



S A W P A

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

REGULAR COMMISSION MEETING TUESDAY, NOVEMBER 1, 2016 – 9:30 A.M.

AGENDA

1. **CALL TO ORDER/PLEDGE OF ALLEGIANCE** (Ed Killgore, Vice Chair)

2. **ROLL CALL**

3. **PUBLIC COMMENTS**

Members of the public may address the Commission on items within the jurisdiction of the Commission; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

4. **CONSENT CALENDAR**

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

A. **APPROVAL OF MEETING MINUTES: OCTOBER 18, 2016** 5
Recommendation: Approve as posted.

B. **REACH V REHABILITATION AND IMPROVEMENT PROJECT – PHASE I (CM#2016.94)** 11
Recommendation: Find that the unfinished condition of the Reach V Rehabilitation and Improvement Project (the Project) after the termination for cause of the Project contractor continues to be an emergency that requires immediate action per the Commission’s prior action on August 2, 2016.

5. **WORKSHOP DISCUSSION AGENDA**

A. **SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT**
Presenter: Steve Weisberg
Recommendation: Receive and file.

6. **NEW BUSINESS**

A. **PROPOSITION 1 IRWM DISADVANTAGED COMMUNITY INVOLVEMENT PROGRAM GRANT (CM#2016.95)** 13
Presenter: Mike Antos
Recommendation: Ratify the OWOW Steering Committee’s approval of the submittal of a proposal to Department of Water Resources to initiate the Disadvantaged Community Involvement Program in the Santa Ana River Watershed subject to incorporation of minor comments.

7. INFORMATIONAL REPORTS

Recommendation: Receive and file the following oral/written reports/updates.

A. CHAIR'S COMMENTS/REPORT

B. COMMISSIONERS' COMMENTS

C. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

8. CLOSED SESSION

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

Name of Case: Spiniello Companies v. Charles King Company, Inc., Santa Ana Watershed Project Authority, The Ohio Casualty Insurance Company (Superior Court of Los Angeles BC616589)

9. ADJOURNMENT

PLEASE NOTE:

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

Materials related to an item on this agenda submitted to the Commission after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.org, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting

I, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Wednesday, October 26, 2016, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted in SAWPA's office at 11615 Sterling Avenue, Riverside, California.

/s/

Kelly Berry, CMC

2016 - SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

(NOTE: Unless otherwise noted, all Commission Workshops/Meetings begin at **9:30 a.m.**, and are held at SAWPA.)

July 7/5/16 Commission Workshop 7/19/16 Regular Commission Meeting	August 8/2/16 Commission Workshop 8/16/16 Regular Commission Meeting
September 9/6/16 Commission Workshop 9/20/16 Regular Commission Meeting	October 10/4/16 Commission Workshop 10/18/16 Regular Commission Meeting
November 11/1/16 Commission Workshop 11/29 – 12/2/16 ACWA Fall Conference, Anaheim 11/15/16 Regular Commission Meeting	December 12/6/16 Commission Workshop 12/20/16 Regular Commission Meeting

2017 SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

(NOTE: Unless otherwise noticed, all Commission Workshops/Meetings begin at **9:30 a.m.** and are held at SAWPA.)

January 1/3/17 Commission Workshop 1/17/17 Regular Commission Meeting	February 2/7/17 Commission Workshop 2/21/17 Regular Commission Meeting
March 3/7/17 Commission Workshop 3/21/17 Regular Commission Meeting	April 4/4/17 Commission Workshop 4/18/17 Regular Commission Meeting
May 5/2/17 Commission Workshop 5/9 – 5/12/17 ACWA Spring Conference, Monterey 5/16/17 Regular Commission Meeting	June 6/6/17 Commission Workshop 6/20/17 Regular Commission Meeting
July 7/4/17 No Meeting (Independence Day) 7/18/17 Regular Commission Meeting	August 8/1/17 Commission Workshop 8/15/17 Regular Commission Meeting
September 9/5/17 Commission Workshop 9/19/17 Regular Commission Meeting	October 10/3/17 Commission Workshop 10/17/17 Regular Commission Meeting
November 11/7/17 Commission Workshop 11/21/17 Regular Commission Meeting 11/28 – 12/1/17 ACWA Fall Conference, Anaheim	December 12/5/17 Commission Workshop 12/19/17 Regular Commission Meeting

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**SAWPA COMMISSION
REGULAR MEETING MINUTES
OCTOBER 18, 2016**

COMMISSIONERS PRESENT

Thomas P. Evans, Chair, Western Municipal Water District
Ed Killgore, Vice Chair, San Bernardino Valley Municipal Water District
Ronald W. Sullivan, Secretary-Treasurer, Eastern Municipal Water District
Phil Anthony, Orange County Water District
Terry Catlin, Inland Empire Utilities Agency

COMMISSIONERS ABSENT

None.

**ALTERNATE COMMISSIONERS
PRESENT; NON-VOTING**

Jasmin Hall, Alternate, Inland Empire Utilities Agency
Steve Copelan, Alternate, San Bernardino Valley Municipal Water District

STAFF PRESENT

Celeste Cantú, Rich Haller, Larry McKenney, Mark Norton, Karen Williams, Dean Unger, Carlos Quintero, Nicole Weideman, Kelly Berry

The Regular Commission Meeting of the Santa Ana Watershed Project Authority was called to order at 9:33 a.m. by Chair Evans at the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE

2. ROLL CALL

Roll call was duly noted and recorded by the Clerk of the Board.

3. PUBLIC COMMENTS

There were no public comments.

4. SPECIAL COMMENDATION

**A. RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT –
CERTIFICATES OF APPRECIATION**

- Warren D. “Dusty” Williams, General Manager-Chief Engineer (retired)
- Jason E. Uhley, General Manager-Chief Engineer

Celeste Cantú presented Certificates of Appreciation to Warren D. “Dusty” Williams, General Manager-Chief Engineer (retired) and Jason E. Uhley, General Manager-Chief Engineer, Riverside County Flood Control and Water Conservation District (RCFCWCD) for their instrumental role in the success of the Inland Empire Brine Line Protection Project below Prado Dam.

5. CONSENT CALENDAR

A. APPROVAL OF MEETING MINUTES: OCTOBER 4, 2016

Recommendation: Approve as posted.

B. TREASURER’S REPORT – SEPTEMBER 2016

Recommendation: Approve as posted.

C. REACH V REHABILITATION AND IMPROVEMENT PROJECT – PHASE I (CM#2016.93)

Recommendation: Find that the unfinished condition of the Reach V Rehabilitation and Improvement Project (the Project) after the termination for cause of the Project contractor continues to be an emergency that requires immediate action per the Commission’s prior action on August 2, 2016.

MOVED, approve the Consent Calendar.

Result: **Adopted (Unanimously; 5-0)**
 Motion/Second: Anthony/Catlin
 Ayes: Anthony, Catlin, Evans, Killgore, Sullivan
 Nays: None
 Abstentions: None
 Absent: None

6. NEW BUSINESS

A. INLAND EMPIRE BRINE LINE REACH V REHABILITATION AND IMPROVEMENT PROJECT – PHASE 1 – TASK 1 AND 2 (CM#2016.92)

Rich Haller provided a PowerPoint presentation regarding the Inland Empire Brine Line Reach V Rehabilitation and Improvement Project, Phase 1, supporting Change Order No. 2 in the amount of \$57,790 with Dudek to continue providing engineering services during construction of the Project. Dudek remains the single engineer responsible for the design of this project. The scope of work for Change Order No. 2 includes continued engineering services during construction, including review of contractor RFI's and design clarifications, submittal review, progress meetings, review of design deviations, pipeline inspection video review and site visits. The original contract amount was \$214,650, and Change Order No. 1 was approved in August for \$64,420. With the approval of Change Order No. 2, the amended contract amount will be \$336,860.

Larry McKenney clarified this work is not related to the CIPP specifications.

MOVED, authorize the General Manager to approve Change Order 2 to Task Order DUDK326-02 with Dudek for additional Engineering Services during Construction of the Inland Empire Brine Line Reach 5 Rehabilitation and Improvement Project – Phase 1 Task 1 and 2 for an amount not to exceed \$57,790.

Result: **Adopted (Unanimously; 5-0)**
 Motion/Second: Catlin/Killgore
 Ayes: Anthony, Catlin, Evans, Killgore, Sullivan
 Nays: None
 Abstentions: None
 Absent: None

B. PROP 84 ROUND 1 AND ROUND 2 STATUS REPORT AND BUDGET UPDATE

Rich Haller and Nicole Weideman provided a PowerPoint presentation on Prop 84 Project Status.

OWOW Prop 84 IRWM Project Overview – All Rounds

Round	No. of Projects	Progress	Grant Amount	Total Cost
Round 1	12 Projects	7 Complete	\$12M	\$260M
Round 2	18 Projects	0 Complete	\$14.5M	\$150M
Drought Round	9 Participants	0 Complete	\$12M	\$23M
2015 Round	7 Participants	0 Complete	\$61M	\$237M

Projected Watershed-Wide Benefits (All Rounds) include:

- Reduction of water demand by 18,000 AFY (representing 36,000 households)
- Capture of 44,000 AFY of stormwater for beneficial use
- Recharge 180,000 AF of additional imported water

- Produce 18,000 AFY of desalted groundwater
- Remove 29,000 tons of salt from groundwater per year
- Create 11,000 AFY of additional recycled water
- Restore 3,800 acres of environmental habitat
- Reduce nonpoint source pollution by 29,000 pounds per year
- Reduce flood risk damage by \$91 million
- Creation of approximately 11,000 construction related jobs

There are a total of 13 Round 1 projects, with 7 already completed and 6 under construction. The following completed projects were highlighted:

Round 1 – Completed Projects:	
GWRS Flow Equalization (OCWD)	Description
Description: Installation of two 7.5M gallon storage tanks to increase throughput to GWRS.	Capture extra water when high flow periods occur which is used to equalize GWRS when flows are lower.
Percentage Complete: 100%	
Inland Empire Brine Line Rehabilitation and Enhancement Project (SAWPA)	Project Benefits
Description: Installation of slip liner on Reach 4B.	Increased hydraulic capacity.
Percentage Complete: 100%	
Arlington Desalter Interconnection Project (Corona)	Project Benefits
Description: Connected Arlington Desalter to the City of Corona.	Enables delivery of excess production to the City of Corona.
Percentage Complete: 100%	
Santa Ana Watershed Vireo Monitoring (SAWA)	Project Benefits
Description: Monitoring and capturing Brown-Headed Cowbird.	Increase reproductive success of endangered species serving as host birds due to increased population of Brown-Headed Cowbirds who parasitize nests in breeding/roosting areas.
Percentage Complete: 100%	
Perchlorate Wellhead Treatment System Pipelines (WVWD)	Project Benefits
Description: Pipeline installation between wells and treatment facility.	West Valley Water District will have a Grand Opening of the Groundwater Wellhead Treatment System on Saturday, October 29, 2016, from 10:00 a.m. – 12:00 p.m.
Percentage Complete: 100%	

The remaining six projects highlighted below are under construction:

Round 1 – Project Under Construction	
Perris II Desalination Facility (EMWD)	Project Benefits
Description: Supply brackish feed water to the Perris II Desalter	Use of local degraded brackish groundwater supplies as a viable, long-term step in generating new local potable water resources.
Percentage Complete: 98%	
Final Completion Report: August 22, 2016	
Alamitos Barrier Improvement Project (OCWD)	Project Benefits
Description: Install injection wells, monitoring wells and piezometers	Control seawater intrusion, augment injection capacity and protect nearby down gradient production wells for the City of Seal Beach & Golden State Water Company. Protect water quality of groundwater in Orange County Groundwater Basin.
Percentage Complete: 30%	
Estimated Completion: December 2017	
Chino Creek Wellfield Development Project (WMWD)	Project Benefits
Description: Development of 3 production wells as part of the Chino Desalter Phase 3 Expansion; adding approximately 2,900 AFY	Increase local supplies and facilitate responsible groundwater management, protect downstream users, and promote regional cooperation.
Percentage Complete: 95%	
Estimated Completion: December 2016	
Arlington Basin Water Quality Improvement Project (WMWD)	Project Benefits
Description: Construct one new artificial recharge basin within the Arlington Groundwater Basin	Improve water supply reliability for Western Riverside County to meet future demands, and reduce dependence on imported water supply.
Percentage Complete: 45%	
Estimated Completion: October 2017	
Cactus Basin (SBCFCD)	Project Benefits
Description: Construct Cactus Basin No. 3	Reduce local flooding, downstream flooding potential, and size and cost of downstream drainage facilities. Increase groundwater recharge and subsequently increase water supply.
Percentage Complete: 64%	
Estimated Completion: February 2017	
Sludge Dewatering, Odor Control & Primary Sludge Thickening (OCSD)	Project Benefits
Description: Improvements to OCSD's Plant No. 1	Local, reliable supply of purified recycled water that is used to prevent seawater intrusion at the Talbert Barrier, and recharge Orange County Groundwater Basin.
Percentage Complete: 92%	
Estimated Completion: October 2017	

Future Prop 84 presentations will occur over the next couple of months. Round 2 projects, eighteen total and all in various stages of design or construction, will be reviewed in detail next month. Drought Round projects will be reviewed in two months.

Commissioner Sullivan requested future Prop 84 presentations include SAWPA's administrative budget and how much was spent for each of the projects.

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

7. INFORMATIONAL REPORTS

Recommendation: Receive and file the following oral/written reports/updates.

A. CASH TRANSACTIONS REPORT – AUGUST 2016

B. INTER-FUND BORROWING – AUGUST 2016 (CM#2016.90)

C. PERFORMANCE INDICATORS/FINANCIAL REPORTING – AUGUST 2016 (CM#2016.91)

D. SAWPA ROUNDTABLE STATUS REPORT FOR THE FIRST QUARTER ENDING SEPTEMBER 30, 2016

Mark Norton provided an oral status reporting highlighting roundtable efforts for the first quarter ending September 30, 2016.

E. OWOW STATUS REPORT FOR THE FIRST QUARTER ENDING SEPTEMBER 30, 2016

Mark Norton referenced the report on page 81 of the agenda packet, noting a full presentation, including the Strategic Assessment and related PATs, would be provided at the November 15, 2016 meeting.

F. GENERAL MANAGER'S REPORT

Celeste Cantú provided copies of the second edition of *California's Water*, a PPIC briefing kit capturing the latest research to enable informed decision making at the legislative level. Chair Evans recommended that Commissioners review the materials and consider directing staff to provide copies to legislative representatives.

G. STATE LEGISLATIVE REPORT

H. SAWPA GENERAL MANAGERS MEETING NOTES

- October 11, 2016

I. CHAIR'S COMMENTS/REPORT

Chair Evans reminded everyone that the Riverside Land Conservancy will present its Local Government Environmental Excellence Award to SAWPA for the OWOW Plan at the RLC annual fundraising gala on Thursday, October 20, 2016.

J. COMMISSIONERS' COMMENTS

There were no Commissioners' comments.

K. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

There were no Commissioner requests for future agenda items.

8. CLOSED SESSION

Larry McKenney noted the Commission would discuss Agenda Item No. 8.A., with no action anticipated. At 10:23 a.m., Chair Evans recessed the meeting to Closed Session. Designated personnel essential to the discussion of Agenda Item No. 8.A. were present during Closed Session.

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

Name of Case: Spiniello Companies v. Charles King Company, Inc., Santa Ana Watershed Project Authority, The Ohio Casualty Insurance Company (Superior Court of Los Angeles BC616589)

Chair Evans resumed Open Session at 11:16 a.m. There was no reportable action taken by the Commission during Closed Session.

9. ADJOURNMENT

There being no further business for review, Chair Evans adjourned the meeting at 11:16 a.m.

Approved at a Regular Meeting of the Santa Ana Watershed Project Authority Commission on Tuesday, November 1, 2016.

Thomas P. Evans, Chair

Attest:

Kelly Berry, CMC
Clerk of the Board

COMMISSION MEMORANDUM NO. 2016.94

DATE: November 1, 2016

TO: SAWPA Commission

SUBJECT: Reach V Rehabilitation and Improvement Project – Phase I

PREPARED BY: David Ruhl, Program Manager

RECOMMENDATION

That the Commission find that the unfinished condition of the Reach V Rehabilitation and Improvement Project (the Project) after the termination for cause of the Project contractor continues to be an emergency that requires immediate action per the Commission's prior action on August 2, 2016.

DISCUSSION

After the Commission's action on August 2, SAWPA received a letter from Charles King Company's (CKC) performance bond surety that denied SAWPA's claim. The letter terminating CKC's work under the contract was sent to CKC that day, August 2, per the Commission's action.

Upon termination, SAWPA obtained control of the above ground by-pass system. A security firm was hired to monitor the by-pass system during non-working hours including nights and weekends. SAWPA hired a Contractor, Weka, Inc. to retrieve stored material at CKC's storage yard and deliver to SAWPA's temporary storage area. On August 5, 2016 SAWPA retrieved all materials at CKC's yard and delivered to a temporary storage location at Temescal Valley Water District. SAWPA's Construction Manager is working with the CKC to obtain "redline" drawings of as-built conditions from the original construction.

SAWPA contracted with Weka, Inc. to repair and place into service segments 1 through 16 including removal of about 3,400 feet of deficient liner and PVC pipe, repair deficiencies from CKC's original construction and replace with new C905 DR 18 pipe. The removal and replacement work has started. Staff is actively seeking a replacement CIPP installer to complete Reaches 2 and 3 of the project.

None of the facts on which the Commission's findings and action were based on August 2 have changed, such that the situation still constitutes an emergency requiring urgent action.

CRITICAL SUCCESS FACTORS

1. Minimize disruptions to customers.
2. Maintain sufficient funding and reserves for current and future Capital and O&M costs through stable, predictable, and affordable rates and charges.
3. Protect and preserve and the useful life of Brine Line assets through strategic maintenance, repair, and capital improvements.
4. Operate the Brine Line to: (1) protect the OCSO treatment plant and the environment from non-compliant dischargers, and (2) eliminate any uncontrolled pipeline releases.

RESOURCE IMPACTS

The Project is being funded by the Brine Line Reserve, and is supported by an SRF loan for part of the project cost. SAWPA intends to hold the contractor and the performance bond surety responsible for completing the project within the original bid price.

CM 2016.94 Reach V

SAWPA COMMISSION MEMORANDUM NO. 2016-95

DATE: November 1, 2016
TO: SAWPA Commission
SUBJECT: Proposition 1 IRWM Disadvantaged Community Involvement Program Grant
PREPARED BY: Mike Antos, Watershed Manager

RECOMMENDATION

That the Commission ratify the OWOW Steering Committee's approval of the submittal of a proposal to Department of Water Resources to initiate the Disadvantaged Community Involvement Program in the Santa Ana River Watershed subject to incorporation of minor comments.

DESCRIPTION

Within Proposition 1 was allocated \$510 million for the Integrated Regional Water Management Program. Of that, no less than 10% must be spent to ensure the involvement of members of disadvantaged communities in the IRWM process. For the Santa Ana River Watershed, \$6.3 million has been assigned as a non-competitive grant for the Disadvantaged Community Involvement Program. DWR guidelines for the expenditure of this grant describe required and permissible activities. Prior to grant award, the scope of work and timeline proposed by the OWOW program must be approved by DWR staff. The program must benefit members of disadvantaged communities, economically distressed areas, and underrepresented communities.

This program arose from an understanding at the Legislature that members of disadvantaged communities were not sufficiently taking part in integrated water management and integrated project development. As conducted in the Santa Ana River Watershed, this program will benefit public entities who take part in integrated water planning by supporting and strengthening engagement with members of disadvantaged communities.

DISCUSSION

In July 2016 Department of Water Resources (DWR) released grant guidelines for the first round of Integrated Regional Water Management (IRWM) grant funding offered by Proposition 1, The Water Quality, Supply, and Infrastructure Improvement Act of 2014. SAWPA, as an approved Regional Water Management Group, is an eligible grant applicant on behalf of the watershed.

The OWOW Disadvantaged Community Involvement Program has three program elements, within which are many tasks and activities. The elements are 1) Strengths & Needs Assessment (required by DWR), 2) Education & Engagement, and 3) Project Development. The included tasks and activities are all drawn from the grant guidelines or from earlier programs, referenced by the guidelines that have been completed elsewhere in the state.

To complete the proposal and conduct the program, SAWPA staff has invited a group of partners to participate in the program. They are the California State University Disadvantaged Community Center, the Local Government Commission, the Water Education Foundation, and the California Rural Water Association. These groups have specific expertise and capacity that will benefit the program, and assure that the goals are achieved.

During development of the proposal, SAWPA staff presented an overview of the grant program before the Steering Committee (March 24, 2016), at a Pillar Integration workshop (April 27, 2016), before the SAWPA Commission (April 19, 2016), and have conducted over twenty listening session meetings across the watershed with water agencies, elected leaders, academic institutions, community groups, and business leaders over the past six months.

At the October 20, 2016 meeting of the OWOW Steering Committee, the draft proposal was discussed and feedback was received on some suggested improvements. The OWOW Steering Committee approved submittal of the proposal to DWR by SAWPA subject to addressing the suggested comments. The attached proposal reflects a combination of required and allowable activities, built from previous OWOW reports and research, and fitting the known needs of the members of disadvantaged communities in the Santa Ana River Watershed. Based on timing with an additional non-profit requested by the OWOW Steering Committee, the attached proposal may be slightly revised to ensure that comments from the OWOW Governance, the SAWPA Commission and the OWOW Steering Committee, are addressed.

CRITICAL SUCCESS FACTORS ADDRESSED

The following OWOW critical success factors are addressed by this action:

- Continued support from SAWPA commission of OWOW Steering Committee's decision making authority as a means of ensuring trust, transparency, and external communications.
- Active participation of a diverse group of stakeholders representing counties, cities, and water districts, as well as the private sector and the regulatory, environmental, and environmental justice communities who integrate the different interests in the watershed beyond political boundaries. Ensuring all perspectives are heard and valued.
- A strong reputation and sufficient capacity within SAWPA staff for strategic facilitation, planning, communication, leadership and community engagement.
- Successful implementation of an integrated regional water resource plan that reflects the watershed management needs of the public and the environment.

RESOURCE IMPACTS

The grant application has been prepared, and a letter was received on 10/19/16 from Department of Water Resources allowing expenses related to its preparation prior to the grant award are eligible for reimbursement. Once received, the grant will wholly support the SAWPA staff engagement with its scope and the grant administration. No local match is required for this program.

Attachments:

1. Disadvantaged Community Involvement Program Proposal

A. Applicant

Santa Ana Watershed Project Authority (SAWPA)
11615 Sterling Ave. Riverside, CA 92503
www.sawpa.org
951-354-4220

Santa Ana Watershed Project Authority (SAWPA) serves the Santa Ana River Watershed as the approved Regional Water Management Group. Through the *ongoing* One Water One Watershed process (OWOW), SAWPA convenes a broad stakeholder collaboration that confers, creates and conducts the IRWM program for the Santa Ana Funding Region. Over the past six months SAWPA planning staff have presented the Disadvantaged Community Involvement Program to the OWOW steering Committee, the OWOW Pillars, the SAWPA Steering Committee, and has conducted over twenty in-person meetings with agencies, community groups, elected leaders, and academic institutions about the program. In the role of RWMG, SAWPA now submits this proposal on behalf of the watershed.

SAWPA, a joint powers authority whose members are: Eastern Municipal Water District, Inland Empire Utilities Agency, Orange County Water District, San Bernardino Valley Municipal Water District and Western Municipal Water District, works with planners, water experts, design and construction engineers, community members and groups, as well as other government agencies to identify water management issues and innovative solutions. With guidance from the OWOW steering committee, SAWPA leads the region towards integrated water management to assure all communities have sustainable water resources.

B. Disadvantaged Communities Background:

The United States Environmental Protection Agency Draft 2020 Action Agenda¹ holds the following Vision:

By 2020, we envision an EPA that integrates environmental justice into everything we do, cultivates strong partnerships to improve on-the-ground results, and charts a path forward for achieving better environmental outcomes and reducing disparities in the nation's most overburdened communities. Achieving this vision will help to make our vulnerable, environmentally burdened, and economically disadvantaged communities healthier, cleaner, and more sustainable places in which to live, work, play and learn.

The Santa Ana Watershed Project Authority, on behalf of the One Water One Watershed Steering Committee, the hundreds of active stakeholders, and the millions of watershed community members, asserts that the principles of this vision are soundly part of the One Water One Watershed 2.0 Plan. Pursuit of integrated water management that equitably and effectively benefits the members of all communities in the watershed is fundamental to the work of OWOW.

¹ https://www.epa.gov/sites/production/files/2016-05/documents/052216_ej_2020_strategic_plan_final_0.pdf

One Water One Watershed is the plan, the collaborative effort, and the philosophy in the Santa Ana Funding Region. Governed by a Steering Committee of eleven leaders (Table 1) from across the watershed, the planning effort has included hundreds of participants in plan development, conferences, workshops, project development, and implementation. The OWOW 2.0 Plan includes contributions of stakeholders who have taken part in brainstorming, goal-setting, and the actual writing of the plan, which has many authors. Each planning effort undertaken by OWOW has included a focus on economically disadvantaged and overburdened communities.

OWOW Steering Committee Member	Association
Shawn Nelson	Orange County Supervisors Representative
Marion Ashley	Riverside County Supervisors Representative
Curt Hagman	San Bernardino County Supervisors Representative
Beth Krom	Mayor of Irvine (Orange County)
Ron Loveridge	Emeritus Mayor of Riverside (Riverside County)
Jon Harrison	Mayor of Redlands (San Bernardino County)
Ron Sullivan	SAWPA Commission Representative
Thomas Evans	SAWPA Commission Representative
Jim Hessler	Member of the Business Community (Altman Plants)
Garry Brown	Member of the Environmental Community (OC Coast Keeper)
Linda Ackerman	Member from the Santa Ana Regional Water Quality Control Board

Table 1 - OWOW Steering Committee Roster

In the first One Water One Watershed Plan (2010), topical workgroups called “Pillars” were formed to craft sections of the report. A chapter on Environmental Justice highlighted the economic and water-related challenges of the rapidly growing communities of the watershed. In the OWOW 2.0 Plan, the Pillar was renamed “Disadvantaged Communities / Tribal Pillar”, and benefitted from US Department of Interior Bureau of Reclamation support. OWOW 2.0 pursued additional community engagement, and developed a best-practices tool to support engagement with members of disadvantaged communities, and with sovereign Tribal governments. Throughout the multiple funding rounds to-date, eleven projects have been funded via OWOW that directly benefit members of disadvantaged communities in the watershed. That said, the density, diversity, and distribution of communities across the watershed (see maps, beginning on page 6) suggests that almost all work undertaken to make water resources management more sustainable indirectly benefits all communities in the watershed.

KNOWN WATER MANAGEMENT NEEDS

The Santa Ana River Watershed presents a wide collection of challenges to effective engagement between communities and integrated water management. Of the six million diverse residents (Table 2) of the watershed, about 28%² reside in census tracts considered by California policy to be “disadvantaged”. For these 1.7 million residents, the economic and environmental burdens are similarly diverse. These census tracts are found throughout the watershed, including within both dense urban communities (e.g., Anaheim, Santa Ana, or Garden Grove) and within small rural or mountain

² Calculated from 2010 Census data

communities (e.g., Enchanted Heights, Quail Valley, or Big Bear Valley). Across the watershed, 69% of the cities and unincorporated county communities have census tracts considered disadvantaged. This suggests two things. First, it means that effective engagement strategies must be adopted throughout the region, not just in cases where specific communities are involved. Second, it means that the linkage between community need and beneficial projects is more widespread, as regional and local projects will undoubtedly accrue benefits to nearby overburdened community members.

	Total	White	Black	Native American	Asian	Pacific Islander	Mixed	Other	Ethnically Hispanic*
Population of the Watershed	5,998,188	3,656,735	299,098	39,730	822,593	20,135	237,781	922,116	2,678,481
% Total Pop.		60.96%	4.99%	0.66%	13.71%	0.34%	3.96%	15.37%	44.65%
Pop. in Disadvantaged Census Tracts	1,700,222	977,089	101,335	15,281	144,849	5,395	57,578	398,695	1,060,245
% Pop. in Disadvantaged Tracts		57.47%	5.96%	0.90%	8.52%	0.32%	3.39%	23.45%	62.36%
<i>* The US Census Bureau has changed how Hispanics are classified in the data, and therefore are not included in the total population statistic, rather, the Ethnically Hispanic counts are distributed amongst the other categories.</i>									

Table 2 - Demographic Statistics for Santa Ana River Watershed

The watershed is home to a small area of sovereign tribal land (about 15 square miles), some of which is also considered as disadvantaged by the DWR Disadvantaged Communities Mapping Tool. Additional Tribal land is adjacent to the east and south, and currently not covered by an IRWM Regional Water Management Group. Significant tribal consultation has been practiced by the OWOW process, and here will be continued and improved.

Water resources in the region is managed by a competent and complex network of retail water agencies, municipal city departments, private companies, special districts, county authorities and the US Army Corps of Engineers. Previous work has shown that, for many community members, the most direct link between water and their wellbeing is drinking water and sanitation. In the near future, however, the need for investment in stormwater quality management will join in this topmost tier. Directly, yet out-of-view for most communities, flood risk management provides both safety and a local water supply. Indirectly, the management of developed and undeveloped open space provides physical and mental health benefits and vital ecosystem processes.

In past efforts, OWOW has identified general water management needs within the disadvantaged communities of the watershed, as well as specific needs in some individual communities. Generally, disadvantaged communities in the watershed cannot afford to invest in the infrastructure or maintenance necessary to meet or sustain their water needs. This is highlighted in the OWOW 2.0 Plan

as the largest challenge. Other broad water management needs in the watershed include climate impacts on water supplies, legacy groundwater and local stormwater pollution, increased water demand through growth, and inadequate or limited understanding between water managers and community members.

Many of the middle- and upper-watershed disadvantaged communities have septic system challenges, where the cost of upgrading is unaffordable but the age of septic systems and population growth are resulting in unhealthy pollution. The economies of scale that often allow septic-to-sewer transitions don't exist for many of the rural communities with these challenges. Some communities, like Quail Valley, have been successful in partnering and developed a focused septic system improvement project with an initial phase of the project submitted and funded through the IRWM program, and are improving.

Lastly, in general across the watershed there are many smaller water management agencies that do not have the in-house expertise or capacity to apply for grants to help make positive change possible, or to achieve effective long-term planning for capital improvement and investment. In particular, there are a number of Mutual Water Companies, often surrounded by larger water districts, who need assistance responding to infrastructure degradation, climate change, regulatory changes, and growth.

EXISTING STRATEGIES TO ADDRESS NEEDS

Throughout the years, the **OWOW** planning process has sought to ensure that the needs of disadvantaged communities were present in the plan and in the proposed implementation projects. These efforts were carried out by a self-selected group of stakeholders and agency representatives.

The One Water One Watershed 2.0 Plan developed a best-practices guide for engagement with members of disadvantaged communities. This tool will be updated and strengthened during the Disadvantaged Community Involvement Program.

LEVELS OF INVOLVEMENT

Below is provided a description of how members of disadvantaged communities have been involved and engaged in the development and preparation of the OWOW 2.0 Plan, and how these engagements will be sustained during the OWOW Plan Update 2018 project and the Disadvantaged Community Involvement Program. In the nine months preceding this grant submittal, meetings of the OWOW Pillars, OWOW Steering Committee, and SAWPA Commission have considered the scope of work for the Disadvantaged Community Involvement Program. That Program's draft scope of work includes the application and improvement of engagement strategies previously developed in OWOW Plan 2.0. Further, a SAWPA watershed manager conducted over twenty meetings throughout the watershed with specific stakeholders who serve, live or work within overburdened communities. These meetings have drawn new participants into the OWOW process, and strengthened the proposed scope of work for the Disadvantaged Community Involvement Program.

OWOW 1.0 ENVIRONMENTAL JUSTICE PILLAR

To assist in identifying disadvantaged communities throughout the watershed, meetings were held with the California Department of Public Health and the Santa Ana Regional Water Quality Control Board. Once a disadvantaged community was identified, meetings were held with local public agencies to gain detailed knowledge about the unique characteristics of each region. Meetings were also held with the residents of these communities to help gain an understanding of their water quality and supply concerns.

OWOW 2.0 DISADVANTAGED COMMUNITY AND TRIBAL PILLAR

For the OWOW 2.0 Plan update, SAWPA was awarded a cost-sharing agreement with US Department of the Interior Bureau of Reclamation (Reclamation) to pursue additional outreach to specific communities in the watershed. Thirty-two communities were identified, and twelve were engaged at the agency, municipality and community level by consultants and other OWOW participants.

MAPS

Four maps follow, each depicting a different subset of the areas of interest for the DACI Program. Overall, though, because the communities of the watershed are so diverse and distributed, and that most of the watershed has local governments and water agencies that in-part serve overburdened communities, the scale of the program will be watershed-wide, inclusive of sovereign tribal land that straddles the watershed boundary.

One of the first tasks of the Strengths and Needs Assessment, described below, will be to revisit the technique of identifying community boundaries, allowing for more sophistication that census tracts allow. This effort will set the boundaries of further work of the DACI program.

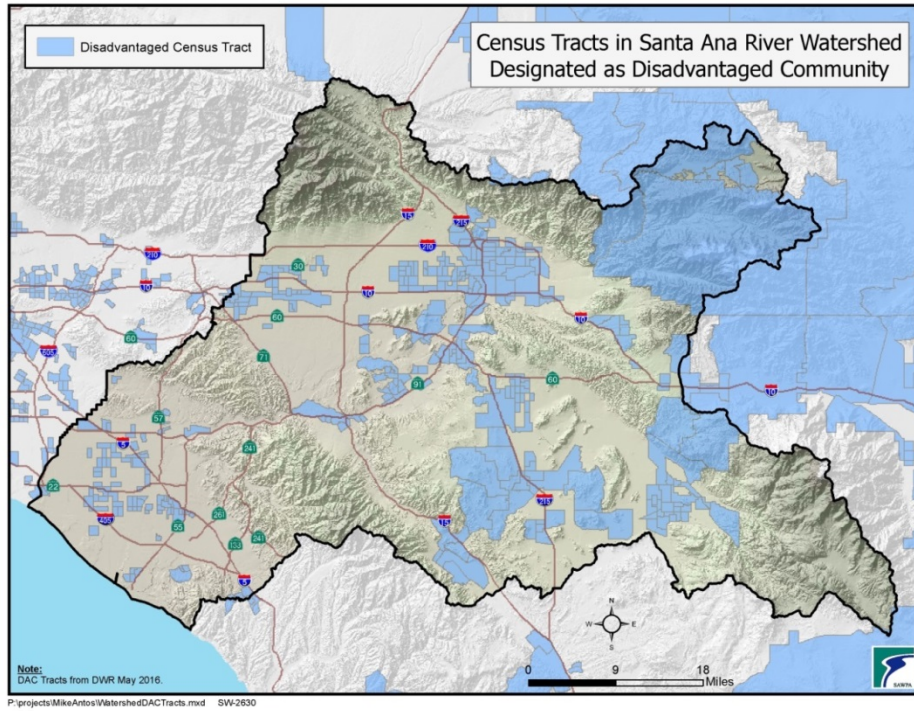


Figure 1 - Disadvantaged Community Census Tracts

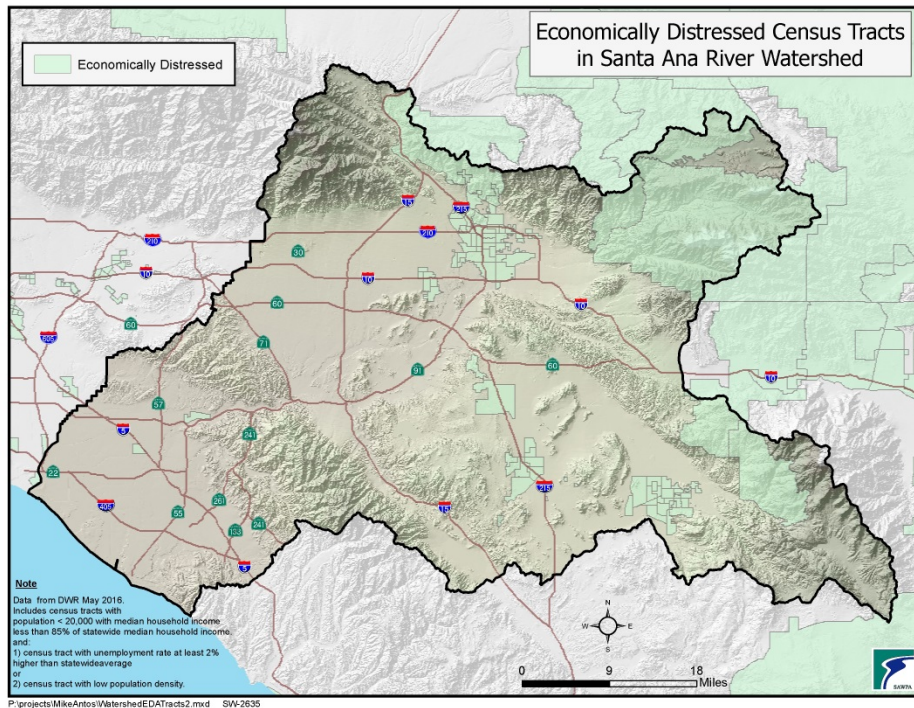


Figure 2 - Economically Distressed Area Census Tracts

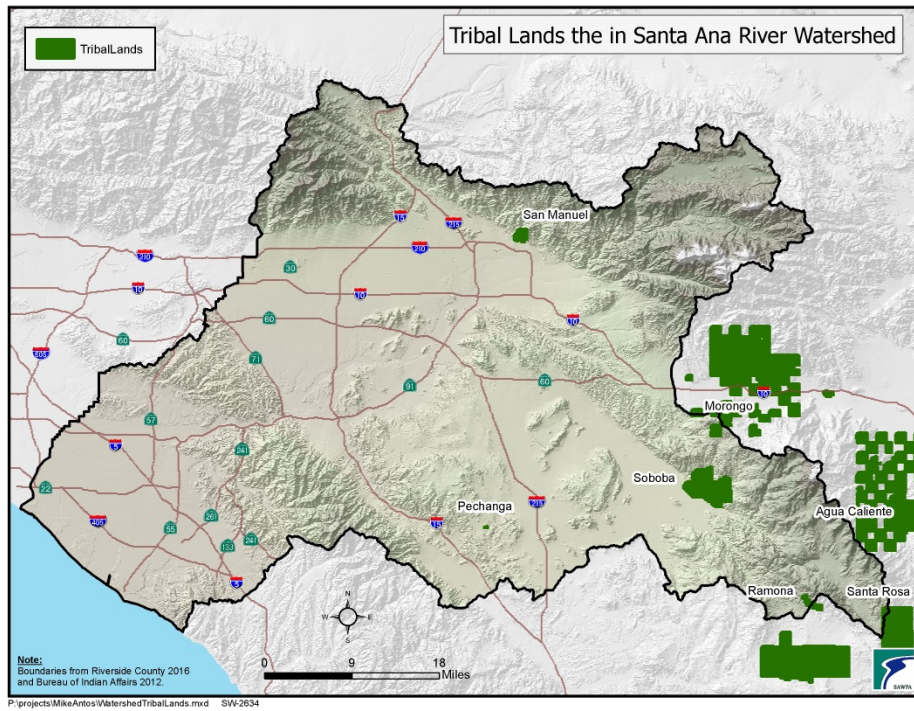


Figure 3 - Sovereign Tribal Lands

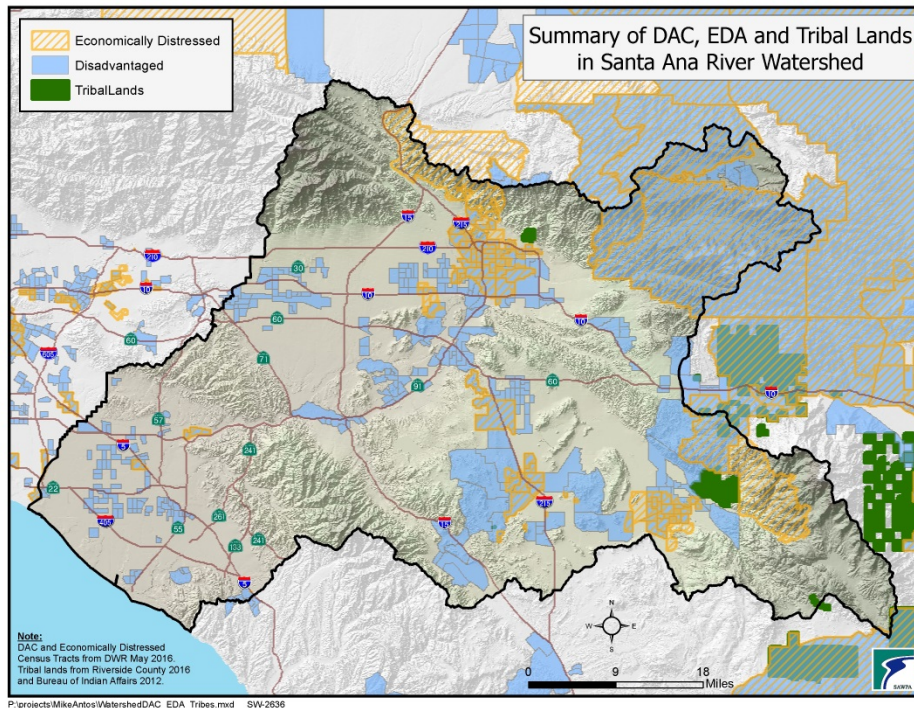


Figure 4 - Summary Map

APPROACH FOR ENGAGING UNDERREPRESENTED COMMUNITIES

For the DACI Program in Santa Ana River Watershed, at least two different communities will be included in this program using the “underrepresented community” framework; sovereign tribal communities, and the homeless. We hold out the possibility that during the Strengths and Needs Assessment other underrepresented communities become visible, which will then be incorporated into the program.

SOVEREIGN TRIBAL COMMUNITIES

In previous **OWOW** planning work the US Department of Interior Bureau of Reclamation led the development of an insightful report, through a conferral process, about the needs of the Tribal communities in and near the Santa Ana River. The resulting appendix of the **OWOW 2.0** Plan describes the best-practices of conferring with sovereign tribal governments. Using these ideas and with assistance from the DWR Tribal Policy Advisor, the DACI Program Team will again confer with the Tribal communities about their water management strengths and needs, and to invite them to the **OWOW** Plan Update 2018 process, inclusive of both DACI topics but also the other governance, climate and water quality changes driven by the 2016 IRWM Standards.

HOMELESSNESS

Homelessness is a human tragedy impacting far too many people of the Santa Ana River Watershed. Data does not exist at the watershed boundary, however it can be estimated that there are roughly 7,000 homeless people within the watershed, with more than half of them residing in the city boundaries of Santa Ana and Anaheim, in Orange County.³ There are approximately 2,066 in Riverside County⁴ and 1,100 in the San Bernardino portion of the watershed, with high densities in Fontana, Ontario, San Bernardino, Riverside, and Hemet⁵. Basic research while writing this proposal has shown that few have previously considered the linkages between homelessness and integrated water management. Further, conceptually within natural resources management, people who are homeless are rarely considered a “community” unto themselves. It is our proposal that a symposium will be conducted to initiate a conversation between those who specialize in homelessness and the water management community. The symposium will produce a next steps report that considers what role the water management sector can play in mitigating homelessness, or to compassionately engage with people who are homeless to meet their needs while also mitigating impacts people who are homeless may have on water resources.

³ Schatz, Megan Kurteff, Tracy Bennett, Genevieve Heidenreich, and Katharine Gale. Orange County Homeless Count & Survey Report. Rep. County of Orange California, July 2015. Web. 23 Aug. 2016.

⁴ Henry, Meghan, Azim Shivji, Tanya De Sousa, and Rebecca Cohen. The 2015 Annual Homeless Assessment Report (AHAR) to Congress. Rep. The U.S. Department of Housing and Urban Development, Nov. 2015. Web. 23 Aug. 2016.

⁵ Colletti, Joe, Sofia Herrera, Joshua Tan, and Thelma Herrera. San Bernardino County 2015 Homeless Count and Subpopulation Survey: Final Report. Rep. San Bernardino County, 2015. Web. 23 Aug. 2016.

One example of how this work is topical and necessary comes from the ongoing Middle Santa Ana River Bacterial TMDL Task Force administered by SAWPA here in the Santa Ana River Watershed. A data analysis report from the TMDL Task Force includes work by UC Davis which suggests bacteroidales samples of the stream show exceedances of water quality objectives, and that source analysis suggests human fecal contamination downstream of known encampments of people without homes⁶.

This water quality challenge is embedded in a much more complex social challenge, and pursuing a water quality improvement disconnected from the larger challenge might, at best, fail, and at worst, exacerbate the challenges faced by people who are homeless.

C. Activity Descriptions:

With the strong foundation of knowledge and outreach developed throughout earlier planning efforts, the OWOW group now looks forward to the Disadvantaged Community Involvement Program. Below is revealed a scope of work to explore 1) the **strengths and needs** of overburdened communities in the watershed, 2) through **engagement, learn** from one another about the needs and capacities within the water agencies and communities, and 3) assure integrated water management **projects that are supported by communities are at the top of to-do lists** throughout the watershed.

The program team will work together on all aspects of the project, with one partner as lead for each of the activities. The program will be supported by a Technical Advisory Committee, described below within the first effort. Below are described the activities, grouped in the three efforts, revealing the lead partner and the deliverables expected from each.

1. STRENGTHS & NEEDS ASSESSMENT

OUTCOMES OF THIS PROGRAM ELEMENT

The combined activities of this program element will produce several outcomes. First and foremost, building on earlier work, the OWOW process will achieve a better understanding of the water management needs of overburdened and underrepresented communities so that resources and funding can be more effectively directed to meet those needs. Second, this program element will acknowledge and document the strengths of overburdened and underrepresented communities so that as programs are developed to meet their needs the communities will have agency and be properly engaged in those efforts. Lastly, this program element will, through its assessment process, create new networks of familiarity between local elected or community leaders and water management leaders.

A summary report will be co-written by the project partners that provides the conclusions of the Strengths & Needs Assessment.

⁶ Gardiner, Nancy E. "Winter 2009-10 Results of Middle Santa Ana River Pathogen TMDL Agricultural Source Evaluation Plan Monitoring." Letter to Ms. Pat Boldt. 9 Mar. 2010. Sawpa. Brown and Caldwell, Feb. 2015. Web. 23 Aug. 2016.

ACTIVITY TITLE: DACI TECHNICAL ADVISORY COMMITTEE

Activity Categories: *Engagement in IRWM Efforts*

Description: The DACI Technical Advisory Committee will include a representative from each of the program partners, the Disadvantaged Community / Tribal Pillar Chair, and will recruit other members from among watershed communities. This group will meet regularly (at least quarterly, but on a schedule developed by the Committee) to advise the DACI program efforts, and will assist developing community connections.

Deliverables: Roster of TAC members, Notice of meetings

ACTIVITY TITLE: DISADVANTAGED COMMUNITY / TRIBAL PILLAR

Activity Categories: *Education, Facilitation*

Description: SAWPA will assist the Pillar to convene five times per year (every other month, minus year-end) for workshops. These workshops will provide opportunity to learn and consider relevant topics, including first the issues of homelessness. The Pillar group, through conversation and deliberation, will develop the OWOW Plan Update 2018 chapter about overburdened and underrepresented communities.

Deliverables: Notice of meetings, OWOW Plan Update 2018 Chapter

ACTIVITY TITLE: ENGAGE LOCAL ELECTED LEADERS

Activity Categories: Community Outreach, Needs Assessment, Community Outreach

Description: The Local Government Commission will lead efforts to interview and/or survey local elected leaders who serve overburdened communities. This will introduce leaders to Integrated Regional Water Management, and gather a baseline idea of the water management needs of the communities they serve.

Deliverables: Interview / Survey results from at least 30 local elected leaders.

ACTIVITY TITLE: ENGAGE MUTUAL WATER COMPANIES

Activity Categories: *Needs Assessments, Community Outreach, Engagement in IRWM Efforts, Enhancement of DAC aspects in IRWM plans, Technical Assistance*

Description: California Rural Water Association will engage with mutual water companies throughout the watershed to learn about the strengths and needs of these organizations.

Deliverables: Report from each mutual water company, Summary report of regional trends

ACTIVITY TITLE: ENGAGE WATER AGENCIES

Activity Categories: *Needs Assessments, Community Outreach, Engagement in IRWM Efforts, Enhancement of DAC aspects in IRWM plans, Technical Assistance*

Description: SAWPA staff will engage with water agencies throughout the watershed to gather and summarize the understanding of strengths and needs within the service areas.

Deliverables: Summary report of responses

ACTIVITY TITLE: COMMUNITY LISTENING WORKSHOPS

Activity Categories: *Needs Assessments, Community Outreach, Engagement in IRWM Efforts, Enhancement of DAC aspects in IRWM plans*

Description: The California State University Disadvantaged Community Center (CSU DACC) will conduct community workshops throughout the watershed during which community members will gain new knowledge about the water in their community, and will share their understanding of the strengths and needs their community has about water.

Deliverables: Workshop notices, Workshop materials, Community Input information in Assessment Report

ACTIVITY TITLE: COMMUNITY WATER ETHNOGRAPHY

Activity Categories: *Needs Assessments, Community Outreach, Enhancement of DAC aspects in IRWM plans*

Description: CSU DACC will complete water-centric ethnographic⁷ research about the communities of the watershed, creating a new understanding of social, cultural and water strengths and needs.

Deliverables: Core of Strengths & Needs Assessment Report, Spatial description of “communities” (beyond Census Tracts), Community Water Management Provider Roster (who serves each community), Demographic data and trends, Required data needs as described by “Needs Assessment Template” in the DACI Program Guidelines

⁷ In this context, “ethnographic” describes the customs and knowledge of individuals and communities

ACTIVITY TITLE: HOMELESSNESS & WATER CONVENING

Activity Categories: *Needs Assessments, Community Outreach, Enhancement of DAC aspects in IRWM plans*

Description: SAWPA staff and program partners will convene a one-day event to reveal synergies and develop new partnerships between those seeking to manage homelessness in the watershed, and those engaged with water management. These relationships do not current existing in an extensive way.

Deliverables: Meeting Notice, Pictures of event, Summary report of conclusions or next steps

2. ENGAGEMENT / EDUCATION

OUTCOMES OF THIS PROGRAM ELEMENT

This program element contains activities that will accomplish multiple long-term outcomes for the region. It will provide community members a better understanding of water management and better understanding of community strengths and needs for water managers. Further, by facilitating engagement by students, and hosting events that convene broad groups of stakeholders and community members, participation with SAWPA through its Integrated Regional Water Management Planning (OWOW Plan) update but also into the future will be strengthened. Lastly, by engaging and educating elected representatives from overburdened or underrepresented communities, this effort will create lasting relationships that ensure equitable representation in decision-making.

ACTIVITY TITLE: TRIBAL CONSULTATION

Activity Categories: *Needs Assessment, Community Outreach, Governance Structure*

Description: The DAC / Tribal Pillar Chair, in partnership with SAWPA staff, Cal Rural staff and CSU DACC personnel, will build upon past consultation to confer with the Tribal Governments of the Santa Ana Watershed and the adjacent areas currently not served by a Regional Water Management Group.

Deliverables: Ongoing Tribal government representation in OWOW process, Tribal water management needs in **OWOW Plan Update 2018**.

ACTIVITY TITLE: VALUE OF WATER / TAP WATER TRUST

Activity Categories: *Community Outreach, Education*

Description: Expanding existing campaigns or initiating new, this Activity will seek to share the value and safety of tap water within the communities of the watershed. In the vast majority of the communities of the watershed tap water is clean and affordable, yet many new immigrant communities, for many reasons, do not trust the water. There are negative economic and health outcomes from reliance on bottled water that for the Santa Ana watershed can be overcome with a respectful, multi-lingual and compassionate outreach campaign.

Deliverables: Notice of bid documents (if applicable), Copies of outreach campaign materials, Roster of participating agencies, Map of watershed regions where campaign carried out

ACTIVITY TITLE: TRANSLATION SERVICES

Activity Categories: *Education, Technical Assistance*

Description: SAWPA will issue an RFP for translation services to produce an on-call list of in-person meeting and written material translation contractors. A Call for Projects (translation support) will be issued through the **OWOW** process to allow local entities to access the on-call contractors for translation services on activities related to community engagement for water management.

Deliverables: Notice of bid opportunity, Copies of translated written material, Notice and list of translated public events, pictures from translated public events

ACTIVITY TITLE: LAYPERSONS GUIDE OR EQUIVALENT

Activity Categories: *Community Outreach, Education*

Description: The Water Education Foundation will research and produce a laypersons guide or equivalent report that documents key generalizable findings of the DACI Program. This report will be distributed throughout the state in support of stronger engagement between communities and integrated water resources management.

Deliverables: Laypersons guide or equivalent (printed), Related web content

ACTIVITY TITLE: STATE OF THE SANTA ANA WATERSHED CONFERENCES

Activity Categories: *Needs Assessments, Education, Engagement in IRWM Efforts, Enhancement of DAC aspects of IRWM plans, Project Development Activities*

Description: Water Education Foundation, in partnership with SAWPA, will develop and execute two conferences in the Spring of '17 and again in Fall of '18 or Spring of '19. Both events will

be modeled on previously successful events in the Santa Ana River Watershed, and will focus on the water management needs of communities, and the transition to implementation phases, respectively. The DACI grant will support multiple cost-free registrations at each conference for community members or their trusted representatives. Other costs associated with the event will be separately funded.

Deliverables: Notice of conferences, Copies of Conference materials related to the DACI Program, Roster of grant-supported registrants

ACTIVITY TITLE: COMMUNITY WATER EDUCATION

Activity Categories: *Education, Community Outreach, Facilitation*

Description: The CSU DACC will design and host three community water education events each year. These events will provide learning opportunities for community members on how to engage with the water management process in the watershed.

Deliverables: Notice of events, Event pictures, Copies of Event-specific materials

ACTIVITY TITLE: WATER AGENCY COMMUNITY ENGAGEMENT TRAINING

Activity Categories: *Education*

Description: Using information garnered during the Community Water Ethnography Task, the CSU DACC will provide three trainings per year to members of water agencies in the watershed. This training will include engagement skills, and specific knowledge about communities served by the participating water agencies.

Deliverables: Notice of Events, Roster of participating agencies, Copies of event-specific materials

ACTIVITY TITLE: LOCAL ELECTED LEADER TRAINING

Activity Categories: *Education, Engagement in IRWM Efforts, Governance Structure*

Description: The Local Government Commission will develop and execute three trainings per year for local elected leaders and their staff in the watershed. The training will include community engagement and water management topics.

Deliverables: Notice of training events, Copies of event-specific materials, Roster of participants

ACTIVITY TITLE: COMMUNITY ENGAGEMENT INTERNS PROGRAM

Activity Categories: *Education, Engagement in IRWM Efforts*

Description: Water agencies and environmental/social justice NGOs of the watershed will apply for the services of 2 undergraduate interns from CSU to assist with community engagement, public affairs or community education activities. The intern program models an existing program and capacity of CSU, funded by the US Department of Agriculture. Interns will be selected from within the Santa Ana Watershed CSU campuses (San Bernardino and Fullerton). Efforts will be made to recruit interns and fellows from the watershed communities. Upon selection and completion of an intern orientation the internship provides for 300 graduate student internship hours or 350 undergraduate student internship hours to support grant activities. Interns are supervised by the Water Action Fellows and have a \$500 supply / travel budget. All payroll and human resources services are provided by the CSU partners. Half way through the internship the intern produces an interim activity report. Upon completion of the paid internship the student develops a final activity report. The final reports are posted on line as a part of the CSU library special collection. The cohort of interns will be engaged by two Water Action Fellows, housed at SAWPA, for trainings and networking meetings, related to IRWM efforts.

This Activity provides multiple types of capacity building in the watershed: by supporting students, supporting organizations, and by creating new networks of familiarity between organizations, and between communities and the water organizations.

Deliverables: Copies of applications from selected agencies/NGOs, Roster of participating interns (20 interns per year), volunteer logs of all intern hours served and activities (maintained by Fellows, volunteer engagement plan, training agendas developed by Fellows, Gap Assessment completed by Fellows at start of service, Roster of Water Action Fellows (2 per year), interim and final reports of interns.

3. PROJECT DEVELOPMENT

OUTCOMES OF THIS PROGRAM ELEMENT

This third program element contains activities that, once complete, will provide important and needed changes to the IRWM Plan for the Santa Ana Funding Region, will support the next steps of existing IRWM projects that benefit overburdened communities, and daylight and develop new water project concepts that meet the stated needs of community members. These changes will represent a strengthened understanding by the RWMG of community needs, and ensure that future

implementation/construction funding and activities are directed to meeting the needs identified by members of overburdened communities.

ACTIVITY TITLE: TECHNICAL ASSISTANCE FOR COMMUNITY NEEDS

Activities Categories: Technical Assistance, Project Development Activities or Construction

Description: During the broad engagement efforts of the DACI Program needed projects, plans or programs will be identified. These concepts will be evaluated and an appropriate set will be selected for Technical Assistance (TA) in preparation for future IRWM and other funding opportunities. This effort may also link to the State Board Technical Assistance Program, via the CSU DACC and Cal Rural who are statewide TA providers.

Deliverables: List of project concepts uncovered during engagement, Commitment by governing body of local agency who will “own” the concept, Concept ranking criteria, Ranked concepts, TA products (specific to selected concepts), Referrals to State Board TA Program

ACTIVITY TITLE: OWOW PLAN UPDATE 2018

Activity Categories: Engagement in IRWM efforts, Enhancement of DAC aspects in IRWM plans

Description: With close advisement from the DACI TAC, and in support of the Disadvantaged Community / Tribal Pillar, SAWPA staff will contribute to the OWOW Plan Update 2018. This effort is broader than just complying with the 2016 IRWM Standards. During this update process, the combined learning and discovery of the DACI program will be incorporated in the OWOW Plan, including an update to Subchapter 5.13 *DAC / Tribal Communities*, and a general update throughout in reference to community engagement best practices, maps and other related materials.

Deliverables: Draft OWOW Plan Update 2018, Final OWOW Plan Update 2018

EXPECTED OUTCOMES

As described above, the DACI Program in the Santa Ana River Watershed aims for broad outcomes. The arc of the program includes three program elements, each of which links and relies on the others. The Strengths and Needs Assessment program element will gather a broad understanding of the communities of the watershed, and ensure that the insights of community members about water needs are captured. The activities of this effort focus on listening and learning.

The Engagement / Education program element will build a bridge of familiarity between water stakeholders and community members. Water managers and interested partners will learn about the communities of the watershed, and the strengths and needs of those communities. The communities

will learn about the water management process, and how their participation can bring needed change to their communities. And, through facilitated events where learning, networking and engagement are core principles, the social fabric of the watershed will be strengthened to benefit water governance and community resilience.

The Project Development program element will ensure that solutions to previously documented needs are being advanced, and that newly discovered needs have solutions identified and given every opportunity to achieve future implementation funding. Lastly, this effort will provide the summation of the work of the DACI Program in the **OWOW Plan Update 2018**. Documenting the findings, lessons learned, and next steps of the DACI Program, the region will have a road-map to successfully staying engaged, and continuing to meet the needs of the members of overburdened and underrepresented communities.

The table below links the PSP Table 3 to the proposed efforts, and the expected outcomes sought by the State and by the Santa Ana River Watershed communities.

Program Element	Table 3 Activities	Expected Outcomes
Strengths & Needs Assessment	Needs Assessments, Community Outreach, Engagement in IRWM Efforts, Governance Structure, Enhancement of DAC aspects of IRWM plans	Better understanding of water needs, better allocation of resources, increased participation in IRWM planning and project development, increased community role in RWMG decisions, ensured participation regardless of financial contributions, plan changes that result in support and understanding of DAC needs.
Engagement and Education	Education, Community Outreach, Engagement in IRWM Efforts, Facilitation, Technical Assistance, Enhancement of DAC aspects of IRWM plans, Project Development	Better understanding by community members and RWMG members of water needs, increased participation in IRWM planning and project development, overcome obstacles in communication needs, assistance for community staff to support local decision-making, changes in IRWM Plan that supports DAC needs, project development for future implementation.
Project Development	Engagement in IRWM efforts, Technical Assistance, Enhancement of DAC aspects of IRWM plans, Project Development	Increased roles for members of DACs in planning and project development, assistance to communities to support local decisions, knowledge and skills, plan updates that support DAC needs, project development for current and future implementation.

D. Statement of Qualifications:

SANTA ANA WATERSHED PROJECT AUTHORITY

SAWPA is the approved Regional Water Management Group of the Santa Ana Funding Region, and home of the **One Water One Watershed 2.0** Integrated Regional Water Management Plan. SAWPA administers the **OWOW** Steering Committee, and convenes the **OWOW** Pillars. For this program, SAWPA will administer the grant, and coordinate the program partners' work.

Key Staff:

CELESTE CANTÚ, GENERAL MANAGER

Joining SAWPA in December 2006, Celeste Cantú has brought significant experience in the water field to SAWPA having served as the Executive Director of the State Water Resources Control Board in Sacramento. Ms. Cantú received her B.A. from Yale in Urban Planning and Policy and a M.P.A. from Harvard's Kennedy School of Government.

MARK NORTON, P.E. LEED AP - WATER RESOURCES & PLANNING MANAGER

Mark Norton's background includes over 34 years of engineering and planning experience in a broad range of water resource projects; 20 years with SAWPA. He is the department manager of water resources and planning and the authority administrator for the Lake Elsinore & San Jacinto Watersheds Authority. Mr. Norton received his bachelor's degree in Civil Engineering from University of Colorado and an M.P.A from Brigham Young University.

MIKE ANTOS, PH.D. - WATERSHED MANAGER

Mike Antos will manage this program. He has played a role in the IRWM Program effort to strengthen engagement with disadvantaged communities since 2010. He holds a Ph.D. in Geography from UCLA, and is a fellow of the Robert & Patricia Switzer Foundation.

CALIFORNIA STATE UNIVERSITY, WATER RESEARCH AND POLICY INITIATIVES, DISADVANTAGED COMMUNITY CENTER

The California State University Disadvantaged Communities Center (CSU DACC) provides multidisciplinary technical assistance (TA) and capacity building to the most critically underserved communities while providing high-impact learning experiences for students. These benefits are derived from the four pillars used to form the DACC, which are: partnerships, student internships, long-term community engagement, and observations and measurements. The DACC has dedicated professional staff providing TA and oversight directly to disadvantaged communities while also training the next generation of water leaders from these communities by hiring multidisciplinary student interns from the CSU, California Community Colleges (CCC), and the University of California (UC) systems.

Key Staff:

BOYKIN WITHERSPOON III - EXECUTIVE DIRECTOR OF THE CSU WATER RESOURCES AND POLICY INITIATIVES

Mr. Witherspoon's experience includes all aspects of management for the Water Research and Policy Initiative (WRPI), including budgeting, staffing, and scheduling. He manages multiple consortiums of California State University campuses, consisting of multidisciplinary teams of economist, policy experts, engineers, scientists, and social science professionals.

KARL LONGLEY - SPECIAL ADVISOR TO THE CSU DACC

Dr. Longley is Emeritus professor and Dean of Engineering, and founding director of the California Water Institute at California State University, Fresno and Chair of the Central Valley Regional Water Quality Control Board.

ROGER SHINTAKU - DACC DIRECTOR OF ENGINEERING

Mr. Shintaku is a licensed engineer with over 40 years of experience working on water issues in California. He has previously served as General Manager of the Santa Ana Watershed Project Authority and the Salton Sea Authority.

DAWN MACY - DIRECTOR, CENTER FOR INTERNSHIPS AND COMMUNITY ENGAGEMENT, CSU FULLERTON

Ms. Macy directs the Center for Internships & Community Engagement (CICE), which creates cooperative linkages between higher education, community organizations and professional offices and strives to create high quality, community-based experiences that benefit students, partner sites, and communities.

DIANE PODOLSKA - DIRECTOR, OFFICE OF COMMUNITY ENGAGEMENT, CSU SAN BERNARDINO

Ms. Podolska directs the Office of Community Engagement, which facilitates service learning, community-based research and volunteer service by engaging students, faculty, and community partners in collaborative partnerships that serve the public good. The Office leads the university-wide culture of community engagement as a high impact practice that contributes to student success.

MARIA MEHRANIAN - MANAGING PARTNER AND CHIEF FINANCIAL OFFICER, CORDOBA CORPORATION

Ms. Mehranian oversees water and energy projects, including development of renewable energy infrastructure and creation of renewable water resources strategies. She is responsible for strategic financial planning, including capital financing, cash flow operations, profit/loss responsibilities, and project delivery.

LOCAL GOVERNMENT COMMISSION

Local Government Commission is a nonprofit organization fostering innovation in environmental sustainability, economic prosperity and social equity. The LGC is helping to transform communities through inspiration, practical assistance and a network of visionary local elected officials and other community leaders. Their Sacramento-based office is home to a 20-person team conducting projects state-wide. LGC project managers are uniquely talented in convening diverse groups of stakeholders to identify best practices or determine a way forward in a difficult situation. They also specialize in distilling complex information into critical points relevant to particular audiences.

Key Staff

KATE MEIS

Kate Meis is Executive Director of the Local Government Commission, and is responsible for many of LGC's pioneering programs. She holds an M.S. in Community Development from U.C. Davis and a B.A. in Sociology from Sonoma State University.

PAUL ZYKOFSKY

Paul Zykofsky directs the Local Government Commission's programs related to land use and transportation planning, community design, and health and the built environment. He holds a M.A. in Urban Planning and a B.A. in Architecture from City College of New York.

DANIELLE V. DOLAN

Danielle V. Dolan has been working in environmental education, engagement, and advocacy for the last 14 years, with the latter half in California water issues. She is a 2015 Water Leader, a member of the California Roundtable on Water and Food Supply, and serves on the California Water Policy Conference Planning Committee. She holds a M.S. in Community Development from UC Davis and a B.A. in Environmental Studies from Hawai'i Pacific University.

EMILY FINNEGAN

Emily Finnegan is the Project Associate for the CivicSpark: Water Action Fellowship, a Governor's Initiative AmeriCorps program that provides capacity building support for local public agencies to address water resource management challenges throughout California. She holds a B.A. in Political Science and Globalization Studies from Albany State University.

WATER EDUCATION FOUNDATION

The mission of the Water Education Foundation, an impartial, nonprofit organization, is to create a better understanding of water resources and foster public understanding and resolution of water resource issues through facilitation, education and outreach. Taking a steady pulse of the water world, the Foundation provides a vast repertoire of educational materials, products and services such as water tours, lectures, and the quarterly magazine, Western Water, and Project WET (Water Education for Teachers).

Key Staff:

JENNIFER BOWLES, EXECUTIVE DIRECTOR

Ms. Bowles directs the development of Western Water magazine, the Layperson's Guide series, the Foundation's Colorado River program, programs on water, poster maps, tours, press briefings and

school programs. She received her bachelor's degree in journalism and history from the University of Southern California, and completed the yearlong Ted Scripps Fellowship for Environmental Journalism at the University of Colorado, Boulder.

SUE MCCLURG, DEPUTY EXECUTIVE DIRECTOR

Ms. McClurg oversees the Foundation's grant projects and programs, and serves as the primary editor of Western Water magazine and the River Report newsletter. She also coordinates conferences and briefings, including the Foundation's biennial Colorado River Symposium. She is an award-winning journalist and is the author of the Foundation's book, *Water & the Shaping of California*, published in 2000. She received her bachelor's degree in journalism from California State University, Fresno.

SUSAN LAUER, STAFF WRITER

Ms. Lauer writes publications and special projects, develops digital publications and assists with conferences and other programs put on by the Foundation. She graduated from California State University, Chico with a bachelor's degree in psychology and honors in English.

GARY PITZER, STAFF WRITER

Mr. Pitzer writes articles for Western Water magazine, the River Report newsletter and updates titles in the Layperson's Guide series. He graduated from California State University, Sacramento, with a bachelor's degree in history.

CALIFORNIA RURAL WATER ASSOCIATION

California Rural Water Association is a registered 501(c)(3) non-profit organization that was incorporated in 1990. CRWA is the state's leading organization dedicated to providing on-site technical assistance and specialized training for rural water and wastewater systems, focusing specifically on disadvantaged communities. CRWA is an affiliate of the National Rural Water Association, America's largest utility association, with over 31,000 members. CRWA has more than 1,100 members across California. Systems do not need to be members to receive CRWA support but receive enhanced benefits with membership. CRWA has over 40 technical specialists located throughout the state to provide on-site technical assistance.

Key Staff

DUSTIN HARDWICK - DIRECTOR OF RESOURCE DEVELOPMENT

He will oversee CRWA's involvement in SAWPA's DACI grant and direct budgets and resources as necessary.

HOLLY ALPERT, PH.D., - IRWMP COORDINATOR

Holly works with IRWM regions throughout California to inform them of CRWA services and resources and to form partnerships with CRWA. She will be the main point of contact for the DACI grant for SAWPA.

TOM KEEGAN - TRIBAL SPECIALIST

Tom works with tribes throughout the state to bring them resources and services as needed. Tom coordinates CRWA's Tribal Program, which includes trainings, technical assistance, a focus on drought, and access to specific tribal resources.

CONSULTANTS

Consultants to support the program will be selected through an open, fair, and competitive procurement process implemented by SAWPA. These consultants will provide support services to translate written material, and provide live translation at public meetings. These consultants will be on-call to SAWPA, and made available following an application process to any related water agency or community group who is conducting engagement activities with outcomes related to the DACI Program. Consultant proposals will be vetted by the DACI Technical Advisory Committee and SAWPA staff.

E. Schedule:

MILESTONES

- January 2017: Program Start
 - Strengths & Needs Assessment effort and activities begin
 - Pillar Workshops, which are ongoing, turn partial attention to DACI Program
 - DACI TAC recruitment begins
 - Water leader engagement begins
 - Water Action Fellows continues
 - Tribal Consultation begins
- February 2017: OWOW Plan Update 2018 begins
 - DACI TAC begins meetings, sets expectations and schedule
- March 2017: Engagement begin
 - Local leaders, small-system operators, water agency, and community member listening sessions
 - Engagement Internships begin
- May 2017: State of the Watershed Conference 2017
- June 2017:
 - Homelessness & Water Symposium planning begins
 - Translation Services RFP released, contractor on-board
- July 2017:
 - Trust the Tap Campaign development begins
 - Implementation / Planning support sub-agreements executed for existing projects that meet community needs.
- September 2017:
 - Homelessness & Water Symposium

- State of the Watershed Conference 2018 planning begins
- January 2018:
 - Trainings for community members, local elected officials, and water agencies begin
- March 2018:
 - Strengths & Needs Assessment complete
 - Technical Assistance for identified projects begins
- April 2018: OWOW Plan Update 2018 Complete
- June 2018:
 - Strengths & Needs Report Issued
 - State of the Watershed Conference 2018
- January 2019:
 - Trainings continue
 - Technical assistance continues
- April 2019: Layperson's Guide (or equivalent) complete & distributed
- June 2019:
 - Trainings complete
 - Technical assistance complete
- August 2019
 - Engagement Internship Program complete
- October 2019
 - Translation Contractor Complete
 - Grant-supported component of Trust the Tap Campaign Complete
- November 2019
 - DACI TAC Final Meeting
 - Report out to Pillar Workshop, OWOW Steering Committee, SAWPA Commission
- December 2019 – Program Complete

Task Name	Start	Finish	2017				2018				2019				2020				
			Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1		
Grant Administration	Tue 1/3/17	Tue 12/31/19																	
+ DACI TAC Meetings	Wed 2/15/17	Wed 11/20/19																	
+ Pillar Workshops	Tue 1/10/17	Tue 11/12/19																	
- Strengths & Needs Assessment	Tue 1/3/17	Sat 6/30/18																	
Engage Local Elected Leaders	Sun 1/1/17	Thu 12/28/17																	
Community Listening Workshops	Sun 1/1/17	Thu 12/28/17																	
Engage Mutual Water Cos.	Sun 1/1/17	Thu 12/28/17																	
Engage Water Agencies	Sun 1/1/17	Thu 12/28/17																	
Community Water Ethnography	Tue 1/3/17	Thu 6/28/18																	
Homelessness & Water Symposium	Thu 6/1/17	Sat 9/30/17																	
- Engagement & Education	Tue 1/3/17	Tue 12/31/19																	
Tribal Consultation	Tue 1/3/17	Tue 12/31/19																	
Trust the Tap Campaign	Sat 7/1/17	Thu 10/31/19																	
Translation Services Contractor(s)	Sat 7/1/17	Thu 10/31/19																	
Laypersons Guide (or equivalent)	Sun 6/18/17	Tue 4/30/19																	
State of the Watershed Conference 2017	Thu 9/1/16	Fri 6/30/17																	
State of the Watershed Conference 2018-19	Fri 9/1/17	Sun 6/30/19																	
Community Water Education Events	Fri 9/1/17	Sun 6/30/19																	
Water Agency Engagement Training	Fri 9/1/17	Sun 6/30/19																	
Local Elected Leader Training	Fri 9/1/17	Sun 6/30/19																	
+ Water Action Fellows	Sat 10/1/16	Mon 9/30/19																	
Community Engagement Internship Program	Wed 3/1/17	Sat 8/31/19																	
- Project Development	Tue 1/3/17	Thu 10/31/19																	
Technical Assistance for project development	Mon 1/1/18	Thu 10/31/19																	
OWOW Plan Update 2018	Wed 2/1/17	Mon 4/30/18																	

F. Budget:

TASK BUDGET

Element #	Activity #	Element / Activity Name	Cost	
PE 0		Grant Administration	\$ 315,000	
PE 1		Strengths & Needs Assessment		\$ 699,403.05
	1	DACI Technical Advisory Committee	\$ 114,172	
	2	DAC / Tribal Pillar	\$ 54,291	
	3	Engage Local Elected Leaders	\$ 68,150	
	4	Engage Mutual Water Companies	\$ 50,745	
	5	Engage Water Agencies	\$ 48,098	
	6	Community Listening Sessions	\$ 90,669	
	7	Community Water Ethnography	\$ 216,768	
	8	Homelessness & Water Convening	\$ 56,509	
PE 2		Engagement / Education		\$ 1,845,353.98
	9	Tribal Consultation	\$ 150,216	
	10	Trust the Tap Campaign	\$ 83,179	
	11	Translation Services	\$ 170,201	
	12	Laypersons Guide	\$ 91,886	
	13	State of the Watershed Conferences	\$ 146,161	
	14	Community Water Education	\$ 101,827	
	15	Water Agency Engagement Training	\$ 126,661	
	16	Local Elected Leader Training	\$ 228,150	
	17	Community Engagement Interns Program	\$ 747,073	
PE 3		Project Development		\$ 3,193,408.69
	18	Technical Assistance / Project Implementation	\$ 3,320,875	
	19	OWOW Plan Update 2018	\$ 119,368	
		Total Actuals	\$ 6,300,000	
		Total Expected	\$ 6,300,000	
		<i>Difference</i>	\$ 0	

SAWPA CHART OF ACCOUNTS BUDGET

Revenues	Grant Total
State Grant Proceeds	\$ 6,300,000
LAIF Interest	\$ -
Member Agency Contribution	\$ -
Misc Revenue	\$ -
Operating Transfers	\$ -
Total Revenue	\$ 6,300,000
Expenses	
Salaries	\$ 414,478
Benefits	\$ 173,666
G&A costs	\$ 659,850
Consulting	\$ 4,855,605
Other Contract Services	\$ 150,000
Materials & Supplies	\$ 6,000
Software	\$ 2,000
Internet Services	\$ -
Offsite Meeting / Travel	\$ 18,000
Conference Expenses	\$ 10,000
Dues	\$ -
Shipping/Postage	\$ 500
Office Supplies	\$ 2,400
Other Expenses	\$ 7,500
Total Expense	\$ 6,300,000

SAWPA PERSONNEL BUDGET

SAWPA Staff Title	Role	Final Year Rate*	Hours	Budget
General Manager	Project Director	\$ 420.25	280	\$117,670.56
Exec Counsel	OWOW Convener	\$ 315.00	128	\$40,320.00
Admin Services Mgr.	Staff Supervision	\$ 222.94	32	\$7,133.95
Sr. Admin Assistant	Contract management	\$ 120.28	72	\$8,659.98
Admin Assistant II	Outreach & Scheduling	\$ 113.32	144	\$16,318.08
Chief Financial Officer	Staff Supervision	\$ 307.39	32	\$9,836.40
Accountant/Project Mgr.	Grant Management	\$ 142.97	512	\$73,199.62
Sr. Accounting Tech	Accounting Support	\$ 108.57	96	\$10,422.72
IS/IT Manager	Staff Supervision	\$ 234.23	80	\$18,738.72
GIS Project Mgr.	Data analysis	\$ 182.98	260	\$47,575.71
Exec Mgr. of Eng.& Ops.	Staff Supervision	\$ 308.84	48	\$14,824.15
Quality Control Manager	Grant Administration	\$ 166.28	192	\$31,925.38
Water Res. & Plan. Manager	Staff Supervision	\$ 271.62	256	\$69,535.87
Sr. Watershed Manager	Plan update coordination	\$ 217.53	160	\$34,804.56
Watershed Manager	Project Manager	\$ 187.57	3,024	\$567,217.73
Sr. Watershed Manager	Plan update coordination	\$ 207.15	160	\$33,144.72
Intern	General support	\$ 47.01	3,120	\$146,666.52
* a 5% increase each fiscal year was applied for budgeting purposes		Totals:	8,596	\$1,247,994.67