	-	-	-	68,546	\$68,546
398	Drought Relief Grant - DACI	\$4,475,423	-	-	-	-	-	-	-	-	4,475,423	\$4,475,423
477	LESJWA Administration	\$202,111	10,000	-	-	-	-	-	192,111	-	-	\$202,111
504	Prop 84 SARCCUP	\$193,723	-	-	-	-	-	-	-	-	50,473	\$50,473
505	Prop 1 SAWPA Capital Project	\$129,558	-	-	-	-	-	-	-	-	37,428	\$37,428
		\$29,066,325	\$2,273,400	\$1,252,718	\$13,038,465	\$1,500,000	\$2,890,958	\$2,014,560	\$192,111	\$161,250	\$6,326,222	\$29,649,684

PASS-THROUGH						PASS-THROUGH		
504 Prop 84 Capital Projects	\$9,000,000	-	-	-	-	-	- \$9,000,000	\$9,000,000
505 Prop 1 Capital Projects Round I & 2	\$11,843,088	-	-	-	-	-	- \$11,843,088	\$11,843,088
Total	\$49,909,413							\$50,492,772

#### Sources and Uses of Funds FYE 2027

	EXPENSES											
								Other In	come			
		Total	Member Contributions	Other Agency Contributions	Discharge Fees	Interest & Investments	Use of Reserves	Mitigation Credit Sales	Other	Operating Transfers	Grants	Total
100	General Fund	\$848,033	801,233	-	-	-	46,800	-	-	-	-	\$848,033
145	Prop 84 - 2015 Program Management	\$0	-	-	-	-	-	-	-	-	-	\$0
150	Prop 1 R1 - Program Management	\$181,736	-	-	-	-	-	-	-	-	181,736	\$181,736
155	Prop 1 R2 - Program Management	\$621,296	-	-	-	-	-	-	-	-	621,296	\$621,296
240	Brine Line Enterprise	\$15,104,122	-	-	13,604,122	1,500,000	-	-	-	-	-	\$15,104,122
320	Brine Line Protection Project	\$4,828,641	-	-	-	-	4,828,641	-	-	-	-	\$4,828,641
327	Reach IV-D Corrosion Repair	\$0	-	-	-	-	-	-	-	-	-	\$0
370	Basin Planning General	\$544,963	500,000	-	-	-	-	-	-	-	-	\$500,000
370	USBR Partnership Studies	\$51,121	20,000	-	-	-	-	-	-	-	-	\$20,000
373	Watershed Management (OWOW)	\$665,081	500,000	47,300	-	-	-	-	-	-	-	\$547,300
374	Basin Monitoring Program Task Force	\$455,658	-	266,282	-	-	-	-	-	-	-	\$266,282
376	Integrated Climate Adaptation & Resilience	\$410,890	-	-	-	-	-	-	-	226,750	184,140	\$410,890
377	PFAS Study	\$654,305	400,000	-	-	-	-	-	-	-	-	\$400,000
378	Cloud Seeding	\$414,201	170,000	-	-	-	-	-	-	-	219,356	\$389,356
381	SA River Fish Conservation	\$73,551	20,000	19,000	-	-	-	-	-	-	-	\$39,000
384	MSAR TMDL Task Force	\$531,442	-	427,700	-	-	-	-	-	-	-	\$427,700
386	RWQ Monitoring TF	\$434,782	-	312,000	-	-	-	-	-	118,000	-	\$430,000
387	Arundo Management & Habitat Restoration	\$275,109	-	-	-	-	-	-	-	-	-	\$0
392	Emerging Consituents Task Force	\$191,814	-	185,367	-	-	-	-	-	-	-	\$185,367
397	WECAN - Riverside	\$0	-	-	-	-	-	-	-	-	-	\$0
398	Drought Relief Grant - DACI	\$0	-	-	-	-	-	-	-	-	-	\$0
477	LESJWA Administration	\$233,516	10,000	-	-	-	-	-	223,516	-	-	\$233,516
504	Prop 84 SARCCUP	\$226,750	-	-	-	-	-	-	-		-	\$0
505	Prop 1 SAWPA Capital Project	\$114,615	-	-	-	-	-	-	-	-	114,615	\$114,615
		\$26,861,626	\$2,421,233	\$1,257,649	\$13,604,122	\$1,500,000	\$4,875,441	\$0	\$223,516	\$344,750	\$1,321,142	\$25,547,854

PASS-THROUGH						PASS-THROUGH			
504 Prop 84 Capital Projects	\$0	-	-	-	-	-	-	\$0	\$0
505 Prop 1 Capital Projects Round 1 & 2	\$7,300,000	-	-	-	-	-	-	\$7,300,000	\$7,300,000
Total	\$34,161,626								\$32,847,854



**MEMBER CONTRIBUTION** 

Summary Schedule

#### Adopted Proposed Proposed FYE 2025 FYE 2026 FYE 2027 **Member Agency Contributions Exempt from Indirect Costs** Funds SAWPA General Funds 100-00 \$ 475,000 \$ 500,000 \$ 550,000 State Legislative/Regulatory Outreach \$ 215,250 \$ 233,400 \$ 251,233 100-03 Federal Legislative/Regulatory Outreach 100-04 \$ 22,660 \$ - \$ 733,400 \$ \$ 712,910 \$ 801,233 **Planning Projects General Planning** \$ 400,000 \$ 500,000 \$ 500,000 370-01 **USBR** Partnership Studies 20,000 \$ 20,000 \$ 20,000 370-02 \$ Watershed Management (OWOW) \$ 400,000 \$ 500,000 \$ 500,000 373 SA River Fish Conservation 381 \$ 10,000 \$ 20,000 \$ 20,000 LESJWA Management 477 \$ 10,000 \$ 10,000 \$ 10,000 \$ 840,000 \$ 1,050,000 \$ 1,050,000 Total Member Agency Contributions before Special Projects 1,552,910 \$ 1,783,400 \$ \$ 1,851,233 Per Member Agency before Special Projects \$ 310,582 \$ 356,680 \$ 370,247 **Special Projects ICARP** 376 \$ \$ 40,000 \$ 450,000 \$ **PFAS Study** 377 \$ 400,000 550,000 \$ **Cloud Seeding Pilot Project** 378 \$ <u>15</u>8,500 \$ -\$ 170,000 \$ 708,500 \$ 490,000 \$ 570,000 2,273,400 \$ Total Member Agency Contributions with Special Projects \$ 2,261,410 \$ 2,421,233 452.282 454.680 Per Member Agency with Special Projects \$ \$ \$ 484.247

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### MEMBER CONTRIBUTION by Agency FYE 2026

ACTIVITY	TOTAL	IEUA	EMWD	OCWD	SBVMWD	WMWD
370 General Planning	500,000	100,000	100,000	100,000	100,000	100,000
370 USBR Partnership Studies	20,000	4,000	4,000	4,000	4,000	4,000
373 Watershed Management (OWOW)	500,000	100,000	100,000	100,000	100,000	100,000
381 SA River Fish Conservation	20,000	4,000	4,000	4,000	4,000	4,000
477 LESJWA Management	10,000	2,000	2,000	2,000	2,000	2,000
Subtotal (Planning)	1,050,000	210,000	210,000	210,000	210,000	210,000
State/Federal Leg/Reg Outreach	233,400	46,680	46,680	46,680	46,680	46,680
Commission/General Fund Costs	500,000	100,000	100,000	100,000	100,000	100,000
Subtotal (Administration)	733,400	146,680	146,680	146,680	146,680	146,680
376 ICARP	40,000	8,000	8,000	8,000	8,000	8,000
377 PFAS Study	450,000	90,000	90,000	90,000	90,000	90,000
378 Cloud Seeding Pilot Project	0	0	0	0	0	0
Subtotal (Special Projects)	490,000	90,000	90,000	90,000	90,000	90,000
Member Agency Contributions to SAWPA	<u>2,273,400</u>	<u>454,680</u>	<u>454,680</u>	<u>454,680</u>	<u>454,680</u>	<u>454,680</u>



### MEMBER CONTRIBUTION by Agency FYE 2027

ACTIVITY	TOTAL	IEUA	EMWD	OCWD	SBVMWD	WMWD
370 General Planning	500,000	100,000	100,000	100,000	100,000	100,000
370 USBR Partnership Studies	20,000	4,000	4,000	4,000	4,000	4,000
373 Watershed Management (OWOW)	500,000	100,000	100,000	100,000	100,000	100,000
381 SA River Fish Conservation	20,000	4,000	4,000	4,000	4,000	4,000
477 LESJWA Management	10,000	2,000	2,000	2,000	2,000	2,000
Subtotal (Planning)	1,050,000	210,000	210,000	210,000	210,000	210,000
State/Federal Leg/Reg Outreach	251,233	50,247	50,247	50,247	50,247	50,247
Commission/General Fund Costs	550,000	110,000	110,000	110,000	110,000	110,000
Subtotal (Administration)	801,233	160,247	160,247	160,247	160,247	160,247
377 PFAS Study	400,000	80,000	110,000	110,000	110,000	110,000
378 Cloud Seeding Pilot Project	170,000	34,000	31,700	31,700	31,700	31,700
Subtotal (Special Projects)	570,000	114,000	141,700	141,700	141,700	141,700
Member Agency Contributions to SAWPA	<u>2,421,233</u>	484,247	<u>484,247</u>	<u>484,247</u>	<u>484,247</u>	<u>484,247</u>



SAWPA			dopted <u>(E 2002</u>		<i>dopted</i> YE 2003		<i>dopted</i> YE 2004		dopted		<i>dopted</i> YE 2006		<i>dopted</i> YE 2007		<i>dopted</i> YE 2008		dopted <u>YE 2009</u>		<i>dopted</i> YE 2010		<i>dopted</i> /E 2011		dopted ′ <u>E 2012</u>
Member Agency Contributions		<u>I</u>	<u>IL 2002</u>	<u>I</u>	<u>1 L 2003</u>	<u> </u>	<u>1L 2004</u>	<u>I</u>	<u>1L 2003</u>	<u> </u>	<u>12 2000</u>	<u> </u>	<u>1L 2007</u>	<u> </u>	<u>1L 2000</u>	<u> </u>	<u>IL 2009</u>	<u> </u>	<u>12 2010</u>	<u> </u>	<u>IL 2011</u>	<u> </u>	<u>L 2012</u>
Exempt from Indirect Costs	<u>Funds</u>																						
SAWPA General Funds	100-00	\$	717,913	\$	884,450	\$	484,419	\$	283,873	\$	443,678	\$	609,754	\$	610,000	\$	665,000	\$	600,000	\$	682,000	\$	600,000
State Legislative/Regulatory Outreach	100-03	\$	51,857	\$	-	\$	321,031	\$	267,188	\$	207,682	\$	160,145	\$	191,391	\$	202,964	\$	227,558	\$	170,880	\$	213,738
Federal Legislative/Regulatory Outreach	100-04	\$	-	\$	-	\$	-	\$	96,289	\$	63,490	\$	42,161	\$	31,418	\$	33,213	\$	33,213	\$	36,844	\$	34,006
		\$	769,770	\$	884,450	\$	805,450	\$	647,350	\$	714,850	\$	812,060	\$	832,808	\$	901,177	\$	860,771	\$	889,724	\$	847,744
Planning Projects																							
General Planning	370-01	\$	176,000	\$	135,000	\$	270,000	\$	338,600	\$	330,000	\$	340,000	\$	270,000	\$	175,000	\$	253,000	\$	256,000	\$	289,778
USBR Partnership Studies	370-02	\$	-	\$	-	\$	-	\$	-	\$	21,000	\$	21,000	\$	21,000	\$	-	\$	10,111	\$	19,281	\$	73,636
ACOE Feasibility Study	370-16	\$	71,014	\$	46,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Imported Water Recharge	372	\$	-	\$	-	\$	-	\$	-	\$	-	\$	107,400	\$	98,000	\$	97,000	\$	-	\$	-	\$	-
Watershed Management (OWOW)	373	\$	48,664	\$	-	\$	-	\$	83,000	\$	-	\$	-	\$	554,000	\$	347,900	\$	200,000	\$	252,000	\$	309,856
Basin Monitoring Program	374	\$	-	\$	-	\$	-	\$	-	\$	9,600	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
SA River Fish Conservation	381	\$	25,000	\$	25,000	\$	-	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000
SA River Watershed Group	382	\$	25,000	\$	25,000	\$	20,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
SA Trail Parkway	383	\$	25,000	\$	25,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Stormwater Quality Standards TF	386	\$	-	\$	-	\$	45,000	\$	51,500	\$	60,000	\$	54,000	\$	65,000	\$	55,000	\$	60,000	\$	50,000	\$	50,000
LESJWA Management	477	\$	10,000	\$	10,000	\$	10,000	\$	20,000	\$	5,000	\$	5,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000
		\$	380,678	\$	266,000	\$	345,000	\$	503,100	\$	435,600	\$	537,400	\$	1,028,000	\$	694,900	\$	543,111	\$	597,281	\$	743,270
Total Member Agency Contributions before Special Projects		\$	1,150,448	\$	1,150,450	\$	1,150,450	\$	1,150,450	\$	1,150,450	\$	1,349,460	\$	1,860,808	\$	1,596,077	\$	1,403,882	\$	1,487,005	\$	1,591,014
Per Member Agency before Special Projects		\$	230,090	\$	230,090	\$	230,090	\$	230,090	\$	230,090	\$	269,892	\$	372,162	\$	319,215	\$	280,776	\$	297,401	\$	318,203
Special Projects																							
ICARP	376	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
PFAS Study	377	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Cloud Seeding Pilot Project	378	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Member Agency Contributions with Special Projects		\$	1,150,448	\$	1,150,450	\$	1,150,450	\$	1,150,450	\$	1,150,450	\$	1,349,460	\$	1,860,808	\$	1,596,077	\$	1,403,882	\$	1,487,005	\$	1,591,014
Per Member Agency with Special Projects		\$	230,090	\$	230,090	\$	230,090	\$	230,090	\$	230,090	\$	269,892	\$	372,162	\$	319,215	\$	280,776	\$	297,401	\$	318,203
Contribution with 2% increase per year				\$	234,691.39	\$	239,385.22	\$	244,172.92	\$	249,056.38	\$	254,037.51	\$	259,118.26	\$	264,300.63	\$	269,586.64	\$	274,978.37	\$	280,477.94



Sawpa Summary Schedule		dopted ′ <u>E 2013</u>	dopted <u>′E 2014</u>	Adopted		Adopted TYE 2016	<i>dopted</i> YE 2017	<i>dopted</i> YE 2018	<i>dopted</i> (E 2019	dopted (E 2020	<i>dopted</i> YE 2021		dopted ′ <u>E 2022</u>		dopted ′ <u>E 2023</u>
Member Agency Contributions															
Exempt from Indirect Costs	<u>Funds</u>														
SAWPA General Funds	100-00	\$ 690,000	\$ 660,000	\$ 680,00	00 \$	385,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$	475,000	\$	475,000
State Legislative/Regulatory Outreach	100-03	\$ 219,908	\$ 236,470	\$ 235,76	8 \$	212,203	\$ 223,005	\$ 181,154	\$ 184,980	\$ 226,966	\$ 230,339	\$	216,974	\$	224,232
Federal Legislative/Regulatory Outreach	100-04	\$ 38,262	\$ 27,362	\$ 27,18	32 \$	20,592	\$ 26,302	\$ 14,962	\$ 15,715	\$ -	\$ -	\$	24,873	\$	26,205
		\$ 948,170	\$ 923,832	\$ 942,95	50 \$	617,795	\$ 699,307	\$ 646,116	\$ 650,695	\$ 676,966	\$ 680,339	\$	716,847	\$	725,437
Planning Projects															
General Planning	370-01	\$ 320,080	\$ 333,000	\$ 357,50	00 \$	340,000	\$ 350,000	\$ 356,000	\$ 356,000	\$ 360,000	\$ 360,000	\$	400,000	\$	400,000
USBR Partnership Studies	370-02	\$ 52,779	\$ 20,000	\$ 20,00	00 \$	20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$	20,000	\$	20,000
ACOE Feasibility Study	370-16	\$ -	\$ - :	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-
Imported Water Recharge	372	\$ -	\$ - :	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-
Watershed Management (OWOW)	373	\$ 307,510	\$ 305,000	\$ 305,00	00 \$	300,000	\$ 300,000	\$ 400,000	\$ 425,000	\$ 450,000	\$ 450,000	\$	400,000	\$	400,000
Basin Monitoring Program	374	\$ -	\$ - 3	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-
SA River Fish Conservation	381	\$ 10,000	\$ 10,000	\$ 10,00	00 \$	10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$	10,000	\$	10,000
SA River Watershed Group	382	\$ -	\$ - 9	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-
SA Trail Parkway	383	\$ -	\$ - 3	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-
Stormwater Quality Standards TF	386	\$ 50,000	\$ 50,000	\$ 50,00	00 \$	50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-
LESJWA Management	477	\$ 10,000	\$ 10,000	\$ 10,00	00 \$	10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$	10,000	\$	10,000
		\$ 750,369	\$ 728,000	\$ 752,50	00 \$	730,000	\$ 740,000	\$ 796,000	\$ 821,000	\$ 850,000	\$ 850,000	\$	840,000	\$	840,000
Total Member Agency Contributions before Special Projects		\$ 1,698,539	\$ 1,651,832	\$ 1,695,45	50 \$	1,347,795	\$ 1,439,306	\$ 1,442,116	\$ 1,471,695	\$ 1,526,966	\$ 1,530,339	\$1	1,556,847	<b>\$</b> 1	1,565,437
Per Member Agency before Special Projects		\$ 339,708	\$ 330,367	\$ 339,09	90 \$	269,559	\$ 287,861	\$ 288,423	\$ 294,339	\$ 305,393	\$ 306,068	\$	311,369	\$	313,087
Special Projects															
ICARP	376	\$ -	\$ - :	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-
PFAS Study	377	\$ -	\$ - :	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	363,825
Cloud Seeding Pilot Project	378	\$ -	\$ - :	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	140,500
		\$ -	\$ - :	\$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$	504,325
Total Member Agency Contributions with Special Projects		\$ 1,698,539	\$ 1,651,832	\$ 1,695,45	50 \$	1,347,795	\$ 1,439,306	\$ 1,442,116	\$ 1,471,695	\$ 1,526,966	\$ 1,530,339	\$1	1,556,847	\$ 2	2,069,762
Per Member Agency with Special Projects		\$ 339,708	\$ 330,367	\$ 339,09	90 \$	269,559	\$ 287,861	\$ 288,423	\$ 294,339	\$ 305,393	\$ 306,068	\$	311,369	\$	413,952
Contribution with 2% increase per year		\$ 286,087.50	\$ 291,809.25	297,645.	43 \$	303,598.34	\$ 309,670.31	\$ 315,863.71	\$ 322,180.99	\$ 328,624.61	\$ 335,197.10	\$	341,901.04	\$	348,739.06



### MEMBER CONTRIBUTION Summary Schedule

SAWPA			Adopted YE 2024		Adopted TYE 2025		roposed YE 2026		roposed YE 2027
Member Agency Contributions									
Exempt from Indirect Costs	<u>Funds</u>								
SAWPA General Funds	100-00	\$	475,000	\$	475,000	\$	500,000	\$	550,000
State Legislative/Regulatory Outreach	100-03	\$	199,550	\$	215,250	\$	233,400	\$	251,233
Federal Legislative/Regulatory Outreach	100-04	\$	21,725	\$	22,660	\$	-	\$	
		\$	696,275	\$	712,910	\$	733,400	\$	801,233
Planning Projects		•		•		•		•	
General Planning	370-01	\$	400,000	\$	400,000	\$	500,000	\$	500,000
USBR Partnership Studies	370-02	\$	20,000	\$	20,000	\$	20,000	\$	20,000
ACOE Feasibility Study	370-16	\$	-	\$	-	\$	-	\$	-
Imported Water Recharge	372	\$	-	\$	-	\$	-	\$	-
Watershed Management (OWOW)	373	\$	400,000	\$	400,000	\$	500,000	\$	500,000
Basin Monitoring Program	374	\$	-	\$	-	\$	-	\$	-
SA River Fish Conservation	381	\$	10,000	\$	10,000	\$	20,000	\$	20,000
SA River Watershed Group	382	\$	-	\$	-	\$	-	\$	-
SA Trail Parkway	383	\$	-	\$	-	\$	-	\$	-
Stormwater Quality Standards TF	386	\$	-	\$	-	\$	-	\$	-
LESJWA Management	477	\$	10,000	\$	10,000	\$	10,000	\$	10,000
		\$	840,000	\$	840,000	\$	1,050,000	\$	1,050,000
Total Member Agency Contributions before Special Projects		\$	1,536,275	\$	1,552,910	\$	1,783,400	\$	1,851,233
Per Member Agency before Special Projects		\$	307,255	\$	310,582	\$	356,680	\$	370,247
Special Projects									
ICARP	376	\$	-	\$	-	\$	40,000	\$	-
PFAS Study	377	\$	550,000	\$	550,000	\$	450,000	\$	400,000
Cloud Seeding Pilot Project	378	\$	222,000	\$	158,500	\$	-	\$	170,000
		\$	772,000	\$	708,500	\$	490,000	\$	570,000
Total Member Agency Contributions with Special Projects		\$	2,308,275	\$	2,261,410	\$	2,273,400	\$	2,421,233
Per Member Agency with Special Projects		\$	461,655	\$	452,282	\$	454,680	\$	484,247
Contribution with 2% increase per year		\$	355,713.84	\$	362,828.12	\$	370,084.68	\$	377,486.38



#### SUMMARY OF

#### LABOR MULTIPLIERS

	FYE 20	26	FYE	2027
Total Employee Benefits Total Payroll	1,944,444 4,829,649	Benefits Rate 0.403	2,127,902 5,244,232	Benefits Rate 0.406
Gross Indirect Costs Less: Member Contributions Indirect Costs for Distribution Direct Labor Charged Indirect Costs	4,679,824 (500,000) 4,179,824 2,458,914 4,179,824	Indirect Costs	5,085,131 (550,000) 4,535,131 2,580,572 4,535,131	Indirect Costs
Budgeted Labor Multiplier		2.103		2.163
	Actua	al Budgeted		
FY 2024-25 Labor Multiplier	2.02	<u>8 2.028</u>		
FY 2023-24 Labor Multiplier	<u>1.99</u>	<u>3 2.009</u>		
FY 2022-23 Labor Multiplier	2.02	<u>8 2.028</u>		
FY 2021-22 Labor Multiplier	<u>1.99</u>	<u>3 2.009</u>		25

### FYE 2026 GENERAL FUND COSTS (Indirect)

(to be Distributed)

<u>G/L Acct.</u>	<b>Description</b>	<u>Budget</u>
51000	Salaries - Regular	\$ 2,299,154
52000	Benefits	\$ 925,652
60111	Tuition Reimbursement	\$ 10,500
60112	Training	\$ 18,200
60113	Education	\$ 19,000
60114	Other Training & Education	\$ 20,500
60120	Audit Fees	\$ 22,040
60121	Consulting	\$ 178,500
60126	Temporary Services	\$ 5,000
60128	Other Professional Services	\$ 30,000
60129	Other Contract Services	\$ -
60130	Legal Fees	\$ 75,000
60133	Employment Recruitment	\$ 30,000
60153	Materials & Supplies	\$ 7,000
60154	Safety	\$ 7,600
60155	Security	\$ 9,000
60156	Custodial Contract Services	\$ 36,000
60157	Landscaping Maintenance	\$ 30,500
60158	HVAC	\$ 12,000
60159	Facility Repair & Maintenance	\$ 27,600
60160	Telephone	\$ 25,333
60161	Cellular Services	\$ 16,000
60163	Electricity	\$ 25,000
60164	Water Services	\$ 10,000
60170	Equipment Expensed	\$ 9,000
60171	Equipment Rented	\$ 18,350

(Continued - next column)

G/L Acct.	<u>Description</u>		<u>Budget</u>
60172	Equipment Repair / Maintenance	\$	-
60180	Computer Hardware	\$	22,200
60181	Software / Updates / Licensing	\$	154,500
60182	Internet Services	\$	25,000
60183	Computer Supplies	\$	5,600
60184	Computer Repair / Maintenance	\$	2,900
60185	Cloud Storage	\$	38,000
60190	Offsite Meeting / Travel Expense	\$	5,000
60191	In House Meetings	\$	2,000
60192	Conference Expense	\$	39,500
60200	Dues	\$	61,000
60202	Subscriptions	\$	9,500
60203	Contributions	\$	32,500
60211	Shipping / Postage	\$	5,000
60212	Office Supplies	\$	12,000
60213	Offsite Storage	\$	-
60220	Commission Fees	\$	66,000
60221	Commission Mileage Reimb.	\$	6,339
60222	Other Commission Expense	\$	3,500
60230	Other Expense	\$	5,000
60240	Building Lease	\$	8,790
81010	Post Retirement Medical Benefits	\$	98,066
80001	Insurance Expense	\$	85,500
80000	Building Repair/Replacement Reserve	\$	100,000
13005	Fixed Assets	\$	-
60300	Reserves/Contingency	\$	25,000
	Total General Fund Costs	\$	4,679,824
	Less Reserves Used		-
			2 <b>4</b> , <b>9</b> 79,824

### FYE 2027 GENERAL FUND COSTS (Indirect)

(to be Distributed)

Projected

G/L Acct.         Description         Budget           51000         Salaries - Regular         \$ 2,579,554           52000         Benefits         \$ 1,046,681           60111         Tuition Reimbursement         \$ 10,500           60112         Training         \$ 18,500           60113         Education         \$ 19,000           60114         Other Training & Education         \$ 21,200           60120         Audit Fees         \$ 22,470           60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600
52000         Benefits         \$ 1,046,681           60111         Tuition Reimbursement         \$ 10,500           60112         Training         \$ 18,500           60113         Education         \$ 19,000           60114         Other Training & Education         \$ 21,200           60120         Audit Fees         \$ 22,470           60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60130         Legal Fees         \$ 75,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60111         Tuition Reimbursement         \$ 10,500           60112         Training         \$ 18,500           60113         Education         \$ 19,000           60114         Other Training & Education         \$ 21,200           60120         Audit Fees         \$ 22,470           60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 3,100           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60112         Training         \$ 18,500           60113         Education         \$ 19,000           60114         Other Training & Education         \$ 21,200           60120         Audit Fees         \$ 22,470           60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60113         Education         \$ 19,000           60114         Other Training & Education         \$ 21,200           60120         Audit Fees         \$ 22,470           60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 3,100           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60114         Other Training & Education         \$ 21,200           60120         Audit Fees         \$ 22,470           60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 3,100           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60120         Audit Fees         \$ 22,470           60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60133         Employment Recruitment         \$ 30,000           60153         Materials & Supplies         \$ 7,000           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60121         Consulting         \$ 156,500           60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60133         Employment Recruitment         \$ 30,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60126         Temporary Services         \$ 5,000           60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60133         Employment Recruitment         \$ 30,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60128         Other Professional Services         \$ 30,000           60129         Other Contract Services         \$ -           60130         Legal Fees         \$ 75,000           60133         Employment Recruitment         \$ 30,000           60153         Materials & Supplies         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60129         Other Contract Services         \$         -           60130         Legal Fees         \$         75,000           60133         Employment Recruitment         \$         30,000           60153         Materials & Supplies         \$         7,000           60154         Safety         \$         7,600           60155         Security         \$         3,100           60156         Custodial Contract Services         \$         36,000           60157         Landscaping Maintenance         \$         30,500           60158         HVAC         \$         12,000           60159         Facility Repair & Maintenance         \$         27,600           60160         Telephone         \$         25,333
60130         Legal Fees         \$ 75,000           60133         Employment Recruitment         \$ 30,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60133         Employment Recruitment         \$ 30,000           60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60153         Materials & Supplies         \$ 7,000           60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60154         Safety         \$ 7,600           60155         Security         \$ 3,100           60156         Custodial Contract Services         \$ 36,000           60157         Landscaping Maintenance         \$ 30,500           60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
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60158         HVAC         \$ 12,000           60159         Facility Repair & Maintenance         \$ 27,600           60160         Telephone         \$ 25,333
60159Facility Repair & Maintenance\$ 27,60060160Telephone\$ 25,333
60160 Telephone \$ 25,333
60161Cellular Service\$ 16,000
60163 Electricity \$ 25,000
60164 Water Services \$ 10,000
60170 Equipment Expensed \$ 9,000
60171 Equipment Rented \$ 18,350

(Continued - next column)

<u>G/L Acct.</u>	Description		Projected <u>Budget</u>
60172	Equipment Repair / Maintenance	\$	-
60180	Computer Hardware	\$	33,400
60181	Software / Updates / Licensing	\$	153,500
60182	Internet Services	\$	25,000
60183	Computer Supplies	\$	5,600
60184	Computer Repair / Maintenance	\$	2,900
60185	Cloud Storage	\$	38,000
60190	Offsite Meeting / Travel Expense	\$	5,000
60191	In House Meetings	\$	2,000
60192	Conference Expense	\$	39,500
60200	Dues	\$	61,500
60202	Subscriptions	\$	9,600
60203	Contributions	\$	33,000
60211	Shipping / Postage	\$	5,000
60212	Office Supplies	\$	12,000
60213	Offsite Storage	\$	-
60220	Commission Fees	\$	68,400
60221	Commission Mileage Reimb.	\$	6,385
60222	Other Commission Expense	\$	3,500
60230	Other Expense	\$	5,000
60240	Building Lease	\$	9,230
81010	Post Retirement Medical Benefits	\$	114,228
80001	Insurance Expense	\$	85,500
80000	Building Repair/Replacement Reserve	\$	100,000
13005	Fixed Assets	\$	-
60300	Reserves/Contingency	\$	25,000
	Total General Fund Costs	\$	5,085,131
	Less Reserves Used	_	-
	Net General Fund Costs	\$	5,085,131 256

### **BENEFITS SUMMARY**

(Distributed based on Actual Labor)

<u>G/L Acct.</u>	Description	Approved FYE 2025	Proposed FYE 2026	Proposed FYE 2027
70101	FICA	\$211,101	268,773	271,461
70102	Medicare	\$59,818	70,719	76,757
70103	State Unemployment Insurance	\$3,906	4,158	4,384
70104	Worker's Compensation Insurance	\$72,456	52,589	60,095
70105	State Disability Insurance	\$39,569	56,975	62,128
70106	PERS Pension Plan - Employer	\$487,199	720,582	832,990
70111	Medical Insurance	\$511,245	630,438	674,246
70112	Dental Insurance	\$28,657	43,085	45,902
70113	Vision Insurance	\$7,751	7,785	8,208
70114	Life Insurance	\$15,940	17,228	17,476
70115	Long Term Disability Insurance	\$18,593	20,512	21,005
70116	Wellness Program	\$3,900	4,200	4,050
70120	Car Allowance	\$39,000	47,400	49,200
	Total Benefits	\$1,499,135	\$1,944,444	\$ 2,127,902
	Total Payroll	\$4,086,368	\$4,829,649	\$ 5,244,232
	Benefits Rate	36.7%	40.3%	40.6%

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### **SAWPA Communications Report**

Date:	March 20, 2025
То:	Commission
From:	Emily Fuentes

Subject: Communications Highlights – February 1-28, 2025

#### Communications

- Staff worked in collaboration with the Planning Department to recommend that Commission select Woodard & Curran to assist SAWPA with the development of the CARP. On February 18, the SAWPA Commission approved the Selection Committee's recommendation.
- Staff worked with JPW consultants on monthly content for the Emerging Constituents Tasks Force group and two video scripts.
- Staff provided an update for the 2025 OC Cities and Water Agencies Directory
- Staff coordinated meetings and tasking assignments to host the Women in Water conference on April 23.
- Staff created content for a highlight in the California Water IE edition.
- Staff attended Santa Ana River Enhanced Recharge Phase 1-B Ribbon Cutting and Dedication Ceremony
- Staff met with Streamline, a partner of CSDA, to learn more about digital ADA services.
- Updates were posted to the Authority's social media channels. Follow SAWPA on social media:
  - o X: <u>https://twitter.com/SAWPA Water</u>
  - o Instagram: <u>https://www.instagram.com/sawpa\_water/</u>
  - LinkedIn: <u>http://www.linkedin.com/company/santa-ana-watershed-project-authority</u>
  - YouTube: <u>https://www.youtube.com/@SAWPATUBE</u>

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