NOTICE AND AGENDA
SPECIAL MEETING OF THE
OWOW STEERING COMMITTEE
Thursday, October 20, 2016 – 11:00 a.m.
at SAWPA, 11615 Sterling Avenue, Riverside, CA 92503

AGENDA

1. WELCOME AND INTRODUCTIONS
   Ron Sullivan

2. PUBLIC COMMENTS
   Ron Sullivan
   Members of the public may address the Committee on items within the jurisdiction of the Committee; 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).

3. APPROVE MEETING MINUTES: July 7, 2016
   Recommendation: Approve as posted.

4. NEW BUSINESS
   Mike Antos
   A. Disadvantaged Community Involvement Program (SC#2016.14)
      Recommendation: Approve submittal of a proposal to Department of Water Resources to initiate the Disadvantaged Community Involvement Program in the Santa Ana River Watershed.

   B. New Pillar Chairs (SC#2016.16)
      Recommendation: Approve three new Pillar chairpersons who have volunteered to assist with the OWOW Plan Update 2018 project.

   C. IRWM Planning Grant Submitted, September 29, 2016 (SC#2016.15)
      Recommendation: Receive and file.

   D. SAWPA Strategic Assessment – One Water One Watershed Business Line (SC#2016.13)
      Recommendation: Provide input regarding SAWPA’s Strategic Assessment for the One Water One Watershed Business Line.

   E. Orange County Stakeholder Activities (SC#2016.17)
      Recommendation: Receive and file.

   Larry McKenney
5. **ADJOURNMENT**

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) 354-4230 or kberry@sawpa.org. 48-hour notification prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility to 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 Committee 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](http://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 Friday, October 14, 2016, a copy of this agenda has been uploaded to the SAWPA website at [www.sawpa.org](http://www.sawpa.org) and posted in SAWPA’s office at 11615 Sterling Avenue, Riverside, California. 

/s/ 

Kelly Berry, CMC

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**2016 OWOW Steering Committee Regular Meetings**

(Note: All meetings begin at 11:00 a.m., unless otherwise noted, and are held at SAWPA.)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 28, 2016</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>March 24, 2016</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>May 26, 2016</td>
<td>[Canceled]</td>
</tr>
<tr>
<td>July 7, 2016</td>
<td>[Special]</td>
</tr>
<tr>
<td>July 28, 2016</td>
<td>[Canceled]</td>
</tr>
<tr>
<td>September 22, 2016</td>
<td>[Canceled]</td>
</tr>
<tr>
<td>October 20, 2016</td>
<td>[Special]</td>
</tr>
<tr>
<td>November 17, 2016</td>
<td>Regular Committee Meeting</td>
</tr>
</tbody>
</table>

Meeting date adjusted due to conflicting holiday.

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**2017 OWOW Steering Committee Regular Meetings**

Fourth Thursday of Every Other Month

(Note: All meetings begin at 11:00 a.m., unless otherwise noticed, and are held at SAWPA.)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 1/26/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>March 3/23/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>May 5/25/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>July 7/27/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>September 9/28/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>November 11/16/17</td>
<td>Regular Committee Meeting</td>
</tr>
</tbody>
</table>

* Meeting date adjusted due to conflicting holiday.
Committee Members

Santa Ana Watershed Project Authority Representatives
Ronald W. Sullivan, Convener, Eastern Municipal Water District Absent
Thomas P. Evans, Western Municipal Water District Present

County Supervisor Representatives
Marion Ashley, Riverside County Board of Supervisors Present
Shawn Nelson, Orange County Board of Supervisors Present
Curt Hagman, San Bernardino County Board of Supervisors Absent

County Mayor Representatives
Ron Loveridge, Mayor, City of Riverside Absent
Beth Krom, Councilmember, City of Irvine Present
Jon Harrison, Mayor Pro Tem, City of Redlands Present

Business Committee Representative
Jim Hessler, Director of West Coast Operations, Altman Plants Present

Environmental Committee Representative
Garry Brown, President, Orange County Coastkeeper Present

Regional Water Quality Control Board Representative
Linda Ackerman, Vice Chair, Santa Ana Regional Water Quality Control Board Present

STAFF PRESENT Celeste Cantú; Larry McKenney; Mark Norton; Dean Unger; Mike Antos; Kelly Berry

The OWOW Steering Committee meeting was called to order at 11:09 a.m. by Thomas P. Evans, serving as Convener, at the Santa Ana Watershed Project Authority, 11615 Sterling Ave., Riverside, California.

1. WELCOME AND INTRODUCTIONS

2. PUBLIC COMMENTS
Convener Evans called for public comments. There were no public comments. Greg Woodside, Orange County Water District, referenced correspondence dated July 7, 2016, from OCWD to SAWPA regarding OWOW Prop 1 IRWM Grant Project Eligibility Criteria, which was discussed under Agenda Item No. 6.A.
3. **SEATING OF NEW MEMBERS**
   
   **A. Seating of City of Redlands Mayor Pro Tem Jon Harrison (SC#2016.3)**
   
   Jon Harrison serves as Mayor Pro Tem for the City of Redlands. In December 2015, Mayor Pro Tem Harrison was appointed the San Bernardino Associated Governments (SANBAG) representative to the OWOW Steering Committee. This is a four year term, expiring December 2, 2019. This appointment was previously held by Mayor Patrick J. Morris, City of San Bernardino.

   **MOVED**, recognize City of Redlands Mayor Pro Tem Jon Harrison as a new member of the OWOW Steering Committee for a four year term expiring December 2, 2019.

   **Result:** Adopted (Unanimously; 7-0)
   
   **Motion/Second:** Krom/Ashley
   
   **Ayes:** Ackerman, Ashley, Brown, Evans, Harrison, Krom, Nelson
   
   **Nays:** None
   
   **Abstentions:** None
   
   **Absent:** None
   
   **Non-Voting:** Hessler

   **B. Seating of Environmental Community Representative (SC#2016.6)**

   Mr. Garry Brown, Executive Director and CEO of Orange County Coastkeeper, has served on the OWOW Steering Committee since 2007 as the Environmental Community Representative. His reappointment for an additional four year term will expire July 7, 2020.

   **MOVED**, reappointment Mr. Garry Brown to the Environmental Community Representative seat on the OWOW Steering Committee, for a four year term expiring July 7, 2020.

   **Result:** Adopted (Unanimously; 7-0)
   
   **Motion/Second:** Krom/Ashley
   
   **Ayes:** Ackerman, Ashley, Brown, Evans, Harrison, Krom, Nelson
   
   **Nays:** None
   
   **Abstentions:** None
   
   **Absent:** None
   
   **Non-Voting:** Hessler

   **C. Seating of Business Community Representative (SC#2016.9)**

   Mr. Jim Hessler, Director of West Coast Operations for Altman Plants was recommended for appointment to a four year term as the Business Community Representative. His term will expire July 7, 2020. This appointment was previously held by Mr. Ali Sahabi of SE Corporation.

   **MOVED**, appoint Mr. Jim Hessler, Director of West Coast Operations for Altman Plants, to the Business Community Representative seat on the OWOW Steering Committee, for a four year term expiring July 7, 2020.

   **Result:** Adopted (Unanimously; 8-0)
   
   **Motion/Second:** Krom/Ashley
   
   **Ayes:** Ackerman, Ashley, Brown, Evans, Harrison, Hessler, Krom, Nelson
   
   **Nays:** None
   
   **Abstentions:** None
   
   **Absent:** None
4. CONSENT CALENDAR
   A. Approval of Meeting Minutes: May 28, 2015
   B. Approval of Meeting Minutes: June 18, 2015

   MOVED, approve the Consent Calendar.

   Result: Adopted (Unanimously; 8-0)
   Motion/Second: Krom/Nelson
   Ayes: Ackerman, Ashley, Brown, Evans, Harrison, Hessler, Krom, Nelson
   Nays: None
   Abstentions: None
   Absent: None

The Committee next considered Agenda Item Nos. 6.A. and 6.B.

5. INFORMATIONAL ITEMS

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

   A. Status Report on the Project Agreement 22 Committee (SC#2016.10)
      Mark Norton provided a PowerPoint presentation. Project Agreement 22 (PA22) Committee directs
drought round funding under the Prop 84 IRWM Program. SAWPA and the DWR executed a grant
agreement in July 2015 providing $12,860,110 in grant funding with a $10,645,000 local match.
SAWPA member agencies worked together to provide a program focusing on water use efficiency
covering two main areas: 1) conservation based reporting tools and rate structure implementation;
and, 2) turf removal and retrofits. Presently 10-12 agencies are signed up for rate structure
implementation. There is a web-based reporting tool utilizing OmniEarth and Dropcountr. Aerial
mapping covering the urbanized area of the entire watershed has been created to assist in defining
irrigated and non-irrigated areas, which has become a valuable tool that is being shared with all the
retail water agencies throughout the watershed. This is a joint effort with the Santa Margarita River
Watershed. Funding is being provided over a three-year timespan.

   This presentation was for informational purposes only; no action was taken on Agenda Item No. 5.A.

   B. Bureau of Reclamation Basin Study Update Proposal (SC#2016.11)
      Mike Antos provided a PowerPoint presentation on the Bureau of Reclamation Basin Study Update
Proposal. In June 2016, the SAWPA Commission provided approval for staff to submit a proposal to
the Bureau of Reclamation (Reclamation) for assistance in updating the 2013 Santa Ana Basin Study,
which is part the OWOW 2.0 Plan. This is a cost-share effort with Reclamation and will address new
requirements for the OWOW 2.0 Plan recently instituted. The California Department of Water
Resources (DWR) released draft Integrated Regional Water Management (IRWM) guidelines in January;
final guidelines should be released in the near future.

   Announcement of Reclamation’s funding recommendations is expected by August, 2016. If successful,
SAWPA will cost share 50/50 with Reclamation. There are three primary tasks. 1) SAWPA and
Reclamation will further analyze and prioritize the projected impacts of climate change modeled in the
2013 Santa Ana Basin Plan; 2) the project will present the data from OWOW 2.0, the Basin Study, and
the Basin Study Update to the stakeholders throughout the Santa Ana River Watershed; and, 3) the
effort will fulfill new requirements on OWOW 2.0 associated with, for example, Storm Water
Resources Planning, Groundwater Sustainability Planning, and the Disadvantaged Community
Involvement Program.

   This presentation was for informational purposes only; no action was taken on Agenda Item No. 5.B.
6. **NEW BUSINESS**

A. **Policy Direction Regarding Proposition 1 OWOW Project Eligibility Criteria (SC#2016.12)**

Celeste Cantú provided an oral presentation on Proposition 1 OWOW Project Eligibility Criteria, referring to page 49 of the agenda packet materials and noting the language is consistent with past eligibility criteria (developed with the Stakeholders during 2015 Prop 84 round funding), other than the addition of the following language: “Is an integrated project that benefits the entire watershed or a significant sub-watershed in the region, will be completed with active participation of multiple agencies and/or NGOs or other stakeholders, produces a net benefit to the Watershed, and has no unreasonable negative impacts on others.” Staff proposed moving forward with the eligibility criteria with this minor addition, and continue to develop the grant ranking factors in conjunction with the State’s guidance. Updating the OWOW Plan will begin toward the end of the year, which will provide an opportunity to expound more detailed language. A sentence in the eligibility criteria would most likely be 2-3 pages in the OWOW Plan.

In response to this proposed eligibility criteria, SAWPA staff received written and phone communications from stakeholder members of Orange County with more finely tuned language than that proposed. (A copy of their July 7, 2016 correspondence was provided to the Committee and members of the public.)

Their proposed language is as follows:

- Instead of the language as written “…produces a net benefit to the Watershed…” their proposed language states, “all areas improve together.”
- Instead of the language as written “…has no unreasonable impacts on others.” their proposed language states, “improvements in one areas are not achieved at the expense or detriment of another.”

Mr. Greg Woodside, Orange County Water District, provided a historic context from the standpoint of the Orange County stakeholders. Their continuing concern has focused on the fact that grant dollars, partially funded by Orange County taxpayers, are being utilized for projects that potentially reduce river flow to Orange County. They believe their proposed language better clarifies and addresses this issue from their perspective, whether it is included as part of the eligibility criteria or within a preamble.

A discussion ensued regarding the proposed language and whether this level of specificity should be addressed in the Plan update and not the eligibility criteria. Committee Member Krom inquired whether or not the issue was the language or that somehow in the implementation there is a perception that Orange County has been harmed because of a reduction in the flow. Woodside noted that projects approved for Prop 84 Rounds 1 and 2 raised concerns; however, Round 3 projects have raised no concerns, but the OCWD Board and other OC stakeholders believed this to be the perfect opportunity to address their concerns from earlier rounds.

Krom proposed integrating a preamble statement or cover letter utilizing the following DWR language, “IRWM is a collaborative effort to manage all aspects of water resources in a region. IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, stakeholders, individuals, and groups; and attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions.” And add the following language, “Our goal is to seek benefits which improve the entire watershed and are not achieved at the expense or detriment of another.”

Nelson stated that proposed projects detrimental to other partners should not be funded, and the eligibility criteria should include language stating that a project will not be eligible for funding if it is
detrimental to any other agency – the inability to create a detriment should be added to the funding eligibility.

Convener Evans called for a motion. Ashley moved the item and Jon Harrison seconded to approve the Proposition 1 OWOW grant eligibility criteria as proposed by staff. Ashley clarified his motion included Krom’s proposal to integrate a preamble statement or cover letter.

Staff anticipates providing a progress report to the Committee at the next meeting.

MOVED, approve Proposition 1 OWOW grant eligibility criteria as set forth on page 49 of the agenda packet for this October 4, 2016 meeting, to include a preamble statement or cover letter with the wording, “IRWM is a collaborative effort to manage all aspects of water resources in a region. IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, stakeholders, individuals, and groups; and attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. Our goal is to seek benefits which improve the entire watershed and are not achieved at the expense or detriment of another.”

Result: Adopted (Passed; 7-1)
Motion/Second: Ashley/Harrison
Ayes: Ackerman, Ashley, Brown, Evans, Harrison, Hessler, Krom
Nays: Nelson
Abstentions: None
Absent: None

B. Consideration of the 2016 Chino Basin Storm Water Resources Plan Prepared by the Inland Empire Utilities Agency (SC#2016.8)

Mark Norton noted that the State Water Resources Control Board (SWRCB) requires public agencies to develop a Storm Water Resource Plan as a condition of receiving grant funds from a bond measure for storm water and dry weather runoff capture projects and submit that plan for incorporation into the Integrated Regional Water Management (IRWM) program. To date we have received one plan, from the Inland Empire Utilities Agency who was invited to present the plan to the Steering Committee and request its incorporation into the OWOW 2.0 Plan.

Andy Campbell, Deputy Manager of Planning with Inland Empire Utilities Agency, provided a PowerPoint presentation on adoption of the Chino Basin Storm Water Resources Plan into the OWOW 2.0 Plan. Guidance for Storm Water Resources Plans is established by the SWRCB, which emphasizes watershed collaboration, quantitative prioritization, implementation strategy and schedule, public outreach and participation, checklist and self-certification. Staff has reviewed and provided comments to IEUA’s submission and has provided a letter of support for their grant application for Prop 1 storm water funding. Funding will be utilized for IEUA’s $20 million project to improve flood control facilities and recharge groundwater.

Benefits of including the 2016 Chino Basin Storm Water Resources Plan in the OWOW 2.0 Plan:

- Approach on a watershed scale yielding multiple benefits
- Participation in a regional IRWM
- Coordination with agencies exercising their own authorities and mandates in addressing storm water and dry weather runoff management
- Plan coordinate, support and collaborate among two or more lead local agencies responsible for plan implementation.
MOVED, incorporate the 2016 Chino Basin Storm Water Resources Plan into the Santa Ana River Watershed’s Integrated Regional Water Management Plan, the One Water One Watershed 2.0 Plan.

Result: Adopted (Unanimously; 8-0)
Motion/Second: Nelson/Ashley
Ayes: Ackerman, Ashley, Brown, Evans, Harrison, Hessler, Krom, Nelson
Nays: None
Abstentions: None
Absent: None

The Committee next considered Agenda Item Nos. 5.A. and 5.B.

7. OLD BUSINESS
    None.

8. ADJOURNMENT
    The meeting came to a close at 11:52 a.m.

APPROVED: October 20, 2016

Ronald W. Sullivan, Convener

Attest:

Kelly Berry, CMC, Clerk of the Board
DATE: October 20, 2016

TO: OWOW Steering Committee

SUBJECT: Disadvantaged Community Involvement Program

PREPARED BY: Mike Antos, Watershed Manager

RECOMMENDATION
That the OWOW Steering Committee approve submittal of a proposal to Department of Water Resources to initiate the Disadvantaged Community Involvement Program in the Santa Ana River Watershed.

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 assure the involvement of members of disadvantaged communities in the IRWM process. For the Santa Ana River Watershed, that results in a non-competitive grant of $6.3 million 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 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.

BACKGROUND
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), 3) 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. The attached proposal reflects the best 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 Watershed.

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 Agenda\(^1\) 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.

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\(^1\) 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.

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

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

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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.

<table>
<thead>
<tr>
<th>Population of the Watershed</th>
<th>Total</th>
<th>White</th>
<th>Black</th>
<th>Native American</th>
<th>Asian</th>
<th>Pacific Islander</th>
<th>Mixed</th>
<th>Other</th>
<th>Ethnically Hispanic*</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Total Pop.</td>
<td>5,998,188</td>
<td>3,656,735</td>
<td>299,098</td>
<td>39,730</td>
<td>822,593</td>
<td>20,135</td>
<td>237,781</td>
<td>922,116</td>
<td>2,678,481</td>
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<table>
<thead>
<tr>
<th>Pop. in Disadvantaged Census Tracts</th>
<th>Total</th>
<th>White</th>
<th>Black</th>
<th>Native American</th>
<th>Asian</th>
<th>Pacific Islander</th>
<th>Mixed</th>
<th>Other</th>
<th>Ethnically Hispanic*</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Pop. in Disadvantaged Tracts</td>
<td>1,700,222</td>
<td>977,089</td>
<td>101,335</td>
<td>15,281</td>
<td>144,849</td>
<td>5,395</td>
<td>57,578</td>
<td>398,695</td>
<td>1,060,245</td>
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* 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.

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 unhealthful 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
**APPRAOCH 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. There are approximately 2,066 in Riverside County and 1,100 in the San Bernardino portion of the watershed, with high densities in Fontana, Ontario, San Bernardino, Riverside, and Hemet. 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.

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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 bacterioidales 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 homes.

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.

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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

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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.
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.

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Table 3 Activities</th>
<th>Expected Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strengths &amp; Needs Assessment</td>
<td>Needs Assessments, Community Outreach, Engagement in IRWM Efforts, Governance Structure, Enhancement of DAC aspects of IRWM plans</td>
<td>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.</td>
</tr>
<tr>
<td>Engagement and Education</td>
<td>Education, Community Outreach, Engagement in IRWM Efforts, Facilitation, Technical Assistance, Enhancement of DAC aspects of IRWM plans, Project Development</td>
<td>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.</td>
</tr>
<tr>
<td>Project Development</td>
<td>Engagement in IRWM efforts, Technical Assistance, Enhancement of DAC aspects of IRWM plans, Project Development</td>
<td>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.</td>
</tr>
</tbody>
</table>

**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 Podolske - Director, Office of Community Engagement, CSU San Bernardino**

Ms. Podolske 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 Zykosky 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:
  o Trainings for community members, local elected officials, and water agencies begin

• March 2018:
  o Strengths & Needs Assessment complete
  o Technical Assistance for identified projects begins

• April 2018: OWOW Plan Update 2018 Complete

• June 2018:
  o Strengths & Needs Report Issued
  o State of the Watershed Conference 2018

• January 2019:
  o Trainings continue
  o Technical assistance continues

• April 2019: Layperson’s Guide (or equivalent) complete & distributed

• June 2019:
  o Trainings complete
  o Technical assistance complete

• August 2019
  o Engagement Internship Program complete

• October 2019
  o Translation Contractor Complete
  o Grant-supported component of Trust the Tap Campaign Complete

• November 2019
  o DACI TAC Final Meeting
  o Report out to Pillar Workshop, OWOW Steering Committee, SAWPA Commission

• December 2019 – Program Complete
# PROPOSITION 1 – DACI PROGRAM GRANT

## Task Name

- **Grant Administration**
- **DACI TAC Meetings**
- **Pillar Workshops**
- **Strengths & Needs Assessment**
- **Engage Local Elected Leaders**
- **Engage Mutual Water Cos.**
- **Engage Water Agencies**
- **Conduct Watershed Tour**
- **Engage Water Environment**
- **Engage Water Ethnography**
- **Healthcare & Water Symposium**
- **Engage & Education**
- **Training & Education**
- **Trust the Tap Campaign**
- **Stakeholder Engagement**
- **Engage Disadvantaged Community**
- **Local Elected Leader Training**
- **Water Action Fellows**
- **Project Development**
- **Technical Assistance for project development**
- **OWW Plan Update**

## Timeline

<table>
<thead>
<tr>
<th>Year</th>
<th>Qtr 1</th>
<th>Qtr 2</th>
<th>Qtr 3</th>
<th>Qtr 4</th>
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<tbody>
<tr>
<td>2017</td>
<td></td>
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</tr>
<tr>
<td>2018</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2019</td>
<td></td>
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</tbody>
</table>

### Project Schedule

- **Start Date:** Tue 1/3/17
- **Finish Date:** Mon 4/23/18

### Key Events

- **Dedication Ceremony:** Mon 4/23/18

---

**Santa Ana Watershed Project Authority**

**Regional Water Management Group**

**Santa Ana Funding Region**

**Disadvantaged Community Involvement Program**

Proposal Submitted: November 2016
F. Budget:

**Task Budget**

<table>
<thead>
<tr>
<th>Element #</th>
<th>Activity #</th>
<th>Element / Activity Name</th>
<th>Cost</th>
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<tr>
<td>PE 0</td>
<td></td>
<td>Grant Administration</td>
<td>$ 315,000</td>
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<td>PE 1</td>
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<td><strong>Strengths &amp; Needs Assessment</strong></td>
<td>$ 699,403.05</td>
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<td>1</td>
<td>DACI Technical Advisory Committee</td>
<td>$ 114,172</td>
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<td>DAC / Tribal Pillar</td>
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<td>3</td>
<td>Engage Local Elected Leaders</td>
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<td></td>
<td>4</td>
<td>Engage Mutual Water Companies</td>
<td>$ 50,745</td>
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<td></td>
<td>5</td>
<td>Engage Water Agencies</td>
<td>$ 48,098</td>
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<td>6</td>
<td>Community Listening Sessions</td>
<td>$ 90,669</td>
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<td>7</td>
<td>Community Water Ethnography</td>
<td>$ 216,768</td>
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<td>8</td>
<td>Homelessness &amp; Water Convening</td>
<td>$ 56,509</td>
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<tr>
<td>PE 2</td>
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<td><strong>Engagement / Education</strong></td>
<td>$ 1,845,353.98</td>
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<td>Tribal Consultation</td>
<td>$ 150,216</td>
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<td>Trust the Tap Campaign</td>
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<td>Translation Services</td>
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<td>Laypersons Guide</td>
<td>$ 91,886</td>
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<td>13</td>
<td>State of the Watershed Conferences</td>
<td>$ 146,161</td>
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<td>14</td>
<td>Community Water Education</td>
<td>$ 101,827</td>
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<td>15</td>
<td>Water Agency Engagement Training</td>
<td>$ 126,661</td>
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<td>Local Elected Leader Training</td>
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<td>Community Engagement Interns Program</td>
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<td>PE 3</td>
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<td><strong>Project Development</strong></td>
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<td>Technical Assistance / Project Implementation</td>
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<td>19</td>
<td>OWOW Plan Update 2018</td>
<td>$ 119,368</td>
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<td><strong>Total Actuals</strong></td>
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<td><strong>Total Expected</strong></td>
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<td><strong>Difference</strong></td>
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**SAWPA Chart of Accounts Budget**

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<thead>
<tr>
<th>Revenues</th>
<th>Grant Total</th>
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<tr>
<td>State Grant Proceeds</td>
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<td>LAIF Interest</td>
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<td>Member Agency Contribution</td>
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<td>Misc Revenue</td>
<td>$ -</td>
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<tr>
<td>Operating Transfers</td>
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<tr>
<td><strong>Total Revenue</strong></td>
<td>$ 6,300,000</td>
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<table>
<thead>
<tr>
<th>Expenses</th>
<th></th>
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<tbody>
<tr>
<td>Salaries</td>
<td>$ 414,478</td>
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<td>Benefits</td>
<td>$ 173,666</td>
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<td>G&amp;A costs</td>
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<td>Consulting</td>
<td>$ 4,855,605</td>
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<td>Other Contract Services</td>
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<tr>
<td>Materials &amp; Supplies</td>
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<tr>
<td>Software</td>
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<tr>
<td>Internet Services</td>
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<td>Offsite Meeting / Travel</td>
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<td>Conference Expenses</td>
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<td>Dues</td>
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<td>Shipping/Postage</td>
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<tr>
<td>Office Supplies</td>
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<td>Other Expenses</td>
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<td><strong>Total Expense</strong></td>
<td>$ 6,300,000</td>
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# SAWPA Personnel Budget

<table>
<thead>
<tr>
<th>SAWPA Staff Title</th>
<th>Role</th>
<th>Final Year Rate*</th>
<th>Hours</th>
<th>Budget</th>
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<tbody>
<tr>
<td>General Manager</td>
<td>Project Director</td>
<td>$ 420.25</td>
<td>280</td>
<td>$117,670.56</td>
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<tr>
<td>Exec Counsel</td>
<td>OWOW Convener</td>
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<tr>
<td>Admin Services Mgr.</td>
<td>Staff Supervision</td>
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<tr>
<td>Sr. Admin Assistant</td>
<td>Contract management</td>
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<td>Admin Assistant II</td>
<td>Outreach &amp; Scheduling</td>
<td>$ 113.32</td>
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<td>Chief Financial Officer</td>
<td>Staff Supervision</td>
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<td>Accountant/Project Mgr.</td>
<td>Grant Management</td>
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<td>Sr. Accounting Tech</td>
<td>Accounting Support</td>
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<td>IS/IT Manager</td>
<td>Staff Supervision</td>
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<td>GIS Project Mgr.</td>
<td>Data analysis</td>
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<tr>
<td>Exec Mgr. of Eng. &amp; Ops.</td>
<td>Staff Supervision</td>
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<td>Quality Control Manager</td>
<td>Grant Administration</td>
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<td>Water Res. &amp; Plan. Manager</td>
<td>Staff Supervision</td>
<td>$ 271.62</td>
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<td>$69,535.87</td>
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<tr>
<td>Sr. Watershed Manager</td>
<td>Plan update coordination</td>
<td>$ 217.53</td>
<td>160</td>
<td>$34,804.56</td>
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<td>Watershed Manager</td>
<td>Project Manager</td>
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<td>Sr. Watershed Manager</td>
<td>Plan update coordination</td>
<td>$ 207.15</td>
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<td>$33,144.72</td>
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<td>Intern</td>
<td>General support</td>
<td>$ 47.01</td>
<td>3,120</td>
<td>$146,666.52</td>
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</table>

* a 5% increase each fiscal year was applied for budgeting purposes

Totals: 8,596 $1,247,994.67
DATE: October 20, 2016

TO: OWOW Steering Committee

SUBJECT: New Pillar Chairs

PREPARED BY: Mike Antos, Watershed Manager

RECOMMENDATION
That the OWOW Steering Committee approve three new Pillar chairpersons who have volunteered to assist with the OWOW Plan Update 2018 project.

DESCRIPTION
Four of the ten Pillar chairs are currently vacant. Three new volunteers have been recruited to assist in those roles; they are **bolded** within the list below.

- Beneficial Use Assurance Pillar – Michael Markus
- **Disadvantaged Community / Tribal Pillar** – Susan Longville (SGVMWD)
- Energy and Environmental Impact Response Pillar – Craig Perkins
- Land Use and Water Planning – Vacant
- **Natural Resources Stewardship** – Jeff Beehler (SBVWCD)
- Operational Efficiency and Water Transfers – John Rossi
- **Stormwater: Resource and Risk Management** – Jason Uhley (RCFCWCD)
- Water Conveyance and Transport – Doug Headrick
- Water Resource Optimization – Paul Jones
- Water Use Efficiency – Joe Grindstaff

BACKGROUND
The Pillar chairpersons serve to coordinate collaborative OWOW Plan update efforts within their topical expertise. The OWOW Plan Update 2018 project will require varying levels of engagement by all of the Pillars and their respective workgroups as the plan is updated for both compliance and to account for developments in the Watershed since the OWOW 2.0 Plan was approved in 2014.
OWOW STEERING COMMITTEE MEMORANDUM NO. 2016.15

DATE: October 20, 2016

TO: OWOW Steering Committee

SUBJECT: IRWM Planning Grant Submitted, September 29, 2016

PREPARED BY: Mike Antos, Watershed Manager

RECOMMENDATION
That the OWOW Steering Committee receive and file this update about the Proposition 1 Planning Grant Proposal submitted by SAWPA on September 29, 2016.

DESCRIPTION
Following earlier informational presentations to the Steering Committee, and due to the September meeting being rescheduled, SAWPA Commission acted to authorize the submittal of an IRWM Planning Grant application on behalf of the OWOW program.

BACKGROUND
In July 2016 Department of Water Resources (DWR) released two 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 just as it was under the Proposition 84 Integrated Regional Water Management Program. In total, Proposition 1 authorized $510,000,000 for projects included and implemented in an adopted Integrated Regional Water Management Plan, such as the One Water One Watershed (OWOW) 2.0 Plan. Like Proposition 84, funding is allocated by Funding Areas. SAWPA and the Santa Ana River Watershed, in the Santa Ana Funding Area, received a Proposition 1 allocation of $63,000,000. The $63,000,000 will be available to the Santa Ana River Watershed in various grant solicitations administered by DWR.

A total of $5 million is provided statewide for the 2016 IRWM Planning Grant program. This grant is highly competitive with preference going to new IRWM regions without existing IRWM plans (we think $3 million will be allocated to new planning processes). Our previous OWOW Planning Grant submittal was highly rated by State reviewers, receiving a perfect score. Absent the grant, the updates must still occur to the OWOW Plan to assure compliance with the standards.

2016 Planning Program
Proposition 1 and other IRWM related legislation have changed the IRWM Plan Standards, and IRWM plans must comply with the new standards prior to being eligible for future implementation rounds. The Proposition 1 IRWM Planning Grant is intended to support the creation of new IRWM Plans, and the update of existing IRWM plans across the state. For an IRWM plan update, a maximum of $250,000 is available per funding region, and must be matched at a 50% local cost.
share. The term of the grant would be over two years with an anticipated start date of January 2017.

An overview of the proposed scope of work is as follows:

- OWOW Plan must meet the 2016 IRWM Plan standards before the region can access Prop 1 implementation grants
- Prop 1 IRWM implementation grant opportunities are expected to start in early 2018
- Required updates are:
  - Addressing Sustainability Groundwater Management Act (AB 1739, SB 1168, SB 1319) and Stormwater Resource Management Plans (SB 985)
  - Further defining groundwater contamination (nitrate, arsenic, perchlorate and hex chromium) locations, plans to manage per (AB 1249)
  - New IRWM Plan Standards for climate vulnerabilities prioritization, GHG reduction, energy conservation, carbon sequestration
  - Considering the three new 2013 CA Water Plan Resource Management Strategies for possible incorporation into OWOW plan (Sediment Management, Outreach & Engagement, and Water & Culture)
- Required process items:
  - Community engagement during update
  - Links to the Disadvantaged Community Involvement Program (including Tribal consultation)

Attachments:
1. Work Plan Attachment of Submitted Planning Grant Application
2. Budget Attachment of Submitted Planning Grant Application
Work Plan

The proposed OWOW Plan Update 2018 will result in an adopted Plan that complies with the 2016 IRWM Plan Standard requirements (see table, following pages). There are three objectives of the Plan update, that once accomplished will improve the region’s integrated water resource planning efforts. First, up-to-date data and policies regarding climate change impacts and water quality will be incorporated. Second, processes and methods will be developed for incorporating and integrating the work of Sustainable Groundwater Management efforts, Stormwater Resources Management planning and subregional and urban water management plans in the OWOW Plan Update 2018. Third, the Disadvantaged Community Involvement Program will improve and apply best-practices for engaging members of overburdened communities in integrated water planning, and assure the integrated water needs identified by members of overburdened communities are incorporated in the Plan.

The OWOW Plan Update 2018 will follow the award-winning stakeholder-driven processes and decision-making of the OWOW planning process. SAWPA will gather and facilitate technical workgroups to focus on sections of the plan that require updates. As in the past, a combination of SAWPA staff, SAWPA member agency staff, stakeholders, community members and consultants will work collaboratively on the OWOW Plan Update 2018 scope of work.

This work will strengthen the region’s water planning in three ways. First, and most fundamentally, the process of gathering and working collaboratively on the plan update is itself an important outcome. Shared effort and increased familiarity strengthens governance and decision-making for positive watershed-wide change. Second, by updating data related to water quality and climate change at the regional scale the OWOW Plan Update 2018 will be a resource that can strengthen individual and collective work throughout the watershed. Third, by developing systems for incorporating new or related planning efforts, the integration objective at the core of OWOW will be enhanced. For example, Stormwater Resources Management Planning efforts are ramping up throughout the watershed, and the important planning and data-gathering imbedded in those efforts demands a sophisticated mechanism for incorporation in the integrated water management planning process.

Finally, the OWOW Plan Update 2018, by incorporating these changed sections, will result in a more integrated and comprehensive call for implementation projects for the upcoming Proposition 1 funding rounds. By focusing on water quality, climate change, overburdened communities and governance, the OWOW Plan Update 2018 project will benefit the sustainability and resilience of the Santa Ana River Watershed and its communities.

Below is a table that shows how the existing OWOW 2.0 Plan complies with many of the 2016 IRWM Plan Standards. Standards where updates are required are in shaded cells in the table, and describe how the proposed OWOW Plan Update 2018 will achieve compliance with the Standards.
### GOVERNANCE

<table>
<thead>
<tr>
<th>2016 IRWM Plan Standards and Guidelines</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RWMG and individual project proponents who adopted the Plan</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 2.1</td>
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<tr>
<td>Description of IRWM governance structure including a discussion of whether or how Native American tribes will participate in the RWMG.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 2.1</td>
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<tr>
<td>Description of how chosen form of governance address and insures:</td>
<td>✓ OWOW 2.0 meets this 2012 standard; however, this section will be updated to the 2016 standards by including collaborative processes to include Stormwater Resources Management Plan (SRMP) and Sustainable Groundwater Management Plans in the watershed. In addition, the references to disadvantaged communities in this chapter will be updated.</td>
<td>Chs. 2.1, 2.2, 2.3, Plan Update Task 6</td>
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<tr>
<td>• Public outreach and involvement process</td>
<td></td>
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<tr>
<td>• Effective decision making</td>
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<tr>
<td>• Balanced access and opportunity for participation in the IRWM process</td>
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</tr>
<tr>
<td>• Effective Communication – both internal and external to the IRWM region</td>
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<tr>
<td>• Long term implementation of the IRWM Plan</td>
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<tr>
<td>• Coordination with neighboring IRWM efforts and State and federal agencies</td>
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<tr>
<td>• The collaborative process(es) used to establish plan objectives</td>
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<tr>
<td>• How interim changes and formal changes to the IRWM Plan will be performed</td>
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</tr>
<tr>
<td>• Updating or amending the IRWM Plan</td>
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</table>

### REGION DESCRIPTION

<table>
<thead>
<tr>
<th>2016 IRWM Plan Standards and Guidelines</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW: Describe and explain how the plan will help reduce dependence on the Delta supply regionally. Updated Code Citation for the requirement: Public Resource Code § 29700-29716.</td>
<td>➤ The OWOW Plan Update 2018 will reflect the updated code citation, and any appropriate related changes throughout.</td>
<td>Ch. 3, Plan Update Task 4</td>
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<tr>
<td>Describe watersheds and water systems</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 3.0</td>
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<td>Describe internal boundaries</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Chs. 1.4, 3.0</td>
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<tr>
<td>Describe water supplies and demands for minimum 20 year planning horizon</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Chs. 3.0, 5.4</td>
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<tr>
<td>Describe social and cultural makeup, including specific information on DAC’s and tribal communities in the region and their water challenges</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Chs. 3.0, 5.11</td>
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<tr>
<td>Describe major water related objectives and conflicts</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Chs. 2.3, 3.0, 4.1, 4.2, 5.1, 5.10</td>
</tr>
<tr>
<td>Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 3.0</td>
</tr>
<tr>
<td>Describe neighboring and/or overlapping IRWM efforts</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Chs. 3.0, 2.3</td>
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<tr>
<td>Explain how opportunities are maximized (e.g. people at the table, natural features, infrastructure)for integration of water management activities</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Chs. 2.3, 3.0, 5.10, 5.14</td>
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<tr>
<td><strong>2016 IRWM Plan Standards and Guidelines</strong></td>
<td><strong>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</strong></td>
<td><strong>Reference (OWOW Plan Chapters and Tasks in Work Plan)</strong></td>
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<tr>
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</tr>
<tr>
<td>Guideline with additional detail: Describe water quality conditions. Additional detail pertaining to AB 1249: “If the IRWM region has areas of nitrate, arsenic, perchlorate, or hexavalent chromium contamination, the Plan must include a description of location, extent, and impacts of the contamination; actions undertaken to address the contamination, and a description of any additional actions needed to address the contamination (Water Code § 10541(e)(14)).”</td>
<td>✓ The description of the potential effects of climate change on the region, as determined from the vulnerability assessment in OWOW 2.0, will be updated and included in the Region Description of the OWOW Plan Update 2018.</td>
<td>Plan Update task 8</td>
</tr>
<tr>
<td>NEW: Describe likely Climate Change impacts on their region as determined from the vulnerability assessment.</td>
<td></td>
<td>Ch. 5.13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Appendix F2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plan Update Task 7</td>
</tr>
</tbody>
</table>

**PLAN OBJECTIVES**

7 Items on page 49 of Guidelines are Addressed

<table>
<thead>
<tr>
<th>How the OWOW 2.0 Plan meets this standard.</th>
<th>Reference (Chs. 4.1, 4.2, 4.3, 5.4, 5.5, 5.9, 5.10, 5.11)</th>
</tr>
</thead>
</table>
| Describe the collaborative process and tools used to establish objectives:  
  - How the objectives were developed  
  - What information was considered  
  - What groups were involved in the process  
  - How the final decision was made and accepted by the IRWM effort | ✓ OWOW 2.0 meets this standard. |
| Identify quantitative or qualitative metrics and measureable objectives:  
  - Objectives must be measurable - there must be some metric the IRWM region can use to determine if the objective is being met as the IRWM Plan is implemented. Neither quantitative nor qualitative metrics are considered inherently better | ✓ OWOW 2.0 meets this standard. |
| Explain how objectives are prioritized or reason why the objectives are not prioritized | ✓ OWOW 2.0 meets this standard. |
| Reference specific overall goals for the region | ✓ OWOW 2.0 meets this standard. | Ch. 4.2 |
| | | Chs. 4.1, 4.2, 4.3 |
### 2016 IRWM Plan Standards and Guidelines

<table>
<thead>
<tr>
<th>NEW: Climate change adaption and mitigation requirements:</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge</td>
<td>✓ Plan Objectives section will be updated to reflect changes on-the-ground in the region, or in response to other changes required by these standards.</td>
<td>• Plan Update Task 4 and 7</td>
</tr>
<tr>
<td>• Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.</td>
<td></td>
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</tr>
<tr>
<td>• Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.</td>
<td></td>
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<tr>
<td>• Consider the strategies adopted by CARB in its AB 32 Scoping Plan1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Consider options for carbon sequestration and using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### RESOURCE MANAGEMENT STRATEGIES (RMS)

<table>
<thead>
<tr>
<th>Address which RMS will be implemented in achieving IRWM Plan Objectives</th>
<th>✓ OWOW 2.0 meets this standard.</th>
<th>Ch. 5.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guideline with additional detail: Consider all California Water Plan (CWP) RMS criteria listed in the Table 3 from CWP Update 2013. Identify RMS incorporated in the IRWM Plan.</td>
<td>✓ OWOW 2.0 plan includes evaluation of the 29 previous RMS. The three additional RMS criteria (Sediment Management, Outreach and Engagement, and Water Culture) will be analyzed for incorporation.</td>
<td>Ch 5.2 Plan Update Task 6</td>
</tr>
<tr>
<td>Guideline with additional detail: Consideration of climate change effects on the IRWM region must be factored into RMS. Additional detail - Identify and implement, using vulnerability assessments and tools such as those provided in the Climate Change Handbook, RMS and adaptation strategies that address region-specific climate change impacts.</td>
<td>✓ The OWOW 2.0 meets this standard in terms of the consideration of climate change effects on the IRWM region. OWOW Plan Update 2018 will consider how the existing and updated RMS called out in the plan have a role in adaptation and mitigation efforts, and how specific RMS can diminish vulnerabilities.</td>
<td>Plan Update Task 7</td>
</tr>
</tbody>
</table>

### INTEGRATION

<p>| Contains structure and processes for developing and fostering integration: | ✓ OWOW 2.0 meets this standard. | Chs. 2.1, 2.2, 2.3, 5.3, 5.14 |
| Stakeholder/institutional | | |
| Resource | | |
| Project Implementation | | |</p>
<table>
<thead>
<tr>
<th>2016 IRWM Plan Standards and Guidelines</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT REVIEW PROCESS</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 6.0</td>
</tr>
<tr>
<td>Process for projects included in IRWM plan must address 3 components:</td>
<td></td>
<td></td>
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<tr>
<td>• Procedures for submitting projects</td>
<td></td>
<td></td>
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<tr>
<td>• Procedures for reviewing projects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Procedures for communicating lists of selected projects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does the project review process in the plan incorporate the following factors:</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 6.0</td>
</tr>
<tr>
<td>• How a project contributes to plan objectives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• How a project is related to RMS identified in the plan</td>
<td></td>
<td></td>
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<tr>
<td>• Technical feasibility of a project</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• A projects specific benefits to a DAC water issue</td>
<td></td>
<td></td>
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<tr>
<td>• Environmental Justice considerations</td>
<td></td>
<td></td>
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<tr>
<td>• Projects costs and financing</td>
<td></td>
<td></td>
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<tr>
<td>• Address economic feasibility</td>
<td></td>
<td></td>
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<tr>
<td>• Project status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Strategic implementation of plan and project merit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Status of the Project Proponent’s IRWM plan adoption</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Project’s contribution to reducing dependence on Delta supply</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guideline with additional detail: Project’s contribution to climate change adaptation.</td>
<td>✓ The Project Review Process section will be updated to reflect these additional guidelines</td>
<td>Plan Update Task 7</td>
</tr>
<tr>
<td>• Include potential effects of Climate Change on the region and consider if adaptations to the water management system are necessary</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Consider the contribution of the project to adapting to identified system vulnerabilities to climate change effects on the region.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Consider changes in the amount, intensity, timing, quality and variability of runoff and recharge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Consider the effects of SLR on water supply conditions and identify suitable adaptation measures.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guideline with additional detail: Contribution of project in reducing GHGs compared to project alternatives.</td>
<td>✓ The Project Review Process section will be updated to reflect these additional guidelines</td>
<td>Plan Update Task 7</td>
</tr>
<tr>
<td>• Consider the contribution of the project in reducing GHG emissions as compared to project alternatives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Consider a project’s ability to help the IRWM region reduce GHG emissions as new projects are implemented over the 20-year planning horizon.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEW: Specific benefits to critical water issues for Native American tribal communities.</td>
<td>✓ This new guideline will be addressed.</td>
<td>Plan Update Task 9</td>
</tr>
</tbody>
</table>

IMPACTS AND BENEFITS

Discuss potential impacts and benefits of plan implementation within IRWM region, between regions, with DAC/EJ concerns and Native American Tribal communities | ✓ OWOW 2.0 meets this standard. | Ch. 7.0 |
<table>
<thead>
<tr>
<th>2016 IRWM Plan Standards and Guidelines</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State when a more detailed project-specific impact and benefit analysis will occur</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Chs. 6.0, 9.0</td>
</tr>
<tr>
<td>Review and update the impacts and benefits section of the plan as part of the normal plan management activities</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Chs. 6.0, 9.0</td>
</tr>
</tbody>
</table>

**PLAN PERFORMANCE AND MONITORING**

| Contain performance measures and monitoring methods to ensure that IRWM objectives are met | ✓ OWOW 2.0 meets this standard. | ▪ Chs. 4.2, 4.3, 9.0 |
| Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects. | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |
| Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements. | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 2.1 |
| NEW: Contain policies and procedures that promote adaptive management and, as more effects of Climate Change manifest, new tools are developed, and new information becomes available, adjust IRWM plans accordingly. | ✓ OWOW Plan Update 2018 will strengthen items included in OWOW 2.0 to assure promotion of adaptive management to confront manifest effects of climate change, encourage new tool development, and mechanisms to include new information and adjust the plan. | ▪ Plan Update Task 7 |

**DATA MANAGEMENT**

| Describe data needs within the IRWM region | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |
| Describe typical data collection techniques | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |
| Describe stakeholder contributions of data to a data management system | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |
| Describe the entity responsible for maintaining data in the data management system | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |
| Describe the QA/QC measures for data | ✓ OWOW 2.0 meets this standard. | ▪ Chs. 6.0, 9.0 |
| Explain how data collected will be transferred or shared between members of the RWMG and other interested parties throughout the IRWM region, including local, State, and federal agencies | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |
| Explain how the Data Management System supports the RWMG's efforts to share collected data | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |
| Outline how data saved in the data management system will be distributed and remain compatible with State databases including CEDEN, Water Data Library (WDL), CASGEM, California Environmental Information Catalog (CEIC), and the California Environmental Resources Evaluation System (CERES) | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 9.0 |

**FINANCE**

<p>| Include a programmatic level plan for implementation and financing of identified projects and programs including the following: | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 8.0 |
| List known, as well as, possible funding sources, programs, and grant opportunities for the development and ongoing funding of the IRWM Plan | ✓ OWOW 2.0 meets this standard. | ▪ Ch. 8.0 |</p>
<table>
<thead>
<tr>
<th>2016 IRWM Plan Standards and Guidelines</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• List the funding mechanisms, including water enterprise funds, rate structures, and private financing options, for projects that implement the IRWM Plan.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 8.0</td>
</tr>
<tr>
<td>• An explanation of the certainty and longevity of known or potential funding for the IRWM Plan and projects that implement the Plan.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 8.0</td>
</tr>
<tr>
<td>• An explanation of how operation and maintenance (O&amp;M) costs for projects that implement the IRWM Plan would be covered and the certainty of operation and maintenance funding.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 8.0</td>
</tr>
</tbody>
</table>

**TECHNICAL ANALYSIS**

| Document the data and technical analyses that were used in the development of the IRWM plan | ✓ OWOW 2.0 meets this standard. | Ch. 9.0 |

**LOCAL WATER PLANNING**

| Identify a list of local water plans used in the IRWM plan | ✓ OWOW 2.0 meets this standard. | Ch. 1.4 |
| Describe the dynamics between the IRWM plan and other planning documents | ✓ OWOW 2.0 meets this standard. | Ch. 1.4 |
| Describe how the RWMG will coordinate its water management planning activities | ✓ OWOW 2.0 meets this standard. | Ch. 1.4, 2.3, 5.4, 5.10 |

Guideline with additional detail: Discuss how the plan relates to these other planning documents and programs. Additional GL: “It should be noted that Water Code § 10562 (b)(7) requires the development of a stormwater resource plan and compliance with these provisions to receive grants for stormwater and dry weather runoff capture projects. Upon development of the stormwater resource plan, the RWMG shall incorporate it into IRWM plan. The IRWM Plan should discuss the processes that it will use to incorporate such plans.”

The OWOW 2.0 meets this standard in terms of discussion of how the plan relates to these other planning documents and programs. The additional detail will be addressed and included.

| NEW: Consider and incorporate water management issues and climate change adaptation and mitigation strategies from local plans into the IRWM Plan. | ✓ The Local Water Planning section will be updated to reflect these new guidelines in the OWOW Plan Update 2018. | Plan Update Task 6 |

**LOCAL LAND USE PLANNING**

| Document current relationship between local land use planning, regional water issues, and water management objectives | ✓ OWOW 2.0 meets this standard. | Ch. 5.7 |
| Document future plans to further a collaborative, proactive relationship between land use planners and water managers | ✓ OWOW 2.0 meets this standard. | Ch. 5.7 |
| NEW: Demonstrate information sharing and collaboration with regional land use planning in order to manage multiple water demands throughout the state, adapt water management systems to climate change, and potentially offset climate change impacts to water supply in California. | ✓ This new guideline will be addressed in the OWOW Plan Update 2018. | Ch. 5.13 Plan Update Task 10 |

**STAKEHOLDER INVOLVEMENT**

<p>| Discuss involvement of DACs and tribal communities in the IRWM planning effort | ✓ OWOW 2.0 meets this standard. | Chs. 2.1, 2.2, 6, 9, 5.11 |
| Describe decision-making process and roles that stakeholders can occupy | ✓ OWOW 2.0 meets this standard. | Chs. 2.1, 2.2 |</p>
<table>
<thead>
<tr>
<th>2016 IRWM Plan Standards and Guidelines</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
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</thead>
<tbody>
<tr>
<td>Discuss how stakeholders are necessary to address objectives and RMS</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Chs. 2.1, 2.2</td>
</tr>
<tr>
<td>Discuss how a collaborative process will engage a balance in interest groups</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Chs. 2.1, 2.2, 2.3</td>
</tr>
<tr>
<td>Guideline with additional detail: Contain a public process that provides outreach and opportunity to participate in the IRWM plan. Addition GL: “Native American tribes – It should be noted that tribes are sovereign nations, and as such coordination with tribes is on a government-to-government basis.”</td>
<td>➢ The Stakeholder Involvement section will be updated to address this additional detail and will be included</td>
<td>▪ Ch. 2.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Plan Update Task 9 &amp; 10</td>
</tr>
<tr>
<td>Guideline with additional detail: Identify process to involve and facilitate stakeholders during development and implementation of IRWM plan regardless of ability to pay; include description of any barriers to involvement. &quot;Stakeholder Involvement” in the 2012 GL is referred to &quot;Native American Tribe and Stakeholder Involvement” in the 2016 GL and Tribes are referred to specifically.</td>
<td>➢ The Stakeholder Involvement section will be updated to address this additional detail and will be included</td>
<td>▪ Ch.2.1</td>
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<tr>
<td></td>
<td></td>
<td>▪ Plan Update Task 9 &amp; 10</td>
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<tr>
<td><strong>COORDINATION</strong></td>
<td></td>
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</tr>
<tr>
<td>Identify the process to coordinate water management projects and activities of participating local agencies and stakeholders to avoid conflicts and take advantage of efficiencies</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Ch. 2.3</td>
</tr>
<tr>
<td>Identify neighboring IRWM efforts and ways to cooperate or coordinate, and a discussion of any ongoing water management conflicts with adjacent IRWM efforts</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Chs. 2.3, 5.10</td>
</tr>
<tr>
<td>Identify areas where a state agency or other agencies may be able to assist in communication or cooperation, or implementation of IRWM Plan components, processes, and projects, or where State or federal regulatory decisions are required before implementing the projects.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Ch. 5.12</td>
</tr>
<tr>
<td><strong>CLIMATE CHANGE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contain a plan, program, or methodology for further data gathering and analysis of prioritized vulnerabilities.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Ch. 5.13</td>
</tr>
<tr>
<td>Include climate change as part of the project review process.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>▪ Ch. 5.13</td>
</tr>
<tr>
<td>Guideline with additional detail: Evaluate IRWM region’s vulnerabilities to climate change and potential adaptation responses based on vulnerabilities assessment in the DWR Climate Change Handbook for Regional Water Planning. Addition in 2016 GL - “At a minimum, the vulnerability evaluation must be equivalent to the vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning, Section 4 and Appendix B.”</td>
<td>➢ The Climate Change section will be updated to address this additional detail</td>
<td>▪ Ch. 5.13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▪ Plan Update Task 7</td>
</tr>
<tr>
<td>Guideline with additional detail: Provide a process that considers GHG emissions when choosing between project alternatives. Addition in 2016 GL – “At a minimum, that process must determine a project’s ability to help the IRWM region reduce GHG emissions as new projects are implemented over 20-year planning horizon and consider energy efficiency and reduction of GHG emission when choosing between project alternatives.”</td>
<td>➢ The Climate Change section will be updated to address this additional detail</td>
<td>▪ Plan Update Task 7</td>
</tr>
</tbody>
</table>
### 2016 IRWM Plan Standards and Guidelines

<table>
<thead>
<tr>
<th>Requirement</th>
<th>How the OWOW 2.0 Plan meets the current standards and Guidelines that Needs to be Addressed in the OWOW Plan Update 2018</th>
<th>Reference (OWOW Plan Chapters and Tasks in Work Plan)</th>
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<tbody>
<tr>
<td>Same requirement with additional detail: Include a list of prioritized vulnerabilities based on the vulnerability assessment and the IRWM’s decision making process. Addition in 2016 GL - &quot;A list of prioritized vulnerabilities which includes a determination regarding the feasibility for the RWMG to address the priority vulnerabilities.&quot;</td>
<td>✓ The Climate Change section will be updated to address this additional detail and will be included</td>
<td>Plan Update Task 7</td>
</tr>
<tr>
<td>NEW: Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 5.13</td>
</tr>
<tr>
<td>NEW: Areas of the State that receive water imported from the Sacramento-San Joaquin River Delta, the area within the Delta, and areas served by coastal aquifers must also consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.</td>
<td>✓ OWOW 2.0 meets this standard.</td>
<td>Ch. 5.13</td>
</tr>
</tbody>
</table>

### Current Status of IRWM Plan:

The OWOW 2.0 Plan is a living document, hosted on the SAWPA website (www.sawpa.org/owow). In 2016, the OWOW Steering Committee, SAWPA Commission, and watershed stakeholders met multiple times to incorporate the Chino Basin Stormwater Resources Management Plan, and to initiate discussion about the scope and preparation of this application, and to develop the Disadvantaged Community Involvement Program.

The work of the OWOW participants, described above, is ongoing, through locally-funded effort to execute the OWOW 2.0 Plan. The OWOW Steering Committee meets every-other month to consider items requiring action. On alternating months the OWOW Pillars (advisors and advisory topical workgroups) meet for “Pillar Integration Workshops” where topics relevant to execution of the OWOW 2.0 Plan are covered, and integrative dialog is facilitated.

The OWOW 2.0 Plan contains many projects previously identified for and awarded funding under Proposition 84 funding rounds, which are currently being implemented across the watershed, including the $100 million Santa Ana River Conservation and Conjunctive Use Program.

A locally-funded Santa Ana Watershed Conference is being planned for Spring 2017. Objectives for the event include gathering stakeholders and community members from across the watershed to consider issues related to community vulnerability and the current and future value of resilient integrated water resources management.
Proposed Work:

A) Project Administration

SAWPA staff will administer the OWOW Plan Update 2018 project following generally accepted financial and administrative practices and policies to ensure timely and accurate invoicing, reporting and other administrative functions.

B) OWOW Plan Update 2018 (Plan Update)

The OWOW Steering Committee will supervise the update process, advised by the OWOW Pillars (an advisory group of water leaders from throughout the watershed). Some of the OWOW Plan Update 2018, as identified below, will be supported by four technical workgroups newly convened and engaged specifically for this Update.

The OWOW 2.0 Plan will receive a general update throughout its nine chapters, primarily to update dates, names, and other factual material that has changed since the plan was last updated.

The California Water Action Plan and the California Water Plan Update 2013 both provide new information that can be incorporated into the Plan. First, the Water Plan Update identified three new resource management strategies (Sediment Management, Outreach and Engagement, and Water and Culture) that will be analyzed to determine their applicability to the OWOW Plan. Several chapters, however, will receive specific and more comprehensive updates as required by the 2016 IRWM Plan Standards during the work of this proposal.

Chapter 2.0 Governance, Outreach and Integration will be updated to include mechanisms for incorporating stormwater resources management planning into the Plan. In addition, the references to disadvantaged communities in this chapter will be updated by the associated work of the Disadvantaged Community Involvement Program.

Chapter 4.0 Regional Goals and Objectives will be updated with appropriate changes to the Planning Targets for the watershed in-line with changing knowledge and policy. This will focus on new water quality and climate change requirements to assure that goals are aligned and sufficient.

Chapter 5 Water Management Strategies and Integrations will be extensively worked during this proposed plan update. This chapter, and its fourteen sub-chapters, describes the challenges and opportunities in the watershed, and the approach to integrating the different aspects of water management.

Chapter 5.4 Water Resource Optimization will be updated to reflect the latest water supply and demand projections and recent sub-regional resource plans such as the 2016 Inland Empire Utilities Agency
Integrated Resources Plan, 2015 San Bernardino Valley Municipal Water District Upper Santa Ana River Watershed IRWM Plan, and 2014 Orange County Water District Long Term Facilities Plan, as well as the latest Urban Water Management Plans.

A groundwater quality technical workgroup will support the inclusion of the requirements of AB 1249 in OWOW 2.0 Plan Chapter 5.5 Beneficial Use Assurance. This chapter currently contains discussion of water quality regulatory drivers in the watershed, the role of surface water degradation on communities and the work underway to address it. Additionally, the chapter holds a discussion of groundwater contamination in the watershed, which must be updated to accomplish all of the four requirements in AB 1249 including the location and extent of nitrate, arsenic, perchlorate and hexavalent chromium contamination, the impacts the contamination on watershed communities, what work addressing the contamination is underway and what additional work is needed.

This workgroup will also contribute the appropriate groundwater quality information, existing activities and future plans related to Basin Boundaries and GWMA formation to the Regional Description section of the OWOW 2.0 Plan, in Chapter 3 Watershed Setting.

Chapter 5.6 Water Use Efficiency will be revised to include the significant changes created by the drought response during the prior three years, including expanded water use efficiency goals, objectives, and strategies found in the new State Water Resources Control Board Water Use Efficiency standards.

A stormwater technical workgroup will convene to update Chapter 5.8 Stormwater: Resource and Risk Management with mechanisms for effective integration and incorporation of stormwater resource management planning efforts that occur in the watershed. Updates to this section will permit the inclusion of Stormwater Resource Management plans, stormwater planning research, project concepts and partnerships in the OWOW Plan Update 2018 whenever those efforts are undertaken. By improving the process by which these specialty plans are able to inform the OWOW Plan, the integration of water resources management in the watershed will benefit.

A Technical Advisory Committee will be constituted by the Disadvantaged Community Involvement Program to support the update of Chapter 5.11 Disadvantaged and Tribal Communities, and other items throughout the OWOW 2.0 Plan, including but not limited to Chapter 2.2 Stakeholder Involvement and Outreach and Chapter 5.14 Integration and Implementation. This group will advise the DACI Program in the region, which will through its activities provide the community engagement necessary to support the OWOW Plan Update 2018.

A climate change technical workgroup will update Chapter 5.13 Energy and Environmental Impact Response with the new climate change related requirements of the 2016 IRWM Plan Standards. Several of the new Standards are already present in the 2014 approved OWOW 2.0 Plan, including an assessment of vulnerabilities and potential adaptations, the assessment of GHG impacts from proposed
project alternatives, the influence of changing runoff and recharge patterns, the influence of sea level rise, how to reduce energy consumption of the water sector, and how carbon sequestration or renewable energy can be made a part of water resources management.

New efforts by this climate change technical workgroup will provide a spatial prioritization of the watershed-wide vulnerabilities previously identified. The Santa Ana River Watershed is very large, and covers a very diverse set of geographies. Vulnerabilities to climate include, for example, coastal impacts from sea level rise and urban-wildland interface wildfire danger. Some vulnerabilities are watershed-wide, including the risk of increased heat on human health and the expected impacts on imported water supplies.

This workgroup will also review and incorporate into the OWOW Plan Update 2018 strategies adopted by California Air Resources Board and the AB 32 Scoping Plan.

C) IRWM Plan Outreach

Stakeholder and community engagement will be achieved through the continuation of existing collaborative groups and decision-making bodies. This includes the OWOW Steering Committee, the SAWPA Commission and the OWOW Pillar Integration Workshops. For OWOW Plan Update 2018 effort, two watershed-wide State of the Santa Ana River Watershed annual conferences will be undertaken, and three technical stakeholder workgroups will be convened and supported (described above in Category B). Further, as component of the linked Disadvantaged Community Involvement Program, a technical advisory committee will be formed to advise the team undertaking that scope of work. This TAC will also support community engagement with the OWOW Plan Update 2018 process.

As with prior OWOW planning processes, a dedicated effort will be undertaken to expand and deepen engagement with members of disadvantaged and underrepresented communities; residents, businesses and government agencies within economically distressed areas; as well as with sovereign Tribal governments within and proximate to the Santa Ana River Watershed. These efforts will be contained within the DACI Program scope but linked to the OWOW Plan Update 2018. A draft DACI Program synopsis is supplied in attachment 6 & 7.

Meetings and Travel

During the scope of work of this proposal, SAWPA will host Pillar Integration Meetings every other month and OWOW Steering Committee meetings on the alternating every other month. These meetings are part of the regular business of the OWOW program, and are predominantly supported by local funding. This project has a two-year scope of work and an estimated five meetings per year of each group; twenty meetings have been budgeted.
Technical workgroups will meet an estimated six times each during the update (18 total meetings), and in various locations as appropriate across the watershed. Staff time and travel budget have been allocated for conducting these meetings. The Technical Advisory Committee of the Disadvantaged Community Involvement Program will also meet regularly, on a schedule to-be-determined by the group once it is formed. Their activity will be supported by the DACI Program budget.

## OWOW Plan Update 2018 Scope: Tasks, Deliverables and Links between Tasks

<table>
<thead>
<tr>
<th>Category / Task</th>
<th>Title</th>
<th>Description of work</th>
<th>Deliverables</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Project Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1</td>
<td>Administration</td>
<td>Preparation of grant agreement and other deliverables as specified in the Grant Agreement</td>
<td>Grant Agreement Other Deliverables as specified</td>
</tr>
<tr>
<td>A2</td>
<td>Invoicing</td>
<td>Preparation and submission of invoices as specified in the Grant Agreement</td>
<td>Invoices as specified</td>
</tr>
<tr>
<td>A3</td>
<td>Reporting</td>
<td>Submission of quarterly and final reports as specified in the Grant Agreement</td>
<td>Quarterly reports Final Report</td>
</tr>
<tr>
<td>B</td>
<td>Plan Update</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B4</td>
<td>Plan Update: General</td>
<td>General broad update of the Plan and the Regional Goals and Objectives to include Water Plan Update 2013, Water Action Plan, and new data as appropriate. This task will contribute benefits for members of disadvantaged communities and economically distressed areas.</td>
<td>OWOW Plan Update 2018 Updated Regional Goals and Objectives OWOW Plan Update 2018 Executive Summary with description of new material</td>
</tr>
<tr>
<td>Category / Task</td>
<td>Title</td>
<td>Description of work</td>
<td>Deliverables</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| B5             | Plan Update: Drought Response and Local Plan Inclusion               | An update to sections of Chapter 5 to include recent drought response and water supply / demand planning in the Santa Ana Region  
**Link to other tasks:** this is one of several discrete tasks related to the Update.                                                                 | Updated OWOW Chapter 5.2  
Updated OWOW Chapter 5.4  
Updated OWOW Chapter 5.5                                                                                         |
| B6             | Plan Update: Governance, Outreach, and Integration Chapter            | An update of OWOW Chapter 2 to include integration and incorporation of stormwater resources management planning in the watershed. This task will contribute benefits for benefit members of disadvantaged communities and economically distressed areas.  
**Link to other tasks:** this is one of several discrete tasks related to the Update. This task is required to comply with 2016 IRWM Standards. | Technical Workgroup Roster  
Technical Workgroup meeting notices  
Technical Workgroup materials  
Updated OWOW 2.0 Chapter 2                                                                                         |
| B7             | Plan Update: Climate Change Vulnerability                            | An update of sections of OWOW Chapter 5 to include climate change vulnerability. This task will contribute benefits for benefit members of disadvantaged communities and economically distressed areas.  
**Link to other tasks:** this is one of several discrete tasks related to the Update. This task is required to comply with 2016 IRWM Standards | Technical Workgroup Roster  
Technical Workgroup meeting notices  
Technical Workgroup materials  
Updated OWOW 2.0 Chapter 5.13                                                                                         |
| B8             | Plan Update: Water Quality                                           | An update of sections of OWOW Chapter 5 to include issues of groundwater quality as per AB 1249. This task will contribute benefits for benefit members of disadvantaged communities and economically distressed areas.  
**Link to other tasks:** this is one of several discrete tasks related to the Update. This task is required to comply with 2016 IRWM Standards | Technical Workgroup Roster  
Technical Workgroup meeting notices  
Technical Workgroup materials  
Updated OWOW 2.0 Chapter 5.5                                                                                         |
<table>
<thead>
<tr>
<th>Category / Task</th>
<th>Title</th>
<th>Description of work</th>
<th>Deliverables</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9</td>
<td>Plan Update: Disadvantaged and Tribal Communities</td>
<td>Working within the Disadvantaged Community Involvement Program scope of work, complete updates to OWOW 2.0 chapters with related material. <strong>This task will contribute benefits for benefit members of disadvantaged communities and economically distressed areas.</strong>&lt;br&gt;&lt;br&gt;<strong>Link to other tasks:</strong> this task is related to the DACI Program, and is linked to the other discrete update tasks of this scope.</td>
<td>Updated OWOW Chapter 2.2&lt;br&gt;Updated OWOW Chapter 5.11&lt;br&gt;Updated OWOW Chapter 5.13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C</th>
<th>IRWM Plan Outreach</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C10</td>
<td>OWOW Stakeholder Engagement</td>
<td>Facilitate engagement with and among watershed stakeholders in support of Plan Update process, including OWOW Steering Committee meetings, Pillar Integration workshops, Stakeholder technical workgroup meetings, and two Watershed Conferences. <strong>This task will contribute benefits for benefit members of disadvantaged communities and economically distressed areas.</strong>&lt;br&gt;&lt;br&gt;<strong>Link to other tasks:</strong> facilitation and communication to accomplish stakeholder and community engagement with the update tasks, inclusive of members of disadvantaged communities and economically distressed areas</td>
</tr>
<tr>
<td>C11</td>
<td>Disadvantaged Community Involvement Technical Advisory Committee</td>
<td>Support the DACI Program with its scope of work, and function as a workgroup for the update to Chapters 2.2, 5.11, and 5.13 that are related to community engagement. <strong>This task will contribute benefits for benefit members of disadvantaged communities and economically distressed areas.</strong>&lt;br&gt;&lt;br&gt;<strong>Link to other tasks:</strong> This task ties the DACI Program and the OWOW Plan Update 2018 together with a shared workgroup / advisory committee.</td>
</tr>
</tbody>
</table>
Budget

The following tables describe the budget of the OWOW Plan Update 2018 effort, which is inclusive of grant funding, local match and related expenditures within the Disadvantaged Community Involvement Program. This budget is consistent with the work plan and schedule that are described in separate documents within this proposal.

Budget estimates were produced using the approved FYE 2017 budget of SAWPA which includes locally-funded One Water One Watershed work. The requested grant, spread across three fiscal years, will permit staff to augment their activities to conduct the OWOW Plan Update 2018 project. These staff budget estimates are in the table below entitled SAWPA Staff Budget for OWOW Plan Update 2018.

Expense categories in the project budget include salaries, benefits and G&A costs (see table below entitled SAWPA Staff Budget for OWOW Plan Update 2018), resources for consultants, off-site meeting travel, conferences, shipping & postage, office supplies, and other expenses. In the table below entitled OWOW Plan Update 2018 Chart of Accounts Budget, the different expense budgets for these categories are enumerated.

- Salaries, benefits and G&A expenses ($484,214) are calculated using existing billing rates for each involved staff member. To account for cost-of-living and merit increases, as well as promotions, a 5% increase adjusted staff billing rates for each fiscal year.
- Consultant expenses ($60,000) are considered match, and are already within the SAWPA budget for FYE 2017, and are expected to be included in FYE 18 and 19 as well. The consultant budget was calculated from the experience of previous OWOW efforts. In the past consultants have assisted with technical analyses and writing of Plan content, however, consultants for the OWOW Plan Update 2018 have not yet been identified, as the scopes of work and detailed costs estimate to perform the needed from consultants work has not yet will been identified during the project.
- Off-site meeting travel expenses ($10,500) is estimated as an augmentation to the existing SAWPA budget and based on the experience of previous OWOW efforts. It will support mileage, parking, and if appropriate airfare for necessary project meetings, not inclusive of conferences which is a separate line item. This is shared equally between grant and local expenditures.
- Conference Expenses ($21,000) are estimated as an augmentation to the existing SAWPA budget and based on the experience of previous OWOW efforts. It supports conference registration, travel, lodging and per diem associated with project-related conferences. This is shared equally between grant and local expenditures.
- Shipping and postage expenses ($300) is calculated as an augmentation to the existing SAWPA budget for OWOW efforts, and supports project related shipping of materials, invoices, and reporting as-needed. This is shared equally between grant and local expenditures.
- Office supplies expenses ($780) are estimated as an augmentation to the existing SAWPA budget and based on the experience of previous OWOW efforts. This budget supports the purchase of simple office supplies for the project related staff. This is shared equally between grant and local expenditures.
• Other expenses ($9,000) are estimated as an augmentation to the existing SAWPA budget and based on the experience of previous OWOW efforts. Other expenses describe one-time expenses that are unique or unusual and therefore not appropriate for a different account code. These expenses will be project related and grant allowable, as coordinated between the SAWPA project manager and DWR grant manager. This is shared equally between grant and local expenditures.

A total of $28,671 will be charged by SAWPA staff as administrative expense for the overall project, which results in an administrative rate of 4.89%.

**OWOW Plan Update 2018 Task Budget**

<table>
<thead>
<tr>
<th>Category / Task</th>
<th>Description</th>
<th>Planning Grant</th>
<th>Local Match</th>
<th>DRAFT DACI Program (not match)</th>
<th>Sub Total</th>
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<tbody>
<tr>
<td><strong>A</strong> Project Administration</td>
<td>$ 28,671</td>
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<td>1 Administration</td>
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<td>$ 9,557</td>
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<td>2 Invoicing</td>
<td>$ 4,209 $ 4,209 $ 1,140</td>
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<td></td>
<td></td>
<td>$ 9,557</td>
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<tr>
<td>3 Reporting</td>
<td>$ 4,209 $ 4,209 $ 1,140</td>
<td></td>
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<td></td>
<td>$ 9,557</td>
</tr>
<tr>
<td><strong>B</strong> Plan Update</td>
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<td></td>
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<tr>
<td>4 Plan Update: General</td>
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<td>5 Plan Update: Drought Response and Local Plan Inclusion</td>
<td>$ - $ 49,020 $ -</td>
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<td></td>
<td></td>
<td>$ 49,020</td>
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<td>6 Plan Update: Governance, Outreach, and Integration</td>
<td>$ 56,784 $ 30,021 $ -</td>
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<td>$ 86,805</td>
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<tr>
<td>7 Plan Update: Climate Change Vulnerability</td>
<td>$ 56,284 $ 30,021 $ -</td>
<td></td>
<td></td>
<td></td>
<td>$ 86,305</td>
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<tr>
<td>8 Plan Update: Water Quality</td>
<td>$ 56,284 $ 30,021 $ -</td>
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<td>$ 86,305</td>
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<tr>
<td>9 Plan Update: Disadvantaged and Tribal Communities</td>
<td>$ - $ - $ 22,891</td>
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<td>$ 22,891</td>
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<td><strong>C</strong> IRWM Plan Outreach</td>
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<td>10 OWOW Stakeholder Engagement</td>
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<td>11 DACI Technical Advisory Committee</td>
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<td>$ 45,790</td>
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<tr>
<td><strong>Totals:</strong></td>
<td>$ 250,000 $ 263,693 $ 72,101</td>
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<td>$ 585,794</td>
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## SAWPA Staff Budget for OWOW Plan Update 2018

<table>
<thead>
<tr>
<th>SAWPA Staff Title</th>
<th>Role</th>
<th>Final Year Rate*</th>
<th>Hours</th>
<th>Budget</th>
<th>Local Match</th>
<th>Planning Grant</th>
<th>DRAFT DACI Grant (not match)</th>
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<tbody>
<tr>
<td>General Manager</td>
<td>Project Director</td>
<td>$ 400.24</td>
<td>38</td>
<td>$14,700.46</td>
<td>$ 5,025.89</td>
<td>$ 5,025.89</td>
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<tr>
<td>Exec Counsel</td>
<td>OWOW Convener</td>
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<td>$10,418.49</td>
<td>$ 3,467.07</td>
<td>$ 3,467.07</td>
<td>$ 3,484.36</td>
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<td>Admin Services Mgr.</td>
<td>Staff Supervision</td>
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<td>25</td>
<td>$ 5,688.82</td>
<td>$ 2,540.92</td>
<td>$ 2,540.92</td>
<td>$ 606.99</td>
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<tr>
<td>Sr. Admin Assistant</td>
<td>Contract management</td>
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<td>24</td>
<td>$ 2,660.61</td>
<td>$ 1,330.31</td>
<td>$ 1,330.31</td>
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<tr>
<td>Admin Assistant II</td>
<td>Outreach &amp; Scheduling</td>
<td>$ 85.24</td>
<td>252</td>
<td>$20,472.60</td>
<td>$10,236.30</td>
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<tr>
<td>Chief Financial Officer</td>
<td>Staff Supervision</td>
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<td>12</td>
<td>$ 3,399.75</td>
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<tr>
<td>Accountant/Project Mgr.</td>
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<td>$ 6,324.89</td>
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<td>Sr. Accounting Tech</td>
<td>Accounting Support</td>
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<tr>
<td>IS/IT Manager</td>
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<td>$ 2,590.94</td>
<td>$ 2,144.80</td>
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<td>GIS Project Mgr.</td>
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<td>$ 9,249.31</td>
<td>$ 8,016.24</td>
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<tr>
<td>Exec Mgr. of Engineering &amp; Operations</td>
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<td>$ 3,460.85</td>
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<td>$ 10,663.85</td>
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<tr>
<td>Water Resources &amp; Planning Manager</td>
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<td>$ 8,078.56</td>
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<td>Sr. Watershed Manager</td>
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<td>Watershed Manager</td>
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<tr>
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<td>$ 36,096.22</td>
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</table>

* a 5% increase each fiscal year was applied for budget planning purposes

| Totals:                   |                     | $ 484,822        | $ 193,861 | $ 218,861 | $ 72,101 |

---

* ATTACHMENT 4 – BUDGET
  2016 IRWM PLANNING GRANT

Page 3 of 4
OWOW Plan Update 2018 Chart of Accounts Budget

<table>
<thead>
<tr>
<th>Revenues</th>
<th>FYE 17</th>
<th>FYE 18</th>
<th>FYE 19</th>
<th>Subtotal</th>
<th>Planning Grant</th>
<th>Local Match</th>
<th>DACI Grant (Not Match)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>$87,000</td>
<td>$81,000</td>
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<td>$250,000</td>
<td>$72,101</td>
<td>$72,101</td>
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<tr>
<td>DACI Grant</td>
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<td>$24,034</td>
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<tr>
<td>Member Agency Contribution</td>
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<td>$90,231</td>
<td>$263,693</td>
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<td><strong>Total Revenue</strong></td>
<td>$193,934</td>
<td>$198,634</td>
<td>$193,434</td>
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<td>$72,101</td>
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<table>
<thead>
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<th>Expenses</th>
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</thead>
<tbody>
<tr>
<td>Salaries</td>
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<td>$53,577</td>
<td>$53,577</td>
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<td>$23,244</td>
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<td>G&amp;A costs</td>
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<td>$84,584</td>
<td>$84,584</td>
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<td>$20,000</td>
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<tr>
<td>Offsite Meeting / Travel</td>
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<td>$3,500</td>
<td>$3,500</td>
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<td>Conference Expenses</td>
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<td>$7,000</td>
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<td>Shipping/Postage</td>
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<td>$100</td>
<td>$100</td>
<td>$300</td>
<td>$158</td>
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<td>$260</td>
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<td>Other Expenses</td>
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<td>$9,000</td>
<td>$3,000</td>
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<td>$195,265</td>
<td>$585,794</td>
<td>$250,000</td>
<td>$263,693</td>
<td>$72,101</td>
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</table>
DATE: October 20, 2016

TO: OWOW Steering Committee

SUBJECT: SAWPA Strategic Assessment – One Water One Watershed Business Line

PREPARED BY: Mark Norton, Water Resources & Planning Manager

RECOMMENDATION
It is recommended that the OWOW Steering Committee provide input regarding SAWPA’s Strategic Assessment for the One Water One Watershed Business Line.

BACKGROUND
In February 2016, SAWPA hired a consultant, Paul Brown, to facilitate a Strategic Assessment for SAWPA. This work involved a process of interviewing each SAWPA Commissioner, Alternate Commissioner, Member Agency General Manager and selected SAWPA Executive Staff. After the interviews, Paul Brown facilitated Strategic Assessment exercises with the Commission and General Managers during five meetings. The July 19, 2016 Commission meeting resulted in agreement on the Purpose and Objectives for the three business lines; 1) Brine Line, 2) OWOW ad 3) Roundtables. Critical Success Factors (CSFs) were then defined based on what is necessary to reach the previously defined Purpose and Objectives.

The Strategic Assessment process was intended to be a way for the Commission to review and discuss the major aims of SAWPA. The process of identifying the Purpose and Objectives, CSFs and associated Processes Activities and Tasks (PATs) concluded on July 19 with the Commission’s concurrence. Recognizing that overlapping and cross cutting activities could be consolidated, staff was directed to provide an analysis of all three Business Line PATs. The PATs for the OWOW Business Line are scheduled to be reviewed by the SAWPA Commission Workshop on November 15, 2016. Thereafter, staff will be incorporating the outcome from the workshop into the FYE 2018/2019 budget process for the Commission’s review.

The defined Purpose and Objectives and CSFs for the OWOW Business Line are shown below.

Purpose and Objectives
1. Fulfill SAWPA’s role as a CA IRWM Program Regional Water Management Group and provide for a process of determining IRWM funding that meets statutory requirements.
2. Prepare a credible integrated watershed-wide water management plan that is updated regularly, meets regional needs and DWR IRWM plan requirements, and provides safe, clean, reliable and affordable water for the Santa Ana River Watershed.
3. Facilitate the discovery and development of new watershed solutions.
4. Maximize funding opportunities and policy influence by uniting efforts watershed wide.
Critical Success Factors (CSFs)

1. Continued support from SAWPA commission of OWOW Steering Committee’s decision making authority as a means of ensuring trust, transparency, and external communications.

2. 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.

3. Distribution of benefits from the implementation of all integrated water resources management activities across the watershed in a fair and equitable fashion. Recognition that upstream conditions affect downstream water quality and quantity.

4. OWOW criteria and values are transparent to watershed-wide stakeholders.

5. A strong reputation and sufficient capacity within SAWPA staff for strategic facilitation, planning, communication, leadership and community engagement.

6. Administration of the OWOW process and plan in a highly efficient and cost-effective manner.

7. Successful implementation of an integrated regional water resource plan that reflects the watershed management needs of the public and the environment.

8. Annual review the accomplishments and implementation performance of the plan with the Commission and the Steering Committee.

9. Data and information needed for decision-making is available to all.

To assist SAWPA Commission with the OWOW Business Line Strategic Assessment, the input by the OWOW Steering Committee regarding the Purpose and Objectives and CSFs for the OWOW Business Line is requested.

SC 2016.13 StrategicAssess - OWOWBusinessLine
DATE: October 20, 2016

TO: OWOW Steering Committee

SUBJECT: Orange County Stakeholder Activities

PREPARED BY: Larry McKenney, Executive Counsel

RECOMMENDATION
Receive and file.

BACKGROUND
Recent activities of Orange County stakeholders may give Steering Committee members reason to consider stronger advocacy regarding Integrated Regional Water Management (IRWM) and the One Water One Watershed (OWOW) Plan.

Integrated Regional Water Management
IRWM is an approach to water resources management that recognizes the watershed as a physical system that spans governmental boundaries and that acknowledges the diverse, competing, legitimate interests in managing water resources for various societal goals. Over time, Californians have formed various agencies to address water supply, water quality, flood risk management, groundwater management, species and habitat protection, and recreation and open space, in addition to municipal governments that address overarching issues of land use and economic development planning. These agencies, created at varying local and regional scale, met important goals of accountability, public participation, responsiveness, and efficiency.

By the end of the 20th Century, our success in achieving efficiency had also created bureaucratic silos that generated institutional conflicts and, sometimes, poor resource management. IRWM is a way to keep our current agencies, with all of their advantages, but encourages and empowers them to look at water resources at the watershed scale through collaboration with other stakeholders in order to reach better management results and avoid creating new conflicts. The key challenge for the IRWM Region (in this case the OWOW Steering Committee) is not simply to decide what actions are good or bad, but to find the best balance between competing benefits. In a watershed with the size and complexity of the Santa Ana River, that is a very challenging task. If a significant part of the physical system is removed from the collaborative process, it could be impossible.

IRWM Grants
To assist IRWM Regions, the State has made available IRWM grant funds. Through its bond measures, the State created 12 Funding Areas based on Department of Water Resources (DWR) 12 hydrologic regions, and IRWM grant funds have been pre-allocated to Funding Areas by each bond measure. DWR developed rules for approval of an IRWM Region through a Region Acceptance Process. DWR recognition of a “Region” is a prerequisite to being eligible to apply for IRWM grants. DWR prefers having one approved IRWM Region per Funding Area, but it has approved multiple
IRWM regions in some Funding Areas particularly where there are more than one watershed (e.g. Los Angeles). In the Santa Ana Funding Area, which is one watershed, only the SAWPA OWOW is an accepted IRWM Region.

IRWM Regions can allocate these State funds in ways that incentivize collaborative and watershed-scale thinking. The OWOW Steering Committee has done this with each successive round of IRWM grant funding from Proposition 84, and recently deliberated on the appropriate eligibility criteria for IRWM grant funding from Proposition 1. During that discussion, the Steering Committee heard that Orange County Water District and other Orange County stakeholders were meeting with SAWPA representatives to advocate for changes to how funding is allocated within the OWOW process. Recent correspondence about those discussions is attached.

OCWD Direction
In August 2015, Orange County Water District (OCWD) directed its staff to work with the Orange County stakeholder group to engage in the discussions described above. In the same action, OCWD directed its staff to begin the process of seeking DWR acceptance of north Orange County as a separate IRWM Region within this Funding Area. Progress in this effort has been periodically reported to the OCWD board, most recently on September 21, 2016. See the attached agenda materials. In that report, it was noted that OCWD staff is continuing to pursue both options of seeking changes to the OWOW funding process and pursuing acceptance as a separate region.

The County of Orange has previously developed three IRWM plans, one for the South Orange County which DWR recognizes as an IRWM Region as it is not in the Santa Ana River Watershed, and separate specific plans for northern and central Orange County. The County is currently starting an update of the northern and central county IRWM plans. OCWD decided last month to contribute $30,000 toward the estimated $100,000 cost of updating and consolidating these plans because it would support the effort to apply to DWR for recognition as a separate IRWM Region.

Concerns
The possibility of a separate State-recognized IRWM Region being established in the Santa Ana River watershed is a concern for this Steering Committee. A separate recognized IRWM Region would require competition between the region’s grant applications for each funding round. SAWPA has criticized past efforts by DWR to competitively score such grant applications, both because the scoring was inappropriately done and because the IRWM implementing statutes call for DWR deference to regional project selection when there is only one recognized IRWM Region in the Funding Area. A change in that status will open the door for much more involvement of DWR in critiquing funding decisions in this region.

Perhaps more importantly, geographically dividing the planning and implementation efforts in this watershed would necessarily reduce the strength of our “watershed approach” and is inconsistent with the principles of Integrated Water Management. The entire OWOW program would be diminished in effectiveness, value, and stature. Additionally, even if the Orange County application is unsuccessful, the public effort to establish a separate group is, at best, not helpful to the region’s stakeholder process.
Purpose and Objectives
1. Fulfill SAWPA’s role as a CA IRWM Program Regional Water Management Group and provide for a process of determining IRWM funding that meets statutory requirements.
2. Prepare a credible integrated watershed-wide water management plan that is updated regularly, meets regional needs and DWR IRWM plan requirements, and provides safe, clean, reliable and affordable water for the Santa Ana River Watershed.
3. Facilitate the discovery and development of new watershed solutions.
4. Maximize funding opportunities and policy influence by uniting efforts watershed wide.

Critical Success Factors (CSFs)
• 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.
• Distribution of benefits from the implementation of all integrated water resources management activities across the watershed in a fair and equitable fashion. Recognition that upstream conditions affect downstream water quality and quantity.
• OWOW criteria and values are transparent to watershed-wide stakeholders.
• A strong reputation and sufficient capacity within SAWPA staff for strategic facilitation, planning, communication, leadership and community engagement.
• Administration of the OWOW process and plan in a highly efficient and cost-effective manner.
• Successful implementation of an integrated regional water resource plan that reflects the watershed management needs of the public and the environment.

Attachments:
1. OC Stakeholders letter dated September 8, 2016
2. Agenda Item from OCWD September 21, 2016 Board Packet
September 8, 2016

Ms. Celeste Cantu
General Manager
Santa Ana Watershed Project Authority
11615 Sterling Avenue
Riverside, CA 92503

Subject: Integrated Regional Water Management

Dear Ms. Cantu:

This letter is a follow up to our meeting of August 23, 2016 held at SAWPA regarding Integrated Regional Water Management (IRWM). At that meeting you requested that we send a letter stating our concerns regarding future implementation of the IRWM program in the Santa Ana Watershed, also known as the One Water One Watershed (OWOW) Program. The intent of this letter is to clarify those concerns and to request some changes that we believe will enable us to move forward with a more transparent, fair and collaborative process.

Our concerns are summarized as follows and discussed in more detail below:

1. The OWOW Plan should include a clearly stated principle that improvements in one area of the watershed are not to be achieved at the expense or detriment of another.

2. This basic principle stated above must be adhered to in the selection of projects in each funding round. In addition, there needs to be a provision for a meaningful discussion prior to SAWPA approval and submission to the state if an entity believes they are worse off based on the projects being submitted.

3. The net effect of projects, such as for water supply benefits, greenhouse gas or energy reduction, must be evaluated at the watershed scale.

4. The project selection process should be modified to assure that a selection of projects be fair and transparent to all stakeholders at every decision-making step.

5. For Proposition One grants, the requirement that a project have more than one partner would be satisfied by an agency partnership with Metropolitan Water District of Southern California (MWDSC).

6. A group of agencies may propose a suite of projects that address multiple benefits that would be considered as satisfying the requirement for projects to be multi-benefit projects.

Regarding Item #1 concerning the content of the OWOW plan, stakeholders in Orange County have raised these issues on several occasions, as early as 2009. Then Orange County Board of Supervisor John Moorlach requested that “consideration be given to adopting a planning principle for OWOW that no party in the watershed is disadvantaged as a result of any strategies adopted in the plan” (see Attachment 1). This same concern was raised subsequently by OCWD in 2010 and 2016 (see Attachments 2 and 3).
For your convenience, we have identified sections of the OWOW 2.0 plan and provided suggested language. We suggest changes to:

- Moving into Implementation, page 2;
- Governance Structure pages 8 and 17;
- Vision page 2 and 4, and
- Goals and Objectives, page 7 (see Attachment 4).

Regarding Item #2 concerning the selection of projects for grant funding, the principles stated in the OWOW plan must be accomplished through the project selection process. This concern was raised previously when OCWD asked that project proponents not be allowed to claim benefits for an increase in new water supplies if the project caused a reduction in water supplies downstream (see Attachment 5). A resolution of this issue can be achieved through adoption of a requirement that the final portfolio of projects selected for funding have the net result of benefiting the entire watershed where progress in one area is not achieved at the expense or detriment of another.

Item #3 concerns evaluating the net benefits of projects regarding greenhouse gas emissions and energy use reduction. If state grant funds are expended to support projects, it is vital that the benefits and costs of those projects are evaluated accurately. This can only occur if such benefits are considered at the watershed-wide scale. When a new storm water capture or recycled water project reduces an existing downstream water supply, the impacts and cost to replace that supply downstream must be accounted for in the grant application (see Attachment 5).

Item #4 concerns the need for greater transparency in the selection of projects for funding rounds. Suggestions to improve stakeholder involvement and transparency were provided by the Newport Bay Watershed Executive Committee in 2009 (see Attachment 1) and in the report prepared by RMC, Final Technical Memorandum, Review of SAWPA Prop 84 Round 2 Grant Application Process and Submittal, March 17, 2014, We suggest that these recommendations be discussed broadly with stakeholders and with decision making bodies such as the OWOW Steering Committee and SAWPA Commission and addressed in time for changes to be implemented for Proposition 1 funding rounds. It is our understanding, based on discussions at the August 23, 2016 meeting, that we have reached agreement on issues 5 and 6. To reiterate, the group agreed that for the next funding round MWDSC would be considered a partner to satisfy the requirement for a multi-agency partnership and that the requirement for projects to be multi-benefit projects could be satisfied with a group of agencies proposing a suite of projects. At this meeting, we also agreed that if SAWPA receives a DWR planning grant to update the OWOW plan, that SAWPA would be willing to provide a fair share of that grant to update the North and Central IRWM Plans.

We thank you and the OWOW Commission members for your willingness to meet with us over the past few months to discuss these concerns and respectfully request that you respond to this letter in writing. We are hopeful that continued discussions will result in improvements in the OWOW process that results in improved management of the water resources in the Santa Ana Watershed.
Sincerely,

Peer Swan
Chair, Newport Bay Watershed Executive Committee

Marilyn Thoms
Manager, Watershed Management Division
OC Environmental Resources

Michael R. Markus, P.E.
General Manager, Orange County Water District

cc: OWOW Steering Committee members
SAWPA Commissioners

ATTACHMENTS

Attachment 1: April 13, 2009 Letter from John Moortch to Ron Sullivan
Attachment 2: August 24, 2010 Letter from Michael Markus to Celeste Cantu
Attachment 3: July 7, 2016 Letter from Michael Markus to Celeste Cantu
Attachment 4: Selected pages from the OWOW 2.0 plan with proposed revisions
Attachment 5: December 6, 2012 Letter from Michael Markus to Celeste Cantu
WATER ISSUES COMMITTEE MEETING HELD SEPTEMBER 14, 2016

UPDATE ON APPROACHES FOR INTEGRATED REGIONAL WATER MANAGEMENT IN ORANGE COUNTY

RECOMMENDATION:

1) Authorize payment of $30,000 to the County of Orange for the District’s cost share in updating the North and Central Orange County Integrated Regional Water Management Plans; and

2) Direct staff to investigate if the Department of Water Resources could include a “no harm” provision in project evaluations
AGENDA ITEM SUBMITTAL

Meeting Date: September 14, 2016
To: Water Issues Committee
Board of Directors
From: Mike Markus
Staff Contact: G. Woodside

Subject: UPDATE ON APPROACHES FOR INTEGRATED REGIONAL WATER MANAGEMENT IN ORANGE COUNTY

SUMMARY
Staff is pursuing two options related to the District's participation in the Integrated Regional Water Management (IRWM) program. Two alternative approaches include forming an IRWM region in Orange County and working with SAWPA and SAWPA member agencies to refine the OWOW IRWM funding process. While discussions are continuing on both of these options, staff recommends the District support updating the Orange County IRWM plans at this time.

Attachment(s):
- Presentation
- Summary of Department of Water Resources Regional Acceptance Process
- Department of Water Resources Regional Acceptance Process
- Letter to Celeste Cantu dated September 8, 2016

RECOMMENDATION
Agendize for the September 21 Board meeting: Authorize payment of $30,000 to the County of Orange for the District’s cost share in updating the North and Central Orange County Integrated Regional Water Management Plans.

BACKGROUND
The CA Department of Water Resources (DWR) administers the state’s Integrated Regional Water Management (IRWM) program. Proposition 1 authorized additional bond funds for this program, with $63 million earmarked for the Santa Ana Funding Area. It is expected at this time that funds for projects will be available sometime in 2018.

The board provided direction to staff in August 2015 to 1) begin the process to form an IRWM region in Orange County; and 2) work with member agencies of the Santa Ana Watershed Project Authority to refine the One Water One Watershed (OWOW) IRWM funding process.
The following is an update on actions taken to date.

Last year, OCWD and County of Orange staff members met with staff from the Department of Water Resources in Sacramento to discuss the possibility of working toward a separate Orange County IRWM region within the Santa Ana Funding Area. This would include the North Orange County Management Area and the Central Orange County Management Area, shown in Figure 1.

DWR staff indicated that such a proposal would be allowed under the existing guidelines. DWR staff explained that the process would be initiated once an application was submitted by the stakeholders proposing the new region. DWR then would review the application and consider the appropriateness of the new region based on the Regional Acceptance Process guidelines. This process is summarized in Attachment 1. DWR's guidelines are included as Attachment 2. Once an application is made, this approval process would take several months. If accepted, the new region would directly compete for grant funds with the rest of the watershed that remained as part of the OWOW process.

OCWD began discussions with other stakeholders, including presenting this option at a meeting of the Newport Bay Watershed Executive Committee, the body that coordinates management of the Central Orange County Watershed Management Area (the area tributary to Newport Bay). Also, OCWD staff members began meeting regularly with county staff, OCSD staff, and the stakeholders in the Newport Bay Watershed to discuss both the potential for creating a new region and suggestions for changes to the existing OWOW process.

While discussions continue regarding the pros and cons of pursuing a separate region, the group has reached consensus on recommending that the county begin immediately to update the IRWM plan for North and Central Orange County. Updating the plans at this time is advisable for two reasons. First, one of the most time consuming steps to create a new region is developing an up-to-date and comprehensive IRWM plan. Completing this plan now will accelerate the Regional Acceptance Process, if this is pursued in the future. Second, the process of updating the plan will bring a broad range of stakeholders together, which is required to form a new IRWM Region in Orange County. The group will need to develop a list of proposed projects and agree to a method to prioritize projects for funding. This effort could strengthen the prospects for projects within Orange County to compete successfully in the next grant funding round.

County of Orange staff recommends that the two existing plans, the North OC IRWM Plan and the Central OC IRWM Plan be combined into one comprehensive plan. The county would be the lead in the plan development and proposes to hire a consultant who is experienced in preparing such plans to oversee this effort. The county proposes to contract with RMC and begin work as soon as possible. Completing the plan expeditiously is important to create the greatest possible benefit for Orange County stakeholders. The cost for completing the plan is estimated to be $100,000. The county is able to assume half of this cost and is requesting support from others to complete this project. OCWD is being asked to contribute $30,000. Other stakeholders
have indicated a willingness to contribute the remaining cost. District staff recommends that the Board authorize payment of $30,000 for the District’s cost share of updating the IRWM Plans.

Work to improve the current OWOW process

Several meetings were held over the past few months with a group of Orange County stakeholders, SAWPA General Manager Celeste Cantu, and representatives from the OWOW Steering Committee. The group discussed concerns about management of past grant funding rounds and suggestions for improving the OWOW IRWM process. A central issue in these discussions has been adopting an overriding principle that through the OWOW process all areas in the watershed improve as a whole and that improvement in one area is not achieved at the expense or detriment of another. While all participants agree to this principle, discussions continue as to how this would be practically achieved. At the latest meeting on August 23, it was also conveyed to SAWPA that Proposition 1 IRWM grant eligibility criteria should be amended by adding the “gate” that a project should not provide improvements or benefits in one area at the expense or detriment of another area. SAWPA indicated that a gate for submission of a project to SAWPA for grant funding would not be appropriate but that the portfolio of projects recommended for grant funding, as a group, would not provide benefits in one area at the expense of detriment of another area.

Ms. Cantu requested at the August 23rd meeting that the group send her a letter clarifying concerns and suggestions. As a result, a letter was sent to Ms. Cantu signed by OCWD, the Newport Bay Watershed Executive Committee, and the County of Orange. A copy of this letter is attached. The key points in the letter to Ms. Cantu include:

1. The OWOW Plan should include a clearly stated principle that improvements in one area of the watershed are not to be achieved at the expense or detriment of another.

2. This basic principle stated above must be adhered to in the selection of projects in each funding round. In addition, there needs to be a provision for a meaningful discussion prior to SAWPA approval and submission to the state if an entity believes they are worse off based on the projects being submitted.

3. The net effect of projects, such as for water supply benefits, greenhouse gas or energy reduction, must be evaluated at the watershed scale.

4. The project selection process should be modified to assure that a selection of projects be fair and transparent to all stakeholders at every decision-making step.
PRIOR RELEVANT BOARD ACTION(S) –

7-20-2016, M16-100: Direction to staff: 1) Agendize roles & responsibilities of Newport Bay Watershed Executive Committee for upcoming Board mtg and include calendar of when they meet; 2) Staff to advise SAWPA General Manager Cantu that Proposition 1 IRWM grant eligibility criteria should be amended by adding the “gate” that a project should not provide improvements or benefits in one area at the expense or detriment of another area, and 3) Provide a detailed step-by-step process of the area within the County of Orange or a portion thereof becoming its own region

8-18-2015, M15-129: Direction to staff 1) Begin the process to form an Integrated Regional Water Management (IRWM) region in Orange County; and 2) Work with member agencies of the Santa Ana Watershed Project Authority to refine the One Water One Watershed (OWOW) IRWM funding process.