AGENDA

A. Discussion/Action Items:
   1. Housekeeping and Approval of Minutes
      [Action: Consider appointing John Holbrook as the Chairman, and Scot A. Moody as the Vice Chairman to the Coordinating Committee]
      [Action: Consider approving the November 20, 2019 Meeting Minutes]
   2. Governance (County, W&C)
      [Action: Consider authorizing the Chair or his designee to sign a letter establishing funding allocation among the San Joaquin River Funding Area for Integrated Regional Water Management Proposition 1 Implementation Grant Program, and execute all documents related to this agreement]
   3. Disadvantaged Community Involvement Program (County, W&C)
   4. IRWM Plan Update (County)
   5. Storm Water Resources Plan Need (County)

B. Public Comment: Please limit comments to three minutes

C. Comments from the Chair:

D. Adjournment:

Next Regular Meeting
January 15, 2020, 2:30 p.m.
Public Health Conference Room

If you need disability-related modification or accommodation in order to participate in this meeting, please contact the Water Resources Staff at (209) 468-3089 at least 48 hours prior to the start of the meeting. Any materials related to items on this agenda distributed to the Commissioners less than 72 hours before the public meeting are available for public inspection at Public Works Dept. Offices located at the following address: 1810 East Hazelton Ave., Stockton, CA 95205. Upon request these materials may be made available in an alternative format to persons with disabilities.
A. Discussion/Action Items:

1. Regional Water Management Group Governance Structure (County, W&C)

   **Discussion**
   
   a. The following questions were posed by Ms. Jennifer Spaletta, which were answered by various Coordinating Committee members:
   
   1. Will the Coordinating Committee be the group making decisions about which projects can apply and receive the $6.5 million? **It was commented that the Coordinating Committee will develop an update to the Integrated Regional Water Management Plan (IRWMP), which will establish the project selection criteria. The projects that are already in the 2014 IRWMP will carry over, as will the projects in the Eastern San Joaquin Groundwater Subbasin Groundwater Sustainability Plan (GSP), and will be combined with a general call for projects as part of the update effort. The projects in the IRWMP Update should be eligible for funding through the State’s IRWM grant program.**
   
   2. The $6.5 million only seems enough to implement one project, and therefore, it may not make sense for some agencies to participate in the development of an approximately 300-page document (i.e. IRWM), and not see their project get funded. **No comments. [This was not discussed during the meeting, but for the sake of clarification on this issue, it is being noted that the 2014 IRWMP Update will not be a cover-to-cover rewrite, but a much shorter addendum to be attached to the original 2014 document].**
   
   3. Although the plan will be developed in the spirit of collaboration, the agencies will find themselves voting each other’s projects out during project selection. **The Plan is needed for us to secure the IRWM funds. Project proponents should coordinate to see which projects would take priority. The decision on how to fund future projects can be made later as more funding becomes available.**

   Project information forms will have to be submitted under the project solicitation/application process with DWR, and DWR will expect that consensus have been reached locally on projects that are submitted.

   4. The $6.5 million is not “guaranteed” funds for our region since there is no binding agreement in place to set aside these funds for the Coordinating Committee. **There is an agreement letter by and between the staff of the 7 participating IRWM regions within the San Joaquin River hydrologic region who negotiated the funding.**
b. Governance structure was summarized and a listing of the signatories to the MOU was provided.

c. Membership to the MOU will be open to public and private agencies and groups, but not individuals. However, a stakeholder list will be developed through the IRWM process, and individuals may sign up to participate as stakeholders. Individuals may also provide feedback during public comments.

d. Meeting Time/ Frequency:
   i. AWC meeting to end by 2.30 pm.
   ii. Coordinating Committee to be held on the 3rd Wednesday of each month from 2.30 pm – 4.30 pm

e. Mr. Scott Moody, Mr. John Holbrook and Mr. Glenn Prasad were nominated and elected as the chairman, vice-chairman and secretary respectively.

f. Comments to the Decision Making Charter have been received by North San Joaquin Water Conservation District and the County, which have been incorporated into the handout (Handout 1C). The Decision Making Charter was approved.

g. It was commented that a roadmap with future decisions need to be brought to the Committee. The Decision Making Charter can then be reviewed for adequacy to help facilitate those decisions.

Action
a. Develop a Roadmap of Future Decisions to the Committee in order to assess the adequacy of the Decision Making Charter to facilitate those decisions (Prasad).

b. Distribute the signed MOU and the approved Decision Making Charter to the Coordinating Committee (Prasad).

2. Communications Plan and Project Logistics

Discussion
a. Approach for communications and project logistics was discussed.

b. The consensus was that all decisions are to be made by the Coordinating Committee, instead of breaking out into smaller sub-committees. The need for sub-committees will be determined on an as-needed basis by the chairman.

Action
a. None.

3. Proposition 1 Overview (County, GEI)

Discussion
a. Overview for Prop 1 funding was provided.
4. GBA Discussion (County)

Discussion

a. Member agencies of the Eastern San Joaquin County Groundwater Basin Authority had set aside $85,000 for the IRWMP update, which will be used for that purpose.

b. It was commented that the County will circulate to the GBA agencies, a letter to disband the GBA. After disbanding the GBA, the funds in the existing GBA account will be transferred to the County District. These funds will offset the cost incurred by the County to do the IRWMP update.

Action

a. Circulate a letter to terminate the GBA (Prasad).

5. Disadvantaged Community Involvement Grant (W&C)

Discussion

a. The 3 DACIP project tasks were presented.

b. A Local Project Sponsor Agreement has been executed between the County and the Contra Costa Water District.

c. It was questioned if a project that benefitted both DAC and non-DAC area would qualify as a DAC project. It was also questioned if the determination of a DAC project depended on its geographic location within a DAC area.

Action

a. Obtain clarification on the definition of a DAC project (Prasad/ Cole).

b. Provide an update for the selection of the outreach consultant (Prasad)

6. IRWM Plan Update (GEI)

Discussion

a. A presentation was made on the IRWM update. The 33 projects developed as part of SGMA, the 157 projects that were already identified in the 2014 IRWMP, and the 57 2014 IRWMP Management Action Commitments were noted.

Action

a. Issue a Notice of Intent (NOI) to prepare an IRWM update on behalf of the Coordinating Committee.

b. Notify other groups that were part of the original 2014 IRWM, as well as the stakeholders list that has been generated for the Sustainable Groundwater Management Act work.

c. Develop IRWM website (Prasad).
7. **Storm Water Resources Plan Need**

**Discussion**
- Projects that are considered to be storm water and dry weather runoff projects will require Storm Water Resources Plan (SWRP) if they are to be funded by any bond approved by California voters after January 2014.

**Action**
- Provide more information to the Coordinating Committee on the requirements of a SWRP.

B. **Public Comment:** None.

C. **Comments from the Chair:** None

D. **Adjournment:** 5:00 pm
Greater San Joaquin Regional Water Coordinating Committee Meeting
November 20, 2019

ATTENDANCE SHEET

<table>
<thead>
<tr>
<th>NAME</th>
<th>AFFILIATION</th>
<th>E-MAIL ADDRESS</th>
<th>PHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veronica Tovar</td>
<td>Catholic Charities</td>
<td><a href="mailto:veronatovar@csstock-fon.org">veronatovar@csstock-fon.org</a></td>
<td>(209) 373-7650</td>
</tr>
<tr>
<td>Johnathan Pruitt</td>
<td>Catholic Charities</td>
<td><a href="mailto:jpruitt@csstock-fon.org">jpruitt@csstock-fon.org</a></td>
<td>209-396-6934</td>
</tr>
<tr>
<td>Dante Nomellini Sr.</td>
<td>CDWA</td>
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<tr>
<td>Dante Nomellini Jr.</td>
<td>CDWA</td>
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<tr>
<td>Stephen Schwabauer</td>
<td>City of Lodi</td>
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<tr>
<td>Charles Swimley Jr.</td>
<td>City of Lodi</td>
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<tr>
<td>Mary Elizabeth</td>
<td>Delta-Sierra Group</td>
<td><a href="mailto:mebetha@outlook.com">mebetha@outlook.com</a></td>
<td></td>
</tr>
<tr>
<td>Margo Praus</td>
<td>Delta-Sierra Group</td>
<td><a href="mailto:margo.praus@msn.com">margo.praus@msn.com</a></td>
<td>209-670-4442</td>
</tr>
<tr>
<td>Charlie Starr *</td>
<td>NSJWCD</td>
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<tr>
<td>Joe Valente</td>
<td>NSJWCD</td>
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<tr>
<td>George Hartmann</td>
<td>Reclamation Dist. 2074</td>
<td><a href="mailto:gwhlaw@earthlink.net">gwhlaw@earthlink.net</a></td>
<td></td>
</tr>
<tr>
<td>Matt Zidar</td>
<td>San Joaquin County</td>
<td></td>
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<tr>
<td>Glenn Prasad</td>
<td>San Joaquin County</td>
<td><a href="mailto:gprasad@sjgov.org">gprasad@sjgov.org</a></td>
<td>209-953-7611</td>
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Greater San Joaquin Regional Water Coordinating Committee Meeting

November 20, 2019

ATTENDANCE SHEET – OTHER INTERESTED PARTIES

<table>
<thead>
<tr>
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<th>AFFILIATION</th>
<th>E-MAIL ADDRESS</th>
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<tbody>
<tr>
<td>Alice Connolly</td>
<td>SJC PW</td>
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<tr>
<td>Jane Wagner-Jackson</td>
<td>SJ &amp; PW consultant</td>
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<tr>
<td>Jacob</td>
<td>SJ &amp; PW</td>
<td></td>
<td></td>
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<tr>
<td>Mark Williams</td>
<td>GB1</td>
<td>916 631 4559</td>
<td></td>
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<tr>
<td>Katie Cole</td>
<td>Medard &amp; Corran</td>
<td><a href="mailto:wprice@pacific.edu">wprice@pacific.edu</a></td>
<td>209-986-1889 (c)</td>
</tr>
<tr>
<td>Will Price</td>
<td>New member: Univ. Pacific, BUS &amp; POL RES CENTER</td>
<td><a href="mailto:wprice@pacific.edu">wprice@pacific.edu</a></td>
<td>982-5866 (h)</td>
</tr>
<tr>
<td></td>
<td>(Request coming)</td>
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<tr>
<td>Name</td>
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<td></td>
<td></td>
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<tr>
<td>Scot Moody</td>
<td>SEWD</td>
<td></td>
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<tr>
<td>Cathy Lee</td>
<td>SEWD</td>
<td></td>
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<tr>
<td>John Herrick</td>
<td>SDWA</td>
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<tr>
<td>Mary Hildebrand</td>
<td>SDWA</td>
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<tr>
<td>John Holbrook</td>
<td>SSJID</td>
<td></td>
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<tr>
<td>Brandon Nakagawa</td>
<td>SSJID</td>
<td></td>
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<tr>
<td>Mango Prairie</td>
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Agenda

1. RWMG Governance Structure (County, W&C)
2. Communications and Logistics (County)
3. Proposition 1 Overview (County, W&C)
4. GBA Discussion (County)
5. Disadvantaged Community Involvement Grant (W&C)
6. IRWM Plan Update (GEI)
7. Stormwater Resources Plan Need (County, GEI)
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7. Stormwater Resources Plan Need (County, GEI)
MOU Signatories (as of 11/20/2019)

1. Catholic Charities of the Diocese of Stockton Environmental Justice
2. Central Delta Water Agency
3. Lodi, City of
4. North San Joaquin Water Conservation District
5. Reclamation District 2074
6. San Joaquin County
7. Sierra Club, Delta-Sierra Group
8. South Delta Water Agency
9. South San Joaquin Irrigation District
10. Stockton East Water District
Brown Act Requirements & Future Meetings

- **Brown Act Requirements**
  - Secretary/Staff will post agenda at least 72 hours prior to the meeting

- **Future CC Meetings**
  - Meetings will be held from 3-5pm following AWC meetings, third Wednesday of each month
  - December 18, January 15, February 19, March 18
Governance and Management Structure

- How are future comments to the MOU going to be handled?
- Officer Elections Chair, Vice-Chair, Secretary [Action]
- Project Management Team (PMT) - Staff/Consulting Coordination
- Potential Sub-Committees, Ad Hoc Work Groups and Formation
Decision-Making Charter

- **Reviewed Draft Charter at September meeting**
- **Comments received from NSJWCD (see handout 1A, 1B, 1C)**
  - Comments pertaining to officers, administration of meetings, and decision making
- **Comments received from County (see handout 1C)**
  - Minor change to the title of the MOU and corresponding change to the title and body of the DMC
  - Clarifying language added to DMC that the Coordinating Committee is the IRWMG as defined in Water Code § 10539
- **Decision Making Charter approval?**
Agenda

1. RWMG Governance Structure (County, W&C)
2. Communications and Logistics (County)
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4. GBA Discussion (County)
5. Disadvantaged Community Involvement Grant (W&C)
6. IRWM Plan Update (GEI)
7. Stormwater Resources Plan Need (County, GEI)
Coordinating Committee Communications
Plan & Logistics

• Keep it Simple
• Evolving document
• Maintained by PMT
• Document and Define Today's Decisions and Approach to key functions
  • Charter
  • Project roles, responsibilities and assignments
  • Meeting logistics, website updates and facilitation
  • Contact information for all contractors, assigned staff, interested parties and coordinating committee members
• Meetings
• Deliverable review process
Agenda

1. RWMG Governance Structure
2. Communications and Logistics (County)
3. Proposition 1 Overview
4. GBA Discussion
5. Disadvantaged Community Involvement Grant
6. IRWM Plan Update
7. Stormwater Resources Plan Need
Proposition 1 IRWM Grant Program

- **$31 million allocated to the San Joaquin River Funding Area on a non-competitive basis**
  - $3.1 million is specifically reserved for Disadvantaged Community Involvement Program (DACIP)
  - **$148,000 awarded to Eastern San Joaquin IRWM area for DACIP**

- **$24 million to be shared amongst 7 IRWM areas**
  - Approximately **$6.5 million** for IRWM Implementation (including **$900,000** for Disadvantaged Communities)
Proposition 1 IRWM Grant Program (cont.)

- **Acquiring IRWM Implementation funds in the amount of $6.5 million requires**
  - Forming Coordinating Committee (completed)
  - Updating the 2014 IRWMP to conform to 2016 Guidelines before Round 2 grant funds are made available
  - Preparing application for Round 2 funding

- **Acquiring DACIP funds in the amount of $148,000 requires**
  - Executing Local Project Sponsor Agreement with Contra Costa Water District (completed)
Agenda

1. RWMG Governance Structure
2. Communications and Logistics (County)
3. Proposition 1 Overview
4. GBA Discussion
5. Disadvantaged Community Involvement Grant
6. IRWM Plan Update
7. Stormwater Resources Plan Need
GBA Discussion

- **GBA was the former RWMG in the Eastern San Joaquin IRWM region and funded the 2014 IRWMP**

- **GBA Meeting Summary/ Decisions (06/19/2017)**
  - “GBA has outlived its usefulness”
  - “Transfer” GBA’s responsibilities and update IRWMP
  - Reimburse member agencies of their contributions, but leave $85k available for a future IRWM update *(Complete)*
  - Disband GBA
GBA Discussion (Continued)

• **Disband GBA**
  • JPA to be terminated by mutual agreement of all members
  • Funds from GBA account will be directed into District account as per JPA

• **Zone 2 will fund any additional costs for IRWMP Update (consultant, staff time, website, legal?)**

• **Zone 2 will cashflow DACIP work**

• **Next step: County to prepare a letter of termination (future agenda item)**
Agenda

1. RWMG Governance Structure
2. Communications and Logistics (County)
3. Proposition 1 Overview
4. GBA Discussion
5. Disadvantaged Community Involvement Grant
6. IRWM Plan Update
7. Stormwater Resources Plan Need
DAC Involvement Grant (Project 8)

San Joaquin County has $148,000 to implement 3 tasks

Task 1: Project Administration
  • Comply with grant reporting requirements (i.e., Progress Reports, Invoicing, etc.)

Task 2: Engagement in IRWM Efforts
  • Implement an approach to increasing DAC awareness and engagement in IRWM efforts in the Region
  • Engage interested DAC individuals and/or groups, conduct meetings to discuss water related topics, provide educational materials, create a DAC Task Force
DAC Involvement Grant (Project 8) cont’d.

**Task 2: Engagement in IRWM Efforts (cont’d.)**
- Integrate DAC Task Force into the RWMG Governance Structure
  
  *(The County solicited proposals for Task 2 and did not receive any proposals)*

**Task 3: Project Development**
- RWMG to decide how to select projects for funding
  - Develop “criteria” for evaluating projects
  - Develop potential projects list
  - Invite project proponents to give brief presentations to RWMG
  - RWMG evaluates projects against criteria
  - RWMG selects highest “scoring” project to receive funding
DAC Involvement Grant (Project 8) cont’d.

Task 3: Project Development (cont’d.)

- Select a viable DAC related project for further develop that may include an alternatives analysis, CEQA documentation, design, permitting, etc., for inclusion into the IRWM Plan update process

Potential good news: DWR has indicated that Round 2 funding is delayed until Fall 2021 so this gives us more time to complete this work
Agenda

1. RWMG Governance Structure
2. Proposition 1 Overview
3. Budget Discussion
4. Disadvantaged Community Involvement Grant
5. IRWM Plan Update
6. Stormwater Resources Plan Need
IRWMP Project Identification

- **Projects must be included in IRWMP to be eligible for grant funding**

- **Projects:**
  - 72 Water Supply or Water Management projects from the 2014 IRWMP
    - 30 carried into Rating and Ranking
    - 6 Water Supply or Water Management projects submitted after rating and ranking
  - 53 Flood Water or Stormwater Projects identified in Draft Regional Flood Water Management Plan
  - 33 from the Groundwater Sustainability Plan
    - 10 screened out
    - Some are variants of IRWMP projects
  - 158 projects total
Readiness to Proceed

- Quality of Information
- Water Rights
- Engineering
- Environmental Documentation
- Financing
- Addresses Objectives
Project Prioritization

• GBA objectives through are to improve water supply sustainability and reliability
• Integrated planning process that also considered land use, flood control, and energy use
• Prioritized list of projects using performance criteria
  • Improve water supply reliability;
  • Provide multiple benefits;
  • Protect and improve water quality;
  • Provide financial incentives to promote regional integration and conjunctive management;
  • Scalable implementation;
  • Enhance environmental stewardship;
• Established monitoring protocols to gauge Plan success
Implementation Priority for 2014 IRWMP Projects

- Need
- Feasibility
  - Technical
  - Ability to Phase
  - Institutional
- Readiness to Proceed
  - Water Rights
  - Engineering
  - Identified Financing
  - Environmental Documentation
- Public and Stakeholder Acceptance
GSP Projects

- 33 projects submitted
- 23 carried forward
- All proposer-supplied information
- Prioritized as
  - “Planned”
    - Planned to be completed and online prior to 2040
  - “Potential”
    - Projects to offset the remaining imbalance above and beyond implementation of the “planned” projects
  - “Long-term or Conceptual”
    - Projects that need further development
## GSP “Planned Projects”

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Proponent</th>
<th>2019 Status</th>
<th>Time-table (initiation and completion)</th>
<th>Groundwater Demand Reduction (AF/year)</th>
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</thead>
<tbody>
<tr>
<td><strong>Planned Projects</strong>: Projects in this category are planned to be completed and online prior to 2040. The projected supply of projects in this category will be considered as offsetting the projected 2040 supply imbalance.</td>
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<td>GSP-1: Lake Grupe In-lieu Recharge</td>
<td>SEWD</td>
<td>Can be implemented immediately</td>
<td>2020-2022</td>
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<td>GSP-2: SEWD Surface Water Implementation Expansion</td>
<td>SEWD</td>
<td>Design phase</td>
<td>2019-2020</td>
<td>19,000</td>
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<td>GSP-3: City of Manteca Advanced Metering Infrastructure Project</td>
<td>City of Manteca</td>
<td>Currently underway</td>
<td>2019-2021</td>
<td>272</td>
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<td>GSP-4: City of Lodi Surface Water Facility Expansion &amp; Delivery Pipeline</td>
<td>City of Lodi</td>
<td>Planning phase</td>
<td>2030-2038</td>
<td>4,780</td>
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<td>GSP-5: White Slough Water Pollution Control Facility Expansion</td>
<td>City of Lodi</td>
<td>Construction complete</td>
<td>2019-2020</td>
<td>115</td>
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<tr>
<td>GSP-6: CSJWCD Capital Improvement Program</td>
<td>CSJWCD</td>
<td>Can be implemented immediately</td>
<td>2020-2027, on-going with 7-year completion cycles</td>
<td>5,000</td>
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<tr>
<td>GSP-7: NSJWCD South System Modernization</td>
<td>NSJWCD</td>
<td>Environmental review is complete; funding has been sought and a landowner improvement district formed</td>
<td>2018-2023</td>
<td>4,500</td>
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<td>GSP-8: Long-term Water Transfer to SEWD and CSJWCD</td>
<td>SSJ GSA</td>
<td>Infrastructure is in place. Environmental Review may need to be implemented</td>
<td>2019-2021</td>
<td>45,000</td>
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<td><strong>Total Planned</strong></td>
<td></td>
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Review of 2014 IRWMP Commitments

The 57 actions listed in IRWP Chapter 16 constitute the Groundwater Basin Authority’s plan and pledge to implement the IRWMP (see handout 5A).
Action & Next Steps (DACIP and IRWMP)

• **Action**
  • Coordinating Committee to authorize secretary/staff to issue Notice of Intent to prepare an IRWMP Update, on behalf of the Coordinating Committee (GC: 6066) \[Action\]

• **Next Steps**
  • County to procure outreach consultant to perform DACIP work
  • IRWM and DACIP project kickoff meeting in January 2020
Agenda

1. RWMG Governance Structure
2. Proposition 1 Overview
3. Budget Discussion
4. Disadvantaged Community Involvement Grant
5. Regional IRWM Plan
6. Stormwater Resources Plan Need
Why is SWRP Needed?

- SWRP is needed for projects for storm water and dry weather runoff projects from any bond approved by voters after January 2014
- Encourage integrated benefits to water supply, quality, flood management, environment, and community
- Watershed-based approach
- Seeks to replicate natural hydrology and watershed process by managing runoff locally
Storm Water Management Guidelines

• The Plan can be new document, existing document, or a functionally-equivalent document composed of existing documents and local ordinances

• The SWRP should include integrated metrics-based analysis:
  • Water Quality Projects Analysis
  • Storm Water Capture and Use Projects Analysis
  • Water Supply and Flood Control Projects Analysis
  • Environmental and Community Benefits Analysis
  • Information and Data Management
IRWMP Stormwater or Flood Reduction Projects

- 69. SJCFCWCD Ardelle Avenue Stormwater Improvements
- 70. Smith Canal
- 71. Wisconsin Avenue Pump Station
- 72. Gill Creek and Woodbridge Road Flood Control
- 97. RD 404 Interior Drainage and Pump Station Improvements
Agencies planning on submitting stormwater/flood related projects in Round 2?
THANK YOU!
MEMORANDUM OF UNDERSTANDING TO FORM A REGIONAL WATER MANAGEMENT GROUP

1 Purpose and Goals

The purpose of this Memorandum of Understanding (MOU) is to form a coordinating committee (hereinafter referred to as the "Greater San Joaquin County Regional Water Coordinating Committee" or "Coordinating Committee") of members that wish to participate in the Integrated Regional Water Management Planning (IRWMP). This MOU hereby creates the Coordinating Committee and sets forth the goals and the rules by which it will operate.

The goals of the Coordinating Committee are:

- To develop a comprehensive planning document to facilitate regional cooperation in providing water supply reliability, water recycling, water conservation, water quality improvement, stormwater capture and management, flood management, and environmental and habitat protection and improvement.
- To foster coordination, collaboration, and communication between Coordinating Committee organizations and interested stakeholders, to achieve greater efficiencies, enhance public services, and build public support for vital projects.
- To support the procurement of State and Federal grant funding.

2 Non-binding Nature

This MOU and participation in this MOU and IRWMP efforts are non-binding; a member may withdraw from participation at any time.

3 Coordinating Committee Membership

Any organization with an interest in IRWMP may join the Coordinating Committee. Members could include but are not limited to such organizations as: water agencies, conservation groups, agriculture representatives, community action groups, businesses, tribal groups, and land use entities.

4 Coordinating Committee Representation

Each Coordinating Committee member that is an organization will identify their lead representative for the Coordinating Committee and will attend Coordinating Committee meetings to make decisions. Coordinating Committee members may choose to identify one (1) alternate but they are encouraged to have the primary representative attend the Coordinating Committee meetings for consistency.
5 Joining and Leaving

To join the Coordinating Committee, a prospective member must notify the Coordinating Committee of their intent to join, then sign this MOU. To discontinue their participation in the Coordinating Committee a member may do so at any time by notifying the Coordinating Committee and signing the Notice of Withdrawal, at which point they will no longer be a member of the Coordinating Committee.

6 Decision-Making

At its inaugural meeting, the Coordinating Committee will initiate preparation of a decision-making charter outlining the process for making decisions. All signatories to the MOU will agree and adhere to the decision-making charter.

7 Financing

To be eligible for funding through many State programs, projects must be included in an IRWMP that conforms to the most recent Guidelines. San Joaquin County will provide the funding to update the Greater San Joaquin County IRWMP to conform to 2016 DWR IRWMP Guidelines.

To expedite the grant application process, San Joaquin County may provide initial funding for a consultant to develop grant applications. The total cost of the consultant and applications shall be shared by those entities with projects included in the grant applications. If an entity does not put forth a project for a grant application, that entity is not responsible for providing funding for that grant application. An entity seeking grant funding may also elect to be responsible for all application preparation costs and decline initial funding assistance from the County.
MEMORANDUM OF UNDERSTANDING
GREATER SAN JOAQUIN COUNTY
INTEGRATED REGIONAL WATER MANAGEMENT REGION

October 22, 2019
Date

County of San Joaquin
Organization

Primary Representative
Name: Matt Zidar
Email: mzidar@sjgov.org
Telephone: 209-953-7460
Mailing Address: 1810 East Hazelton Avenue, Stockton, CA 95205

Secondary Representative
Name: Glenn Prasad
Email: gprasad@sjgov.org
Telephone: 209-953-7611
Mailing Address: 1810 East Hazelton Avenue, Stockton, CA 95205
IN WITNESS THEREOF, this Memorandum of Understanding has been executed by the parties hereto:

COUNTY OF SAN JOAQUIN,
a political subdivision of the State of California

By: 

MIGUEL A. VILLAPUDUA
Chair, Board of Supervisors
County of San Joaquin County,
State of California

By: 

RACHÉL DeBORD
Deputy Clerk of the Board of Supervisors
of the County of San Joaquin,
State of California

RECOMMENDED FOR APPROVAL

By: 

KRIS BALAJI, PMP, P.E.
Director of Public Works

APPROVED AS TO FORM

By: 

LAWRENCE P. MEYERS
Deputy County Counsel
SIGNATURE PAGE
MEMORANDUM OF UNDERSTANDING
GREATER SAN JOAQUIN COUNTY INTEGRATED REGIONAL WATER MANAGEMENT REGION

10/14/19
Date

Catholic Charities of the Diocese of Stockton Environmental Justice
Organization

Primary Representative
Name: Veronica Tovar
Email: vtovar@ccstockton.org
Telephone: 209-396-6921
Mailing Address: 1106 N. El Dorado Street, Stockton, CA 95202

Secondary Representative
Name: Jonathan Pruitt
Email: jpruitt@ccstockton.org
Telephone: 209-396-6934
Mailing Address: 1106 N. El Dorado Street, Stockton, CA 95202
9-17-19

Date

Central Delta Water Agency

Organization

Primary Representative
Name: Dante John Namellini Sr.
Email: ngmplus@pacbell.net
Telephone: 209 465-5883
Mailing Address: P.O. Box 1461 Stockton, CA 95201

Secondary Representative
Name: Dante John Namellini Jr.
Email: ngmplus@pacbell.net
Telephone: 209 465-5883
Mailing Address: P.O. Box 1461 Stockton, CA 95201
SIGNATURE PAGE
MEMORANDUM OF UNDERSTANDING
GREATER SAN JOAQUIN COUNTY
INTEGRATED REGIONAL WATER MANAGEMENT REGION

September 19, 2019
Date

City of Lodi
Organization

Primary Representative
Name: Stephen Schwabauer, City Manager
Email: sschwabauer@lodi.gov
Telephone: 209-333-6700
Mailing Address: P.O. Box 3001, Lodi, CA 95241

Secondary Representative
Name: Charles E. Swimley, Jr.
Email: cswimley@lodi.gov
Telephone: 209-333-6700
Mailing Address: P.O. Box 3001, Lodi, CA 95241

Approved as to Form:

JANICE D. MAGDICH
City Attorney

Page 3 of 4
MEMORANDUM OF UNDERSTANDING
GREATER SAN JOAQUIN COUNTY
INTEGRATED REGIONAL WATER MANAGEMENT REGION

Date

North San Joaquin Water Conservation District

Primary Representative
Name: __________________________
Email: __________________________
Telephone: _______________________
Mailing Address: __________________

Secondary Representative
Name: Joe Valente
Email: j.c.valente @ softcom.net
Telephone: 209-481-0611
Mailing Address: 13683 N. Hwy 88
Lodi, Ca 95240
MEMORANDUM OF UNDERSTANDING
GREATER SAN JOAQUIN COUNTY
INTEGRATED REGIONAL WATER MANAGEMENT REGION

Date: 9/17/19

Organization: Reclamation District No. 2074 (Brookside)
Per Resolution of Trustees on 9/17/2019

Primary Representative
Name: George V. Hartmann
Email: gvhlaw@gmail.com
Telephone: 209 956 9940
Mailing Address: 3425 Brookside Road Suite #16
Sanger, CA 93657

Secondary Representative
Name: To be named
Email:
Telephone:
Mailing Address:

By: George V. Hartmann
District Counsel
IN WITNESS THEREOF, this Memorandum of Understanding has been approved by the Stockton East Water District on September 3, 2019.

By: [Signature]

Melvin Panizza, President
Board of Directors

Primary Representative
Name: Scot A. Moody
Email: smoody@sewd.net
Telephone: (209) 948-0333
Mailing Address: P.O. Box 5157 Stockton, CA 95205

Secondary Representative
Name: Cathy Lee
Email: clee@sewd.net
Telephone: (209) 948-0333
Mailing Address: P.O. Box 5157 Stockton, CA 95205
MEMORANDUM OF UNDERSTANDING
GREATER SAN JOAQUIN COUNTY
INTEGRATED REGIONAL WATER MANAGEMENT REGION

10.4.19

Date

Delta-Sierra Group, Sierra Club

Organization

Primary Representative
Name: Mary Elizabeth
Email: mebeth@outlook.com
Telephone: 209-547-8869
Mailing Address: PO Box 4848, Stockton CA 95204

Secondary Representative
Name: Margo Praus
Email: MargoPraus@msn.com
Telephone: 209-670-4442
Mailing Address: DSG, PO Box 9258, Stockton CA 95208
IN WITNESS THEREOF, this Memorandum of Understanding has been adopted by the Board of Directors of the South Delta Water Agency on September 4, 2019

By: JERRY ROBINSON, PRESIDENT
SOUTH DELTA WATER AGENCY

Primary Representative
Name: JOHN HERRICK
Email: jherrlawaol.com
Telephone: (209) 663-9148
Mailing Address: 1806 W. Kettleman Lane Suite L, Lodi, CA 95242

Secondary Representative
Name: Mary Hildebrand
Email: hildfarmgmail.com
Telephone: (209) 403-4082
Mailing Address: 23445 S. Hayes Rd. Manteca 95337
MEMORANDUM OF UNDERSTANDING
GREATER SAN JOAQUIN COUNTY
INTEGRATED REGIONAL WATER MANAGEMENT REGION

IN WITNESS THEREOF, this Memorandum of Understanding has been approved by the South San Joaquin Irrigation District on August 27, 2019.

By:  

DAVE KAMPER, President
South San Joaquin Irrigation District

Primary Representative
Name:  JOHN HOLBROOK
Email:  SHOLBROOK@SSJID.COM
Telephone:  (209) 986-4739
Mailing Address:  PO BOX 747 RIPON, CA 95366

Secondary Representative
Name:  BRANDON NAKAGAWA
Email:  BNAKAGAWA@SSJID.COM
Telephone:  (209) 247-4613
Mailing Address:  SAME
Welcome to the Greater San Joaquin County Regional Water Coordinating Committee. Formed in 2019, the GSJCRWCC will work together to develop and implement an Integrated Regional Water Management Plan (IRWMP) that meets the requirements of California’s Integrated Regional Water Management program.

Integrated Regional Water Management (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.

About Us

- History

In 2019, an MOU to establish a regional water management group referred to as the Greater San Joaquin County Regional Coordinating Committee (Coordinating Committee) was executed by the County of San Joaquin, Catholic Charities of the Diocese of Stockton Environmental Justice, Central Delta Water Agency, City of Lodi, North San Joaquin Water Conservation District, Reclamation District No. 2074 (Brookside), Stockton East Water District, Delta-Sierra Group (Sierra Club), South Delta Water Agency, and South San Joaquin Irrigation District. The GSJCRWCC is a Regional Water Management Group as defined in California Water Code §10539.

It is the intent of the GSJCRWCC to develop and implement an Integrated Regional Water Management Plan (IRWMP) that meets the requirements of Code §10540 and §10541. After the IRWMP has been updated (anticipated by spring 2020), the projects in the IRWMP will be eligible for IRWM implementation grant funding.

Proposition 1 authorized $510 million in grant funds Statewide to support implementation of projects identified in an IRWMP which meets California Department of Water Resources (DWR) requirements. Out of this total, $31 million has been allocated to the San Joaquin River Hydrologic Region, of which $6.5 Million will be available within the area covered by the GSJCRWCC.

Prior to the GSJCRWCC, the Eastern San Joaquin County Groundwater Basin Authority was the Regional Water Management Group. The 2007 and 2014 Eastern San Joaquin IRWMPs were prepared under direction of the GBA. GBA has been inactive since 2017, and will be proposed to be terminated per mutual agreement of the members. The existing 2014 East San Joaquin IRWMP needs to be updated per the most recent 2016 DWR guidelines.
The following GSJCRWCC members work together to develop the Integrated Regional Water Management Plan Update:

**County of San Joaquin**
1810 E. Hazelton Avenue
Stockton, CA 95205
Telephone: 209.468.3100
Fax: 209.468.2999

**City of Lodi**
P.O. Box 3006
Lodi, CA 95241-1910
Telephone: 209.333.6702
Fax: 209.333.6807

**North San Joaquin Water Conservation District**
P. O. Box E
Victor, CA 95253
Telephone: 209.224.0349
Fax: 209.224.0349

**Central Delta Water Agency**
P.O. Box 1461
Stockton, CA 95201
Telephone: 209.465.5883
Fax: 209.465.3956

**South Delta Water Agency**
4255 Pacific Ave., Suite #2
Stockton, CA 95207
Telephone: 209.956.0150
Fax: 209.956.0154

**Stockton East Water District**
6767 E. Main St.
Stockton, CA 95215
Telephone: 209.948.0333
Fax: 209.948.0423

**South San Joaquin Irrigation District**
District Office:
Telephone: (209) 249-4600
Physical Address:
11011 E. Highway 120
Manteca, CA 95336
Telephone: 209.249.4645

**Reclamation District No. 2074 (Brookside)**
3425 Brookside Road, Suite A
Stockton, CA 95219
Telephone: 209.956.9940

**Catholic Charities of the Diocese of Stockton Environmental Justice**
1106 N. El Dorado Street,
Stockton, CA 95202
Telephone: 209.396.6921
info@ccstockton.org

**Delta-Sierra Group, Sierra Club**
PO Box 4848
Stockton, CA 95204
Telephone: 209.547.8869

Chairman
Scot A. Moody
P.O. Box 5157
Stockton, CA 95205
Telephone: 209.948.0333
smoody@sewd.net

Vice-chairman
John Holbrook
PO Box 747,
Ripon, CA 95366
Telephone: 209.986.4739

Secretary
Glenn Prasad
San Joaquin County Department of Public Works
Telephone: 209.953.7611
Fax: 209.468.2999
gprasad@sjgov.org

- MOA (doc link)
- Decision Making Charter (doc link)
- Local Project Sponsor Agreement by and between Contra Costa Water District, Madera County, Merced Irrigation District, San Joaquin County, San Luis & Delta-Mendota Water Authority, and the Environmental Justice Coalition for Water (Proposition 1 Disadvantaged Community Involvement Grant Program) (doc link)
- Letter of Agreement – Establishing Funding Allocation among the San Joaquin River Funding Area for the Integrated Regional Water Management Proposition 1 Implementation Grant Program (doc link)

• Coordinating Committee Representatives

<table>
<thead>
<tr>
<th>#</th>
<th>Agency</th>
<th>Member</th>
<th>Alternate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Delta Sierra Group, Sierra Club</td>
<td>Mary Elizabeth <a href="mailto:mebeth@outlook.com">mebeth@outlook.com</a> 209-547-8869</td>
<td>Margo Praus <a href="mailto:MargoPraus@msn.com">MargoPraus@msn.com</a> 209-670-4442</td>
</tr>
<tr>
<td>2</td>
<td>County of San Joaquin</td>
<td>Glenn Prasad <a href="mailto:gprasad@sjgov.org">gprasad@sjgov.org</a> 209-953-7611</td>
<td>Matt Zidar <a href="mailto:mzidar@sjgov.org">mzidar@sjgov.org</a> 209-953-7460</td>
</tr>
<tr>
<td>3</td>
<td>City of Lodi</td>
<td>Steven Schwabauer <a href="mailto:sschwabauer@lodi.gov">sschwabauer@lodi.gov</a> 209-333-6700</td>
<td>Charles E. Swimley, Jr. <a href="mailto:cswimley@lodi.gov">cswimley@lodi.gov</a> 209-333-6706</td>
</tr>
<tr>
<td>4</td>
<td>North San Joaquin Water Conservation District</td>
<td>-</td>
<td>Joe Valente <a href="mailto:jvalente@softcom.net">jvalente@softcom.net</a> 209-481-0611</td>
</tr>
<tr>
<td>5</td>
<td>Central Delta Water Agency</td>
<td>Dante John Nomellini Sr. <a href="mailto:ngmplcs@pacbell.net">ngmplcs@pacbell.net</a> 209-465-5883</td>
<td>Dante John Nomellini Jr. <a href="mailto:ngmplcs@pacbell.net">ngmplcs@pacbell.net</a> 209-465-5883</td>
</tr>
<tr>
<td>6</td>
<td>South Delta Water Agency</td>
<td>John Herrick <a href="mailto:jherrlaw@aol.com">jherrlaw@aol.com</a> 209-663-9148</td>
<td>Mary Hildebrand <a href="mailto:hildfarm@gmail.com">hildfarm@gmail.com</a> 209-403-4082</td>
</tr>
<tr>
<td>7</td>
<td>Stockton East Water District</td>
<td>Scot A. Moody <a href="mailto:smoody@sewd.net">smoody@sewd.net</a> 209-948-0333</td>
<td>Cathy Lee <a href="mailto:clee@sewd.net">clee@sewd.net</a> 209-948-0333</td>
</tr>
</tbody>
</table>
• **Accomplishments**
  - Formed MOU to develop IRWMP
  - County on behalf of the GSJCRWCC entered into Local Project Sponsor Agreement with Contra Costa Water District to receive $148,000 in grant funds and work on the Disadvantaged Community Involvement Program

• **Contact Us**

The GSJCRWCC values the information and insights we receive from those who visit our website. We are interested in hearing from you.

Att: Glenn Prasad
Greater San Joaquin County Regional Water Coordinating Committee
1810 E. Hazelton Avenue
P. O. Box 1810
Stockton, CA 95201
(209) 468-3089

Glenn Prasad, P.E.
Senior Civil Engineer
gprasad@sjgov.org
IRWMP

- . Agendas & Minutes (Upcoming . . . )
- 2020 IRWMP Update (Upcoming . . . )
- Project Submittal Form – Continuous (Upcoming . . . )
- 2016 DAC Grant Information (Upcoming . . . )
- . 2014 IRWMP (Use same info as GBA website)
- . 2007 IRWMP (Use same info as GBA website)
- . MokeWISE Programs (Use same info as GBA website)
- . Eastern San Joaquin ICU Program (Use same info as GBA website)

Studies & Projects

- . Groundwater Reports (Use same info as GBA website)
- . Groundwater Data Center (Use same info as GBA website)
- . United States Geological Survey (Use same info as GBA website)
- Eastern San Joaquin Groundwater Subbasin Groundwater Sustainability Plan
- . Groundwater Management Plan (OLD) (Use same info as GBA website)
- . Freeport Element (Use same info as GBA website)

Resource Links

- Department of Water Resources Integrated Regional Water Management Grant Programs (Grant Info)
- Department of Water Resources Integrated Regional Water Management (General Info)
- Proposition 1 Information
- Proposition 1 – 2016 IRWM Guidelines
- Proposition 1 – 2019 IRWM Guidelines
- Disadvantaged Community Involvement Program
- California Water Code Section 79744

Public Notices

- (Upcoming . . . )
July 31, 2019

City of Modesto
Madera County
Merced Irrigation District
Regional Water Authority
San Joaquin County Public Works
San Luis & Delta-Mendota Water Authority

Subject: Establishing Funding Allocations among the San Joaquin River Funding Area for the Integrated Regional Water Management Proposition 1 Implementation Grant Program

Contra Costa Water District ("CCWD") sends this letter to document the discussions and agreement reached on the above-referenced subject (establishing funding allocations), by and among the agencies representing each of the Regional Water Management Groups ("RWMG") of the active Integrated Regional Water Management ("IRWM") Regions within the San Joaquin River Funding Area ("SJRFA"), including the City of Modesto, Madera County, Merced Irrigation District, Regional Water Authority, San Joaquin County, San Luis Delta Mendota Water Authority, and CCWD (collectively referred to herein as the "Parties" or "IRWM Region Representatives").

The IRWM Region Representatives intend on cooperating to fulfill the requirements of the Department of Water Resources ("DWR") proposal solicitation process(es) for the Proposition 1 Implementation Grant Program ("Prop 1 Program"). Historically, the IRWM Regions within the SJRFA have bid competitively for available IRWM implementation funding. Over the past year, the Parties have coordinated by sharing regional project priorities, demonstrated funding needs, and pre-allocated DWR funding amongst the active IRWM Regions in the SJRFA.

As specified in DWR's April 2019 Round 1 IRWM Implementation Grant Proposal Solicitation Package ("April 2019 PSP"), there is $24,584,875 in implementation funding available to the SJRFA, including $3,100,000 for Disadvantaged Community ("DAC") projects and $21,484,875 for general projects. The Parties have agreed to pre-allocate the available funding among the participants as more fully described in the attached Exhibit A.

Specifically, the Parties agree to the following:

1. The funding allocations established herein shall be effective on the later of August 1, 2019 or the receipt of the last signed copy of this letter and extend until the expiration or termination of any later executed Prop 1 Program Agreement providing funding to the SJRFA through the April 2019 PSP process or through any later DWR Prop 1 Program solicitation. If a listed Party chooses not to sign this letter, the Party shall provide notification of the decision to all other Parties in writing. The established funding allocations will continue in effect for each of the remaining signing Parties.
Notwithstanding the foregoing, the agreed upon funding allocations and this letter shall be of no more force and effect if two or more Parties decline to sign or withdraw their participation.

2. The funding amounts identified in Exhibit A represent the maximum amount of implementation funding that may be made available to each IRWM Region over the course of all the anticipated Prop 1 Program funding rounds solicited by DWR, subject to renegotiations pursuant to Paragraph 4 of this letter. The sum of all SJRFA IRWM Region funding applications submitted to the Prop 1 Program, collectively or individually, will not exceed the amounts detailed in Exhibit A, unless prior written agreement is obtained from all Parties.

3. For any SJRFA IRWM Regions to which DAC Project funding is allocated, the DAC funding may only be used for projects of which the benefit is at least 75% for DACs, pursuant to the requirements in the April 2019 PSP, or future Prop 1 Program proposal solicitations. Furthermore, any SJRFA IRWM Region assigned DAC project funding through the DWR proposal processes contemplated herein hereby commits to spending at minimum the amounts provided for in Exhibit A on DAC projects in order to fulfill the SJRFA's obligation to spend no less than $3,100,000 on DAC implementation projects.

4. In the event that any IRWM Region will not utilize its allocated funding, the unutilized funding will be made available for other IRWM Regions to use. The SJRFA will convene to discuss and agree upon any reallocation of the unutilized funding. The RWMG(s) foregoing the funds must notify the other Parties of its decision no fewer than 120 days prior to the due date of the nearest upcoming Prop 1 Program DWR proposal solicitation.

Please indicate your agreement with the terms and allocations presented herein by countersigning this letter in the space provided below and return the original to:

Maggie Dutton, Grants Specialist
Contra Costa Water District
P.O. Box H20
Concord, CA 94524

Once a signed original letter is received from all Parties, I will circulate a fully signed color PDF copy.

Sincerely,

Jeff Quimby
Director of Planning

Enclosures

JQ/MJD:kh
Agreed by:

Jeff Quinby, Contra Costa Water District
East Contra Costa County IRWM Region

Date 8/27/19
Establishing Funding Allocations for the IRWM Proposition 1 Implementation Grant Program
July 31, 2019
Page 3

Agreed by:

James Peifer, Regional Water Authority
American River Basin IRWM Region

Date Aug 9, 2019
Establishing Funding Allocations for the IRWM Proposition 1 Implementation Grant Program
July 31, 2019
Page 6

Agreed by:

______________________________  Date: _______________________

Chairman
Greater San Joaquin County Regional Water
Coordinating Committee
Eastern San Joaquin IRWM Region
Establishing Funding Allocations for the IRWM Proposition 1 Implementation Grant Program
July 31, 2019
Page 7

Agreed by:

Tom Wheeler, Chairman RWMG, Madera County
Madera IRWM Region

Date 8-7-19
Establishing Funding Allocations for the IRWM Proposition 1 Implementation Grant Program
July 31, 2019
Page 8

Agreed by:

Mike Murphy, City of Merced
Merced IRWM Region

Date 8/31/19
Agreed by:

Federico Barajas, San Luis & Delta-Mendota Water Authority
Westside-San Joaquin IRWM Region

Date 8/5/19
## Exhibit A

**SJRFA Proposition 1 Implementation Grant Funding Allocation**

<table>
<thead>
<tr>
<th>IRWM Region</th>
<th>Disadvantaged Community Projects</th>
<th>General Projects</th>
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<td>American River Basin</td>
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<td>Eastern San Joaquin</td>
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<td>$6,486,068</td>
</tr>
<tr>
<td>Total</td>
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<td>$21,484,875</td>
<td>$24,584,875</td>
</tr>
</tbody>
</table>
LOCAL PROJECT SPONSOR AGREEMENT
by and between
CONTRA COSTA WATER DISTRICT, MADERA COUNTY, MERCED IRRIGATION DISTRICT, SAN JOAQUIN COUNTY, SAN LUIS & DELTA-MENDOTA WATER AUTHORITY, STANISLAUS COUNTY, REGIONAL WATER AUTHORITY, AND THE ENVIRONMENTAL JUSTICE COALITION FOR WATER
Proposition 1 Disadvantaged Community Involvement Grant Program

Through this Local Project Sponsor Agreement by and between Contra Costa Water District (CCWD), a California special district, Madera County, a California municipal corporation, Merced Irrigation District (Merced ID), a California special district, San Joaquin County Flood Control and Water Conservation District, a political agency in the County of San Joaquin, State of California, San Luis & Delta-Mendota Water Authority (SLDMWA), a joint exercise of powers authority, Stanislaus County, a California municipal corporation, Regional Water Authority, a joint exercise of powers authority, and The Environmental Justice Coalition For Water (EJCW), a non-profit organization in the State of California, collectively referred to as “Local Project Sponsors” or “parties,” the parties hereby agree as follows:

Recitals:

A. WHEREAS, on behalf of the Local Project Sponsors, who are member agencies of various Integrated Regional Water Management (IRWM) groups in the San Joaquin River Funding Area, CCWD submitted a proposal for a Proposition 1 IRWM grant from the State of California, Department of Water Resources (DWR), to help ensure the involvement of disadvantaged communities, economically distressed areas (EDAs), and underrepresented communities (URCs), collectively referred to as “DACs,” in IRWM planning efforts; and

B. WHEREAS, on January 31, 2019, DWR and CCWD entered into Agreement No. 4600012737 (Grant Agreement) awarding to CCWD a grant for Three Million One Hundred Thousand Dollars ($3,100,000) in State funding (State Grant) for the Proposition 1 Disadvantaged Community Involvement Grant Program to be expended over the grant period that extends from January 31, 2019 until July 31, 2022 when the Work Plan will be completed and which is attached hereto and incorporated herein as Attachment A to this Local Project Sponsor Agreement; and

C. WHEREAS, in accordance with Paragraph 5 Local Project Sponsor’s Responsibility of the Grant Agreement, CCWD shall assign Local Project Sponsors to act on behalf of CCWD for the purposes of individual project management, oversight, compliance, and operations and maintenance for the purpose of implementing their respective component parts of the Work Plan (generically referred to as “Local Projects”) included in the Grant Agreement; and

D. WHEREAS, the Grant Agreement contains a Work Plan, Budget, and Schedule describing the responsibilities of each Local Project Sponsor and commitments thereof; and

E. WHEREAS, CCWD will provide necessary financial and administration services associated with implementing the Grant Agreement and this Local Project Sponsor Agreement, including, but not limited to: negotiation and execution of the Grant Agreement and the Local Project Sponsor Agreement, coordination and submittal of quarterly invoices
and reports to DWR, coordination and submittal of a funding plan and accountability reports, as necessary, for advanced funding, coordination and submittal of a grant completion report, organization and performance of annual check-ins with Local Project Sponsors, coordination and submittal of Grant Agreement amendments as necessary, and general coordination with DWR and Local Project Sponsors throughout the term of the Grant Agreement; and

F. WHEREAS, the process by which Local Project Sponsors will submit reimbursement requests to CCWD, and how CCWD will disburse the State Grant to Local Project Sponsors will be governed by this Local Project Sponsor Agreement; and

G. WHEREAS, this Local Project Sponsor Agreement is intended to protect CCWD from liability for executing the Grant Agreement on behalf of the Local Project Sponsors.

NOW, THEREFORE, based on the foregoing recitals, it is hereby agreed between the parties as follows:

AGREEMENT

The recitals set forth above constitute an integral part of this Agreement and are incorporated by this reference as if fully set forth herein.

1. Term of Agreement

This Local Project Sponsor Agreement shall commence and be effective, as between CCWD and a Local Project Sponsor, upon the date of its execution by both CCWD and that Local Project Sponsor. This Agreement will remain in effect so long as the Grant Agreement between CCWD and DWR is in effect, or until terminated by CCWD or the Local Project Sponsor pursuant to the terms of this Local Project Sponsor Agreement, or until the Grant Agreement is terminated by DWR or CCWD pursuant to the terms of the Grant Agreement.

Each Local Project Sponsor shall separately execute this Local Sponsor Agreement which shall at that time become effective as between that Local Agency Sponsor, CCWD, and any and all earlier executing Local Agency Sponsors.

2. State Grant Share and Matching Funds

CCWD will disburse up to Three Million One Hundred Thousand Dollars ($3,100,000) of the State Grant in accordance with the amounts listed in Exhibit B Budget of the Grant Agreement. To be eligible to receive State Grant funds, Local Project Sponsors will implement the Local Projects as described in Exhibit A Work Plan of the Grant Agreement.

There are no matching funds required by the Grant Agreement; however, if modifications to the Grant Agreement occur such that matching funds are required, Local Project Sponsors will provide and document the matching funds in accordance with the Grant Agreement.
Pursuant to DWR requirements as described more fully in Attachment A to this Agreement, Local Project Sponsors may invoice CCWD for grant share reimbursement for eligible costs incurred after the January 22, 2016 in their first invoice. Subsequent invoices will include costs incurred by Local Project Sponsors during the reporting quarter. If total Local Project costs exceed that provided by the State Grant, any additional funding match necessary to complete the Local Project will be documented by Local Project Sponsor in the Final Project Report (described in Paragraph 5 Reporting).

3. Obligations of Local Project Sponsors

Local Project Sponsors are, and at all times will continue to be, in full compliance with the terms and conditions of the Grant Agreement that are applicable to them as a sub-recipient of the State Grant. In accordance with the Grant Agreement, Local Project Sponsors shall act on behalf of CCWD in the fulfillment of CCWD’s responsibilities specified in the Grant Agreement. Local Project Sponsors understand and agree that for purposes of the foregoing, any requirements and responsibilities imposed upon CCWD as Grantee under the Grant Agreement are hereby passed-through to, and adopted by Local Project Sponsors, as obligations of the Local Project Sponsors, excepting only CCWD’s obligations as defined in Paragraph 4 of this Local Project Sponsor Agreement. Further, the Local Project Sponsors acknowledge and agree to comply with any requirements directly imposed on the Local Project Sponsors under the Grant Agreement.

Local Project Sponsors must maintain all financial records associated with the total project cost of their respective Local Projects for inclusion in the Final Project Report.

Local Project Sponsors shall not cause CCWD to be in violation of the Grant Agreement, whether by act or omission.

Local Project Sponsors shall comply with all applicable Federal, State, and local laws, rules, regulations, ordinances, and directives, now existing and as such may change from time-to-time. Any such laws, rules, regulations, ordinances, and directives required thereby to be included in the Grant Agreement or this Local Project Sponsor Agreement are incorporated herein by reference.

4. Obligations of Contra Costa Water District

CCWD shall disburse State Grant funds as required or permitted by the Grant Agreement. Notwithstanding the foregoing, CCWD is not obligated to disburse any State Grant funds to Local Project Sponsors and is not obligated to disburse any other funds until such are authorized and disbursed from DWR to CCWD in accordance with the Grant Agreement requirements.

CCWD will promptly notify Local Project Sponsors of any notices given or actions taken by DWR if such notices or actions are likely to affect the Local Project Sponsors’ performance, duties, obligations or funding under this Local Project Sponsor Agreement, including but not limited to notices from DWR regarding Local Project Sponsor invoices under Paragraph 9 of the Grant Agreement or alleged default by the Local Project Sponsor under Paragraph 12 of the Grant Agreement.

Commencing with DWR’s award of the State Grant on July 30, 2018 and continuing until termination of the Grant Agreement, CCWD will undertake and complete all administrative and
management responsibilities under the Grant Agreement that are not related solely to Local Projects. CCWD has incurred, and will continue to incur, costs for administrative and management responsibilities under the Grant Agreement that are not related solely to Local Projects. At the time of original execution of the Grant Agreement, the State Grant allocates One Hundred Eighty Thousand Six Hundred Fifty Nine Dollars ($180,659) for Grant Agreement and Local Project Sponsor Agreement administration by CCWD in accordance with the requirements of the Grant Agreement. At any time during the Grant Agreement term, if CCWD determines that assigned funds are insufficient to cover direct expenses incurred by CCWD in administration of the Grant Agreement, CCWD will prepare an estimate of additional costs and submit to the Local Project Sponsors for review. Up to $51,841 in additional State funds (for a total of $232,500 or 7.5% of total Grant Agreement funds) from the Grant Agreement budget shall be made available to CCWD to cover administrative costs, subject to justification and provision of supporting documentation.

5. Reporting

In accordance with the terms of the Grant Agreement, CCWD is obligated to submit reports to DWR throughout the term of the Grant Agreement. As such, Local Project Sponsors will provide CCWD with the required data for the Local Project(s) for which each Local Project Sponsor is responsible in accordance with the reporting and submittal requirements described in this section. Notwithstanding the reporting schedule described in this section, CCWD may, at any time, request any additional information from Local Project Sponsors pursuant to any Grant Agreement modification or that may be deemed necessary by CCWD in its sole discretion to provide adequate and sufficient documentation of Local Project status for the purposes of meeting the reporting requirements in the Grant Agreement.

All documentation and reports shall meet generally accepted professional standards for technical reporting and shall be proofread for content, numerical accuracy, spelling, and grammar prior to submittal to State. Reports shall be presented in the formats described in the applicable portion of Exhibit G of the Grant Agreement.

a) Quarterly Progress Reports: On a quarterly basis, CCWD will prepare a Progress Report and submit it to DWR in accordance with the terms of the Grant Agreement. On a quarterly schedule established by CCWD, Local Project Sponsors will provide CCWD with the required documentation for their respective Local Projects in electronic format using a Progress Report template developed by CCWD. Progress Reports shall provide a brief description of the work performed during the reporting period, including: Local Project Sponsor activities, estimate of percent of work complete, milestones achieved, accomplishments, concerns or problems encountered, work anticipated for the next reporting period, and updated schedule or budget inclusive of any changes that have occurred.

Quarterly Progress Reports will be submitted according to the following process:

i. CCWD will request quarterly Progress Report documentation from Local Project Sponsors, who will submit their documentation electronically to CCWD by the fifteenth day (15th) of the calendar month following the end of each quarter.

ii. By the twenty-fifth (25th) day of the same calendar month, CCWD will prepare and distribute a draft quarterly Progress Report to the Local Project Sponsors for review, which shall include a detail of CCWD’s work performed for the quarter.
iii. Local Project Sponsors will provide written corrections to CCWD within five (5) business days of receipt of CCWD's draft quarterly Progress Report.

iv. Within three (3) business days of receipt of timely corrections or approval from Local Project Sponsors, CCWD will incorporate any corrections and submit the final quarterly Progress Report to DWR pursuant to its obligations under the Grant Agreement.

b) Accountability Report (for Advanced Funding): If Local Project Sponsors request Advanced Funding through the procedures described in Paragraph 6 of this Local Project Sponsor Agreement and in Paragraph 9.b of the Grant Agreement, Local Project Sponsors must prepare and submit, on a quarterly basis consistent with submittal of the Progress Report, an Accountability Report that includes the following information:

i. Includes an itemization of how advanced funds have been expended to date (Expenditure Summary), including documentation that supports the expenditures (e.g. contractor invoices, receipts, personnel hours, etc.). Invoices must be itemized based on the categories (i.e., tasks) specified in Exhibit B Budget of the Grant Agreement.

ii. Includes a funding plan that shows how the remaining advanced funds will be spent.

iii. Documents that the advanced funds were spent on eligible reimbursable costs.

c) Final Report: Pursuant to the Grant Agreement, CCWD will submit a Final Report within ninety (90) days of completion of Local Projects in the Grant Agreement. The Final Report must include a Local Project Sponsor summary; description of involvement activities and the projects developed from those activities; discussion of findings from the needs assessment; identification of ongoing barriers, and recommendations for future activities; and a list of references. Local Project Sponsors will provide CCWD with the necessary project documentation for their respective Local Projects and will review drafts of the Final Report as requested by CCWD.

d) Post-Performance Reports: The Grant Agreement describes the requirements for submittal of Post-Performance Reports. However, it is not anticipated that post-performance reports will be a requirement of this program. If Post-Performance Reports are required, Local Project Sponsors will prepare Post-Performance Reports for their respective Local Projects in accordance with the requirements of the Grant Agreement.

Failure of an individual Local Project Sponsors to meet these reporting deadlines constitutes a breach of this Local Project Sponsor Agreement and may cause noncompliance with the requirements of the Grant Agreement. Each Local Project Sponsor will continue to report its activities throughout the State Grant period until the project is completed.

6. Method of Payment

Pursuant to the Grant Agreement, there are two methods of payment available to CCWD, and thereby to Local Project Sponsors, including (a) reimbursement and (b) advanced payment. Both methods require that Local Project Sponsors submit only costs that are eligible project costs as specified in the Grant Agreement. DWR may withhold a percentage of payment on each quarterly invoice ("retention") of up to 5% of the invoice amount. If a percentage of grant funds is withheld
by DWR for any Local Project in the Grant Agreement, CCWD may withhold the same percentage from payment on Local Project Sponsors’ invoices.

a) Reimbursement – Reimbursement is the typical payment method for state grants and involves invoicing and repayment of project costs in arrears. Reimbursement will be the default payment method for State Grant funds, unless Local Project Sponsors are eligible for and elect for Advanced Payment.

Under the Reimbursement method of payment, CCWD will solicit invoices for eligible project costs at the same frequency and timing as the quarterly Progress Reports described in Paragraph 5 of this Local Project Sponsor Agreement. CCWD will solicit invoices no more than quarterly. Along with any and all invoices submitted to CCWD, Local Project Sponsors must also submit backup documentation that sufficiently supports claimed costs. If invoice and sufficient backup documentation is not received by CCWD from the Local Project Sponsor by the timing specified in Paragraph 5, the individual Local Project Sponsor invoice(s) will not be included in the submittal to DWR and payment of the Local Project Sponsor costs will be delayed until a future quarter. CCWD will remit payment of Local Project Sponsors’ invoice(s) within thirty (30) business days of receipt of State Grant funds from DWR. CCWD will remit payment of withheld retention, if applicable, to Local Project Sponsor(s) within thirty (30) business days of receipt of retained State Grant funds from DWR.

Invoices submitted to CCWD, and thereafter by CCWD to DWR, for Reimbursement shall include the information specified in Paragraph 9 Method of Payment in the Grant Agreement.

b) Advanced Payment – Advanced Payment method provides financial flexibility to Local Project Sponsors that opt to have access to State Grant funding prior to or immediately following incurrence of project costs. Water Code §10551 authorizes advanced payment by State for projects that are sponsored by a nonprofit organization, a DAC, or the Local Project Sponsor of a project that benefits a DAC. If Local Projects are awarded less than $1,000,000 in grant funds, the Local Project Sponsors may receive an advanced payment of 50% of the grant award; the remaining 50% of the grant award will be reimbursed in arrears.

i. Advanced Funding Request to DWR
Within fifteen (15) calendar days after execution of the Grant Agreement, CCWD will notify Local Project Sponsors of their eligibility to receive Advanced Payment funding.

Within fifteen (15) calendar days after the above notice is provided by CCWD, Local Project Sponsors must elect whether or not to participate in the Advanced Payment option. Local Project Sponsors that request the Advanced Payment option shall submit with its request the following information:

1. A Funding Plan which shows how the advanced funds will be expended within 18 months of this Grant Agreement’s execution. (i.e., for what, how much, and when)

2. A discussion of the Local Project Sponsor’s financial capacity to complete the project once the advanced funds have been expended.
Within ninety (90) calendar days after execution of the Grant Agreement, CCWD may submit to DWR an Advanced Payment Request in accordance with the requirements of the Grant Agreement. The Advanced Payment Request will include the Local Project Sponsors’ requests and Funding Plans. The Advanced Payment Request will also include an Advanced Payment invoice, prepared by CCWD with input from Local Project Sponsors and in accordance with the requirements in the Grant Agreement, containing the funding request for each qualified Local Project. In accordance with the Grant Agreement, DWR will authorize payment of the advanced funds to CCWD within sixty (60) calendar days of receiving the Advanced Payment invoice.

ii. Local Project Sponsor Advanced Funding Requests to CCWD

Advanced Funding is available to Local Project Sponsors for eligible work consistent with the Grant Agreement. CCWD will accept requests for Advanced Funding from Local Project Sponsors on a quarterly basis. Local Project Sponsors may request Advanced Funding for eligible project costs at the same frequency and timing as the quarterly Progress Reports described in Paragraph 5 of this Local Project Sponsor Agreement. A request for Advanced Funding from a Local Project Sponsor to CCWD must include:

1. A copy of the quarter’s Accountability Report prepared by the Local Project Sponsor.
2. A written description of the tasks or subtasks in Exhibit A of the Grant Agreement for which the Advanced Funding will pay.
3. A schedule and supporting description of the timeline for completion of the work for which the Advanced Funding will pay.
4. If costs for which Advanced Funding is requested have already been incurred, copies of all invoices and services agreements that support project costs.

iii. Payment of Advanced Funding to Local Project Sponsors

In accordance with the Grant Agreement, CCWD is responsible for the timely distribution of Advanced Funding to individual Local Project Sponsors. CCWD will not distribute Advanced Payment funding to individual Local Project Sponsors that are not party to a Local Project Sponsor Agreement.

CCWD will remit payment of Advanced Funding to Local Project Sponsors that have requested it pursuant to Paragraph 6.b.ii. within thirty (30) calendar days of receipt of the Advanced Funding from DWR. If there is a delay by CCWD in payment of the requested Advanced Funding to Local Project Sponsors, CCWD will communicate the delay to Local Project Sponsors.

Once CCWD and Local Project Sponsors have expended all advanced funds, then the method of payment will revert to the Reimbursement process specified in Paragraph 6.a) of this Local Project Sponsor Agreement and relevant sections of the Grant Agreement. Local Project Sponsor(s) must utilize all Advanced Funding and provide to CCWD supporting documentation of the disbursement of Advanced Funding, or repay any portion of the advanced funds as may be appropriate, before CCWD will remit any further grant funding allocated to the Local Project Sponsor(s) under the Grant Agreement.
iv. Additional Reporting for Advanced Funding
On a quarterly basis, to coincide with submittal of quarterly Progress Reports described in Paragraph 5 of this Local Project Sponsor Agreement, Local Project Sponsors will submit to CCWD, and thereafter CCWD will submit to DWR, an Accountability Report prepared in accordance with the reporting requirements of the Grant Agreement and Paragraph 5.b) of this Local Project Sponsor Agreement. For their respective Local Projects, Local Project Sponsors shall provide CCWD with sufficient documentation and data to meet the reporting requirements of the Accountability Report. If CCWD or DWR finds that any portion or portions of the expenditures claimed in the Accountability Report are not eligible costs or consistent with the tasks in Exhibit A of the Grant Agreement, CCWD or DWR will reject the claim and remove the proposed project costs from the Accountability Report.

If Advanced Funding is disbursed by CCWD to a Local Project Sponsor prior to costs being incurred, upon completion of the work and incurrence of project costs for which Advanced Funding was used, Local Project Sponsors shall provide CCWD with invoices, services agreements, and/or other supporting documentation that supports incurred costs. CCWD will review documentation provided by Local Project Sponsors to confirm that work performed is consistent with the Local Project Sponsor’s Accountability Report and Advanced Funding request, and CCWD will include the documentation in a quarterly report to DWR.

v. Conditions for Repayment of Advances
The Grant Agreement contains provisions and requirements for repayment of advances that apply to CCWD and therefore to Local Project Sponsors, in accordance with the relationship and responsibilities developed by and between CCWD and Local Project Sponsors by execution of this Local Project Sponsor Agreement. If the State demands repayment of all or any portion of the Advanced Funding pursuant to the conditions described in Paragraph 10 of the Grant Agreement, Local Project Sponsors, inclusive of CCWD, will be responsible for repayment of the specified Advanced Funding amounts to the State for the Advanced Funds, along with interest, that have been disbursed to the Local Project Sponsor.

If conditions arise that result in termination of this Local Project Sponsor Agreement pursuant to Paragraph 18 of this agreement, or if an individual Local Project Sponsor terminates its participation in this agreement pursuant to the same paragraph, all Advanced Funding previously paid by CCWD to the Local Project Sponsor(s), irrespective of work completed, must be returned to CCWD in a single payment within three (3) months of the termination activity.

Notwithstanding anything to the contrary in this Agreement, each Local Project Sponsor shall defend, indemnify and hold harmless CCWD, its members, elected and appointed officers, employees, and agents from any and all liability, actions, claims, costs, and expenses, including attorneys’ fees, related to that Local Project Sponsor’s failure to comply with any repayment request or requirement imposed by DWR. The Parties to this Agreement hereby acknowledge and agree that in the event that one or more Local Agency Sponsors receiving advanced funding fail to comply with any repayment request or requirement imposed by DWR pursuant to this Agreement or the Grant
Agreement and DWR subsequently makes a demand for repayment of all or a portion of the advanced funds provided pursuant to the Grant Agreement, CCWD may, in its sole discretion, seek reimbursement or repayment from all Local Agency Sponsors receiving advanced funding, including CCWD, on an equal share basis of the repayment demand by DWR, regardless of whether the Local Agency Sponsor receiving advanced funding is in default. CCWD shall first make reasonable efforts to seek repayment from the defaulting Local Agency Sponsor or Sponsors consistent with its obligations pursuant to Paragraph 4 of this Agreement.

7. Third Party Beneficiaries

If more than one Local Project Sponsor Agreement is executed between CCWD and responsible agencies identified in the Grant Agreement, Local Project Sponsors acknowledge and affirm that every other responsible agency specified in the Grant Agreement is a third party beneficiary of this Local Project Sponsor Agreement and that Local Project Sponsors of this agreement are third party beneficiaries of every other Local Project Sponsor Agreement executed for the purposes of implementing the Grant Agreement.

8. Communication

All notices or notifications under this Local Project Sponsor Agreement shall be in writing addressed to the persons set forth in this section.

All notices or notifications to CCWD shall be sent to:
   Maggie Dutton
   Contra Costa Water District
   P.O. Box H20
   Concord, CA 94524
   Email: mdutton@ccwater.com

All notices or notifications to Madera County shall be sent to:
   Jeannie Habben
   Madera County
   200 West Fourth St.
   Madera, CA 93637
   Email: jeannie.habben@madera county.com

All notices or notifications to Merced ID shall be sent to:
   Hicham Eltal
   Merced Irrigation District
   744 W 20th St.
   Merced, CA 95340
   Email: heltal@mercedid.org
All notices or notifications to San Joaquin County Flood Control and Water Conservation District shall be sent to:

Brandon Nakagawa  
San Joaquin County  
P.O. Box 1810  
Stockton, CA 95201-3018  
Email: bnakagawa@sjgov.org

All notices or notifications to SLDMWA shall be sent to:

Andrew Garcia  
San Luis & Delta Mendota Water Authority  
P.O. Box 2157  
Los Banos, CA 93635  
Email: andrew.garcia@sldmwa.org

All notices or notifications to Stanislaus County shall be sent to:

Dhyan Gilton  
Stanislaus County  
1010 Tenth Street, Suite 4200  
Modesto, CA 95354  
Email: giltond@stancounty.com

All notices or notifications to Regional Water Authority shall be sent to:

Rob Swartz  
Regional Water Authority  
5620 Birdcage St #180  
Citrus Heights, CA 95610  
Email: rswartz@rwah2o.org

All notices or notifications to EJCW shall be sent to:

Colin Bailey  
Environmental Justice Coalition for Water  
PO Box 188911  
Sacramento, CA 95818-8911  
Email: colin@ejcw.org

9. Flow Through of Specific Grant Requirements

Participants will comply with all applicable provisions of the Local Project Sponsor Agreement and Grant Agreement.

10. Inspection of Records

Pursuant to the Grant Agreement, DWR is entitled to inspect and make copies of any records pertaining to the program and Local Project Sponsors are required to make available for such inspection accurate records of all costs, disbursements, and documentation as necessary to
comply with the requirements of the Grant Agreement. Local Project Sponsors hereby expressly agree to comply with these requirements.

11. Indemnification

CCWD shall defend, indemnify, and hold Local Project Sponsors and their respective members, elected and appointed officers, employees, and agents harmless from any and all liability, actions, claims, costs, and expenses, including attorneys’ fees, caused by the willful misconduct or sole negligence of CCWD, its officers, directors, agents, or employees in CCWD’s performance under this Local Project Sponsor Agreement, except to the extent caused by the negligent acts, errors, or omissions of Local Project Sponsors, their officers, agents, or employees.

A Local Project Sponsor shall defend, indemnify, hold CCWD and other Local Project Sponsors and their respective members, elected and appointed officers, employees, and agents harmless from any and all liability, actions, claims, costs, and expenses, including attorneys’ fees, caused by the willful misconduct or the negligent acts, errors, or omissions of that specific Local Project Sponsor, their officers, directors, agents, or employees in that specific Local Project Sponsors’ performance under this Local Project Sponsor Agreement, except to the extent caused by the sole negligence or willful misconduct of CCWD, its officers, agents, or employees.

12. Breach

Non-compliance by any Local Project Sponsors with any applicable provision of this Local Project Sponsor Agreement or the Grant Agreement, including but not limited to Section 12 Default Provisions, shall constitute a breach of this Local Project Sponsor Agreement. The waiver by either party of a breach of any provision of this Local Project Sponsor Agreement by the other, or by the State with regard to the Grant Agreement shall not operate or be construed as a waiver of any subsequent breach.

13. Dispute Resolution

The parties to this Local Project Sponsor Agreement shall meet promptly to address any dispute that may arise and make a good faith effort to negotiate a resolution. The use by any party of any remedy specified herein for the enforcement of this Local Project Sponsor Agreement is not exclusive and shall not deprive any party of, or limit the application of, any other remedy provided by law.

14. Governing Law

This Local Project Sponsor Agreement, its construction, and all work performed under it shall be governed by the laws of the State of California. Venue shall be proper only in the Superior Court of Contra Costa County.

15. Severability

If any provision of this Local Project Sponsor Agreement is held invalid or unenforceable by a court of final jurisdiction, all other provisions of this Local Project Sponsor Agreement shall be remain valid and in force and be construed in such a manner so as to affect the original intent of the parties to the maximum extent possible.
16. Amendment

This Local Project Sponsor Agreement may be changed only by a written amendment duly signed by all parties to this Local Project Sponsor Agreement.

Any amendment to the Grant Agreement made pursuant to the Standard Condition D.4 of the Grant Agreement, including amendment to the terms, requirements, work plan, budget, schedule, or exhibits of the Grant Agreement, will thereafter apply in full to this Local Project Sponsor Agreement. If an amendment to the Grant Agreement conflicts with the content of this Local Project Sponsor Agreement, the Local Project Sponsor Agreement shall be amended to remedy such conflicts.

17. Entire Agreement

This Local Project Sponsor Agreement, together with the attachments hereto, is the complete and exclusive statement of understanding between the parties, and supersedes any and all previous understandings or agreements, whether written or oral, and all communications between the parties relating to the subject matter of this Local Project Sponsor Agreement.

18. Termination

A Local Project Sponsor may, at any time and without cause, terminate its individual participation in this Local Project Sponsor Agreement by providing written notice to CCWD of its termination. Notwithstanding any other provision of this Local Project Sponsor Agreement, if an individual Local Project Sponsor terminates its participation in this Local Project Sponsor Agreement, it shall not under any circumstances be responsible or liable for disrupting or discontinuing the disbursement of the State Grant funds allocated to other agencies as described in the Grant Agreement.

Upon the effectiveness of a Local Project Sponsor’s termination of its participation in this Local Project Sponsor Agreement, that Local Project Sponsor’s remaining allocation of the grant funds, if any, will be redistributed to the remaining parties in accordance with this Local Project Sponsor Agreement and the Grant Agreement. Any Local Project Sponsor terminating its participation in this Local Project Sponsor Agreement must continue to comply with the reporting obligations to CCWD, as described in Paragraph 5 of this Local Project Sponsor Agreement and in the Grant Agreement.

This Local Project Sponsor Agreement will remain in full force and effect as to the Local Project Sponsors that do not terminate their participation in the Local Project Sponsor Agreement.

The provisions of Paragraph 9 in this Local Project Sponsor Agreement shall survive termination of this Local Project Sponsor Agreement and shall remain in force through the later of the termination date of the Grant Agreement or when grant closeout activities are completed.

19. Successors and Assigns

This Local Project Sponsor Agreement and all of its provisions shall apply to and bind the successors and assigns of each and every party to this Local Project Sponsor Agreement. Local Project Sponsors shall not assign their rights or delegate their duties under this Local Project Sponsor Agreement.
Agreement. Any attempted assignment or delegation shall be null and void, and constitute a material breach of this Local Project Sponsor Agreement.

20. Priority of Documents

The provisions of the Grant Agreement shall prevail over provisions of this Local Project Sponsor Agreement.

21. Counterpart Signatures

This Local Project Sponsor Agreement may be executed in counterparts each of which shall be deemed to be an original but all of which taken together shall constitute one and the same Local Project Sponsor Agreement.

IN WITNESS THEREOF, this Local Project Sponsor Agreement has been executed by the parties hereeto:
CONTRA COSTA WATER DISTRICT

By: Jeff Quimby, Director of Planning

Dated: 5/15/19
MADERA COUNTY

By: Tom Wheeler, County Supervisor,
Madera RWMG Chairperson

Dated: 2-28-19
MERCEI IRRIGATION DISTRICT

By: Hicham Eltal, Deputy General Manager, Water Rights/Supply

Dated: February 21, 2019
COUNTY OF SAN JOAQUIN
a political subdivision of the State of California

By: MIGUEL A. VILLAPUDUA,
Chair, Board of Supervisors of the County
of San Joaquin, State of California

Dated: 10/22/19

ATTEST

By: RACHÈL DeBORD, Clerk, Board of
Supervisors of the County of San Joaquin,
State of California

Dated: 10/22/19

RECOMMENDED FOR APPROVAL

By: KRIS BALAJI, PMP, P. E., Director of
Public Works

Dated: __________

APPROVED AS TO FORM

By: LAWRENCE P. MEYERS, Deputy County
Counsel

Dated: __________

THE FOREGOING IS A CORRECT COPY
OF THE ORIGINAL ON FILE IN THIS OFFICE

ATTEST October 28, 2019
Clerk of the Board of Supervisors
Of the County of San Joaquin, State of California

by:_____________________ Deputy
Local Project Sponsor Agreement for
DWR Grant Agreement No. 4600012737
Page 21 of 22

THE ENVIRONMENTAL JUSTICE COALITION FOR WATER

By: Colin Bailey, Executive Director

Dated: March 12, 2019
GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA (DEPARTMENT OF WATER RESOURCES) AND
CONTRA COSTA WATER DISTRICT
AGREEMENT NUMBER 4600012737
2016 PROPOSITION 1 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) DISADVANTAGED
COMMUNITY INVOLVEMENT GRANT
CALIFORNIA WATER CODE § 79740 ET SEQ.

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR" and Contra Costa Water District, a public water agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee", which parties do hereby agree as follows:

1. PURPOSE. State shall provide funding from the Water Quality, Supply and Infrastructure Improvement Act of 2014 (Proposition 1) to Grantee to assist in financing projects associated with the San Joaquin River Funding Area pursuant to Chapter 7 (commencing with §79740) of Division 26.7 of the California Water Code, hereinafter collectively referred to as "IRWM Program." A "project" is defined as a group of activities as set forth in Exhibit A (Work Plan).

2. TERM OF GRANT AGREEMENT. The term of this Grant Agreement begins on the date this Grant Agreement is executed by State, and terminates on July 31, 2022 or when all of the Parties' obligations under this Grant Agreement are fully satisfied, whichever occurs earlier. Execution date is the date the State signs this Grant Agreement.

3. GRANT AMOUNT. The maximum amount payable by the State under this Grant Agreement shall not exceed $3,100,000.

4. GRANTEE'S RESPONSIBILITY. Grantee and its representatives shall:
   a) Faithfully and expeditiously perform or cause to be performed all project work as described in Exhibit A (Work Plan) and in accordance with Exhibit B (Budget) and Exhibit C (Schedule).
   b) Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Grant Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Grantee in the application, documents, amendments, and communications filed in support of its request for Water Quality, Supply and Infrastructure Improvement, Act of 2014 financing.
   c) Comply with all applicable California laws and regulations.
   d) Implement the projects in accordance with applicable provisions of the law.
   e) Fulfill its obligations under the Grant Agreement, and be responsible for the performance of the projects.

5. LOCAL PROJECT SPONSOR’S RESPONSIBILITY. Grantee shall assign Local Project Sponsors to act on behalf of Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. Local Project Sponsors shall be assigned in accordance with the participating agencies identified in the San Joaquin River Funding Area Disadvantaged Community Involvement grant proposal. Exhibit F identifies Local Project Sponsors. Local Project Sponsors shall also act on behalf of Grantee in the fulfillment of Grantee responsibilities where specifically specified in this Grant Agreement.

6. BASIC CONDITIONS. State shall have no obligation to disburse money for projects under this Grant Agreement until Grantee has satisfied the following conditions (if applicable):
   a) Grantee must demonstrate the groundwater compliance options set forth on pages 11 and 12 of the IRWM Program Guidelines, dated July 2016 are met.
   b) Grantee submits deliverables as specified in Paragraph 17 of this Grant Agreement and in Exhibit A.
c) Prior to the commencement of construction or implementation activities, Grantee shall submit the following to the State for each project:

1) Final plans and specifications certified by a California Registered Professional (Civil Engineer or Geologist, as appropriate) for the approved projects as listed in Exhibit A of this Grant Agreement.

2) Environmental Documentation:
   i) Grantee submits to the State all applicable environmental permits,
   ii) Documents that satisfy the CEQA process are received by the State,
   iii) State has completed its CEQA compliance review as a Responsible Agency, and
   iv) Grantee receives written concurrence from the State of Lead Agency’s CEQA documents and State notice of verification of environmental permit submittal.

State’s concurrence of Lead Agency’s CEQA documents is fully discretionary and shall constitute a condition precedent to any work (i.e., construction or implementation activities) for which it is required. Once CEQA documentation has been completed, State will consider the environmental documents and decide whether to continue to fund the projects or to require changes, alterations or other mitigation. Grantee must also demonstrate that it has complied with all applicable requirements of the National Environmental Policy Act by submitting copies of any environmental documents, including environmental impact statements, Finding of No Significant Impact, and mitigation monitoring programs as may be required prior to beginning construction/implementation.

7. DISBURSEMENT OF FUNDS. State will disburse to Grantee the amount approved, subject to the availability of funds through normal State processes. Notwithstanding any other provision of this Grant Agreement, no disbursement shall be required at any time or in any manner which is in violation of, or in conflict with, federal or state laws, rules, or regulations, or which may require any rebates to the federal government, or any loss of tax-free status on state bonds, pursuant to any federal statute or regulation.

8. ELIGIBLE PROJECT COST. Grantee shall apply State funds only to Eligible Project Costs in accordance with applicable provisions of the law. Work performed on the projects after January 22, 2016, shall be eligible for reimbursement.

Costs that are not eligible for reimbursement include, but are not limited to the following items:

a) Operation and maintenance costs.

b) Purchase of equipment that is not an integral part of a project.

c) Establishing a reserve fund.

d) Purchase of water supply.

e) Replacement of existing funding sources for ongoing programs.

f) Support of existing agency requirements and mandates (e.g., punitive regulatory agency requirement).

g) Purchase of land in excess of the minimum required acreage necessary to operate as an integral part of a project, as set forth and detailed by engineering and feasibility studies.

h) Payment of principal or interest of existing indebtedness or any interest payments unless the debt is incurred after execution of this Grant Agreement, the State agrees in writing to the eligibility of the costs for reimbursement before the debt is incurred, and the purposes for
which the debt is incurred are otherwise eligible costs. However, this will only be allowed as
Grantee Cost Share (i.e., Funding Match).

i) Payment of stipends

j) Application preparation costs for other funding opportunities not consistent with IRWM.

k) Meals not directly related to travel.

l) Acquisition of real property (land or easements).

m) Overhead not directly related to the project.

9. METHOD OF PAYMENT.

a) Reimbursement – Submit a copy of invoice for costs incurred and supporting documentation
to the DWR Project Manager via Grant Review and Tracking System (GRanTS). Additionally,
the original invoice form with signature and date (in ink) of Grantee’s Project Representative,
as indicated in Paragraph 23 of this Grant Agreement, must be sent to the DWR Project
Manager for approval. Invoices submitted via GRanTS shall include the following information:
1) Costs incurred for work performed during the period identified in the particular invoice.

2) Invoices shall be submitted on forms provided by State and shall meet the following format
requirements:

i) Invoices must contain the date of the invoice, the time period covered by the invoice,
and the total amount due.

ii) Invoices must be itemized based on the categories (i.e., tasks) specified in Exhibit B. The
amount claimed for salaries/wages/consultant fees must include a calculation formula
(i.e., hours or days worked times the hourly or daily rate = the total amount claimed).

iii) Sufficient evidence (e.g., receipts, copies of checks, time sheets) as determined by the
State must be provided for all costs included in the invoice.

iv) DWR Project Manager will notify Grantee, in a timely manner, when, upon review of an
invoice, the State determines that any portion or portions of the costs claimed are not
eligible costs or are not supported by documentation or receipts acceptable to State.
Grantee may, within thirty (30) calendar days of the date of receipt of such notice,
submit additional documentation to State to cure such deficiency(ies). After the
disbursement requirements in Paragraph 6 “Basic Conditions” are met, State will
disburse the whole or portions of State funding to Grantee, following receipt from
Grantee via U.S. mail or Express mail delivery of a “wet signature” invoice for costs
incurred, and timely Quarterly Progress Reports as required by Paragraph 17
“Submission of Reports.” Payment will be made no more frequently than monthly, in
arrears, upon receipt of an invoice bearing the Grant Agreement number.

b) Advanced Payment – Water Code §10551 authorizes advanced payment by the State for
projects which are sponsored by a nonprofit organization; a disadvantaged community
(DAC); or, the proponent of a project that benefits a DAC. If these projects are awarded less
than $1,000,000 in grant funds, the project proponent may receive an advanced payment of
50% of the grant award; the remaining 50% of the grant award will be reimbursed in arrears.
Water Code §10551 further authorizes DWR to adopt additional requirements regarding the
use of the advanced payment to ensure that the funds are used properly. Within 90 calendar
days of execution of the Grant Agreement, the Grantee shall provide DWR an Advanced
Payment Request. The Advanced Payment Request must contain the following:
1) Documentation demonstrating that each Local Project Sponsor was notified about their eligibility to receive an advanced payment and a response from the Local Project Sponsor stating whether it wishes to receive the advanced payment or not, if applicable.

2) If the Grantee or Local Project Sponsor is requesting the advanced payment, the request must also include:
   i) Specification of those projects listed in Exhibit B for which Advanced Payment will be requested and how those projects are consistent with the adopted IRWM Plan.
   ii) A funding plan which shows by project: the budget and anticipated schedule, the amount of advanced funding requested, and how the advanced funds will be expended within 18 months of this Grant Agreement’s execution. (i.e., for what, how much, and when)
   iii) A discussion of the Grantee or Local Project Sponsor’s financial capacity to complete the project once the advanced funds have been expended.

3) If a Grantee or Local Project Sponsor is requesting advanced payment, Grantee shall also submit a single Advanced Payment invoice, itemized containing the request for each qualified project, to the DWR Project Manager with signature and date (in ink) of Grantee’s Project Representative, as indicated on in Paragraph 23 page 10 of this Agreement. The Grantee shall be responsible for the timely distribution of the advanced funds to the individual Local Project Sponsors. Within 60 calendar days of receiving the Advanced Payment invoice and subject to the availability of funds, State will authorize payment of the advanced funds sought of 50% of the grant award for the qualified project(s).

The Advance Payment Invoice shall be submitted on forms provided by State and shall meet the following format requirements:
   i) Invoice must contain the date of the invoice, the time period covered by the invoice, and the total amount due.
   ii) Invoice must be itemized based on the projects (i.e., tasks) specified in Exhibit B.
   iii) DWR Project Manager will notify Grantee, in a timely manner, when, upon review of an Advance Payment Invoice, the State determines that any portion or portions of the costs claimed are not eligible costs. Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to cure such deficiency(ies). After the disbursement requirements in Paragraph 6 “Basic Conditions” (6a and 6b) only) are met, State will disburse the whole or portions of State funding to Grantee, following receipt from Grantee via US mail or Express mail delivery of a “wet signature” invoice for costs incurred, including Cost Share, and timely Progress Reports as required by Paragraph 17 “Submission of Reports.”

4) On a quarterly basis, the Grantee will submit an Accountability Report to DWR that demonstrates how actual expenditures compare with the scheduled budget. The Accountability Report shall include the following information:
   i) An itemization of how advanced funds have been expended to date (Expenditure Summary), including documentation that supports the expenditures (e.g., contractor invoices, receipts, personnel hours, etc.). Invoices must be itemized based on the projects (i.e., tasks) specified in Exhibit B.
   ii) A funding plan, itemized by project, which shows how the remaining advanced funds will be expended.
iii) Documentation, signed by the Project Representative, that the funds were placed in a 
non-interest bearing account, including the dates of deposits and withdrawals from 
that account.

DWR Project Manager will notify Grantee, in a timely manner, when, upon review of the 
Expenditure Summary, the State determines that any portion or portions of the 
expenditures claimed are not eligible costs. Grantee may, within thirty (30) calendar days 
of the date of receipt of such notice, submit additional documentation to cure such 
deficiency(ies). If costs are not consistent with the tasks in Exhibit B, the State will reject the 
claim and remove them from the Expenditure Summary.

Once Grantee has expended all advanced funds, then the method of payment will revert 
to the reimbursement process specified in Paragraph 9a) and any remaining requirements 
of Paragraph 6.

10. REPAYMENT OF ADVANCES. State may demand repayment from Grantee of all or any portion of 
the advanced State funding along with interest at the California general obligation bond interest 
rate at the time the State notifies the Grantee, as directed by State and take any other action 
that it deems necessary to protect its interests for the following conditions:

a) A project is not being implemented in accordance with the provisions of this Grant 
   Agreement.

b) Grantee has failed in any other respect to comply with the provisions of this Grant Agreement, 
   and if Grantee does not remedy any such failure to State’s satisfaction.

Repayment amounts may also include:

c) Advance funds which have not been expended within 18 months of the Grant Agreement’s 
   execution by the Local Project Sponsor.

d) Actual costs incurred are not consistent with the Exhibit A (Work Plan) activities, not supported, 
   or are ineligible.

e) At the completion of the project, the funds have not been expended.

For conditions 10 c) and 10 d), repayment may consist of deducting the amount from future 
reimbursement invoices.

State may consider Grantee’s refusal to repay the requested advanced amount a substantial 
breach of this Grant Agreement subject to the default provisions in Paragraph 12, “Default 
Provisions.” If State notifies Grantee of its decision to demand repayment or withhold the entire 
funding amount from Grantee pursuant to this paragraph, this Grant Agreement shall terminate 
upon receipt of such notice by Grantee and the State shall no longer be required to provide 
funds under this Grant Agreement and the Grant Agreement shall no longer be binding on either 
party.

11. WITHHOLDING OF DISBURSEMENTS BY STATE. If State determines that a project is not being 
implemented in accordance with the provisions of this Grant Agreement, or that Grantee has 
failed in any other respect to comply with the provisions of this Grant Agreement, and if Grantee 
does not remedy any such failure to State’s satisfaction, State may withhold from Grantee all or 
any portion of the State funding and take any other action that it deems necessary to protect its 
interests. Where a portion of the State funding has been disbursed to the Grantee and State 
notifies Grantee of its decision not to release funds that have been withheld pursuant to 
Paragraph 12, the portion that has been disbursed shall thereafter be repaid immediately with 
interest at the California general obligation bond interest rate at the time the State notifies the
Grantee, as directed by State. State may consider Grantee’s refusal to repay the requested disbursed amount a contract breach subject to the default provisions in Paragraph 12, “Default Provisions.” If State notifies Grantee of its decision to withhold the entire funding amount from Grantee pursuant to this paragraph, this Grant Agreement shall terminate upon receipt of such notice by Grantee and the State shall no longer be required to provide funds under this Grant Agreement and the Grant Agreement shall no longer be binding on either party.

12. DEFAULT PROVISIONS. Grantee and any Local Project Sponsor receiving grant funding through this Grant Agreement will be in default under this Grant Agreement if any of the following occur:
   a) Substantial breaches of this Grant Agreement, or any supplement or amendment to it, or any other agreement between Grantee and State evidencing or securing Grantee’s obligations.
   b) Making any false warranty, representation, or statement with respect to this Grant Agreement or the application filed to obtain this Grant Agreement.
   c) Failure to operate or maintain project(s) in accordance with this Grant Agreement (Paragraph 18).
   d) Failure to make any remittance required by this Grant Agreement.
   e) Failure to comply with Labor Compliance Program requirements (Paragraph 16).
   f) Failure to submit timely progress reports.
   g) Failure to routinely invoice State.
   h) Failure to meet any of the requirements set forth in Paragraph 13, “Continuing Eligibility.”

Should an event of default occur, State shall provide a notice of default to the Grantee and shall give Grantee at least ten (10) calendar days to cure the default from the date the notice is sent via first-class mail to the Grantee. If the Grantee fails to cure the default within the time prescribed by the State, State may do any of the following:
   1) Declare the funding be immediately repaid, with interest, at the California general obligation bond interest rate at the time the State notifies the Grantee of the default.
   2) Terminate any obligation to make future payments to Grantee.
   3) Terminate the Grant Agreement.
   4) Take any other action that it deems necessary to protect its interests.

In the event State finds it necessary to enforce this provision of this Grant Agreement in the manner provided by law, Grantee agrees to pay all costs incurred by State including, but not limited to, reasonable attorneys’ fees, legal expenses, and costs.

13. CONTINUING ELIGIBILITY. Grantee must meet the following ongoing requirement(s) to remain eligible to receive State funds:
   a) An urban water supplier that receives grant funds governed by this Grant Agreement shall maintain compliance with the Urban Water Management Planning (UWMP) Act (Water Code §10610 et seq.) and Sustainable Water Use and Demand Reduction, Part 2.55 of Division 6 (Water Code §10608 et seq.) by doing the following:
      1) Have submitted their 2015 UWMP and had it deemed consistent by DWR. For more information, visit the following website: http://www.water.ca.gov/urbanwatermanagement.
2) By July 1, 2016, all urban water suppliers must have submitted documentation that demonstrates they are meeting the 2015 interim GPCD target. If not meeting the interim target, also include a schedule, financing plan, and budget for achieving the gallons per capita per day (GPCD) target, as required pursuant to Water Code §10608.24. Starting June 30, 2017, those urban water suppliers that did not meet their 2015 GPCD target must also submit, by June 30, annual reports that include a schedule, financing plan, and budget for achieving the GPCD target (Water Code §10608.24).

b) An agricultural water supplier receiving grant funding must:
   1) Comply with Sustainable Water Use and Demand Reduction requirements outlined in Part 2.55 (commencing with §10608) of Division 6 of the Water Code.
   2) Have their Agricultural Water Management Plan (AWMP) deemed consistent by DWR. For more information, visit the following website: http://www.water.ca.gov/wateruseefficiency/agricultural/agmgmt.cfm.

c) Grantees diverting surface water must maintain compliance with diversion reporting requirements as outlined in Part 5.1 of Division 2 of the Water Code.

d) Grantee and Local Project Sponsors must demonstrate compliance with the groundwater compliance options set forth on pages 11 and 12 of the 2016 IRWM Program Guidelines, dated July 2016.

e) Grantee and Local Project Sponsors that have been designated as monitoring entities under the California Statewide Groundwater Elevation Monitoring (CASGEM) Program must maintain reporting compliance, as required by Water Code §10920 and the CASGEM Program.

14. PERMITS, LICENSES, APPROVALS, AND LEGAL OBLIGATIONS. Grantee shall be responsible for obtaining any and all permits, licenses, and approvals required for performing any work under this Grant Agreement, including those necessary to perform design, construction, or operation and maintenance of the Projects. Grantee shall be responsible for observing and complying with any applicable federal, state, and local laws, rules or regulations affecting any such work, specifically those including, but not limited to, environmental, procurement, and safety laws, rules, regulations, and ordinances. Grantee shall provide copies of permits and approvals to State.

15. RELATIONSHIP OF PARTIES. Grantee is solely responsible for design, construction, and operation and maintenance of projects within the work plan. Review or approval of plans, specifications, bid documents, or other construction documents by State is solely for the purpose of proper administration of funds by State and shall not be deemed to relieve or restrict responsibilities of Grantee under this Grant Agreement.

16. LABOR COMPLIANCE. The Grantee agrees to be bound by all the provisions of the Labor Code regarding prevailing wages and shall monitor all contracts subject to reimbursement from this Agreement to assure that the prevailing wage provisions of the Labor Code are being met. Current Department of Industrial Relations (DIR) requirements may be found at: http://www.dir.ca.gov/lcp.asp. For more information, please refer to DIR’s Public Works Manual at: http://www.dir.ca.gov/dlse/PWManualCombined.pdf.

17. SUBMISSION OF REPORTS. The submittal and approval of all reports is a requirement for the successful completion of this Grant Agreement. Reports shall meet generally accepted professional standards for technical reporting and shall be proofread for content, numerical accuracy, spelling, and grammar prior to submittal to State. If requested, Grantee shall promptly provide any additional information deemed necessary by State for the approval of reports. Reports shall be presented in the formats described in the applicable portion of Exhibit G.
timely submittal of reports is a requirement for initial and continued disbursement of State funds. Submittal and subsequent approval by the State of a Final Report is a requirement for the release of any funds retained for such projects.

a) Progress Reports: Grantee shall submit progress reports quarterly to meet the State’s requirement for disbursement of funds. The progress reports shall be sent via e-mail to the State’s Project Manager and shall be uploaded into GRanTS at the frequency specified in Exhibit C (Schedule). The progress reports shall provide a brief description of the work performed during the reporting period including: Grantee’s activities, milestones achieved, any accomplishments, and any problems encountered in the performance of the work under this Agreement.

b) Accountability Report: Grantee shall submit, on a quarterly basis, an Accountability Report by individual Local Project Sponsor (if applicable) that at a minimum:

1) Includes an itemization of how advanced funds have been expended to date (Expenditure Summary), including documentation that supports the expenditures (e.g. contractor invoices, receipts, personnel hours, etc.). Invoices must be itemized based on the categories (i.e., tasks) specified in Exhibit B.

2) Includes a funding plan which shows how the remaining advanced funds will be expended.

3) Provides an accounting of distribution of the advanced funds to the appropriate Local Project Sponsor (if applicable).

4) Documents that the funds were spent on eligible reimbursable costs.

5) Documentation that the funds were placed in a non-interest bearing account, including the dates of deposits and withdrawals from that account.

c) Final Report: Upon completion of the projects included in Exhibit A, Grantee shall submit to State a Final Report. The Final Grant Completion Report shall be submitted within ninety (90) calendar days of completion of the projects. The Final Report shall include a stakeholder summary; description of involvement activities and the projects developed from those activities; discussion of findings from the needs assessment, identification of ongoing barriers, and recommendations for future activities; and a list of references. Retention will not be disbursed until the Final Report is submitted to and approved by the State.

d) Post-Performance Reports: Grantee shall submit Post-Performance Reports, if applicable. Post-Performance Reports shall be submitted to State within ninety (90) calendar days after the first operational year of a construction and implementation project has elapsed. This record keeping and reporting process shall be repeated annually for a total of 3 years after the completed project(s) begins operation.

18. OPERATION AND MAINTENANCE OF PROJECT: For the useful life of construction and implementation projects and in consideration of the funding made by State, Grantee agrees to ensure or cause to be performed the commencement and continued operation of each project, and shall ensure or cause each project to be operated in an efficient and economical manner; shall ensure all repairs, renewals, and replacements necessary to the efficient operation of the same are provided; and shall ensure or cause the same to be maintained in as good and efficient condition as upon its construction, ordinary and reasonable wear and depreciation excepted. The State shall not be liable for any cost of such maintenance, management, or operation. Grantee or their successors may, with the written approval of State, transfer this responsibility to use, manage, and maintain the property. For purposes of this Grant Agreement,
“useful life” means period during which an asset, property, or activity is expected to be usable for the purpose it was acquired or implemented; “operation costs” include direct costs incurred for material and labor needed for operations, utilities, insurance, and similar expenses, and “maintenance costs” include ordinary repairs and replacements of a recurring nature necessary for capital assets and basic structures and the expenditure of funds necessary to replace or reconstruct capital assets or basic structures. Refusal of Grantee to ensure operation and maintenance of the projects in accordance with this provision may, at the option of State, be considered a breach of this Grant Agreement and may be treated as default under Paragraph 12, “Default Provisions.”

19. STATEWIDE MONITORING REQUIREMENTS. Grantee shall ensure that all groundwater projects and projects that include groundwater monitoring requirements are consistent with the Groundwater Quality Monitoring Act of 2001 (Part 2.76 (commencing with §10780) of Division 6 of California Water Code) and, where applicable, that projects that affect water quality shall include a monitoring component that allows the integration of data into statewide monitoring efforts, including where applicable, the Surface Water Ambient Monitoring Program carried out by the State Water Resources Control Board. See Exhibit H (Requirements for Statewide Monitoring and Data Submittal), for web links and information regarding other State monitoring and data reporting requirements.

20. NOTIFICATION OF STATE. Grantee shall promptly notify State, in writing, of the following items:
   a) Events or proposed changes that could affect the scope, budget, or work performed under this Grant Agreement. Grantee agrees that no change in the scope of a project will be undertaken until written notice of the proposed change has been provided to State and State has given written approval for such change.
   b) Any public or media event publicizing the accomplishments and/or results of this Grant Agreement and provide the opportunity for attendance and participation by State’s representatives. Grantee shall make such notification at least 14 calendar days prior to the event.
   c) Final inspection of the completed work on a project by a California Registered Professional (Civil Engineer or Geologist, as appropriate), in accordance with Standard Condition D.19 in Exhibit D. Grantee shall notify the State’s Project Manager of the inspection date at least 14 calendar days prior to the inspection in order to provide State the opportunity to participate in the inspection.

21. NOTICES. Any notice, demand, request, consent, or approval that either party desires or is required to give to the other party under this Grant Agreement shall be in writing. Notices may be transmitted by any of the following means:
   a) By delivery in person.
   b) By certified U.S. mail, return receipt requested, postage prepaid.
   c) By “overnight” delivery service; provided that next-business-day delivery is requested by the sender.
   d) By electronic means.

Notices delivered in person will be deemed effective immediately on receipt (or refusal of delivery or receipt). Notices sent by certified mail will be deemed effective given ten (10) calendar days after the date deposited with the U. S. Postal Service. Notices sent by overnight delivery service will be deemed effective one business day after the date deposited with the
delivery service. Notices sent electronically will be effective on the date of transmission, which is documented in writing. Notices shall be sent to the addresses set forth in Paragraph 23. Either party may, by written notice to the other, designate a different address that shall be substituted for the one below.

22. **PERFORMANCE EVALUATION.** Upon completion of this Grant Agreement, Grantee’s performance will be evaluated by the State and a copy of the evaluation will be placed in the State file and a copy sent to the Grantee.

23. **PROJECT REPRESENTATIVES.** The Project Representatives during the term of this Grant Agreement are as follows:

- **Department of Water Resources**
  - Arthur Hinojosa
  - Chief, Division of IRWM
  - P.O. Box 942836
  - Sacramento, CA 94236-0001
  - Phone: (916) 653-4736
  - e-mail: arthur.hinojosa@water.ca.gov

- **Contra Costa Water District**
  - Jerry Brown
  - General Manager
  - P.O. Box H20
  - Concord, CA 94524
  - Phone: (925) 688-8034
  - e-mail: JBrown@ccwater.com

Direct all inquiries to the Project Manager:

- **Department of Water Resources**
  - Desiree Ramirez
  - Division of Integrated Regional Water Management
  - 901 P Street, Room 213A
  - Sacramento, CA 94236-0001
  - Phone: (916) 653-0975
  - e-mail: Desiree.Ramirez@water.ca.gov

- **Contra Costa Water District**
  - Maggie Dutton
  - Grants Specialist
  - P.O. Box H20
  - Concord, CA 94524
  - Phone: (925) 688-8132
  - e-mail: MDutton@ccwater.com

Either party may change its Project Representative or Project Manager upon written notice to the other party.

24. **STANDARD PROVISIONS.** The following Exhibits are attached and made a part of this Grant Agreement by this reference:

- Exhibit A – Work Plan
- Exhibit B – Budget
- Exhibit C – Schedule
- Exhibit D – Standard Conditions
- Exhibit E – Authorizing Resolution
- Exhibit F – Local Project Sponsors
- Exhibit G – Report Formats and Requirements
- Exhibit H – Requirements for Statewide Monitoring and Data Submittal
- Exhibit I – State Audit Document Requirements for Grantees
IN WITNESS WHEREOF, the parties hereto have executed this Grant Agreement.

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Arthur Hinojosa, P.Eng. Chief Division of Integrated Regional Water Management
Date 1/31/19

Contra Costa Water District

Jerry Brown, General Manager
Date 1/16/19

Approved as to Legal Form and Sufficiency

Robin Brewer, Assistant Chief Counsel
Office of Chief Counsel
Date 1-28-19

APPROVED AS TO FORM

District Counsel
EXHIBIT A

WORK PLAN

This Work Plan describes the work to be performed (including deliverables) by Contra Costa Water District ("Grantee") on behalf of the San Joaquin River Funding Area (SJRFA) for the Proposition 1 IRWM Disadvantaged Community Involvement (DACI) Grant Program.

The associated general budget and schedule for this work are presented in Exhibits B and C, respectively. Within 30 days of the execution of the Grant Agreement with DWR, to assist with DWR in tracking the work and reviewing and processing invoices, the Grantee will submit to DWR a detailed budget and graphical schedule for each project described herein.

The SJRFA includes ten separate IRWM regions, of which seven have chosen to participate in the DACI Grant Program, including American River Basin, East Contra Costa County, East Stanislaus, Eastern San Joaquin, Madera, Merced, and Westside-San Joaquin. These participating IRWM regions will be referred to as the “Stakeholder Advisory Committee” (SAC). The three IRWM regions choosing not to participate include the Mokelumne-Amador-Caaveras, Tuolumne-Stanislaus, and the Cosumnes, American, Bear, Yuba IRWM Regions. Letters supporting the DACI Grant Program have been submitted to DWR by the regions not participating.

The SJRFA DACI work plan includes a suite of Projects that address disadvantaged community (DAC) water management concerns within the SJRFA. The suite of Projects includes outreach and workshops to DACs to facilitate participation in IRWM decision-making and project planning processes, work to gather information needed to develop a Funding Area-wide needs assessment, and project development activities that address the major water management challenges in the SJRFA.

PROJECT 1: GRANT PROPOSAL AND ADMINISTRATION ASSISTANCE

Local Project Sponsor: San Luis & Delta-Mendota Water Authority

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJRFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:

- Advanced Payment Funding Plan
- Accountability Reports, as required
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary
**Task 2: Grant Proposal**

Develop the SJ RFA DACI grant proposal. Work includes coordination with the SAC and DWR, convening of meetings and conference calls, incorporating DWR comments, and preparation of the draft, revised, and final proposal.

**Deliverables:**

- Draft SJ RFA DACI Grant Proposal
- Final SJ RFA DACI Grant Proposal

**Task 3: Grant Support and Coordination**

Coordinate with the Grantee and Local Project Sponsors to develop and process an amendment to the Grant Agreement after Project 2’s DAC Needs Assessment is performed. As needed, assist the Grantee with Grant Agreement-related coordination, which may include assistance with developing contracts and fulfilling contractual obligations, such as reporting and invoicing.

Perform ongoing coordination between the Grantee, the SAC, and DWR through conference calls, in-person meetings, and email communication. Coordinate a Kick-Off grant administration meeting with the Grantee and Local Project Sponsors.

**Deliverables:**

- Processed Amendment
- Quarterly Meeting Summaries
- Grant Administration Kick-Off Meeting Agenda, Notes, and Sign-In Sheet

**PROJECT 2: DAC NEEDS ASSESSMENT**

**Local Project Sponsor: San Luis & Delta-Mendota Water Authority**

Conduct a Funding Area-wide Needs Assessment to provide a better understanding of the water, wastewater, and stormwater management needs of DACs in the SJ RFA.

**Task 1: Project Administration**

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJ RFA Final Grant Completion Report summarizing work completed under the grant agreement.

**Deliverables:**

- Advanced Payment Funding Plan
- Accountability Reports, as required
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary
Task 2: Needs Assessment

Conduct a Funding Area-wide Needs Assessment to provide a better understanding of the water, wastewater, and stormwater management needs of DACs in the SJRFA. Work will include the following:

- Define and identify DACs within the SJ RFA
- Develop a database of DACs in the funding area
- Collect data regarding the state of water resources in those DACs
- Map data, to include DACs, water quality issues, and water supply issues
- Perform supplemental ground-truthing through community outreach and surveys
- Conduct community outreach and surveys to better understand:
  - technical, managerial, and financial capacity within the DACs,
  - current level of participation in IRWM, if any,
  - challenges and barriers to participation, and
  - ideas to help break through those barriers
- Summarize and evaluate the Needs Assessment information, and prepare a summary report with recommendations.

Draft Needs Assessment report will be provided to the SAC for review and comment. Comments received will be reviewed, and responses prepared and discussed with the SAC. Comments will be incorporated into a final Needs Assessment report to be submitted to DWR.

Deliverables:

- Needs Assessment Database
- Draft Needs Assessment Report with comments
- Final Needs Assessment Report

PROJECT 3: GRANT ADMINISTRATION

Local Project Sponsor: Contra Costa Water District

Task 1: Grant Administration

Administer grant funds and respond to DWR’s reporting and compliance requirements associated with the grant administration. This task includes contract management, coordination of the SAC, submittal of advanced payment request information, work related to the compilation and development of quarterly invoices, progress reports, and accountability reports, and the development of a Final Grant Completion Report.

Deliverables:

- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Advanced Payment Funding Plans (as applicable)
- Quarterly Advanced Payment Accountability Reports (as applicable)
- Final Grant Completion Report
PROJECT 4: SJRFA IRWM REGION COORDINATION

Local Project Sponsor: Contra Costa Water District

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJ RFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Region Coordination

Coordinate work between the staff/representatives of the seven participating IRWM Regions. Work will include coordination and attendance of bi-annual SAC coordination meetings, approximately 16 conference call meetings, and phone calls and emails for additional coordination. Coordination tasks may include attendance by SAC representatives at DAC-related conferences, workshops, and events that support the goals of the program and the efforts of the DAC and SJ RFA.

Work completed to date includes interregional coordination to determine the participating Regions, Funding Area-wide meetings, SAC establishment, and project development. Work also included the acquisition of a consultant for the development of the grant proposal, administration assistance and work related to the Needs Assessment. Coordination has occurred through email, phone calls, in-person meetings, and conference calls.

Deliverables:
- Meeting Agendas, Notes, and Sign-In Sheets, as applicable

PROJECT 5: DISADVANTAGED AND UNDERREPRESENTED COMMUNITIES (URCs) WATER EDUCATION AND IMPROVEMENT PROJECT

Local Project Sponsors: Regional Water Authority, The Environmental Justice Coalition for Water

Project will include targeted needs assessment to Disadvantaged Unincorporated Communities (DUCs), domestic well user support, identification of underrepresented communities, and water-related community outreach and education to the American River Basin communities in the SJ RFA.
Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJRFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:
- Advanced Payment Funding Plan
- Accountability Reports, as required
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Targeted Needs Assessment and Technical Assistance

Targeted needs assessment and technical assistance will build on the SJRFA-wide Needs Assessment work in Project 2 and will include the following:

- Targeted needs assessment for DUCs through data collection, analysis, and mapping work. This will evaluate the potential for access to safe water via community water system consolidation and other long-term solutions.

- Community-specific “ground-truthing” to verify the collected data through targeted interviews with system operators, those who service domestic wells, and residents of suspected DUCs not fully intersected by community water systems. This work will provide a more complete picture of DUC needs in the Region.

- Technical needs assessment to thoroughly determine the needs of American River Basin DUCs and propose solutions. Solutions will also include evaluation of the planning, technical, managerial, and financial steps needed to achieve them.

Deliverables:
- Disadvantaged Unincorporated Communities Mapping Data
- Disadvantaged Unincorporated Communities Report
- List of Interviewees Contacted and Interviewed
- Written Interview Notes
- Three-to-Four Top-Priority Assessments

Task 3: Domestic Well User Support

Support domestic well users by conducting outreach, providing free water quality testing, and assisting well users with testing results. Work will include the following:

- Conduct outreach to domestic well users through informational outreach events, soliciting the support of key institutions and institutional actors such as schools and churches to disseminate information, and door-to-door outreach.
• Provide approximately 150 free water quality testing to low-income households, clusters of households, including state small water systems, and potentially small non-transient non-community water systems that are dependent on well water. Testing will focus on groundwater contaminants known to occur in the area and results will be provided to the DAC well users, the State Water Resource’s Control Board (SWRCB), and uploaded to GeoTracker for Groundwater Ambient Monitoring and Assessment (GAMA). Where requested or established as a precondition to undertaking well water quality testing, personally identifying information may be obscured. For example, submitting well names without an associated address or other person-identifying characteristics (e.g., call the well “Well 02”, not “2451MainStWell02”), consistent with guidance provided by the SWRCB’s GAMA Program.

• After delivering water quality results to the appropriate household resident(s), provide necessary information and guidance on interpretation of and reaction to the results, including possible modifications, consolidations, new well head treatment, point-of-use (POU)/point-of-entry (POE) treatment, etc.

Deliverables:
- Outreach Materials
- Water Quality Results
- Summary of Technical Assistance Next Steps

Task 4: Identification of Underrepresented Communities (URCs)

Conduct approximately 12 interviews with key social service providers, public agency officials, etc., and collect and analyze any existing data on the nexus between water and likely candidate URCs. Document each interview with notes and write-ups of needs and asset assessments. Produce a written profile for each identified URC, including a description of the URC, relevant demographic information, maps, and photos. Consult with the American River Basin IRWM regional water management group and local stakeholders through in-person meetings to review findings, and identify approximately three URC constituencies to examine further. Potential interventions and solutions will be examined for three chosen URCs and a final URC solution set proposal will be prepared.

Deliverables:
- Interview Notes and Write-Ups
- URC Written Profiles
- Meeting Agendas, Notes, and Sign-In Sheets
- Final URC Solution Set Proposal

Task 5: Community Education

Coordinate water-related community outreach and education to the American River Basin DAC within the SJ RFA. Activities will include a Community Water Forum, a Water Justice Leadership Training, and an Environmental Justice Water Tour. Target audiences for these three activities will include: suspected Disadvantaged Communities and/or households, decision-makers such as local and state elected officials, relevant local and state agency staffers, and other stakeholders including community leaders, such as local elected officials, leaders from civic, faith, labor, and trade associations.

Deliverables:
- Community Water Forum Agenda, Sign-In Sheets, and Materials
- Water Justice Leadership Training Material
PROJECT 6: SANTIAGO ISLAND VILLAGE WATER CONSOLIDATION TECHNICAL ASSISTANCE

Local Project Sponsor: Contra Costa Water District

The project consists of connecting the Bethel Island Community of Santiago Island Village (SIV), a Severely Disadvantaged Community who is currently reliant on poor quality well water, with the Diablo Water District (DWD) water system. The project will provide SIV with a solution to water quality and storage issues that have been identified by the State Water Resources Control Board (SWRCB). The project will include outreach to SIV residents, and will result in a successful consolidation of a small community water system with a larger water system.

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJRFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:
- Advanced Payment Funding Plan
- Accountability Reports, as required
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Annexation and Inclusion

Amend the service areas of DWD, Contra Costa Water District, and the Central Valley Project (CVP) to include SIV. Apply to the Local Agency Formation Commission (LAFCO) for a boundary reorganization. Complete County surveyor and recorder, and State Board of Equalization requirements for annexation activities. Coordinate with the U.S. Bureau of Reclamation (Reclamation) to Complete the CVP Inclusion Process.

Deliverables:
- LAFCO Boundary Reorganization Approval
- Copy of Reclamation’s Inclusion Review Findings
- Updated service area maps to include SIV

Task 3: Environmental Documentation

Prepare all necessary environmental documentation. It is anticipated this project will be exempt from CEQA compliance. Coordinate with Reclamation to perform Endangered Species Act (ESA) and Section 106 National Historic Preservation Act reviews pursuant to Reclamation’s requirements.
Deliverables:

- Copy of Notice of Exemption
- Legal Challenges Letter
- Letter certifying completed ESA and Section 106 review

Task 4: Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- Contra Costa County Encroachment Permit

Deliverables:

- Copy of all required permits

Task 5: Outreach

Develop outreach and educational materials for SIV describing the consolidation process of the SIV well system with DWD water system. Outreach and educational materials will be distributed to SIV residents by the SIV mobile home park management company. Update the East Contra Costa County (ECCC) IRWM website to provide project-specific information on the DAC webpage. Through separate funding, the SWRCB will facilitate three community meetings to further educate and inform SIV residents about the consolidation process.

Deliverables:

- Outreach Materials
- Updated IRWM webpage Link

Task 6: Design

Create the plat and legal descriptions to be submitted to LAFCO and the County. Develop plans and specifications for the proposed new infrastructure from the existing water main through water meter and point of connection with SIV.

Deliverables:

- Plat and Legal Description
- Final Plans and Specifications

Task 7: Construction Contracting

Develop bid documents; prepare advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select contractor; award contract; and issue notice to proceed.

Deliverables:

- Bid Documents
- Proof of Advertisement
- Awarded Contract
- Notice to Proceed
Task 8: Construction Administration
Perform inspections during project construction. Manage the construction contractor during work to install the waterline, meters, and backflow devices in the public right-of-way.

Deliverables:
- Construction Progress Reports
- Notice of Completion Document

Task 9: Construction/Implementation Activities
Construction of water service infrastructure, including pipelines, meters, and backflow devices. Infrastructure will include approximately 360 feet of 4-inch PVC pipe from the existing point of connection to two new master meters, to be installed by the construction contractor. This task may include connection fees to be paid to DWD and CCWD to connect SIV to the water system. This task does not include work related to installation of infrastructure from the water meters to SIV's existing distribution system (on private property)- those fees will be paid for by outside grant funding.

Deliverables:
- Photographic Documentation
- Engineers Certification
- Final As-Built Drawings
- Final Bacteria Test Reports
- Receipt of paid connection fees to DWD

Task 10: Assessment
Conduct a review of the annexation and inclusion process, overall implementation of the model project, and feasibility of similar connection projects for other water systems on Bethel Island, all of which is currently identified as a severely disadvantaged community based on DWR’s online Water Management Planning Tool DAC Places 2016 layer. The Assessment will identify potential benefits for the larger Bethel Island community and potential hurdles based on the success of the model project. Assessment will also address the outreach efficacy and capacity building elements of this project.

Deliverables:
- Assessment of project implementation

PROJECT 7: EVALUATION OF STORMWATER MANAGEMENT AND GROUNDWATER RECHARGE PROJECTS IN DRY CREEK WATERSHED

Local Project Sponsor: Stanislaus County
An alternatives analysis will be performed to identify and evaluate potential flood control, detention, stormwater capture, and groundwater recharge projects within the Dry Creek Watershed. The potential projects identified will improve flood risk management in DACs, enhance water resources through groundwater recharge, improve ecosystem functions, and promote multi-benefit uses within the Dry Creek Watershed.

Task 1: Project Administration
Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJRFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Contract Consultant

Prepare and publish a Request for Proposal for the alternatives analysis. Once bids/proposals are received from consultants, evaluate proposals, select, and notify consultants to be interviewed, and develop final ranking of consultants. Following consultant selection, negotiate a contract with the consultant.

Deliverables:
- Professional Design Services Agreement

Task 3: Conduct Evaluation of Stormwater Management and Groundwater Recharge Projects

Conduct an initial DAC stakeholder meeting to cover potential Dry Creek projects and serve as a venue to receive community comments on the projects.

Prepare a technical memorandum that summarizes available hydrologic and hydrogeologic data and the process that will be used to identify potential projects, including conceptual designs, with an emphasis on multi-benefits use. Compile initial GIS database files in support of this work.

Prepare a second technical memorandum that summarizes the approach to project assessment at a high level (project screening). Project evaluation criteria will include the following: consistency with regional flood management goals, consistency with DAC and local stakeholder goals, enhancement of water resources, promotion of multi-benefit uses, and implementation feasibility.

Deliverables:
- Meeting Minutes and Collected Comments
- Technical Memorandum 1
- Initial GIS Database Files
- Technical Memorandum 2

Task 4: Alternatives Analysis

Identify and evaluate a minimum of ten potential projects, and choose three high-priority potential projects to further investigate and develop in a second future phase of work.

Deliverables:
- Alternatives Analysis
PROJECT 8: EASTERN SAN JOAQUIN REGIONAL PLANNING PROJECT

Local Project Sponsor: San Joaquin County

A multi-pronged outreach and education approach will be performed to increase engagement in IRWM efforts. Project development work on DAC projects will also occur and may include CEQA documentation, design, alternatives analyses, and permitting.

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the Sj RFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:

- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Engagement in IRWM Efforts

Implement a multi-pronged approach to increasing DAC engagement in IRWM efforts in the Region. Specific components include:

- Identify Outreach Targets and Conduct Initial Outreach and Education: Conduct initial outreach to 20 or more relevant groups and provide educational materials and/or presentation to contacts. Outreach will occur via email, phone, and some in-person meetings in order to identify community members or groups for further outreach efforts and participation in discussion sessions. Initial outreach targets will be identified by, first, seeking the advice of existing environmental justice non-profit contacts in the project area, American River Basin IRWM planning region stakeholders, relevant municipal, county, regional, and state government offices (i.e., departments of welfare, human services, public health, planning, emergency services, council of governments, etc.) and elected officials, and, secondly, by surveying and contacting relevant civic, faith, and other organizations with a high likelihood of having a direct relationship with the target DAC populations.

- Local/Regional Discussion Session: Convene approximately 6 local discussion sessions, which will include presentations and discussion of information from the Sj RFA-wide Needs Assessment and complementary information. At least one regional discussion session will screen the Human Right to Water film. Notes will be compiled on feedback received and those who emerge as potential resident leaders will be recruited to participate in water justice leadership training.

- Water Justice Leadership and Capacity-Building Training: Conduct a water leadership and capacity-building training with a minimum of 8 participants to build the basic water knowledge, knowledge of water governance, including IRWM and capacity of local residents to engage productively in water decision-making, including in the identification of water challenges and solutions and how to address, fund, and advance them.
• Regional Water Justice Tour: conduct 2 regional water justice tours of approximately 30 participants. These tours will aim to educate participants on the nature of the problems identified, the communities’ preferred solutions, and to form partnerships to advance those solutions.

• DAC Task Force: Convene 4-6 DAC and Tribal task force meetings within approximately six months. The goal of these meetings will be to routinely and systematically prioritize and advance the interests of DACs and Tribes within the region in reliable access to safe, clean, affordable water for drinking, cooking, personal hygiene, and sanitation, flood risk management, fishing and recreation, and other priorities identified by the group. The “DAC Task Force” is the generic, placeholder name given to the resulting arrangement by which DAC and Tribal representatives are anticipated to integrate into the IRWM governance structure.

• Integrate DAC Task Force into IRWM Governance Structure: Work with the DAC taskforce to integrate with the broader IRWM regional governance structure by means of direct conversation, negotiation, and collaboration with the IRWM regional representatives to incorporate DAC and Tribal voices into the IRWM governance structure.

Deliverables:

□ Outreach Contact List and Call Logs
□ Local/Regional Discussion Session Notes
□ List of Water Justice Leadership and Capacity-Building Training Participants
□ List of Regional Water Justice Tour Participants
□ Regional Water Justice Tour Educational Materials
□ DAC/Tribal Roundtable Meeting Agendas, Notes, and Sign-In Sheets
□ Presentation, education, and training materials developed and used for this project

Task 3: Project Development

Select a project from the Eastern San Joaquin IRWM Plan’s Project list to further develop. Selected project will benefit a DAC or Tribe within the SJ RFA. Project development work may include CEQA documentation, design, alternatives analyses, permitting, or other development work.

Deliverables:

□ Final Project Development Materials
□ Planning, Design, and Environmental Documents, if applicable

PROJECT 9: MADERA REGIONAL PLANNING PROJECT

Local Project Sponsor: Madera County

Project will include capacity building efforts such as educational workshops, water quality sampling, and a water meter assessment in the Madera IRWM Region, located in the SJ RFA.

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to
DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJRFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:
- Advanced Payment Funding Plan
- Accountability Reports, as required
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Capacity Building

Establish a two-year DAC engagement and capacity-building program for regional water management activities in the portion of the Madera IRWM region overlapping the SJRFA. Work will include:

- DAC Coordinating Committee- Outreach, Facilitation, and Ongoing Coordination: Establish a DAC coordination committee that can meet on approximately a monthly basis to discuss DAC needs, ongoing regional water management activities, including new or proposed policies/regulations and/or funding opportunities. The committee will consist of DAC representatives, with RWMG members also attending meetings. Outreach will intentionally connect neighboring communities with one another to develop relationships and cooperation, collaboration, and the sharing of resources and possible services. Ongoing coordination activities include scheduling meetings, developing meeting materials, and providing translation services.
- Education and Capacity Building Activities: Develop educational and outreach materials, coordinate and facilitate at least two educational workshops and one educational tour. Workshop topics will include IRWM program goals and objectives, regional water needs and multi-benefit projects. The educational tour will provide communities and other IRWM members the opportunity to tour each other’s facilities and obtain a better understanding of common needs and opportunities for shared solutions.
- Facilitate DAC Participation at IRWM Meetings: Work with the DAC coordinating committee to identify DAC representatives that can represent the DAC’s collective interest at the Madera RWMG meeting. Coordination agreements such as Charters and Memorandums of Understanding may be developed to document who/how communities will collaborate, communicate, and make decisions and ultimately represent DAC needs at the IRWM meetings.

Deliverables:
- Communication Materials including PowerPoint Presentations, Factsheets, and Brochures
- Meeting Agendas, Notes, and Sign-In Sheets
- Communication/outreach materials, educational materials, list of participants for the workshop and/or tour
- Coordination Agreements, if applicable

Task 3: Water Quality Sampling
Design a regional Water Quality Private Well Testing Program for low-income households relying on individual private wells and seek funding to implement the program. Task will include the development of program materials, water quality sampling, and preparation of a project description for inclusion in the Madera IRWM Plan, as described below:

- Develop Program Materials, including program promotional materials, consent to participate forms, and information about common contaminants, possible health impacts, and replacement water options.
- Conduct Water Sampling of at least seven private wells to demonstrate project need. Contact homeowners and residents to report water quality results and inform about possible health impacts.
- Testing results will be provided to the DAC well users, the State Water Resource’s Control Board (SWRCB), and uploaded to GeoTracker for Groundwater Ambient Monitoring and Assessment (GAMA). Where requested or established as a precondition to undertaking well water quality testing, personally identifying information may be obscured. For example, submitting well names without an associated address or other person-identifying characteristics (e.g., call the well “Well 02”, not “2451MainStWell02”), consistent with guidance provided by the SWRCB’s GAMA Program.
- Prepare Project Description for the implementation of the water well sampling program. This will include a scope of work, budget, and schedule. Project will be placed on the IRWM Plan project list and further funding sources will be explored.

Deliverables:
- Program Materials
- Summary of Water Sampling Results
- Project Description, Scope of Work, Budget, and Schedule
- List of Potential Funding Sources for Project Implementation

Task 4: Water Meter Assessment

Prepare a Water Meter Assessment, to include evaluating meter options for four selected Madera County Maintenance Districts or Service Areas solely comprised of DACs. Work will include:

- Project Coordination and Background: Compile community information, discuss communities with metering needs, and any relevant history related to those communities. Visit the four communities and meet with the system operator to gather additional information specific to the metering needs and circumstances of the community.
- Prepare Assessment: Evaluate meter options, which may include manual read meters, drive-by automatic read meters, or cellular automatic read meters. Coordinate with the County to ensure meter options are compatible with existing meters, meter reading systems, and billing systems, as appropriate. Coordinate with vendors to get appropriate product and budgetary cost information. Compare the pros and cons of the identified meter alternatives, and review with the County and/or community water system representatives. Prepare a preliminary option of probable construction cost for the recommended project and prepare a meter assessment report summarizing the findings and recommendations. The report will be used to seek implementation funding when it is available.

Deliverables:
- Meter Product Information Sheet
- Preliminary Opinion of Probable Construction Cost
- Draft Meter Assessment Report
PROJECT 10: MERCED COUNTY WELL SURVEY AND DATABASE

Local Project Sponsor: Merced Irrigation District

Conduct a field survey of wells in the Merced Groundwater Basin in Merced County that are within DACs or EDAs or that directly serve DACs/EDAs.

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJRFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:

- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Well Survey and Database

Merced Irrigation District, the Merced Area Groundwater Pooled Interest CASGEM representative, acting on behalf of the 17 different entities participating in that group, will conduct a field survey of approximately 248 wells in the Merced Groundwater Basin in Merced County that are within DACs or EDAs or that directly serve DACs/EDAs. The few private wells included in the survey are included in CASGEM and have willingly volunteered for this survey. This project will help support SGMA modeling and data efforts, and those wells that are a part of CASGEM will continue to be updated with the information gathered with this survey. There are some wells that will be sampled that are not a part of CASGEM, but will be included in the survey and therefore included in SGMA analysis. Work includes:

- Survey approximately 248 well locations using North American Datum 1983 (NAD83).
- Measure the ground surface elevation and reference point elevation at each well. Using the North American Vertical Datum 1988 (NAVD88).
- Take two reference photographs- one showing the entire wellhead and survey points and one showing the reference point that was surveyed.
- Gather pertinent information such as well construction, status, and condition.
- Conduct quality assurance and control measures throughout the survey.

The new survey data will be incorporated into a single Microsoft Excel database that is compatible with Merced Irrigation District's HydroDMS database. The survey will bring all wells to a single common datum and will verify the surface data and reference points. This will ensure that the proper measuring point for depth to groundwater is confirmed or adjusted in each well.

Deliverables:

- Report of Survey Activities and Findings
Electronic Database of Survey Results Linked with Photographs

PROJECT 11: SUPPORT FOR DAC INVOLVEMENT IN WESTSIDE-SAN JOAQUIN (WSJ) IRWM PLANNING

Local Project Sponsor: San Luis & Delta-Mendota Water Authority

Conduct a new call for projects, project prioritization, and directed outreach efforts to DACs, including stakeholder meetings, to ensure project participation and submittals. Prepare application for implementation funding on behalf of the WSJ region, comprised of approximately two DAC projects that will benefit the WSJ region within the SJ RFA. Work also includes an update the WSJ IRWM Plan project list and other sections, as necessary.

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJ RFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:
- Advanced Payment Funding Plan
- Accountability Reports, as required
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

Task 2: Support for DAC Involvement in Westside-San Joaquin IRWM Planning

Support for DACs during the WSJ IRWM Plan call for projects, focused outreach activities, and update select sections of the WSJ IRWM Plan related to DACs. Specific work will include:

- Support DACs in Project Solicitation and Prioritization: Facilitate a call for projects for inclusion in the WSJ IRWMP. Perform focused DAC outreach via email and phone calls in order to encourage and support submittal of DAC projects to the Plan. Solicit projects through a web-based format, and provide technical support to DACs during project solicitation. If DACs request additional support, work with the DAC to submit the project on their behalf.

- Stakeholder/DAC Outreach: Update the stakeholder contact list with a focus on identifying representatives from tribes or tribal trust lands, DACs, and underrepresented communities. This list will be used for all IRWM updates. Conduct two public workshops in the WSJ IRWM Region, which is delineated as being 96 percent DAC or SDAC areas. The first workshop is planned for announcement of the IRWM plan update and the project solicitation period and the second workshop will be to announce the public draft requesting comments on the updated WSJ IRWM Plan, including comments from DACs. Perform focused outreach to DACs to help identify and address critical water supply, water quality, and wastewater needs for these communities. Conduct focused outreach calls to DAC contacts to inform them of the WSJ IRWMP update process, ways to participate in IRWM planning, and the opportunity to submit projects to the WSJ IRWMP. Individual, in-person DAC meetings will also be held if requested.
• Prepare DAC-Specific Text: Update relevant sections of the WSJ IRWMP to reflect the RWMG’s understanding of DAC status, needs, and involvement, and describe outreach work completed as part of this task. DAC-related updates will be focused in the following chapters: Governance; Project Solicitation and Prioritization; Financing; and Stakeholder Involvement. DAC-related updates will include information on regional coordination with DACs, funding for DAC projects, WSJ IRWMP projects, and stakeholder participation in WSJ IRWMP activities, including strategies to encourage DAC engagement, and identification of barriers to DAC participation. The support to DACs during project solicitation and prioritization, and stakeholder/DAC outreach conducted under this task will be described in the WSJ IRWMP, as applicable.

Deliverables:

□ Final Project Solicitation Templates
□ List of DACs and Native American Tribal Communities, including contact information
□ DAC and Tribal Communities and a Tracking Spreadsheet
□ Notes on up to 10 focused outreach calls to DAC representatives

Task 3: Prepare and Submit Proposition 1 IRWM Implementation Grant Application

Prepare a Proposition 1 IRWM Implementation Grant Application that includes approximately two projects that benefit DACs within the WSJ region located within the SJRFA. Complete draft application and circulate to project proponents for review. Based on comments received, finalize and submit application.

Deliverables:

□ Draft and Final Application

PROJECT 12: SJRFA DAC TECHNICAL ASSISTANCE

Local Project Sponsor: Contra Costa Water District

SJRFA-wide technical assistance with a focus on developing needs identified during the Project 2 Needs Assessment to support inclusion of DAC projects in future implementation grant applications.

Task 1: Project Administration

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJRFA Final Grant Completion Report summarizing work completed under the grant agreement.

Deliverables:

□ Advanced Payment Funding Plan
□ Accountability Reports, as required
□ Quarterly Progress Reports
□ Quarterly Invoices and Backup Documentation
□ Project Completion Summary
Task 2: Local Technical Assistance

Provide local technical assistance to DACs in order to help them address a variety of issues, such as improving water and wastewater infrastructure, meeting regulatory requirements, and managing finances. Task will include general technical assistance, such as guiding DACs to technical and funding resources, as well as more focused tasks, which may include items such as:

- Detailed median household income survey to confirm DAC status
- Infrastructure assessment
- Rate assessment
- Leak detection
- Digitization of system information
- Energy analyses
- Master plan
- Regulatory compliance/permitting

The work performed under this task will build on the Needs Assessment conducted under Project 2. Specific technical assistance projects will be chosen from those identified during the Needs Assessment and will be selected by the SAC through a consensus-based approach.

Deliverables:
- Surveys, Reports, Plans, or Databases, as applicable

Task 3: Project Planning/Environmental Documentation/Design

Task includes project development work to move DAC projects towards being ready for construction, allowing for not only project implementation, but also inclusion in future grant applications for securing construction funding. Projects that are ready for additional planning work, environmental documentation, or design will be identified by the SAC. These projects may be drawn from IRWM Plans, Urban Water Management Plans, master planning documents, recommended by individual IRWM Regions, or identified as part of the Needs Assessment. The necessary steps for each of the selected projects will be well-defined as a condition of selecting them for further development under this task and may include preparation of preliminary design reports (project scopes, budgets, and schedules), potential design and engineering reviews, and environmental compliance. The SAC will collaboratively decide which projects should be selected for additional project development work. Following project selection, planning, environmental, or design work will occur. Work under this task may also include assisting DACs with developing materials for inclusion in a Proposition 1 IRWM Implementation grant application.

Deliverables:
- Planning, Environmental, or Design Documentation, as appropriate
- Work plans, budgets, and schedules for Proposition 1 IRWM Implementation grant applications for projects identified by the SAC through this task, as appropriate

PROJECT 13: SJRFA DAC CAPACITY BUILDING

Local Project Sponsor: Contra Costa Water District
Additional SJ RFA-wide outreach and capacity building activities with a focus on needs identified during the Project 2 Needs Assessment. This Project will also create a small community toolbox to facilitate small utilities projects, individual focused Needs Assessments, and additional workshops, training, and education.

**Task 1: Project Administration**

Project administration includes compliance with invoicing and grant reporting requirements detailed in Paragraphs 9 and 17 respectively. Work includes preparation of reports detailing work completed during each reporting period, preparation of invoices and back-up documentation for submittal to DWR via the Grantee, and administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Prepare a Project Completion Summary for inclusion within the SJ RFA Final Grant Completion Report summarizing work completed under the grant agreement.

**Deliverables:**
- Advanced Payment Funding Plan
- Accountability Reports, as required
- Quarterly Progress Reports
- Quarterly Invoices and Backup Documentation
- Project Completion Summary

**Task 2: Community Outreach/Capacity Building**

Perform community outreach to develop relationships with DACs and capacity building to increase DACs’ ability to engage with water management activities in their area. Focused community outreach will be identified through the Needs Assessment and will occur through contracted consultant staff and/or IRWM representatives visiting communities at appropriate time and venues, such as existing board meetings. This task also includes the development of outreach materials, such as brochures, that explain IRWM planning or other topics as applicable.

Building on the community outreach component, work to build capacity in DACs. This work is conducted with the goal of enabling DACs to engage more fully with water management activities, and may include hosting a workshop for DAC representatives and IRWM representatives to share information and develop and maintain effective upstream/downstream communication. Capacity building efforts may include focused workshops where DACs and IRWM Region representatives identify needs, review existing information, identify resources, and develop solutions. Other work may include development of coordination agreements to support DACs in representing their needs during the IRWM planning process.

**Deliverables:**
- Meeting Agendas, Notes, Brochures and Sign-In Sheets
- Outreach Materials

**Task 3: Small Community Toolbox**

Create a Small Community Toolbox to facilitate small utilities projects including project development, funding, implementation, and system operation and maintenance. The Toolbox aims to provide small utilities with a central repository for resources related to these projects. The Toolbox will include items...
such as documents, maps, and web links. More specifically, the Toolbox could contain resources to assist with items such as the following:

- Navigating funding programs document
- Cost estimating spreadsheet
- Permitting handbook
- CEQA/NEPA exemptions and checklists
- Rate setting document
- Capital improvement planning document
- Community networking matrix

The web-based Toolbox will be focused on resources that will be the most useful to small utilities within the SJ RFA, which will likely be identified during the Needs Assessment.

**Deliverables:**

- Small Community Toolbox resources and website link

**Task 4: Focused Assessments**

Complete individualized Needs Assessments for up to seven additional DAC water systems or locations in the SJ RFA. Although prior needs assessments have been conducted within the SJ RFA, opportunities still exist to identify DAC needs throughout the SJ RFA, including in areas that are not represented by an IRWM Region, or to drill down into more detail on previously identified DAC issues. Focused assessments will examine capacity and quality of service in water supply, wastewater, and/or flood control systems. Assessments will include outreach to small utility providers.

Additionally, workshops will be held to determine community needs and priorities. Surveys may also be conducted to inform future projects such as capacity-building. Focused assessments will be completed by the contracted consultant team.

**Deliverables:**

- Individual Focused Needs Assessment Reports

**Task 5: Workshops, Training, and Education**

Provide learning opportunities for DACs by coordinating training meetings, as well as the development of educational materials (translated, if necessary), workshop curricula, and education meeting agendas. Materials may also include educational videos. Approximately seven meetings will be held throughout the SJ RFA, with specific attention paid to making these meetings accessible to DACs (in location and timing). Educational tours may also be conducted. Workshops and materials developed under this task may address topics such as IRWM Planning, funding opportunities, water conservation, water quality, wastewater, and groundwater sustainability management. Workshops, training materials, and educational materials will be planned in detail based on the findings of the Needs Assessment conducted under Task 2.

**Deliverables:**

- Workshop and Training Materials
- Meeting Agendas, Notes, and Sign-In Sheets
- Curricula
**EXHIBIT B**  
**BUDGET**

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<thead>
<tr>
<th>Task</th>
<th>Local Project Sponsor</th>
<th>Disadvantaged Community Involvement Project</th>
<th>Grant Amount</th>
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<td>DAC and URC Water Education and Improvement Project</td>
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*Although not required, there are cost share funds being used for these projects from either the Local Project Sponsor or the State Water Resources Control Board.*
## Exhibit C

**Schedule**

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* Asterisk connotes a single event within a month (it could be 'executed' or submitted at any time within that month)

** Projects 1-4, 12, and 13 are Funding Area wide while Projects 5-11 are IRWM Region specific
D.1) ACCOUNTING AND DEPOSIT OF FUNDING DISBURSEMENT:

a) Separate Accounting of Funding Disbursements and Records: Grantee shall account for the money disbursed pursuant to this Grant Agreement separately from all other Grantee funds. Grantee shall maintain audit and accounting procedures that are in accordance with generally accepted accounting principles and practices, consistently applied. Grantee shall keep complete and accurate records of all receipts and disbursements of such funds. Grantee shall require its contractors or subcontractors to maintain books, records, and other documents pertinent to their work in accordance with generally accepted accounting principles and practices. Records are subject to inspection by State at any and all reasonable times.

b) Fiscal Management Systems and Accounting Standards: The Grantee agrees that, at a minimum, its fiscal control and accounting procedures will be sufficient to permit tracing of grant funds to a level of expenditure adequate to establish that such funds have not been used in violation of state law or this Grant Agreement.

c) Disposition of Money Disbursed: All money disbursed pursuant to this Grant Agreement shall be deposited, administered, and accounted for pursuant to the provisions of applicable law and be placed in a non-interest bearing account.

d) Remittance of Unexpended Funds: Grantee shall remit to State any unexpended funds that were disbursed to Grantee under this Grant Agreement and were not used to pay Eligible Project Costs within a period of sixty (60) calendar days from the final disbursement from State to Grantee of funds or, within thirty (30) calendar days of the expiration of the Grant Agreement, whichever comes first.

D.2) ACKNOWLEDGEMENT OF CREDIT: Grantee shall include appropriate acknowledgement of credit to the State and to all cost-sharing partners for their support when promoting the Projects or using any data and/or information developed under this Grant Agreement. During construction of each project, Grantee shall install a sign at a prominent location, which shall include a statement that the project is financed under Water Quality, Supply and Infrastructure Improvement Act of 2014, administered by State of California, Department of Water Resources. Grantee shall notify State that the sign has been erected by providing them with a site map with the sign location noted and a photograph of the sign.

D.3) AIR OR WATER POLLUTION VIOLATION: Under State laws, the Grantee shall not be: (1) in violation of any order or resolution not subject to review promulgated by the State Air Resources Board or an air pollution control district; (2) subject to cease and desist order not subject to review issued pursuant to §13301 of the Water Code for violation of waste discharge requirements or discharge prohibitions; or (3) finally determined to be in violation of provisions of federal law relating to air or water pollution.

D.4) AMENDMENT: This Grant Agreement may be amended at any time by mutual agreement of the Parties, except insofar as any proposed amendments are in any way contrary to applicable law. Requests by the Grantee for amendments must be in writing stating the amendment request and the reason for the request. State shall have no obligation to agree to an amendment.
D.5) **AMERICANS WITH DISABILITIES ACT:** By signing this Grant Agreement, Grantee assures State that it complies with the Americans with Disabilities Act (ADA) of 1990, (42 U.S.C. § 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA.

D.6) **APPROVAL:** This Agreement is of no force or effect until signed by all parties to the agreement. Grantee may not submit invoices or receive payment until all required signatures have been obtained.

D.7) **AUDITS:** State reserves the right to conduct an audit at any time between the execution of this Grant Agreement and the completion of Projects, with the costs of such audit borne by State. After completion of the Projects, State may require Grantee to conduct a final audit to State’s specifications, at Grantee’s expense, such audit to be conducted by and a report prepared by an independent Certified Public Accountant. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant Agreement, and State may elect to pursue any remedies provided in Paragraph 12 or take any other action it deems necessary to protect its interests.

Pursuant to Government Code §8546.7, the Grantee shall be subject to the examination and audit by the State for a period of three years after final payment under this Grant Agreement with respect to all matters connected with this Grant Agreement, including but not limited to, the cost of administering this Grant Agreement. All records of Grantee or its contractor or subcontractors shall be preserved for this purpose for at least three (3) years after project completion or final billing, whichever comes later.

D.8) **BUDGET CONTINGENCY:** If the Budget Act of the current year covered under this Grant Agreement does not appropriate sufficient funds for the Proposition 1 Implementation Grant Program, this Grant Agreement shall be of no force and effect. This provision shall be construed as a condition precedent to the obligation of State to make any payments under this Grant Agreement. In this event, State shall have no liability to pay any funds whatsoever to Grantee or to furnish any other considerations under this Grant Agreement and Grantee shall not be obligated to perform any provisions of this Grant Agreement. Nothing in this Grant Agreement shall be construed to provide Grantee with a right of priority for payment over any other Grantee. If funding for any fiscal year after the current year covered by this Grant Agreement is reduced or deleted by the Budget Act, by Executive Order, or by order of the Department of Finance, State shall have the option to either cancel this Grant Agreement with no liability occurring to State, or offer a Grant Agreement amendment to Grantee to reflect the reduced amount.

D.9) **CALIFORNIA CONSERVATION CORPS:** As required in Water Code §79038(b), Grantee shall examine the feasibility of using the California Conservation Corps or community conservation corps to accomplish the habitat restoration, enhancement and protection activities listed in the Exhibit A, Work Plan, and shall use the services of one of these organizations whenever feasible.

D.10) **CEQA:** Activities funded under this Grant Agreement, regardless of funding source, must be in compliance with the California Environmental Quality Act (CEQA) (Public Resources Code §21000 et seq.). Information on CEQA may be found at the following links:

- Environmental Information: [http://resources.ca.gov/ceqa/](http://resources.ca.gov/ceqa/)
D.11) **CHILD SUPPORT COMPLIANCE ACT**: For any Grant Agreement in excess of $100,000, the Grantee acknowledges in accordance with Public Contract Code §7110, that:

a) The Grantee recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with §5200) of Part 5 of Division 9 of the Family Code; and

b) The Grantee, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.

D.12) **CLAIMS DISPUTE**: Any claim that the Grantee may have regarding performance of this agreement including, but not limited to, claims for additional compensation or extension of time, shall be submitted to the State’s Project Manager, within thirty (30) calendar days of the Grantee’s knowledge of the claim. State and Grantee shall then attempt to negotiate a resolution of such claim and process an amendment to this Agreement to implement the terms of any such resolution.

D.13) **COMPETITIVE BIDDING AND PROCUREMENTS**: Grantee shall comply with all applicable laws and regulations regarding securing competitive bids and undertaking competitive negotiations in Grantee’s contracts with other entities for acquisition of goods and services and construction of public works with funds provided by State under this Grant Agreement.

D.14) **COMPUTER SOFTWARE**: Grantee certifies that it has appropriate systems and controls in place to ensure that state funds will not be used in the performance of this Grant Agreement for the acquisition, operation, or maintenance of computer software in violation of copyright laws.

D.15) **CONFLICT OF INTEREST**: All participants are subject to State and Federal conflict of interest laws. Failure to comply with these laws, including business and financial disclosure provisions, will result in the application being rejected and any subsequent contract being declared void. Other legal action may also be taken. Applicable statutes include, but are not limited to, Government Code, §1090 and Public Contract Code, §10410 and §10411, for State conflict of interest requirements.

a) **Current State Employees**: No State officer or employee shall engage in any employment, activity, or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any State agency, unless the employment, activity, or enterprise is required as a condition of regular State employment. No State officer or employee shall contract on his or her own behalf as an independent contractor with any State agency to provide goods or services.

b) **Former State Employees**: For the two-year period from the date he or she left State employment, no former State officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements, or any part of the decision-making process relevant to the contract while employed in any capacity by any State agency. For the twelve-month period from the date he or she left State employment, no former State officer or employee may enter into a contract with any State agency if he or she was employed by that State agency in a policy-making position in the same general subject area as the proposed contract within the twelve-month period prior to his or her leaving State service.
c) Employees of the Grantee: Employees of the Grantee shall comply with all applicable provisions of law pertaining to conflicts of interest, including but not limited to any applicable conflict of interest provisions of the California Political Reform Act, Government Code §87100 et seq.

d) Employees and Consultants to the Grantee: Individuals working on behalf of a Grantee may be required by the Department to file a Statement of Economic Interests (Fair Political Practices Commission Form 700) if it is determined that an individual is a consultant for Political Reform Act purposes.

D.16) DELIVERY OF INFORMATION, REPORTS, AND DATA: Grantee agrees to expeditiously provide throughout the term of this Grant Agreement, such reports, data, information, and certifications as may be reasonably required by State.

D.17) DISPOSITION OF EQUIPMENT: Grantee shall provide to State, not less than 30 calendar days prior to submission of the final invoice, an itemized inventory of equipment purchased with funds provided by State. The inventory shall include all items with a current estimated fair market value of more than $5,000.00 per item. Within 60 calendar days of receipt of such inventory State shall provide Grantee with a list of the items on the inventory that State will take title to. All other items shall become the property of Grantee. State shall arrange for delivery from Grantee of items that it takes title to. Cost of transportation, if any, shall be borne by State.

D.18) DRUG-FREE WORKPLACE CERTIFICATION: Certification of Compliance: By signing this Grant Agreement, Grantee, its contractors or subcontractors hereby certify, under penalty of perjury under the laws of State of California, compliance with the requirements of the Drug-Free Workplace Act of 1990 (Government Code §8350 et seq.) and have or will provide a drug-free workplace by taking the following actions:

a) Publish a statement notifying employees, contractors, and subcontractors that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees, contractors, or subcontractors for violations, as required by Government Code §8355(a)(1).

b) Establish a Drug-Free Awareness Program, as required by Government Code §8355(a)(2) to inform employees, contractors, or subcontractors about all of the following:
   i) The dangers of drug abuse in the workplace,
   ii) Grantee’s policy of maintaining a drug-free workplace,
   iii) Any available counseling, rehabilitation, and employee assistance programs, and
   iv) Penalties that may be imposed upon employees, contractors, and subcontractors for drug abuse violations.

c) Provide, as required by Government Code §8355(a)(3), that every employee, contractor, and/or subcontractor who works under this Grant Agreement:
   i) Will receive a copy of Grantee’s drug-free policy statement, and
   ii) Will agree to abide by terms of Grantee’s condition of employment, contract or subcontract.

D.19) FINAL INSPECTIONS AND CERTIFICATION OF REGISTERED PROFESSIONAL: Upon completion of the Project, Grantee shall provide for a final inspection and certification by the appropriate registered professional (California Registered Civil Engineer or Geologist) that the Project has
been completed in accordance with submitted final plans and specifications and any modifications thereto and in accordance with this Grant Agreement. Grantee shall notify the State’s Project Manager of the inspection date at least 14 calendar days prior to the inspection in order to provide State the opportunity to participate in the inspection.

D.20) **GRANTEE COMMITMENTS:** Grantee accepts and agrees to comply with all terms, provisions, conditions and commitments of this Grant Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by the Grantee in the application, documents, amendments, and communications filed in support of its request for funding.

D.21) **GRANTEE NAME CHANGE:** Approval of the State’s Program Manager is required to change the Grantee’s name as listed on this Grant Agreement. Upon receipt of legal documentation of the name change the State will process an amendment. Payment of invoices presented with a new name cannot be paid prior to approval of said amendment.

D.22) **GOVERNING LAW:** This Grant Agreement is governed by and shall be interpreted in accordance with the laws of the State of California.

D.23) **INDEMNIFICATION:** Grantee shall indemnify and hold and save the State, its officers, agents, and employees, free and harmless from any and all liabilities for any claims and damages (including inverse condemnation) that may arise out of the Projects and this Agreement, including, but not limited to any claims or damages arising from planning, design, construction, maintenance and/or operation of levee rehabilitation measures for this Project and any breach of this Agreement. Grantee shall require its contractors or subcontractors to name the State, its officers, agents and employees as additional insured on their liability insurance for activities undertaken pursuant to this Agreement.

D.24) **INDEPENDENT CAPACITY:** Grantee, and the agents and employees of Grantees, in the performance of the Grant Agreement, shall act in an independent capacity and not as officers, employees, or agents of the State.

D.25) **INSPECTION OF BOOKS, RECORDS, AND REPORTS:** During regular office hours, each of the parties hereto and their duly authorized representatives shall have the right to inspect and to make copies of any books, records, or reports of either party pertaining to this Grant Agreement or matters related hereto. Each of the parties hereto shall maintain and shall make available at all times for such inspection accurate records of all its costs, disbursements, and receipts with respect to its activities under this Grant Agreement. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant Agreement, and State may withhold disbursements to Grantee or take any other action it deems necessary to protect its interests.

D.26) **INSPECTIONS OF PROJECT BY STATE:** State shall have the right to inspect the work being performed at any and all reasonable times during the term of the Grant Agreement. This right shall extend to any subcontracts, and Grantee shall include provisions ensuring such access in all its contracts or subcontracts entered into pursuant to its Grant Agreement with State.

D.27) **INVOICE DISPUTES:** In the event of an invoice dispute, payment will not be made until the dispute is resolved and a corrected invoice submitted. Failure to use the address exactly as provided may result in return of the invoice to the Grantee. Payment shall be deemed complete upon deposit of the payment, properly addressed, postage prepaid, in the United States mail. Any claim that Grantee may have regarding the performance of this Grant Agreement including, but not limited to claims for additional compensation or extension of time, shall be submitted to the DWR Project Manager within thirty (30) calendar days of
Grantee’s knowledge of the claim. State and Grantee shall then attempt to negotiate a resolution of such claim and process an amendment to the Grant Agreement to implement the terms of any such resolution.

D.28) **NONDISCRIMINATION:** During the performance of this Grant Agreement, Grantee and its contractors or subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex (gender), sexual orientation, race, color, ancestry, religion, creed, national origin (including language use restriction), pregnancy, physical disability (including HIV and AIDS), mental disability, medical condition (cancer/genetic characteristics), age (over 40), marital status, and denial of medial and family care leave or pregnancy disability leave. Grantee and its contractors or subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Grantee and its contractors or subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code §12990 (a-f) et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, §7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code §12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. Grantee and its contractors or subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

Grantee shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Grant Agreement.

D.29) **NO DISCRIMINATION AGAINST DOMESTIC PARTNERS:** For contracts over $100,000 executed or amended after January 1, 2007, the Grantee certifies by signing this Grant Agreement, under penalty of perjury under the laws of State of California that Grantee is in compliance with Public Contract Code §10295.3.

D.30) **OPINIONS AND DETERMINATIONS:** Where the terms of this Grant Agreement provide for action to be based upon, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.

D.31) **PERFORMANCE AND ASSURANCES:** Grantee agrees to faithfully and expeditiously perform or cause to be performed all Project work as described in Exhibit A (Work Plan) and to apply State funds received only to Eligible Project Costs in accordance with applicable provisions of the law.

D.32) **PRIORITY HIRING CONSIDERATIONS:** If this Grant Agreement includes services in excess of $200,000, the Grantee shall give priority consideration in filling vacancies in positions funded by the Grant Agreement to qualified recipients of aid under Welfare and Institutions Code §11200 in accordance with Public Contract Code §10353.

D.33) **PROHIBITION AGAINST DISPOSAL OF PROJECT WITHOUT STATE PERMISSION:** The Grantee shall not sell, abandon, lease, transfer, exchange, mortgage, hypothecate, or encumber in any manner whatsoever all or any portion of any real or other property necessarily connected or used in conjunction with the Projects, or with Grantee’s service of water, without prior permission of State. Grantee shall not take any action, including but not limited to actions relating to user fees, charges, and assessments that could adversely affect the ability of Grantee to meet its obligations under this Grant Agreement, without prior written permission of
State. State may require that the proceeds from the disposition of any real or personal property be remitted to State.

D.34) REMEDIES NOT EXCLUSIVE: The use by either party of any remedy specified herein for the enforcement of this Grant Agreement is not exclusive and shall not deprive the party using such remedy of, or limit the application of, any other remedy provided by law.

D.35) RETENTION: Notwithstanding any other provision of this Grant Agreement, State may, for each project, withhold five percent (5.0%) of the funds requested by Grantee for reimbursement of Eligible Costs. Each project in this Grant Agreement will be eligible to release its respective retention when that project is completed and Grantee has met requirements of Paragraph 17, “Submissions of Reports”, except in the case of the last project to be completed under this Grant Agreement, in which case retention for such project will not be disbursed until the “Final Report” is submitted to and approved by State. State shall disburse retained funds to the Grantee.

D.36) RIGHTS IN DATA: Grantee agrees that all data, plans, drawings, specifications, reports, computer programs, operating manuals, notes and other written or graphic work produced in the performance of this Grant Agreement shall be made available to the State and shall be in the public domain to the extent to which release of such materials is required under the California Public Records Act., Government Code §6250 et seq. Grantee may disclose, disseminate and use in whole or in part, any final form data and information received, collected and developed under this Grant Agreement, subject to appropriate acknowledgement of credit to State for financial support. Grantee shall not utilize the materials for any profit-making venture or sell or grant rights to a third party who intends to do so. The State shall have the right to use any data described in this paragraph for any public purpose.

D.37) SEVERABILITY: Should any portion of this Grant Agreement be determined to be void or unenforceable, such shall be severed from the whole and the Grant Agreement shall continue as modified.

D.38) STATE REVIEWS: The parties agree that review or approval of project applications, documents, permits, plans and specifications or other project information by the State is for administrative purposes only and does not relieve the Grantee of their responsibility to properly plan, design, construct, operate, maintain, implement, or otherwise carry out the projects.

D.39) SUSPENSION OF PAYMENTS: This Grant Agreement may be subject to suspension of payments or termination, or both, and Grantee may be subject to debarment if the State determines that:

a) Grantee, its contractors, or subcontractors have made a false certification, or

b) Grantee, its contractors, or subcontractors violates the certification by failing to carry out the requirements noted in this Grant Agreement.

D.40) SUCCESSORS AND ASSIGNS: This Grant Agreement and all of its provisions shall apply to and bind the successors and assigns of the parties. No assignment or transfer of this Grant Agreement or any part thereof, rights hereunder, or interest herein by the Grantee shall be valid unless and until it is approved by State and made subject to such reasonable terms and conditions as State may impose.

D.41) TERMINATION BY GRANTEE: Subject to State approval which may be reasonably withheld, Grantee may terminate this Agreement and be relieved of contractual obligations. In doing
so, Grantee must provide a reason(s) for termination. Grantee must submit all progress reports summarizing accomplishments up until termination date.

D.42) **TERMINATION FOR CAUSE:** Subject to the right to cure under Paragraph 11, the State may terminate this Grant Agreement and be relieved of any payments should Grantee fail to perform the requirements of this Grant Agreement at the time and in the manner herein, provided including but not limited to reasons of default under Paragraph 12.

D.43) **TERMINATION WITHOUT CAUSE:** The State may terminate this Grant Agreement without cause on 30 calendar days advance written notice. The Grantee shall be reimbursed for all reasonable expenses incurred up to the date of termination.

D.44) **THIRD PARTY BENEFICIARIES:** The parties to this Grant Agreement do not intend to create rights in, or grant remedies to, any third party as a beneficiary of this Agreement, or any duty, covenant, obligation or understanding established herein.

D.45) **TIMELINESS:** Time is of the essence in this Grant Agreement.

D.46) **TRAVEL:** Travel includes the reasonable and necessary costs of transportation, subsistence, and other associated costs incurred by personnel during the term of this Agreement. Travel and per diem expenses to be reimbursed under this Agreement shall be at the same rates the State provides for unrepresented employees in accordance with the provisions of Title 2, Chapter 3, of the California Code of Regulations and shall be reimbursed consistent with the rates current at the time of travel. These rates are published at: http://www.calhr.ca.gov/employees/Pages/travel-meals.aspx, or its successor website. For the purpose of computing such expenses, Grantee’s designated headquarters shall be: 1331 Concord Ave, Concord, CA 94520. No travel outside the San Joaquin River Funding Area shall be reimbursed unless prior written authorization is obtained from the State’s Project Manager.

D.47) **VENUE:** The State and the Grantee hereby agree that any action arising out of this Agreement shall be filed and maintained in the Superior Court in and for the County of Sacramento, California, or in the United States District Court in and for the Eastern District of California. The Grantee hereby waives any existing sovereign immunity for the purposes of this Agreement.

D.48) **WAIVER OF RIGHTS:** None of the provisions of this Grant Agreement shall be deemed waived unless expressly waived in writing. It is the intention of the parties here to that from time to time either party may waive any of its rights under this Grant Agreement unless contrary to law. Any waiver by either party of rights arising in connection with the Grant Agreement shall not be deemed to be a waiver with respect to any other rights or matters, and such provisions shall continue in full force and effect.

D.49) **WORKERS’ COMPENSATION:** Grantee affirms that it is aware of the provisions of §3700 of the Labor Code, which requires every employer to be insured against liability for workers’ compensation or to undertake self-insurance in accordance with the provisions of that code, and Grantee affirms that it will comply with such provisions before commencing the performance of the work under this Grant Agreement and will make its contractors and subcontractors aware of this provision.
EXHIBIT E

AUTHORIZING RESOLUTION

RESOLUTION NO. 18-017

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE CONTRA COSTA WATER DISTRICT AUTHORIZING EXECUTION OF AN AGREEMENT WITH THE CALIFORNIA DEPARTMENT OF WATER RESOURCES FOR THE DISADVANTAGED COMMUNITY INVOLVEMENT GRANT PROGRAM

WHEREAS, on November 14, 2014, California voters approved Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Water Code Section 79700 et seq.) that authorized the Legislature to appropriate $510,000,000 for Integrated Regional Water Management funding; and

WHEREAS, the intent of the Integrated Regional Water Management program is to encourage integrated regional management of water resources and provide funding for projects that support integrated water management planning and implementation; and

WHEREAS, Water Code Section 79745 directs not less than $51 million for the purpose of ensuring the involvement of Disadvantaged Communities, economically distressed areas, and underrepresented communities within regions, with the funds to be awarded on non-competitive basis; and

WHEREAS, the California Department of Water Resources is responsible for administration of the Integrated Regional Water Management funding under Proposition 1 and solicitation of funding proposals for the Disadvantaged Community Involvement Grant Program; and

WHEREAS, there is grant funding of at least $3,100,000 available with no required funding match for the San Joaquin River Funding Area to support the following DWR Disadvantaged Community Involvement Grant Program objectives: (1) work collaboratively to involve Disadvantaged Communities, community-based organizations, and stakeholders in
Resolution No. 18-017  
September 5, 2018  
Page 2

Integrated Regional Water Management planning efforts to ensure balanced access and opportunity for participation in the Integrated Regional Water Management planning process; (2) increase the understanding, and where necessary, identify the water management needs of Disadvantaged Communities on a Funding Area basis; and (3) develop strategies and long-term solutions that appropriately address the identified Disadvantaged Community water management needs; and

WHEREAS, the Contra Costa Water District, together with participating agencies in the San Joaquin River Funding Area, has submitted a funding proposal to the California Department of Water Resources with eligible projects that support the program’s objectives and that will be implemented by Local Project Sponsors; and

WHEREAS, the California Department of Water Resources has approved of the San Joaquin River Funding Area’s proposal for the Disadvantaged Community Involvement Grant Program; and

WHEREAS, each of the seven participating Integrated Regional Water Management regions in the San Joaquin Funding Area unanimously support pursuit of the Disadvantaged Community Involvement Grant Program funding and Contra Costa Water District serving as grantee to an agreement with the Department of Water Resources on behalf of the San Joaquin Funding Area for the grant funds; and

WHEREAS, grant application procedures established by DWR require applicants to provide a copy of a resolution adopted by the applicant’s governing body designating an authorized representative to enter into an agreement to receive grant funding.
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Page 2

NOW, THEREFORE, BE IT RESOLVED that the General Manager, or designee, is hereby authorized to execute any and all agreements and amendments thereto, in a form to be approved by legal counsel, and payment requests that may be necessary to receive Integrated Regional Water Management Disadvantaged Community Involvement Grant Program funding and to complete the terms specified in the funding proposal.

* * * * * * * *

The foregoing Resolution was duly and regularly adopted at a meeting held on the 5th day of September 2018 by the Board of Directors of Contra Costa Water District by the following vote of the Board:

AYES:      Boatmun, Holdaway, Avila, Borba, Burgh

NOES:

ABSTAIN:

ABSENT:

[Signature]
Lisa M. Borba, President

ATTEST:

Mary A. Neher, District Secretary
Grantee has assigned, for each project, a Local Project Sponsor according to the roles of the participating agencies identified in the IRWM Plan. Local Project Sponsors may act on behalf of Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. Local Project Sponsors are identified for each Sponsored Project below:

<table>
<thead>
<tr>
<th>Sponsored Project</th>
<th>Sponsor Agency</th>
<th>Agency Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project 1 - Grant Proposal and Administration Assistance</td>
<td>San Luis &amp; Delta-Mendota Water Authority</td>
<td>P.O. Box 2157 Los Banos, CA 93635</td>
</tr>
<tr>
<td>Project 2 - DAC Needs Assessment</td>
<td>San Luis &amp; Delta-Mendota Water Authority</td>
<td>P.O. Box 2157 Los Banos, CA 93635</td>
</tr>
<tr>
<td>Project 3 - Grant Administration</td>
<td>Contra Costa Water District</td>
<td>P.O. Box H20 Concord, CA 94524</td>
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<td>Project 4 - SJ RFA IRWM Region Coordination</td>
<td>Contra Costa Water District</td>
<td>P.O. Box H20 Concord, CA 94524</td>
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<tr>
<td>Project 5 - DAC and URC Water Education and Improvement Project</td>
<td>Regional Water Authority</td>
<td>5620 Birdcage St #180 Citrus Heights, CA 95610</td>
</tr>
<tr>
<td></td>
<td>Environmental Justice Coalition for Water</td>
<td>P.O. Box 188911 Sacramento, CA 95818-8911</td>
</tr>
<tr>
<td>Project 6 - Santiago Island Village Water Consolidation Technical Assistance</td>
<td>Contra Costa Water District</td>
<td>P.O. Box H20 Concord, CA 94524</td>
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<tr>
<td>Project 7 - Evaluation of Stormwater Management and Groundwater Recharge projects in Dry Creek Watershed</td>
<td>Stanislaus County</td>
<td>1010 Tenth Street, Suite 4200 Modesto, CA 95354</td>
</tr>
<tr>
<td>Project 8 - Eastern San Joaquin Regional Planning Project</td>
<td>San Joaquin County</td>
<td>P.O. Box 1810 Stockton, CA 95201-3018</td>
</tr>
<tr>
<td>Project 9 - Madera Regional Planning Project</td>
<td>Madera County</td>
<td>200 West Fourth St. Madera, CA 93637</td>
</tr>
<tr>
<td>Project 10 - Merced County Well Survey and Database</td>
<td>Merced Irrigation District</td>
<td>744 W 20th St. Merced, CA 95340</td>
</tr>
<tr>
<td>Project 11 - Support for DAC Involvement in Westside-San Joaquin IRWM Planning</td>
<td>San Luis &amp; Delta-Mendota Water Authority</td>
<td>P.O. Box 2157 Los Banos, CA 93635</td>
</tr>
<tr>
<td>Project 12 - SJ RFA DAC Technical Assistance</td>
<td>Contra Costa Water District</td>
<td>P.O. Box H20 Concord, CA 94524</td>
</tr>
<tr>
<td>Project 13 - SJ RFA DAC Capacity Building</td>
<td>Contra Costa Water District</td>
<td>P.O. Box H20 Concord, CA 94524</td>
</tr>
</tbody>
</table>
EXHIBIT G

REPORT FORMATS AND REQUIREMENTS

The following reporting formats should be utilized. Please obtain State approval prior to submitting a report in an alternative format.

PROGRESS REPORTS

Progress reports shall generally use the following format. This format may be modified as necessary to effectively communicate information. For each project, discuss the following at the task level, as organized in Exhibit A (Work Plan):

- Estimate of percent work complete.
- Milestones or deliverables completed during the reporting period.
- Discussion of work accomplished during the reporting period and submission of deliverables per Exhibit A.
- Scheduling concerns and issues encountered that may delay completion of the task.
- Work anticipated for the next reporting period.
- Updated schedule or budget inclusive of any changes that have occurred.

FINAL REPORT

The Final Report shall generally use the following format. This format may be modified as necessary to effectively communicate information on the various projects in the IRWM Program funded by this Grant Agreement, and includes the following:

Executive Summary
The Executive Summary consists of a maximum of twenty (20) pages summarizing information for the grant as well as the individual projects.

Stakeholder Summary
- General description of water management needs of DACs, Economically Distressed Areas (EDAs), and underrepresented communities at the Funding Area learned from the activities performed in this program
- General summary of DACs, EDAs, and underrepresented communities involved in IRWM efforts through this Program
- Map(s) identifying all DACs, EDAs, and underrepresented communities with IRWM regions learned from the activities performed in this program

Involvement Activity Summary
- General description of involvement activities performed in this Program, including both successful and unsuccessful involvement activities
- Identification of projects developed from the DAC involvement activities, if applicable

Findings
- Needs Assessment
  - Narrative summary of community characteristics identified and specific community water management needs and resources (technical, managerial, and financial) to address the needs of DACs, EDAs, and underrepresented communities
  - Needs Assessment template table filled in (at the community level)
- Identification of ongoing barriers for DAC involvement in IRWM efforts
• Recommendations for water managers on future DAC involvement activities in IRWM efforts

Looking into the Future
• Next steps for the IRWM regions to continue DAC involvement efforts

References
EXHIBIT H
REQUIREMENTS FOR STATEWIDE MONITORING AND DATA SUBMITAL

Surface and Groundwater Quality Data

Groundwater quality and ambient surface water quality monitoring data that include chemical, physical, or biological data shall be submitted to the State as described below, with a narrative description of data submittal activities included in project reports, as described in Exhibit G.

Surface water quality monitoring data shall be prepared for submission to the California Environmental Data Exchange Network (CEDEN). The CEDEN data templates are available on the CEDEN website. Inclusion of additional data elements described on the data templates is desirable. Data ready for submission should be uploaded to your CEDEN Regional Data Center via the CEDEN website. CEDEN website: http://www.ceden.org.

If a project’s Work Plan contains a groundwater ambient monitoring element, groundwater quality monitoring data shall be submitted to the State for inclusion in the State Water Resources Control Board’s Groundwater Ambient Monitoring and Assessment (GAMA) Program. Information on the GAMA Program can be obtained at: http://www.waterboards.ca.gov/gama/geotracker_gama.shtml. If further information is required, the Grantee can contact the State Water Resources Control Board (SWRCB) GAMA Program.

Groundwater Level Data

Grantee shall submit to DWR groundwater level data collected as part of this grant. Water level data must be submitted using the California Statewide Groundwater Elevation Monitoring (CASGEM) online data submission system. Grantee should use their official CASGEM Monitoring Entity or Cooperating Agency status to gain access to the online submittal tool and submit data. If the data is from wells that are not part of the monitoring network, the water level measurements should be classified as voluntary measurements in the CASGEM system. If the grantee is not a Monitoring Entity or Cooperating Agency, please contact your DWR grant project manager for further assistance with data submittal. The activity of data submittal should be documented in appropriate progress or final project reports, as described in Exhibit G. Information regarding the CASGEM program can be found at http://www.water.ca.gov/groundwater/casgem/.
EXHIBIT I

STATE AUDIT DOCUMENT REQUIREMENTS GUIDELINES FOR GRANTEES

State Audit Document Requirements

The list below details the documents/records that State Auditors typically reviewed in the event of a Grant Agreement being audited. Grantees should ensure that such records are maintained for each State funded Program/Project. Where applicable, this list of documents also includes documents relating to the Grantee’s funding match which will be required for audit purposes.

Internal Controls:

1. Organization chart (e.g., Agency’s overall organization chart and organization chart for this Grant Agreement’s funded project.
2. Written internal procedures and flowcharts for the following:
   a) Receipts and deposits
   b) Disbursements
   c) State reimbursement requests
   d) State funding expenditure tracking
   e) Guidelines, policy(ies), and procedures on State funded Program/Project
3. Audit reports of the Grantee’s internal control structure and/or financial statements within the last two years.
4. Prior audit reports on State funded Program/Project.

State Funding:

1. Original Grant Agreement, any amendment(s) and budget modification documents.
2. A list of all bond-funded grants, loans or subventions received from the State.
3. A list of all other funding sources for each Program/Project.

Contracts:

1. All subcontractor and consultant contracts and related, if applicable.
2. Contracts between the Grantee, member agencies, and project partners as related to the State funded Program/Project.

Invoices:

1. Invoices from vendors and subcontractors for expenditures submitted to the State for payments under the Grant Agreement.
2. Documentation linking subcontractor invoices to State reimbursement requests and related Grant Agreement budget line items.
3. Reimbursement requests submitted to the State for the Grant Agreement.

Cash Documents:

1. Receipts (copies of warrants) showing payments received from the State.
2. Deposit slips or bank statements showing deposit of the payments received from the State.
3. Cancelled checks or disbursement documents showing payments made to vendors, subcontractors, consultants, and/or agents under the Grant Agreement.

**Accounting Records:**

1. Ledgers showing receipts and cash disbursement entries for State funding.
2. Ledgers showing receipts and cash disbursement entries of other funding sources.
3. Bridging documents that tie the general ledger to reimbursement requests submitted to the State for the Grant Agreement.

**Administration Costs:**

1. Supporting documents showing the calculation of administration costs.

**Personnel:**

1. List of all contractors and Grantee staff that worked on the State funded Program/Project.
2. Payroll records including timesheets for contractor’s staff and the Grantee’s staff.

**Project Files:**

1. All supporting documentation maintained in the Program/Project files.
2. All Grant Agreement related correspondence.
San Joaquin River Funding Area
Disadvantaged Community Needs Assessment Report
December 2019
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<thead>
<tr>
<th>Abbreviation</th>
<th>Term</th>
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</tr>
<tr>
<td>Cal Fire</td>
<td>California Department of Forestry and Fire Protection</td>
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<tr>
<td>CUWA</td>
<td>California Urban Water Agencies</td>
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<td>DDW</td>
<td>California Division of Drinking Water</td>
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<td>CDP</td>
<td>Census Designated Place</td>
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<td>California Integrated Water Quality System</td>
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<td>Acronym</td>
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<td>SDAC</td>
<td>Severely Disadvantaged Community</td>
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<td>Underrepresented Community</td>
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</table>
Executive Summary

ES-1 DAC Involvement Program Background

The Disadvantaged Community Involvement (DACI) Program is an element of the California Department of Water Resources’ (DWR’s) Integrated Regional Water Management (IRWM) Program. The IRWM Program is a collaborative effort to identify and implement water management solutions on a regional scale. This approach is intended to increase regional self-reliance, reduce conflict, and concurrently achieve social, environmental, and economic objectives.

The intent of the DACI Program is to ensure the involvement of DACs, economically distressed areas (EDAs), or underrepresented communities (collectively referred to as DACs) in IRWM planning efforts. DWR established the DACI Program in order to advance the following objectives:

- Work collaboratively to involve DACs, community-based organizations, and stakeholders in IRWM planning efforts to ensure balanced access and opportunity for participation in the IRWM planning process
- Increase the understanding and, where necessary, identify the water management needs of DACs on a Funding Area basis
- Develop strategies and long-term solutions that appropriately address the identified DAC water management needs

The San Joaquin River Funding Area (SJRFA) received funding through the DACI Program. Per the Program requirements, the SJRFA conducted a DAC Needs Assessment. The Needs Assessment is ultimately intended to provide a better understanding of water management needs to help direct resources and funding. This report documents the methods and findings of the Needs Assessment.

ES-2 San Joaquin River Funding Area Overview

Seven IRWM Regions within the SJRFA are participating in the DACI Program. Participating regions are the Eastern San Joaquin, East Stanislaus, Merced, East Contra Costa, American River Basin, Madera, and Westside-San Joaquin IRWM Regions. The Cosumnes, American, Bear, Yuba (CABY) Region, Tuolumne-Stanislaus Region, and Mokelumne-Amador-Calaveras (MAC) Region are partially within the SJRFA as well but chose not to participate in the grant proposal or Needs Assessment.

The SJRFA includes much of the San Joaquin River drainage area. Water supplies in the SJRFA include both surface water and groundwater. Much of the surface water used in the SJRFA comes from the Central Valley Project (CVP). The tributaries of the San Joaquin River, such as the Merced, Tuolumne, and Stanislaus Rivers, also provide surface water supply to the SJRFA. Groundwater is a highly important water source in the SJRFA. Alluvial aquifers underlie the valley floor to the east and west of the San Joaquin River; these aquifers are tapped by drinking water and agricultural supply wells managed by various agencies, as well as private domestic wells. DWR estimates that roughly 40% of water supply in the San Joaquin River Hydrologic Region is met by groundwater, with most being used for agriculture (DWR, 2014). Land use on the San Joaquin Valley floor is generally agricultural in nature, although urban areas also exist and are expanding. Portions of the SJRFA are susceptible to flooding, which is generally driven by melting of the Sierra snowpack in the spring, and by rainfall events.

The SJRFA is generally rural, with scattered urban areas where the majority of the population resides. Notable cities include Stockton, Antioch, Tracy, Lodi, Modesto, Turlock, Manteca, Lathrop, Merced, Patterson, Los Banos and Madera. Many counties have high proportions of Hispanic or Latino residents; therefore, language accessibility is an important consideration in the SJRFA.
ES-3  DAC Database Development

The DAC Needs Assessment is intended to provide a better understanding of the water needs of DACs in the area. The Needs Assessment included the development of a database of DACs in the SJRFA, which contains a compilation of data from publicly available sources related to the sources and quality of water supply in DACs.

Within the Needs Assessment database, the project team compiled data on DACs in the SJRFA from local, state, and federal sources. The project team utilized Geographic Information Systems (GIS) to map the location of communities in the SJRFA and other available and relevant data in order to identify needs. Median household income statistics were used to assist in classifying whether communities had a disadvantaged status. The database is a collection of information from DWR, Safe Drinking Water Information System (SDWIS), California Integrated Water Quality System (CIWQS), Provost & Pritchard GIS data resources, as well as other sources. Key data fields within the database include:

- DAC Status (DAC, SDAC or Not DAC)
- Estimated Number of Water Service Connections
- Estimated Population
- Source(s) of Drinking Water Supply
- Estimated Number of Public Wells
- Drinking Water Quality Compliance Status
- Existing Water System versus Private Wells
- Existing Wastewater Treatment Facility

ES-4  Needs Assessment Findings

As part of the data collection for the DAC Needs Assessment, supplemental and ground-truth data were collected through two Funding Area meetings and single regional community workshops in each of the seven participating IRWM regions. The goal of the first Funding Area meeting was to provide information on the IRWM and DACI program, present preliminary findings of the SJRFA DAC Needs Assessment and the DACI survey, and discuss community water needs. The individual region workshops were intended to ground-truth and expand upon data collected during the DAC database development. These meetings included further information about the IRWM and DACI programs, preliminary findings of the DAC Needs Assessment, and a discussion of community water needs. A community survey was also prepared and disseminated at each workshop. Feedback obtained at these meetings helped characterize the needs of DACs in the SJRFA and develop recommendations for future work under the DACI program. The second Funding-Area wide meeting was held to present the final draft of the Needs Assessment Report and to provide community residents and members of the public an opportunity to ask questions, provide feedback, and make recommendations. The findings from the database and community meetings are summarized below.

Preliminary Water Needs in DACs

Based on the data collected for this region, there are 123 DACs identified within the SJRFA, of which 57 are Severely Disadvantaged Communities (SDACs).
The majority of communities within the San Joaquin River Funding Area rely on groundwater for drinking water supply. Of the 123 DACs within the San Joaquin River Funding Area, approximately 93% rely on groundwater that either comes from a public water system, individual private wells, or is purchased from a nearby system and may be conveyed through a single master meter. Approximately 7% rely on surface water that either comes from a public water system or is purchased from a nearby system. The main challenges to DACs within the region related to water supply are an insufficient quantity of water and a lack of redundancy or reliability of the water supply. Water systems that are considered to be the most vulnerable are those that rely on a single source of supply. Approximately 33% of the DACs within the funding area rely on a water system with only one source of water (e.g. One well supplies the entire water system). In addition, approximately 28% of the DACs in the area are not part of a public water system and rely on individual private wells, which are also extremely vulnerable to changes in water conditions because of the shallow nature of most private wells, factors surrounding sustainable water use, and escalating impacts from climate change. Therefore, approximately 61% of the DACs within the funding area are considered to have a water supply vulnerability.

Water quality needs were identified based on whether communities were compliant with applicable water quality standards. Of the DACs with water systems, 61 (69%) are currently in compliance with water quality standards, 20 (22%) are out of compliance, and eight (9%) have returned to compliance. The returned to compliance classification is based on the Human Right to Water portal data, and is typically a system with a previous compliance order that has been resolved since 2012. The main water quality issues for systems that are out of compliance are arsenic and TCP. Other compliance orders are for total trihalomethanes (TTHM), uranium, and haloacetic acids (HAA5).

Community Meetings and Survey Results

Each individual IRWM region community meeting included an overview of the IRWM and DACI program, information about the Needs Assessment, and a community water needs discussion. Outreach methods used to advertise these meetings included bilingual (English and Spanish) communication materials, including a meeting flyer, invitation emails and social media posts. Outreach also included door-to-door outreach, posting flyers in key locations with heavy foot traffic, phone calls to community leaders asking them to share the information within their community, mailing and emailing flyers, utilizing social media, and posting workshops on Eventbrite.

The following themes emerged from the individual IRWM region meetings:

- Community residents and other stakeholders are interested in continuing to obtain information about the IRWM and the DACI programs. Participants were also interested in obtaining regular updates on IRWM activities and funding opportunities.
- Communities expressed overwhelming interest in obtaining assistance in order to identify, develop and submit funding requests.
- Community members across regions identified specific needs for their individual communities.
- Communities noted that having safe, reliable water is vital for their communities and without projects that help address their needs, communities will continue to deteriorate.
- Meeting attendees in multiple regions expressed interest in water metering programs in order to help communities reduce water usage.
- Attendees discussed the limited resources available to participate in additional programs (both in terms of agency staff availability and community member resources).
• The cost of water quality testing (driven partly by the frequency of testing) emerged as a significant issue for small water systems where additional testing has been mandated.

• Many attendees noted the difficulty of tracking and navigating the many disparate funding and technical assistance programs that exist. Assistance programs from various state agencies have different requirements and no “one-stop shop” resource exists for the assistance options that could help meet agency and community needs.1

Community survey results were also analyzed for the Needs Assessment. A total of 47 community surveys were submitted. Main topics assessed in the survey were: preferred language for correspondence, respondent classification, knowledge of IRWM, current IRWM participation, participation barriers and recommendations, interest in participating in IRWM activities, and community improvements and water needs. The majority of the survey respondents identified as community residents, with water district/company staff making up another large portion of the respondents.

The survey included an open-ended question that asked participants what motivates them to participate in the IRWM program and IRWM region meetings. Respondents shared that their participation is tied to their job responsibility, desire to continue their education on water management, interest in working with other communities, building resiliency for their community, as well as identifying projects and securing funding for community improvements needs. For those who did not participate, three reasons that arose were lack of information, lack of resources, and competing priorities. Of these, the top response was the lack of information. For example, several survey respondents said that they were not aware of the program or the meetings and that they would have participated if they had known.

Participants also provided recommendations to help support and improve community participation in IRWM planning efforts. Comprehensively, some of the common recommendations included conducting more outreach and engagement specifically on the topics of planning for the future, additional funding sources through IRWM, and importance of participation. The recommendations also included the need to secure resources to help community residents and district staff participate in IRWM activities; establish and maintain a contact database; provide translated materials—at minimum Spanish—while also considering other languages as needed; and provide technical assistance.

**ES-5 Recommendations**

The following recommendations were identified during the Needs Assessment. These can inform future work under the DACI program. IRWM regions can also consider these recommendations as they continue work for their IRWM programs or within their individual agencies and communities.

• Gather and incorporate data for other types of water systems (e.g., school water systems) and other systems and characteristics (e.g., stormwater facilities, rate affordability, private well depth and water quality, metering).

• Gather information that would identify additional DAC areas that may not have been included in the data sources accessed for this document, primarily through outreach and income surveys.

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1 Note that Assembly Bill (AB) 2252 mandates that the California State Library create one website by July 1, 2020, where all current grants opportunities being offered by California State departments can be found.
• Given the number of households/communities relying on private domestic wells and lack of water quality information available for these homes, consider establishing a free water-sampling program for low-income households.

• Consider establishing a DAC Outreach and Education Program, including community-specific meetings, and contact database.

• Provide DACs the technical assistance they need in order to seek appropriate funding sources and implement community water solutions. This may include assisting with project identification, project development, and funding applications.

• Increase DAC participation in the IRWM program.
  o Consider appointing community leaders who have expressed interest in participating in IRWM and the DACI program to the IRWM Stakeholder Advisory Committee group.
  o Encourage DAC and IRWM Group coordination. Consider potential ways to bridge identified barriers to participation to encourage more participation by DACs, and foster IRWM group understanding of DAC needs.
  o Consider funding DAC participation by allocating funds to assist DAC representatives to attend meetings. Many DACs encounter economic and financial constraints and find it difficult to identify individuals that are willing to volunteer their time or pay for travel expenses out of pocket in order to attend meetings that are held many miles away.
  o Make meetings accessible to DACs by hosting more localized IRWM meetings. Due to the vast geographic extent of the IRWM regions within the SJRFA, the location of the meetings can cause travel constraints to communities that are further out from the localized areas.
  o Eliminate language barriers by ensuring the availability of translated materials and translation services. To minimize language barriers, the availability of translated materials and providing interpreting services is essential.
  o Encourage utilities, water districts, and municipal agencies to incorporate these findings in their outreach plans and to support DAC project development and implementation.
Section 1. Introduction

This Disadvantaged Community (DAC) Needs Assessment Report was prepared under an agreement between the Contra Costa Water District and the California Department of Water Resources (DWR) with funding from Proposition 1: The Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Prop 1). Prop 1 authorized $510 million in Integrated Regional Water Management (IRWM) funding statewide, including $31 million that was allocated to the San Joaquin River Funding Area (SJRFA). Of this, 10% was earmarked to be awarded through the DAC Involvement (DACI) Program. Within the SJRFA, this funding has been allocated to perform this region-wide DAC Needs Assessment, as well as projects within each IRWM Region that will improve DAC involvement in the IRWM planning process.

Through the Needs Assessment, the SJRFA aims to gain a better understanding of the water and wastewater management needs of DACs. The Needs Assessment synthesizes publicly available data, spatial information, surveys, and community outreach, including regional community meetings, to characterize the needs of DACs in the SJRFA. This work was conducted during 2018 and 2019. The themes and recommendations that emerge from the DAC Needs Assessment will help guide the development of future project development within each IRWM Region and the SJRFA as a whole.

The Needs Assessment Report provides background information about the DACI Program and the SJRFA. The Report then presents details about data collection and community outreach work conducted as part of the Needs Assessment. Lastly, the Report presents findings on the state of water resources in DACs, including both qualitative and quantitative information, and makes recommendations for future work.
Section 2. Background

This section provides background information on the IRWM Program, the DACI Program, and the relationship between the two. It also includes a brief summary of the SJRFA in terms of geography, water supply, land use, demographics, and other characteristics to contextualize the Needs Assessment Report.

2.1 DAC Involvement Program Background

2.1.1 IRWM Program

The DACI Program is an element of DWR’s IRWM Program. IRWM, or Integrated Regional Water Management, is a collaborative effort to identify and implement water management solutions on a regional scale. This approach is intended to increase regional self-reliance, reduce conflict, and concurrently achieve social, environmental, and economic objectives.

The IRWM Program was founded by DWR in 2004. In order to become eligible for grants awarded through the IRWM Program, IRWM Regions were formed. Each IRWM Region is a contiguous geographic area encompassing the service areas of multiple local agencies. Regions are established in such a way as to maximize the opportunities to integrate water management activities. Once established, Regions prepare Integrated Regional Water Management Plans (IRWMPs) according to a set of guidelines established by DWR. IRWMPs characterize the water-related resources, challenges, goals, and solutions of the Region. IRWMPs consolidate regional information, encourage discussion among stakeholders, and evaluate projects that may be implemented in the Region. IRWMPs are required to include a prioritized list of projects that would provide water-related benefits within the Region. Once DWR approves a Region's IRWMP, the Region is eligible to submit grant applications for those projects through the IRWM Grant Program.

2.1.2 DACI Program

The intent of the DACI Program is to ensure the involvement of DACs, economically distressed areas (EDAs), or underrepresented communities (collectively referred to as DACs) in IRWM planning efforts. DWR established the DACI Program in order to advance the following objectives:

- Work collaboratively to involve DACs, community-based organizations, and stakeholders in IRWM planning efforts to ensure balanced access and opportunity for participation in the IRWM planning process
- Increase the understanding and, where necessary, identify the water management needs of DACs on a Funding Area basis
- Develop strategies and long-term solutions that appropriately address the identified DAC water management needs

With this objective in mind, DWR earmarked 10% of the overall Prop 1 IRWM Program funds ($51 million of a total $510 million) for the DACI Program. These funds were allocated to each of 12 Funding Areas identified in Prop 1, with the SJRFA receiving an allocation of $3.1 million. Of the ten IRWM regions within the SJRFA, seven chose to participate in the DACI Grant Proposal to secure this funding. The participating Regions are American River Basin (ARB), East Contra Costa County (ECCC), Eastern San Joaquin (ESJ), Westside-San Joaquin (WSJ), East Stanislaus, Madera, and Merced. These Regions convened a Stakeholder Advisory Committee (SAC) to facilitate interregional coordination throughout the DACI work. These Regions submitted their grant proposal to DWR in 2018. Funds were distributed among a number of projects that will improve DAC involvement in the IRWM planning process. Per the DACI Program requirements, the proposal included funding for a DAC...
Needs Assessment in the SJRFA. The Needs Assessment is ultimately intended to provide a better understanding of water management needs to help direct resources and funding. This report documents the methods and findings of the Needs Assessment.

2.2 San Joaquin River Funding Area Overview

This section provides a high-level overview of the SJRFA, including geography, water supply, water quality, flooding, land use, and demographics. For further detail on these topics, the individual IRWMPs for each Region may be consulted.

2.2.1 IRWM Regions

Figure 1 shows the IRWM Regions within the SJRFA. The Eastern San Joaquin, East Stanislaus, and Merced IRWM Regions are entirely within the SJRFA; and the East Contra Costa, ARB, Madera, and Westside-San Joaquin IRWM Regions are partially within the SJRFA. The Cosumnes, American, Bear, Yuba Region, Tuolumne-Stanislaus Region, and Mokelumne-Amador-Calaveras Region are partially within the SJRFA as well but chose not to participate in the grant proposal or Needs Assessment.

2.2.2 Geographic Extent

The SJRFA lies in the Central Valley and extends from the Coast Range in the west to the Sierra Nevada in the east. The SJRFA’s northern boundary extends from the northwest portion of Contra Costa County to the northeast, passing south of Sacramento. In the south, the boundary travels roughly east-west south of Madera and north of Fresno. The SJRFA covers all or part of the following counties: Contra Costa, San Joaquin, Sacramento, Stanislaus, Merced, Madera, Fresno, Calaveras, Amador, Mariposa, Tuolumne, San Benito, and Alameda.

2.2.3 Hydrology

The SJRFA corresponds roughly to the San Joaquin River Hydrologic Region defined by DWR (although the SJRFA does not extend into the Sierra Nevada, while the Hydrologic Region does). The SJRFA includes much of the San Joaquin River drainage area. The San Joaquin River, roughly 300 miles long, is one of the longest rivers in California. It begins on the western slope of the Sierra Nevada, flowing down to the San Joaquin Valley floor and turning northwest toward the Sacramento-San Joaquin River Delta (Delta). Other major rivers in the SJRFA include the Mokelumne, Stanislaus, Tuolumne, and Merced rivers, which flow from the Sierra Nevada into the San Joaquin River. The Chowchilla and Fresno rivers also originate in the Sierra Nevada and flow westward toward the San Joaquin River. In the west of the SJRFA, along the Coast Range, creeks drain eastward into the San Joaquin River, including Del Puerto Creek, Orestimba Creek, and Panoche Creek.

2.2.4 Water Supply

Water supplies in the SJRFA include both surface water and groundwater. Much of the surface water used in the SJRFA comes from the Central Valley Project (CVP). The tributaries of the San Joaquin River, such as the Merced, Tuolumne, and Stanislaus Rivers, also provide surface water supply to the SJRFA. Groundwater is a highly important water source in the SJRFA. Alluvial aquifers underlie the valley floor to the east and west of the San Joaquin River; these aquifers are tapped by drinking water and agricultural supply wells managed by various agencies, as well as private domestic wells. DWR estimates that roughly 40% of water supply in the San Joaquin River Hydrologic Region is met by groundwater, with most being used for agriculture (DWR, 2014). Under the Sustainable Groundwater Management Act (SGMA), governments and water agencies in high- and medium-priority groundwater subbasins are required to develop Groundwater Sustainability Plans (GSPs) to ensure that their use of groundwater can be sustainability maintained without undesirable results. GSPs are
required for all groundwater subbasins in the SJRFA (Figure 2). Additionally, certain subbasins have been designated as "critically overdrafted," and are required to complete their GSPs on an expedited schedule (with GSPs due to DWR by January 31, 2020 versus January 31, 2022 for non-critically overdrafted subbasins). Significant efforts to comply with SGMA are being undertaken throughout the SJRFA, in many instances with Groundwater Sustainability Agencies (GSAs) being composed of or working with DAC representatives and stakeholders for GSP development and GSP implementation.
Figure 1: IRWM Regions in the San Joaquin River Funding Area
Figure 2: Groundwater Basins and Prioritization

Figure Source: DWR Water Management Planning Tool, https://gis.water.ca.gov/app/boundaries/
2.2.5 Water Infrastructure

Water infrastructure in the SJRFA includes reservoirs, canals, levees, aqueducts, pipelines, and wells that provide water supply and flood management to the San Joaquin Valley. Reservoirs on the east side of the Valley, such as New Melones Lake, Don Pedro Reservoir, and Lake McClure, serve to store water, prevent flooding, generate electricity, and provide recreational area. Many other reservoirs exist throughout the SJRFA and provide one or more of these benefits. Levees provide flood protection throughout the SJRFA, particularly in the Delta. Along the west side of the SJRFA, the Delta-Mendota Canal and California Aqueduct carry CVP and State Water Project (SWP) water supplies south for municipal and agricultural use.

2.2.6 Land Use

Land use on the San Joaquin Valley floor is generally agricultural in nature, although urban areas also exist and are expanding (Figure 3). A diverse array of crops is grown in the SJRFA, including nuts, rice, cotton, grapes, tomatoes, and many more. In the Coast Range, oak woodlands, grasslands, and chaparral are found, much of which is used as rangeland. Riparian areas exist throughout the SJRFA along rivers, streams, canals and sloughs, as well as within the Delta. Roughly half of the Delta falls within the SJRFA. Wetlands also exist in the SJRFA, which are mostly wildlife refuges or privately managed waterfowl hunting areas.

2.2.7 Flooding

Portions of the SJRFA are susceptible to flooding, which is generally driven by melting of the Sierra snowpack in the spring, and by rainfall events. The 100-year floodplain, as defined by the Federal Emergency Management Agency (FEMA), covers large sections of the SJRFA, particularly in the Delta, but also along the San Joaquin River and its tributaries to the east (Figure 4). Much of Merced and Madera counties would be susceptible to a 100-year flood as would riverside areas throughout the SJRFA. Some urban and small-stream flooding is likely to occur with each large storm, with more damaging flooding possible in more extreme events (DWR, 2014).
Figure 3: Land Use
Figure 4: 100-Year Floodplain
2.2.8 Water Quality

Water quality in the SJRFA varies depending upon the source. Surface water from the east side of the valley that originates in the Sierra Nevada is generally of high quality. Flows from the west side of the valley, originating from the Coast Range, consist largely of agricultural return flows which are often lower in quality. Regional geology also contributes to poor water quality due to higher concentration of salts in ancient marine sediments that underlie the area. Salt management is a key water quality issue throughout the SJRFA. Constituents of concern in surface water supplies include salts, boron, selenium, pesticides, metals, nutrients, bacteria, and sediment (DWR, 2014). In groundwater, constituents of concern are salts, nitrate, arsenic, 1,2,3 trichloropropane (TCP), uranium, and chromium 6. Localized groundwater contamination by tetrachloroethylene (PCE) and trichloroethylene (TCE) also exists.

2.2.9 Demographics

The SJRFA is generally rural, with scattered urban areas where the majority of the population resides. Notable cities include Stockton, Antioch, Tracy, Lodi, Modesto, Turlock, Manteca, Lathrop, Merced, Patterson, Los Banos and Madera. An overview of demographic information by county is shown in Table 1. These data include information from the counties as a whole and not only the portion within the SJRFA. Many counties have high proportions of Hispanic or Latino residents; these are included in Table 1 as language accessibility is an important consideration in the SJRFA and Spanish translation services are typically required at community meetings with DAC members.

Table 1: Demographic Data Overview by County

<table>
<thead>
<tr>
<th>County</th>
<th>Population</th>
<th>Median Household Income ($)</th>
<th>Percent of population that is Hispanic or Latino</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alameda County</td>
<td>1,629,615</td>
<td>85,743</td>
<td>22.5%</td>
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<tr>
<td>Amador County</td>
<td>37,306</td>
<td>60,636</td>
<td>13.2%</td>
</tr>
<tr>
<td>Calaveras County</td>
<td>45,057</td>
<td>54,800</td>
<td>11.5%</td>
</tr>
<tr>
<td>Contra Costa County</td>
<td>1,123,678</td>
<td>88,456</td>
<td>25.3%</td>
</tr>
<tr>
<td>Fresno County</td>
<td>971,616</td>
<td>48,730</td>
<td>52.4%</td>
</tr>
<tr>
<td>Madera County</td>
<td>154,440</td>
<td>48,210</td>
<td>56.9%</td>
</tr>
<tr>
<td>Mariposa County</td>
<td>17,658</td>
<td>51,385</td>
<td>10.6%</td>
</tr>
<tr>
<td>Merced County</td>
<td>267,390</td>
<td>46,338</td>
<td>58.2%</td>
</tr>
<tr>
<td>Sacramento County</td>
<td>1,495,400</td>
<td>60,239</td>
<td>22.8%</td>
</tr>
<tr>
<td>San Benito County</td>
<td>58,671</td>
<td>80,760</td>
<td>58.9%</td>
</tr>
<tr>
<td>San Joaquin County</td>
<td>724,153</td>
<td>57,813</td>
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</tr>
<tr>
<td>Stanislaus County</td>
<td>535,684</td>
<td>54,260</td>
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</tr>
<tr>
<td>Tuolumne County</td>
<td>53,899</td>
<td>54,325</td>
<td>11.8%</td>
</tr>
</tbody>
</table>

Data source: 2013-2017 American Community Survey 5-Year Estimates. Data is for each County as a whole, not only the portion within the SJRFA.
A DAC, as defined by Prop 1, is a community with a Median Household Income (MHI) less than 80% of the California statewide MHI. DACs comprise a significant portion of the SJRFA. An economically distressed area (EDA), as defined in Prop 1, is a "municipality with a population of 20,000 persons or less, a rural county, or a reasonably isolated and divisible segment of a larger municipality where the segment of the population is 10,000 persons or less, with an annual MHI that is less than 85% of the statewide MHI, and with one or more of the following conditions as determined by the department: financial hardship; unemployment rate at least two percent higher than the statewide average; or low population density. Underrepresented communities (URCs) are those that are not included in an IRWM Region and/or areas where populations are small and dispersed. For the purposes of this Needs Assessment, DACs, EDAs, and URCs are collectively referred to as DACs.

Figure 5 shows the DACs and EDAs within the SRJFA. These areas were identified using American Community Survey data (2012-2016 five-year estimates) as compiled in DWR’s DAC Mapping Tool and EDA Mapping Tool. These mapping tools include MHI data at three geography levels: census designated place, census block group, and census tract. These three geography levels have been combined to obtain the complete extent of DAC and EDA area, as shown in Figure 5. This map depicts all DAC and EDA areas, not solely incorporated areas or defined unincorporated communities. DACs and EDAs make up the majority of the SJRFA, especially in the southern portion of the SJRFA. URCs are found in Stanislaus, San Joaquin, Alameda, Merced, San Benito, and Fresno Counties. Much of the underrepresented areas lie in the eastern side of the Coast Range. Other URCs are found just west of Stockton and in Stanislaus County, north of the Stanislaus River. The Needs Assessment covered the entire SJRFA (not just the geographic area covered by the IRWM Regions), and thus includes evaluation of URC needs. The DAC database described in Section 3 evaluates DAC needs on a community level. The term "community" may refer to incorporated areas, unincorporated census-designated places, or other discrete portions of the SJRFA (e.g., locations that share a water system). Additional detail on the database and data sources is provided in Section 3.
Figure 5. DACs and EDAs in the San Joaquin River Funding Area
2.2.10 DAC Needs Overview

The seven participating IRWM Regions within the SJRFA identified specific DAC water management needs through their IRWM planning processes and associated outreach efforts; these needs informed the IRWM planning processes and provided important context for future planning and implementation projects. Most DAC water needs are driven by infrastructure demands, supply diversification, and declining groundwater elevations and/or quality.

- **Water supply reliability**: Some portions of the SJRFA lack reliable water supplies because they do not have diversified sources of supply. For example, Del Puerto Water District, located in the Westside-San Joaquin IRWM Region and whose almost entire service area is considered a DAC, relies exclusively on the Central Valley Project for water supplies (with local residents relying on shallow groundwater wells). In past years, Del Puerto Water District and other CVP contractors have received 0% allocations during multiple drought years. Other communities, such as the communities of Grayson and Santa Nella, depend mainly on groundwater, leaving them vulnerable to declining groundwater levels, well failures or water quality issues. Events that impact the quality or quantity of water supply could threaten the regional economy and thus DACs.

- **Access to water**: Related to the issue of water supply reliability, access to water for DACs at the household level can be an issue. In some cases, lack of infrastructure may be the problem while, for others, DACs may have access only to low-quality water. Poor access to suitable water can impact the health and safety of DACs and can also result in DACs turning to more expensive options (i.e. bottled water).

- **Water quality**: Groundwater quality is a concern in some portions of the SJRFA, especially when groundwater is a community’s only source of water. Quality issues include elevated nitrate and arsenic levels and pesticides, among other constituents. Salinity levels in the Central Valley and Delta islands also continue to be of concern because excess salinity can impact food production, water/wastewater treatment, and water quality. Surface water quality is also an issue in the SJRFA; additionally, disinfection of surface water may result in byproducts such as haloacetic acids and trihalomethanes, which are of concern.

- **Water affordability/Infrastructure updates**: As aging water infrastructure requires replacement, many water suppliers face financial difficulties. Agencies must pass their rising costs on to customers, which can be problematic for DACs, leading to financial burden to ratepayers or resulting in projects being economically infeasible. Furthermore, infrastructure updates that are required to provide supply reliability and/or meet regulatory or safety requirements are especially necessary in DACs as many of these communities are unincorporated and may lack centralized water supply, wastewater, or stormwater infrastructure. The small size of many DACs also means that projects in these areas cannot take advantage of economies of scale and that the cost implications to each customer are greater than for a larger community or city.

- **Flood risk management**: Much of the SJRFA is at high risk of damaging floods. DACs are particularly vulnerable to flood risk as they are frequently located in floodplains. Lack of resources hinders a community’s ability lessen the immediate impact of and to recover after a flood event. Many DACs do not have a Flood Control Agency responsible for the implementation of flood-related projects.

- **Small water systems and/or private wells**: Small water systems with a single source of supply disproportionately exist in DACs, and these systems are vulnerable in the event of mechanical failure or source contamination as they may not have redundancy or a back-up...
water supply. Similarly, there are many communities without a water system, that rely on private wells. Residences that rely on an individual private well are also vulnerable to failure of that well, as they may not have a back-up water supply.

- **Agricultural job security**: Many DAC members are employed in the agricultural sector and the SJRFA’s economy as a whole relies heavily on this industry. The area’s agriculture depends on sound water management and continued supply.
Section 3. DAC Database Data Collection and Methods

The DAC Needs Assessment is intended to provide a better understanding of the water needs of DACs in the area. The Needs Assessment included the development of a database of DACs in the SJRFA, which contains a compilation of data from publicly available sources related to the sources and quality of water supply in DACs. While Figure 5 above shows Census tracts and block groups, the database is focused on Census Designated Places and other identifiable communities rather than generalized areas.

Detailed maps of the SJRFA are available in Appendix A.

3.1 DAC Database Overview

A database was developed of communities identified in the SJRFA. The project team compiled data from local, state, and federal sources to create the database. Geographic Information Systems (GIS) was utilized to map the location of communities in the SJRFA and other available and relevant data in order to identify needs. Median household income statistics were used to assist in classifying whether communities had a disadvantaged status. The database is a collection of information from DWR, Safe Drinking Water Information System (SDWIS), California Integrated Water Quality System (CIWQS), Provost & Pritchard GIS data resources, as well as other sources.

DAC boundaries were developed based on California Department of Forestry (Cal Fire) incorporated communities data, California Division of Drinking Water (DDW) water system service areas, US Census Places, University of California (UC), Davis Disadvantaged Unincorporated Communities (DUC) study data, and local knowledge. Data describing these communities by certain attributes were then gathered from the various datasets identified.

Key data fields within the database include:

- DAC Status (DAC, SDAC or Not DAC)
- Estimated Number of Water Service Connections
- Estimated Population
- Source(s) of Drinking Water Supply
- Estimated Number of Public Wells
- Drinking Water Quality Compliance Status
- Existing Water System versus Private Wells
- Existing Wastewater Treatment Facility

3.2 Data Sources

The following data sources were used in the development of the database:

1. DWR IRWM Prop 1 Funding Areas - San Joaquin River Funding Area
2. DWR IRWM Region Boundaries
3. Cal Fire-Fire Resource and Assessment Program (FRAP) - County Boundaries and Incorporated Communities
4. State Water Resources Control Board (SWRCB) DDW - Water Systems Service Areas
5. DWR 2012-2016 Census Place/Block Group/Tract
6. SWRCB GAMA (Groundwater Ambient Monitoring and Assessment) Groundwater Information System – Public Potable Drinking Water Sources
7. US Census Bureau 2017 Places (Incorporated and Census Designated Places (CDP))
8. SWRCB Public Potable Water Systems Data
9. UC Davis DUC Data
10. SWRCB Exceedance/Compliance Violation Data

3.3 Database Development

A comprehensive community boundaries layer was developed within the SJRFA by combining incorporated communities’ extents from Cal Fire (item #3 above) and unincorporated communities’ extents from US Census Places (item #7). Water systems data (item #4) were integrated into the boundaries layer, which included public water system identification numbers, water system names, and number of connections, if applicable (some communities do not have water systems).

Once public water system identification numbers were associated with the community shapes, information about the public potable water systems (item #8) were joined with the GIS, including population, water system status, and type. DWR provided the 2012-2016 Census Data to associate the MHI statistics to communities. Based on the MHI, DAC classifications were established for each community. DACs are communities whose MHI is less than 80% of the statewide MHI, but greater than 60% of the statewide MHI (between $38,270-$51,026). Severely Disadvantaged Community (SDAC) are those than have a MHI of 60% or less of the statewide MHI (below $38,270). Areas that were not considered a DAC are those with an MHI above $51,026.

Additional communities were located with the UC Davis DUC shapefiles (item #9). They were compared with the community shapes already developed above. New community shapes were digitized based on aerial imagery (Google Maps) and UC Davis community shapes to determine the best estimate of a community footprint. These community shapes were then assigned correlating attributes (IRWM region, County, MHI, and DAC status).

Once a preliminary dataset was developed, the following steps were taken to improve the database:

- Reviewed each of the IRWM plans to cross reference the list of DACs in comparison with the database.
- Reviewed Wikipedia pages or County Local Agency Formation Commission (LAFCo) web sites for each county within the SJRFA and found a list of what the County considered to be its incorporated cities, CDPs, and unincorporated communities.
  - Integrated unincorporated communities that were not already in the dataset.
- Upon completion of adding in these new unincorporated communities by aerial verification, the community shapes were assigned correlating attributes (IRWM region, County, MHI, and DAC status).

The updated list of communities and corresponding data were subsequently updated with additional data gathered, specific to the water supply system. This effort included the following steps:

- Contact information for the Public Water Systems: downloaded a SDWIS Public Water Systems file and joined to the communities based on the public water system identification number.
- PWS Compliance Status: downloaded the violations/compliance status from the Human Right to Water Portal.
  - Violation type determined for PWS that are out of compliance or returned to compliance.
- Wastewater treatment facility locations: downloaded facilities with active waste discharge requirements from CIWQS Regulated Facilities Report.
3.4 Database Limitations

The database includes currently available data, but it is not a complete and comprehensive database of all water supply systems in the SJRFA, and as such, should be considered a work in progress for future updating. It is likely that there are communities and/or systems with water quality problems that have not been specifically identified because water quality data were limited or not available. Very small water systems (15 connections and fewer) are likely to have the greatest limitations in data available, and data for households with individual wells were also not available.

Data that has been collected and compiled are linked together using a unique identification number assigned to each community. The information included in the database consists primarily of simplified numeric data. It does not provide explanation or comment on the possible unique circumstances associated with the data.

Water systems that are not permitted by DDW, such as individual wells for single family homes, may not be fully represented in the database. The lack of data for individual, unregulated systems precludes the precise determination of the population of DACs affected by water quality issues.

The database does not contain information regarding the volume of water produced and consumed at the listed water systems. Thus, it is difficult to determine whether a system has sufficient water supply capacity.

Because of the limitations discussed above, the primary use of the database is to statistically evaluate drinking water contamination issues in the SJRFA. Accordingly, the primary value of the database search is to indicate the general occurrence of the problems faced by DACs, to identify the magnitude of the problems and general location, and to identify the major constituents of concern.

For each community, water source and respective water quality is unique. Each water system is unique. There is no “standard” solution that will apply for each water system with a given issue. This database therefore provides general background from which to start, but specific community outreach and feasibility studies will need to be conducted on a community-by-community basis in order to develop the appropriate solution for each community.
Section 4. Needs Assessment Findings

The following subsections discuss the Needs Assessment findings, including information obtained from the DAC database and information gathered from the community survey and workshops.

4.1 Preliminary Water Needs in DACs

Based on the data collected for this region, there are 123 DACs identified within the SJRFA, of which 57 are SDACs. Collectively, disadvantaged and severely disadvantaged communities are referred to as DACs. A summary count of communities by type is shown in Table 2 and summarized in Figure 6. Disadvantaged communities within the SJRFA are shown by IRWM group in Section A of Appendix A, the San Joaquin River Funding Area Map Book. The DACs within the SRJFA are also listed by IRWM Region in Table 3.

These tables do not include consolidated systems, which are presented later in this section. Communities that are assumed to be consolidated with a neighboring water system are shown in the map book (Appendix A) and are still shown on maps so that communities and/or issues are represented spatially. However, they are not included in these summary tables to avoid duplication.

Figure 6: Summary of Community DAC Status in SJRFA

Table 2: Summary of Community DAC Status, Population, and Water Service Connections

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Table 3: Disadvantaged Communities by IRWM Region

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² Population data was not collected for communities that do not have a public water system.
³ Connections refers to the number of public water system connections. The number of connections for communities that do not have a public water system is not applicable (NA).
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<th>Community Name</th>
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<td>Outside IRWM</td>
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</table>

* The northern and southern portions of the City of Stockton are served by the City's system. The central portion of Stockton is served by California Water Service.
4.1.1 Needs Assessment Template Table

DWR provided an example template for the DAC Needs Assessment (see Table 4). Each funding area was required to conduct a Needs Assessment; however, it was left up to the Funding Area to determine the scope of the Needs Assessment based on the specific needs and desires of that area.

Table 4: DWR Needs Assessment Template Table

<table>
<thead>
<tr>
<th>Community Characteristics</th>
<th>Drinking Water</th>
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<tr>
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<td>County</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

(continued)

The SJRFA elected to conduct a Needs Assessment with a focused scope in the first phase of work. Based on the findings of the current Needs Assessment, the SJRFA will determine if there are additional tasks associated with the Needs Assessment that would be included in a second phase of work through the DACI Program. The scope of the Needs Assessment for the SJRFA included the following in the first phase of work:

- Data Collection and Analysis
  - Define DAC for the San Joaquin River Funding Area
  - Develop a Database of DACs in the Funding Area
  - Collect Data Regarding the State of Water Resources in the Funding Area
  - Data Mapping, including maps of DACs, Water Quality Issues, and Water Supply Issues
  - Supplement and Ground-Truth the Data through Community Outreach
  - Summarize and Evaluate the Needs Assessment Data
- Prepare Draft Needs Assessment Report
- Prepare Final Needs Assessment Report and Submit to DWR

The data collection effort that was conducted for the SJRFA is shown in Table 5.
4.1.2 Water Supply

The majority of communities within the SJRFA rely on groundwater for drinking water supply. Of the 123 DACs within the SJRFA, approximately 93% rely on groundwater that either comes from a public water system, private wells, or is purchased from a nearby system and may be conveyed through a single master meter. Approximately 7% rely on surface water that either comes from a public water system or is purchased from a nearby water system. A summary of DAC water sources is provided in Table 6.

<table>
<thead>
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<th>Source</th>
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<th>DAC Water Systems with 1 Source</th>
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<td><strong>Total</strong></td>
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<td><strong>40</strong></td>
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</table>

1. Private well communities are communities that rely on individual private wells for water supply. These communities do not have a water system, and therefore this is not applicable.

The main challenges to DACs within the region related to water supply are an insufficient quantity of water and a lack of redundancy or reliability of the water supply. Water systems that are considered to be the most vulnerable are those that rely on a single source of supply. Approximately 33% of the DACs within the funding area rely on a water system with only one source of water. In addition, approximately 28% of the DACs in the area are not part of a public water system and rely on individual private wells, which are also extremely vulnerable to changes in water conditions because of the shallow nature of most private wells. Therefore, approximately 61% of the DACs within the funding area have a water supply vulnerability. Table 7 shows the DACs that rely on only one source for their water supply, while Table 8 shows the DACs that rely on private wells. These are summarized graphically in Figure 7 and Figure 8.
### Table 7: Disadvantaged Community Water Systems with a Single Water Source

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Table 8: Disadvantaged Communities Relying on Individual Private Wells

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Figure 7: DAC Water Sources

Figure 8: Summary of Disadvantaged Communities Relying on Individual Private Wells
4.1.3 Water Quality

For the purposes of this report, systems are identified as being in one of three compliance categories:

- In Compliance (no current compliance orders)
- Out of Compliance (active compliance order)
- Returned to Compliance (previous compliance order that has been resolved since January 2012)

The compliance data is current as of June 2019. For those that are Out of Compliance or Returned to Compliance, the constituent that caused the compliance order is shown on Table 9. Compliance issues related to monitoring or reporting issues are not included in this data set. It is noted that coliform violations are not used to determine compliance. The State currently issues citations rather than compliance orders for the coliform MCL. Therefore, communities that have had recent coliform violations are still considered "In Compliance" by the State and in this report.

There are 89 DACs with water systems within the SJRFA. Of the DACs with water systems, 61 (69%) are currently in compliance with water quality standards, 20 (22%) are out of compliance, and eight (9%) have returned to compliance (Figure 9). The returned to compliance classification is based on the Human Right to Water portal data, and is typically a system with a previous compliance order that has been resolved since 2012.

![Figure 9: Compliance Status Summary](image)

While the majority of systems are identified as being in compliance, they may still have issues that are not reflected by compliance status. The following are types of issues impacting DACs in the SJRFA which may not be cause for State to issue a compliance order:

- Coliform MCL violation
- Insufficient water
- Distribution system insufficiencies
- Vulnerability due to constituents of concern near the MCL (potential to exceed)
The most recent change to California drinking water regulations was the 1,2,3-Trichloropropane (1,2,3-TCP) MCL which went into effect as of December 14, 2017. As a result, many water systems have recently received compliance orders for TCP violations, and there may be more on the verge of receiving a compliance order. 1,2,3-TCP is the subject of ongoing litigation, and it is advised that communities consult with legal counsel regarding TCP contamination issues.

The main water quality issues for systems that are out of compliance are for arsenic and 1,2,3-TCP. Other compliance orders are for total trihalomethanes (TTHM), uranium, and haloacetic acids (HAA5), as shown on Figure 10. Some communities are out of compliance for more than one constituent, therefore there may be more compliance issues than number of communities that are out of compliance.

Figure 10: DAC Compliance Issues
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<td>DAC</td>
<td>Merced</td>
<td>Merced</td>
<td>Out-Of-Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Merced</td>
<td>DAC</td>
<td>Merced</td>
<td>Merced</td>
<td>In Compliance</td>
<td>1,2,3-TCP MCL</td>
</tr>
<tr>
<td>Planada</td>
<td>DAC</td>
<td>Merced</td>
<td>Merced</td>
<td>In Compliance</td>
<td>1,2,3-TCP MCL</td>
</tr>
<tr>
<td>Winton</td>
<td>DAC</td>
<td>Merced</td>
<td>Merced</td>
<td>Out-Of-Compliance</td>
<td>1,2,3-TCP MCL</td>
</tr>
<tr>
<td>Crows Landing</td>
<td>SDAC</td>
<td>Stanislaus</td>
<td>Westside - San Joaquin</td>
<td>In Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Dos Palos</td>
<td>SDAC</td>
<td>Merced</td>
<td>Westside - San Joaquin</td>
<td>Out-Of-Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Dos Palos Y</td>
<td>SDAC</td>
<td>Merced</td>
<td>Westside - San Joaquin</td>
<td>In Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Firebaugh</td>
<td>SDAC</td>
<td>Fresno</td>
<td>Westside - San Joaquin</td>
<td>In Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Gustine</td>
<td>SDAC</td>
<td>Merced</td>
<td>Westside - San Joaquin</td>
<td>In Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Las Deltas</td>
<td>SDAC</td>
<td>Fresno</td>
<td>Westside - San Joaquin</td>
<td>Out-Of-Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Los Banos</td>
<td>DAC</td>
<td>Merced</td>
<td>Westside - San Joaquin</td>
<td>In Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>San Luis Hills</td>
<td>DAC</td>
<td>Merced</td>
<td>Westside - San Joaquin</td>
<td>Returned to Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Santa Nella</td>
<td>SDAC</td>
<td>Merced</td>
<td>Westside - San Joaquin</td>
<td>Returned to Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>Westley</td>
<td>SDAC</td>
<td>Stanislaus</td>
<td>Westside - San Joaquin</td>
<td>In Compliance</td>
<td>TTHM MCL</td>
</tr>
<tr>
<td>San Joaquin River Club</td>
<td>DAC</td>
<td>San Joaquin</td>
<td>Outside IRWM</td>
<td>In Compliance</td>
<td>TTHM MCL</td>
</tr>
</tbody>
</table>
California Urban Water Agencies Drinking Water System Analysis

Additional work related to water quality compliance in DACs is being conducted by California Urban Water Agencies (CUWA). CUWA, established in 1990, is a nonprofit corporation of 11 major urban water agencies that collectively deliver drinking water to two-thirds of California’s population. CUWA is conducting an ongoing analysis of the State Water Resources Control Board’s (SWRCB’s) drinking water data to identify persistent, non-compliant water systems in California, prioritize assistance to the water systems based on targeted criteria, and provide strategies to restore safe and reliable drinking water to affected Californians. The purpose of CUWA’s work is to complement and support existing State efforts to achieve near-term water supply or treatment solutions for severely impacted public water systems that have had ongoing compliance issues. The information summarized in this section was compiled by CUWA.

CUWA proposes a three-pronged approach to break the cycle of underperforming water systems and address the root causes of water quality issues that result in unsafe water supplies. First, identify the most at-risk and severely impacted water systems in the State that have had persistent water quality challenges (i.e., that have had health-based violations for the past 12 or more quarters). CUWA delineated that 80% of the population affected by persistent violations can be addressed by targeting 20% of the high-risk systems (those with >200 connections) based on data from 2013-2017. This correlates to approximately 30 systems in California having persistent violations of priority constituents, which impact 111,700 people. These data are summarized in Table 10. CUWA proposes to initially target this subset of systems to identify feasible solutions, such as regionalization or consolidation efforts, and inform next steps to restore safe, long-term, and sustainable water supplies to all California residents.

Table 10: Summary of Water Systems with Persistent Violations and Population Impacted

<table>
<thead>
<tr>
<th>Number of Connections</th>
<th>Number of Systems with Persistent Violations</th>
<th>Population Impacted</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥200</td>
<td>33</td>
<td>111,700</td>
</tr>
<tr>
<td>&lt;200</td>
<td>117</td>
<td>25,800</td>
</tr>
<tr>
<td>Total</td>
<td>150</td>
<td>137,500</td>
</tr>
</tbody>
</table>

Source: CUWA 2019.

The second recommendation in CUWA’s efforts to address safe and clean water accessibility is to develop strategies to achieve compliance for the water systems with persistent violations. Existing stakeholders, and possibly new or reconfigured water authorities and/or governance structures, should engage as partners to implement near-term results that will return water systems to compliance and help them remain in compliance. This step will involve evaluation of new treatment and monitoring technologies and consideration of partnership models for the shared use of regional resources. The compliance strategies developed within this scope can maximize operational and financial efficiencies to reduce further impacts to California communities.

Lastly, CUWA highlights that efforts to prevent new, unsustainable water systems from forming should be a critical feature of any plan to restore and maintain water accessibility. It is crucial that new water systems throughout the State be appropriately evaluated for their technical, managerial, and financial capacities before being permitted to construct or operate. These efforts will ensure that California communities will continue to be served with high-quality services and that residents’ health will be protected.
CUWA is attempting to integrate its efforts with State agencies and programs that are working towards permanent solutions to restore safe and clean drinking water to California communities. A key opportunity is collaborating CUWA’s research with the knowledge and efforts of the IRWM program. As a part of its analysis, CUWA identified water systems in the SJRFA that meet the study’s high-risk criteria. Shown in Table 11, below, these SJRFA water systems cumulatively serve approximately 28,500 people.

Table 11: Summary of Water Systems in SJRFA Meeting CUWA High-Risk Criteria

<table>
<thead>
<tr>
<th>Water System</th>
<th>County</th>
<th>Constituents of Concern</th>
<th>DAC Status</th>
<th>Population Served</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Dos Palos</td>
<td>Merced</td>
<td>TTHM</td>
<td>all</td>
<td>7,452</td>
</tr>
<tr>
<td>Le Grand Community Services District</td>
<td>Merced</td>
<td>1,2,3-TCP</td>
<td>all</td>
<td>1,700</td>
</tr>
<tr>
<td>Winton Water &amp; Sanitary District²</td>
<td>Merced</td>
<td>1,2,3-TCP</td>
<td>all</td>
<td>8,500</td>
</tr>
<tr>
<td>City of Hughson</td>
<td>Stanislaus</td>
<td>Arsenic, 1,2,3-TCP</td>
<td>partial, south &amp; east areas</td>
<td>6,082</td>
</tr>
<tr>
<td>Keyes Community Services District</td>
<td>Stanislaus</td>
<td>Arsenic, 1,2,3-TCP</td>
<td>all</td>
<td>4,805</td>
</tr>
</tbody>
</table>

1. DAC status according to DWR Online DAC Mapping Tool
2. Winton Water & Sanitary District has continued 1,2,3-TCP levels above the MCL, so they have been included here; their compliance deadline is 2021.

Some of the systems above have initiated projects to partially resolve their water quality compliance issues (including, but not limited to, the constituents listed in Table 11). For example, the City of Hughson has secured financing for a well replacement, arsenic treatment facility, and storage/blending tank project. Also, the Keyes Community Services District is constructing a regional benefit arsenic mitigation project. These efforts will help resolve quality issues related to the target constituents, but additional quality concerns (for 1,2,3-TCP and potentially others) still exist for those systems. The other listed high-risk systems in Table 11 may not currently have projects underway or financing secured to address their water accessibility issues.

As a part of future work that will build on this Needs Assessment, the SJRFA can choose to utilize CUWA’s analysis and to help identify outreach and education activities, capacity building, project development, and technical assistance in these communities to collectively achieve progress on returning these systems to compliance.

4.1.4 Consolidated Systems

Consolidation system information included in this Needs Assessment is based on:

- Consolidation statistics from the SWRCB for 2017 and 2018
- Comparison of active water system IDs for communities in the study area

The SWRCB Division of Drinking Water started tracking consolidations in 2017. DDW did not comprehensively track consolidations prior to 2017. In the SJRFA, most of the consolidated systems are small communities that have been consolidated with an adjacent city. There have been 14 consolidated DAC water systems identified, as summarized in Table 12.
**Table 12: DACs – Consolidated Systems**

<table>
<thead>
<tr>
<th>Community Name</th>
<th>System Name</th>
<th>County</th>
<th>IRWM Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Dos Palos</td>
<td>City of Dos Palos</td>
<td>Merced</td>
<td>Westside - San Joaquin</td>
</tr>
<tr>
<td>August</td>
<td>California Water Service - Stockton</td>
<td>San Joaquin</td>
<td>Eastern San Joaquin</td>
</tr>
<tr>
<td>Garden Acres</td>
<td>California Water Service - Stockton</td>
<td>San Joaquin</td>
<td>Eastern San Joaquin</td>
</tr>
<tr>
<td>Country Club</td>
<td>California Water Service - Stockton</td>
<td>San Joaquin</td>
<td>Eastern San Joaquin</td>
</tr>
<tr>
<td>French Camp</td>
<td>City of Stockton</td>
<td>San Joaquin</td>
<td>Eastern San Joaquin</td>
</tr>
<tr>
<td>Taft Mosswood</td>
<td>City of Stockton</td>
<td>San Joaquin</td>
<td>Eastern San Joaquin</td>
</tr>
<tr>
<td>Airport</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
<tr>
<td>Bret Harte</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
<tr>
<td>Bystrom</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
<tr>
<td>Parklawn</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
<tr>
<td>Rouse</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
<tr>
<td>Shackelford</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
<tr>
<td>West Modesto</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
<tr>
<td>Empire</td>
<td>City of Modesto</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
</tr>
</tbody>
</table>

Effective June 24, 2015, Senate Bill 88 (Statutes 2015, Chapter 27) added Sections 116680-116684 to the California Health and Safety Code allowing the SWRCB to require certain water systems that consistently fail to provide safe drinking water to consolidate with, or receive an extension of service from, another public water system. The consolidation can be physical or managerial. The changes to the Health and Safety Code give DDW authority to mandate such consolidations or extension of service following a series of specific actions. DDW will issue letters to water systems to consolidate with, or seek an extension of service, from a public water system. The recipients of such letters have up to six months from the date the letter is issued to voluntarily consolidate with or receive an extension of service from a public water system. As letters to public water systems are issued, they are made publicly available. SWRCB is currently or has pursued mandatory consolidation or extension of service for the following DACs, as identified on the SWRCB website (see Table 13). The last entity listed in the table for each consolidation is the potential receiving water system.

In addition to those mandatory consolidations, Table 14 provides a summary of water systems serving DACs with water quality or quantity issues that are currently evaluating the feasibility of consolidation or are included in a construction project for consolidation through the SWRCB, Division of Financial Assistance. This table is only for those DACs that are within the SJRFA. The SWRCB website has a listing of additional water systems evaluating the feasibility of consolidation.
Table 13: Mandatory Consolidation or Extension of Service for DACs

<table>
<thead>
<tr>
<th>Water Systems</th>
<th>6-Month Consolidation Letter</th>
<th>Public Meeting Date</th>
<th>Public Hearing Date</th>
<th>Mandatory Consolidation Order</th>
<th>Resolved to Consolidate Voluntarily</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceres West Mobile Home Park City of Ceres*</td>
<td>8/23/2017</td>
<td>5/30/2018</td>
<td>10/1/2018</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Black Rascal Water Company City of Merced</td>
<td>9/22/2016</td>
<td>12/8/2016</td>
<td>N/A</td>
<td>Note: Determined not to be DAC. Mandatory consolidation ceased.</td>
<td></td>
</tr>
<tr>
<td>Madera County Maintenance District #19 Parkwood City of Madera</td>
<td>6/15/2016</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* Voluntary negotiation period extended due to City's 1,2,3-TCP violation.

Table 14: Potential Consolidation for DACs with Water System Violations

<table>
<thead>
<tr>
<th>System No.</th>
<th>System Name</th>
<th>Population</th>
<th>County</th>
<th>Compliance Issue</th>
<th>Receiving System</th>
<th>Approximate Consolidation Distance (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRCB-Funded Consolidation Projects for Disadvantaged Communities with Violations, Active Planning Phase or Funding Agreement for Planning in Process</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5000019</td>
<td>Riverdale Park Tract CSD</td>
<td>300</td>
<td>Stanislaus</td>
<td>Uranium</td>
<td>City of Modesto</td>
<td>0.1</td>
</tr>
<tr>
<td>3900579</td>
<td>Century Mobile Home Park</td>
<td>50</td>
<td>San Joaquin</td>
<td>Arsenic</td>
<td>City of Stockton</td>
<td>0.3</td>
</tr>
<tr>
<td>3901213</td>
<td>Avalos, Silvia</td>
<td>30</td>
<td>San Joaquin</td>
<td>Arsenic</td>
<td>City of Stockton</td>
<td>0.4</td>
</tr>
<tr>
<td>5000033</td>
<td>Cobles Corner</td>
<td>50</td>
<td>Stanislaus</td>
<td>Arsenic</td>
<td>City of Hughson</td>
<td>0.5</td>
</tr>
<tr>
<td>5000218</td>
<td>Country Villa Apts</td>
<td>30</td>
<td>Stanislaus</td>
<td>Arsenic</td>
<td>City of Hughson</td>
<td>0.8</td>
</tr>
<tr>
<td>2010004</td>
<td>Madera CO CMD No. 19 Parkwood</td>
<td>1637</td>
<td>Madera</td>
<td>Water shortage, Manganese</td>
<td>City of Madera</td>
<td>0.25</td>
</tr>
<tr>
<td>SWRCB-Funded Consolidation Projects for Disadvantaged Communities with Unsafe Water, Construction Projects</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5010009</td>
<td>Keyes CSD (Receiving System)</td>
<td>4805</td>
<td>Stanislaus</td>
<td>Arsenic</td>
<td>Installing Arsenic Treatment System</td>
<td>N/A</td>
</tr>
<tr>
<td>System No.</td>
<td>System Name</td>
<td>Population</td>
<td>County</td>
<td>Compliance Issue</td>
<td>Receiving System</td>
<td>Approximate Consolidation Distance (miles)</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------------</td>
<td>------------</td>
<td>----------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>5000051</td>
<td>Mobile Plaza Park</td>
<td>125</td>
<td>Stanislaus</td>
<td>Arsenic</td>
<td>Keyes CSD</td>
<td>0.7</td>
</tr>
<tr>
<td>5000217</td>
<td>Faith Home Teen Ranch</td>
<td>50</td>
<td>Stanislaus</td>
<td>Nitrate</td>
<td>Keyes CSD</td>
<td>0.7</td>
</tr>
<tr>
<td>500085</td>
<td>Green Run Mobile Estates</td>
<td>100</td>
<td>Stanislaus</td>
<td>Arsenic</td>
<td>Keyes CSD</td>
<td>0.3</td>
</tr>
<tr>
<td>5000086</td>
<td>Countryside MHP</td>
<td>60</td>
<td>Stanislaus</td>
<td>Arsenic</td>
<td>Keyes CSD</td>
<td>0.85</td>
</tr>
<tr>
<td>5000057</td>
<td>Orchard Village MHP</td>
<td>75</td>
<td>Stanislaus</td>
<td>Arsenic</td>
<td>Keyes CSD</td>
<td>0.1</td>
</tr>
<tr>
<td>2010008</td>
<td>Valley Teen Ranch</td>
<td>3039</td>
<td>Madera</td>
<td>Arsenic</td>
<td>Madera CO MD10A-Madera Ranchos</td>
<td>2</td>
</tr>
</tbody>
</table>

Note: These tables are based on SWRCB consolidation webpage. Systems identified may not be considered disadvantaged based on the data collected for this Needs Assessment.

4.1.5 Wastewater Treatment Facilities

In addition to the source water issues faced by DACs in the SJRFA, many communities also face issues with their wastewater. Wastewater challenges include reliance on septic systems that may be failing or potentially contaminating the groundwater, failing or insufficient sewer collection systems, or wastewater treatment systems that are not capable of meeting the limitations set forth in the facility's waste discharge requirements.

There are approximately 54 wastewater treatment facilities with active waste discharge requirements (WDRs) or National Pollutant Discharge Elimination System (NPDES) permits in the SJRFA, as shown in Table 15. The table includes both DAC and non-DAC communities, cities and county service areas. Of the active wastewater treatment facilities, approximately 35 have had enforcement actions in the past five years. An evaluation of the type of enforcement actions that have been issued was not included in this Needs Assessment.

On May 31, 2018, the Central Valley Regional Water Quality Control Board (CVRWQCB) adopted Resolution R5-2018-0034, Amendments to the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and the Tulare Lake Basin to Incorporate a Central Valley-Wide Salt and Nitrate Control Program. The SWRCB has not yet approved the amendment. However, approval of this amendment could impact waste discharge requirements throughout the SJRFA.
<table>
<thead>
<tr>
<th>Community Name</th>
<th>Agency</th>
<th>DAC Status</th>
<th>County</th>
<th>IRWM Region</th>
<th>Design Flow (mgd)</th>
<th>Enforcement Actions in last 5 Years (#)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galt</td>
<td>City of Galt</td>
<td>Not DAC</td>
<td>Sacramento</td>
<td>American River Basin</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td>Rancho Murieta</td>
<td>Rancho Murieta Community Services District</td>
<td>Not DAC</td>
<td>Sacramento</td>
<td>American River Basin</td>
<td>2.4</td>
<td>2</td>
</tr>
<tr>
<td>Brentwood</td>
<td>Brentwood</td>
<td>Not DAC</td>
<td>Contra Costa</td>
<td>East Contra Costa County</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Byron</td>
<td>Byron Sanitary District</td>
<td>Not DAC</td>
<td>Contra Costa</td>
<td>East Contra Costa County</td>
<td>0.1</td>
<td>1</td>
</tr>
<tr>
<td>Discovery Bay</td>
<td>Town of Discovery Bay</td>
<td>Not DAC</td>
<td>Contra Costa</td>
<td>East Contra Costa County</td>
<td>2.1</td>
<td>9</td>
</tr>
<tr>
<td>Oakley</td>
<td>Diablo Water District</td>
<td>Not DAC</td>
<td>Contra Costa</td>
<td>East Contra Costa County</td>
<td>4.3</td>
<td>3</td>
</tr>
<tr>
<td>Ceres</td>
<td>City of Ceres</td>
<td>DAC</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
<td>1.8</td>
<td>1</td>
</tr>
<tr>
<td>Modesto</td>
<td>City of Modesto</td>
<td>DAC</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
<td>14.9</td>
<td>12</td>
</tr>
<tr>
<td>Del Rio</td>
<td>Del Rio East HOA Water System</td>
<td>Not DAC</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
<td>0.015</td>
<td>1</td>
</tr>
<tr>
<td>Delhi</td>
<td>Delhi CWD</td>
<td>DAC</td>
<td>Merced</td>
<td>East Stanislaus</td>
<td>0.8</td>
<td>1</td>
</tr>
<tr>
<td>Grayson</td>
<td>Grayson Community Services District</td>
<td>SDAC</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
<td>0.1</td>
<td>1</td>
</tr>
<tr>
<td>Hilmar-Irwin</td>
<td>Hilmar County Water District</td>
<td>Not DAC</td>
<td>Merced</td>
<td>East Stanislaus</td>
<td>0.3</td>
<td>1</td>
</tr>
<tr>
<td>Hughson</td>
<td>City of Hughson</td>
<td>Not DAC</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
<td>1.8</td>
<td>0</td>
</tr>
<tr>
<td>Oakdale</td>
<td>City of Oakdale</td>
<td>Not DAC</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
<td>2.45</td>
<td>1</td>
</tr>
<tr>
<td>Community Name</td>
<td>Agency</td>
<td>DAC Status</td>
<td>County</td>
<td>IRWM Region</td>
<td>Design Flow (mgd)</td>
<td>Enforcement Actions in last 5 Years (#)</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------------------</td>
<td>------------</td>
<td>--------------</td>
<td>----------------------</td>
<td>-------------------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>Riverbank</td>
<td>City of Riverbank</td>
<td>Not DAC</td>
<td>Stanislaus</td>
<td>East Stanislaus</td>
<td>7.5</td>
<td>3</td>
</tr>
<tr>
<td>Salida</td>
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4.2 Funding Area and Region-wide Workshop Findings

As part of the data collection for the DAC Needs Assessment, supplemental data collection and ground-truthing efforts were conducted through two SJRFA-wide meetings and single regional community workshops in each of the seven participating IRWM regions. The first SJRFA meeting was held on April 10, 2019 at the Modesto Centre Plaza. The goal of this meeting was to provide information on the IRWM and DACI program, present preliminary findings of the SJRFA DAC Needs Assessment and the DACI survey, as well as to discuss community water needs. Feedback and input provided during this meeting were incorporated into this report and helped further refine the Needs Assessment. Attendees also had the opportunity to complete and submit the survey on site. The second funding area meeting was held on October 22, 2019 in Modesto. The purpose of this second SJRFA-wide meeting was to present the final draft of the Needs Assessment Report, provide the SAC, community residents and members of the public an opportunity to ask questions, and provide feedback and recommendations.

Single (IRWM) regional community workshops were held in each of the seven participating IRWM regions. Similar to the SJRFA-wide workshops, the goals for these workshops were to provide further information about the IRWM and DACI programs, present preliminary findings of the DAC Needs Assessment, discuss community water needs, complete the DACI survey and identify community residents to participate in the SAC. Feedback obtained at these meetings helped characterize the needs of DACs in the SJRFA and develop recommendations for Phase Two of the DACI program. Self-Help Enterprises (SHE) led the regional workshops in five regions – Madera, Merced, East Stanislaus, Eastern San Joaquin and Westside-San Joaquin. The Environmental Justice Coalition for Water (EJCW) conducted workshops in two regions – American River Basin and East Contra Costa. Agendas and meeting materials were slightly modified in order to meet the needs of each of the IRWM regions.

Regional meetings were held between May 28, 2019 and September 30, 2019. Overviews of each of the IRWM workshops are included below.

4.2.1 American River Basin

The American River Basin held a Public Meeting on the Community Water Need Assessment on September 30, 2019 in Galt. The workshop was led by EJCW staff, who provided an overview of the IRWM and DACI program, presented information about the Needs Assessment, and facilitated the community water needs discussion. EJCW staff then led the discussion engaging the participants about their concerns about local water and provided information on the importance of DAC participation and how to get involved. EJCW utilized this meeting to invite community members who reside within the American River Basin boundaries, specifically Galt and Elk Grove, to learn more about the American River Basin region (specifically who are the member agencies, where/when does the group meet and how to get involved), and to discuss potential projects and upcoming funding opportunities under the IRWM program. All workshop materials (meeting agenda, PowerPoint and community survey) were made available in both English and Spanish. EJCW staff member was available to provide translation as needed for the meeting.

A total of 15 residents of Galt attended the Public Meeting. Although outreach was conducted in Elk Grove, no Elk Grove residents attended the meeting.

Outreach Methods

Drawing upon experience working with San Joaquin Valley DACs, EJCW developed an individualized outreach plan specific to the DACs within the American River Basin boundaries. Most DACs are located in rural locations, lack access to internet broadband services, and are often comprised of residents who speak a language other than English. For these reasons, EJCW utilized several outreach
methods and developed bilingual (English and Spanish) communication materials, including a meeting flyer, invitation emails and social media posts. Outreach methods included site visits in order to conduct door-to-door outreach, post flyers in key locations with heavy foot traffic, phone calls to community leaders asking them to share the information within their community, mailing and emailing flyers, utilizing social media and posting workshops on Eventbrite.

EJCW conducted outreach to the DACs that were identified during preparation of the Needs Assessment. Door-to-door outreach was conducted in the DAC communities in Galt and Elk Grove. Outreach was also conducted in various faith communities in Galt. Outreach efforts invited and encouraged participation in the region-wide workshop. In larger communities with a higher number of homes, flyers were posted at key locations. This outreach method was utilized in Galt and Elk Grove.

Emails were sent to interested groups and previous participants of EJCW workshops/events. Mailers were sent to contacts that had provided previous address information from EJCW workshops/events, as well as water systems that were identified by Provost & Pritchard for the Needs Assessment. Phone calls were also made to previous participants who provided phone numbers at EJCW workshops/events. The DAC list developed as part of the Needs Assessment included contact information for the publicly regulated water and/or wastewater systems. Additional contact information for these DACs was derived from stakeholder lists and community contacts that EJCW staff maintains. Additionally, with the support of the City of Galt and Elk Grove, EJCW was able to extend their outreach to community contacts that had shown prior interest with the City regarding water-related events/needs. Approximately 50 emails were sent out to interested parties and about 55 mailers were sent out to those contacts that had provided address information. The Wilton Rancheria is within the SJRFA portion of the American River Basin Region, and representatives may have been contacted during outreach if they were included in existing stakeholder lists, but no individual outreach to tribal contacts was conducted as part of this effort.

Successes and Constraints

EJCW staff encountered several challenges related to encouraging residents to attend the workshop. These challenges included location of workshop, distance of travel and budget constraints. Due to the large, dense geographic region of the American River Basin Area, the location of the workshop, Galt, was chosen due to the centrality of the area. Although it was a central location, the location may have caused some travel constraints for communities located further out into the region such as Elk Grove. Additionally, due to the large size and the number of DAC neighborhoods in Galt (in comparison to Elk Grove), some of the communities had limited budget to conduct door-to-door outreach in all communities, flyers had to be posted in key locations rather than conducting individualized outreach. EJCW ensured that flyers were posted in areas of high concentration and/or areas of high interest.

Although challenges were experienced, EJCW successfully engaged community residents at this Public Meeting from Galt. EJCW effectively and efficiently worked with the IRWM representative to host and conduct the Public Meeting in Galt. Lastly, the community residents and other stakeholders who attended the Public Meeting provided important information about their water-related needs, priorities and offered recommendations. Moreover, the meeting provided residents the opportunity to directly engage with their IRWM representative.

Outcomes

Overall, the meeting cultivated rich discussions among community residents in attendance. Although the majority of the attendees were from Galt, the discussions were diverse and community residents
showed interest in helping each other further develop ideas on how to address community water needs.

- Based on the outcome of this meeting, the project team learned that community residents and other stakeholders are interested in continuing to obtain information about the IRWM and the DACI programs. Those in attendance inquired about additional opportunities to engage more formally in the DACI program, provided recommendations on how to continue to outreach to and engage DACs, and requested that meeting materials and information continue to be provided in both English and Spanish. Participants recommended having a second Public Meeting to encourage further community dialogue about their issues and concerns.

- Participants expressed overwhelming interest in obtaining assistance in order to identify, develop and submit funding requests. Special emphasis was placed on projects that address immediate/serious water needs or that provide regional benefits.

- Community residents from Galt shared information regarding recent water sampling that had been done by EJCW through another technical assistance program and asked whether this information would be reflected in the Needs Assessment/shown on the appropriate maps. Residents reported that sampling results had indicated high levels of nitrates.

- As it relates to community participation within the American River Basin region, some of the participants expressed the need to obtain additional information regarding the IRWM plan/how to join the group, and process to propose, rank and select projects. Participants were also interested in obtaining regular updates on IRWM activities and funding opportunities.

**Recommendations**

Based on the discussions of the meeting, the following recommendations are proposed:

- Continue hosting informational workshops in order to inform communities about IRWM, how they can participate, funding opportunities and deadlines, and/or to provide feedback/information to the region.

- Conduct workshops, meetings and events at multiple locations, rather than at a central location, in order to make the location accessible to communities. This can help optimize meeting attendance and allow DACs to effectively engage in the IRWM program.

- Ensure that workshop/meeting materials, along with any education information, continue to be made available in Spanish and other languages, as needed, to ensure inclusivity of community members.

- Consider revisiting projects that were previously denied by DACs, reevaluate engagement and outreach efforts utilized, and consider implementing new engagement strategies and analysis in order to ensure community members fully understand the benefits, costs, and impacts of not moving forward with the project.

- Identify ways to address water-related needs, priority projects proposed by community members, and work closely with them to ensure that these communities are effectively participating in IRWM, as well as benefiting from the DACI program funds.

- Improve Needs Assessment by including historical water challenges, trends and future risks/impacts, showing MCL violations for the various constituents of concern and including water quality information for private domestic wells.
4.2.2 East Contra Costa County

The East Contra Costa County (ECCC) Region-wide workshop took place on May 22, 2019 in Oakley. Community members were invited to learn more about the ECCC region (specifically who are the member agencies, where/when does the group meet and how to get involved) and discuss potential projects and upcoming funding opportunities under the IRWM program. The workshop was led by EJCW staff with support from representatives from the ECCC IRWM group. EJCW provided background information, including an overview of the IRWM and DACI programs and information about the Needs Assessment. EJCW also facilitated the community water needs discussion providing information on the importance of DAC participation and how to get involved. All workshop materials (meeting agenda, PowerPoint and community survey) were made available in both English and Spanish. EJCW staff also provided translation during the meeting.

A total of 17 attendees were present at the workshop. Attendees included representatives from the Diablo Water District, Contra Costa Water District, Pleasantimes Mutual Water Company, Bethel Island Municipal Improvement District, Angler Ranch #3, Oakley Mutual Water Company, Contra Costa Resource Conservation District, and the cities of Antioch and Brentwood.

Outreach Methods

Outreach prior to the ECCC region meeting was conducted by EJCW. EJCW conducted outreach in both English and Spanish, since many DACs are comprised of residents who speak languages other than English. Outreach materials included a meeting flyer, invitation emails, and social media posts. distributed a meeting. Outreach methods included site visits in order to conduct door-to-door outreach, post flyers in key locations with heavy foot traffic, phone calls to community leaders asking them to share the information within their community, mailing and emailing flyers, utilizing social media and posting workshops on Eventbrite.

Successes and Constraints

The ECCC region meeting was combined with a regularly scheduled meeting of the IRWM group. This resulted in strong engagement from IRWM participants and agency representatives. Due to the timing of the meeting (weekday morning), it may have been difficult for community members to attend the workshop. Several small community water systems that serve DACs were still represented among the workshop attendees. The ECCC region’s representatives were able to work efficiently with the Needs Assessment team in order to schedule the workshop and coordinate to engage potential meeting attendees.

Outcomes

The community discussion at the meeting is summarized below.

- Attendees expressed interest in additional maps of the DAC areas in the region. Maps provided at the meeting showed DACs by census-designated place, but not by census block group or tract. Attendees felt that information about DACs in these areas would be helpful.

- Attendees were engaged with discussion about water sources in the region. Specifically, they expressed interest in the planned water sources for new homes in the region (i.e., whether these would rely on Delta supply or on groundwater).

- Diablo Water District (DWD) has a low-income assistance program. Representatives from the DWD were interested to know whether there are funds available to help with such a program. DWD would like to avoid needing to turn off water service when residents are unable to pay. Attendees expressed that, since housing costs are extremely high in the area (with some residents spending 80% of their income on housing), more flexibility and affordability is
needed for utilities. Census data may be helpful in further narrowing down areas with affordability issues. Assembly Bill 104 established a statewide income/rate assistance program that may be of interest to attendees. Additionally, the City of Oakland may be useful as a model for preventing water from being turned off. The group expressed interested in learning more about such strategies. Water conservation was noted as a possible way for DAC areas to both conserve water and contribute to affordability.

- The group discussed water supply issues in the Sandmound Slough/Hotchkiss Tract area, in particular the issues and costs related to including new areas in the Diablo Water District and Contra Costa Water District service areas. Residents are unsure about inclusion and/or rejecting inclusion due to costs (or perception of costs). Income surveys are needed in the Sandmound Slough/Hotchkiss Tract area to establish smaller communities as DACs, so that they may have access to funding that could offset inclusion costs and connection fees. Income surveys are needed at other locations too, such as in areas of Antioch. Income surveys are a priority of the region to identify other DAC areas.

- An attendee from Contra Costa Resource Conservation District (CCRCD) reported that the CCRCD has performed several listening sessions in Antioch to identify community needs. Most common responses were flooding, trash, homelessness, and water conservation. Capacity building is a priority for Antioch.

- The group identified that many assistance and grant programs exist (e.g., Community Development Block Grants, DWR Grants, IRWM grants, SWRCB programs), but could be improved if the programs were more compatible with one another. It is difficult to participate in all programs and understand their nuances in order to be able to obtain grant funding for projects and activities.

- A representative from a small water system on Bethel Island noted that they are looking toward consolidation with a larger system. Attendees suggested that a meeting could be held by one of the larger districts to provide more information about the water inclusion and annexation processes. This could be applicable to systems around the perimeter of Bethel Island and Hotchkiss Tract.

**Recommendations**

Based on the discussion that occurred at the meeting, the following recommendations have been identified:

- Continue to prioritize rate affordability and explore state programs that would help utilities avoid the need to turn of water service to residents who are unable to pay.

- In conversations with state agencies, IRWM region representatives and others can advocate for better access to information about funding programs. Urge state agencies to make their programs more compatible to reduce the burden of funding/financing applications for local agencies.

- Consider conducting income surveys to identify other DAC areas. DWR provides an income survey methodology. Prioritize this activity in the IRWM plan goals. Utilize available tools, such as DWR’s DAC mapping tool and census data, to fully identify DACs in the region. In particular, income surveys are needed in Antioch, various water systems on Bethel Island, and Sandmound Slough communities not currently served by Diablo Water District.
• Larger water suppliers, such as Contra Costa Water District and Diablo Water District, should consider inviting smaller water suppliers to learn more about the process for consolidating systems.

4.2.3 East Stanislaus

The East Stanislaus Regional Water Management Partnership (ESRWMP) Region-wide workshop was held on May 28, 2019 in Modesto. The workshop was led by SHE staff with support from representatives from the ESRWMP group. SHE provided an overview of the IRWM and DACI program, presented information about the Needs Assessment, and facilitated the community water needs discussion. Jim Alves, representative for the ESRWMP region, led the discussion about their group and provided information on the importance of DAC participation and how to get involved. SHE utilized this meeting to invite community members who reside within the ESRWMP boundaries to learn more about the ESRWMP region (specifically who are the member agencies, where/when does the group meet and how to get involved), and to discuss potential projects and upcoming funding opportunities under the IRWM program. All workshop materials (meeting agenda, PowerPoint and community survey) were made available in both English and Spanish. SHE staff also provided translation during the meeting.

A total of nine attendees were present at the workshop. Those in attendance at the meeting included residents from the communities of Empire and Cowan Tract, Monterey Park and representatives from the City of Modesto and Stanislaus County, as well as a Water Operator that works for various water systems serving DACs within the ESRWMP boundaries.

Outreach Methods

Drawing upon experience working with San Joaquin Valley DACs, SHE developed an individualized outreach plan specific to the DACs within the ESRWMP boundaries. Most DACs are located in rural locations, lack access to internet broadband services, and are often comprised of residents who speak a language other than English. For these reasons, SHE utilized several outreach methods and developed bilingual (English and Spanish) communication materials, including a meeting flyer, invitation emails and social media posts. Outreach methods included site visits in order to conduct door-to-door outreach, post flyers in key locations with heavy foot traffic, phone calls to community leaders asking them to share the information within their community, mailing and emailing flyers, utilizing social media and posting workshops on Eventbrite.

SHE conducted outreach to the DACs that were identified through the draft Needs Assessment. Door-to-door outreach was conducted in the following DAC communities: areas of Delhi, Ballico, Montpelier, areas of Hickman, and Cowan Tract. Outreach efforts invited and encouraged participation in the region-wide workshop. In larger communities with a higher number of homes, flyers were posted at key locations. This outreach method was utilized in the following communities: Delhi, Hickman, Waterford, Empire and Airport.

Emails were sent to interested groups and previous participants of SHE and Modesto workshops/events. Mailers were sent to contacts that had provided previous address information from SHE workshops/events, as well as water systems that were identified by Provost & Pritchard for the Needs Assessment. Phone calls were also made to previous participants who provided phone numbers at SHE or Modesto workshops/events. The DAC list developed as part of the Needs Assessment included contact information for the publicly regulated water and/or wastewater systems. Additional contact information for these DACs was derived from stakeholder lists and community contacts that SHE staff maintains. Additionally, with the support of the City of Modesto, SHE was able to extend their outreach to community contacts that had shown prior interest with the
City regarding water-related events/needs. Approximately 50 emails were sent out to interested parties and about 55 mailers were sent out to those contacts that had provided address information.

**Successes and Constraints**

SHE staff encountered several challenges related to encouraging residents to attend the workshop. These challenges included location of workshop, distance of travel and budget constraints. Due to the large, dense geographic region of the ESRWMP, the location of the workshop, Modesto, was chosen due to the centrality of the area. Although it was a central location, the location may have caused some travel constraints for communities located further out into the region such as Delhi, Ballico, Montpelier, Hickman, and Waterford. Additionally, due to the large size of some of the communities and limited budget to conduct door-to-door outreach in all communities, flyers had to be posted in key locations rather than conducting individualized outreach. SHE ensured that flyers were posted in areas of high concentration and/or areas of high interest.

Although challenges were experienced, SHE successfully engaged five different community residents at this workshop from Cowan Tract, Empire, Monterey Park, and representatives from the City of Modesto and Stanislaus County, as well as a Water Operator that works for various water systems serving DACs within the ESRWMP. SHE effectively and efficiently worked with the IRWM representative to host and conduct the community workshop at the City of Modesto building, secured support from other city staff who assisted with outreach efforts and shared their community contacts. Lastly, the community residents and other stakeholders who attended the workshop provided important information about their water-related needs, priorities and offered recommendations. Moreover, the meeting provided residents the opportunity to directly engage with their IRWM representative.

**Outcomes**

Overall, the meeting cultivated rich discussions among community residents, City and County staff in attendance. Although the majority of the attendees were from Cowan Tract, a private domestic well community, the discussions were diverse and community residents showed interest in helping each other further develop ideas on how to address community water needs.

- Based on the outcome of this meeting, the project team learned that community residents and other stakeholders are interested in continuing to obtain information about the IRWM and the DACI programs. Those in attendance inquired about additional opportunities to engage more formally in the DACI program, provided recommendations on how to continue to outreach to and engage DACs, and requested that meeting materials and information continue to be provided in both English and Spanish.

- Multiple areas in the East Stanislaus Region are in need of improved storm drainage systems, including curbs, gutters, and sidewalks, to prevent street flooding during rain events. The community of Empire is one specific location where these improvements are needed. Other neighborhoods in Stanislaus County and the City of Modesto are also in need of storm drain systems. The City of Modesto has rock wells in some areas; the low capacity of these rock wells makes surrounding areas prone to street flooding. Several maps depicting areas in need of these improvements are provided in Appendix B.

- Communities expressed overwhelming interest in obtaining assistance in order to identify, develop and submit funding requests. Special emphasis was placed on projects that address immediate/serious water needs or that provide regional benefits. Residents from the community of Empire shared information about their stormwater needs, past flooding impacts and desire to secure funding to improve stormwater management within their
community. County staff in attendance shared that, in previous years, the County had tried to address the stormwater needs of the community via a stormwater management project but that they were unable to because the community voted down the project. Community residents asked the County to reconsider the project. The County was asked to implement appropriate outreach, education and engagement strategies in order to ensure that the community is provided adequate information about the project benefits, costs and possible funding opportunities and is able to make a better, informed decision. The County was also encouraged to conduct a ‘with project’ and ‘without project’ conditions analysis in order to illustrate project benefits, project operations and maintenance costs, estimate and costs per household and identify impacts/costs to mitigate future and ongoing flooding.

- Community residents from the community of Cowan Tract shared information regarding recent water sampling that had been done by SHE through another technical assistance program and asked whether this information would be reflected in the Needs Assessment/shown on the appropriate maps. Residents reported that sampling results had indicated high levels of nitrates and uranium. It was also reported that an overwhelming number of the residents in Cowan Track prefer to keep their well rather than pursing construction of or connection to an existing water system. Some of the residents stressed the importance of allowing communities and/or homeowners the ability to opt out of certain projects, such as water quality testing of their private well. At least one of the residents expressed concerns over ongoing decline in groundwater levels and requested information about SGMA. Lastly, residents expressed interest in obtaining funding to install at least one fire hydrant within the community.

- As it relates to community participation within the ESRWMP region, some of the participants expressed the need to obtain additional information regarding the IRWM plan/how to join the group, and process to propose, rank and select projects. Participants were also interested in obtaining regular updates on IRWM activities and funding opportunities.

- Questions/recommendations on the Needs Assessment included the desire to include/show historical water challenges, trends and future risks/impacts, MCL violations for the various constituents of concern and water quality information for private domestic wells.

- Empire lacks and needs a storm drain system, curb, gutter, sidewalk and a storm drain system to collect it, to prevent street flooding during the rain events. See map entitled County Islands Area Lacking Storm Drain Systems (included in Appendix B) for detail.

- There are various Stanislaus County urban areas that are identified as a DAC or SDAC which lack and need a storm drain system, curb, gutter, sidewalk and a storm drain system to collect it, to prevent street flooding during the rain events.

- The City of Modesto needs an updated storm drain system in areas of rockwells to address street flooding, the low volume capacity of rockwells makes rockwell neighborhood areas in the City prone to street flooding. See Appendix B for a map of rockwells.

**Recommendations**

Based on the discussions of the meeting, the following recommendations are proposed:

- Continue hosting informational workshops in order to inform communities about IRWM, how they can participate, funding opportunities and deadlines, and/or to provide feedback/information to the region.
• Conduct workshops, meetings and events at multiple locations, rather than at a central location, in order to make the location accessible to communities. This can help optimize meeting attendance and allow DACs to effectively engage in the IRWM program.

• Ensure that workshop/meeting materials, along with any education information, continue to be made available in Spanish and other languages, as needed, to ensure inclusivity of community members.

• Consider revisiting projects that were previously denied by DACs, reevaluate engagement and outreach efforts utilized, and consider implementing new engagement strategies and analysis in order to ensure community members fully understand the benefits, costs, and impacts of not moving forward with the project.

• Identify ways to address water-related needs, priority projects proposed by community members, and work closely with them to ensure that these communities are effectively participating in IRWM, as well as benefiting from the DACI program funds.

• Improve Needs Assessment by including historical water challenges, trends and future risks/impacts, showing MCL violations for the various constituents of concern and including water quality information for private domestic wells.

• Identify all the communities within or partially within the 100-year flood plain on an aerial map and also on the 1997 aerial maps; these communities include Riverdale Park, West Modesto (Robertson Neighborhood), Bystrom Neighborhood, Airport Neighborhood and City of Modesto, and South Modesto. Also create a plan to find solutions (see example maps included in Appendix B).

• Identify areas in the water systems that need replacing such as old leaking steel main. A map is included in Appendix B, as an example of a map used by the City of Modesto to identify areas for rehabilitation and replacement of water system infrastructure.

• Once all the needs of a given community have been identified, specific maps should be created for each neighborhood and provided to the community to allow them to advocate for the projects.

• Provide links in the Needs Assessment Report to other efforts that have already identified Community Water Related Needs, including the following:
  o East Stanislaus Regional Water Management IRWM website: http://www.eaststanirwm.org/
  o Mid San Joaquin River Regional Flood Management Plan: http://www.midsjrfloodplan.org/
  o City of Modesto, Utilities Department, Reports and Studies (e.g., Wastewater and Water Master Plans): https://www.modestogov.com/620/Reports-Studies
  o Turlock Subbasin Groundwater Sustainability Agencies: https://turlockgroundwater.org/
• Identify all the urban areas within Stanislaus county that do not have sewer and are still on septic systems.

4.2.4 Eastern San Joaquin

The Eastern San Joaquin County Integrated Regional Water Management Group (ESJ IRWM) Region-wide workshop was held on September 10, 2019 in Stockton. The purpose of the workshop was to provide information about the IRWM and DACI programs, present preliminary findings of the DAC Needs Assessment, discuss community water needs, complete the DACI survey and identify community residents to participate in the SAC. In addition to these goals, SHE utilized this workshop to provide community residents who reside within the ESJ IRWM boundaries, the opportunity to learn more about the ESJ IRWM (specifically who are the member agencies, when/where does the group meet and how to get involved), discuss potential projects and upcoming funding opportunities under the IRWM program. The workshop was led by SHE staff with support from a representative from the ESJ IRWM region and EJCW staff. SHE was responsible for providing an overview of the IRWM and DACI program, provide information about the Needs Assessment, and facilitate the community water needs discussion. The representative from the ESJ IRWM region provided an overview about their IRWM region, their governance structure and engagement opportunities to DACs. EJCW assisted with outreach and other meeting logistics.

Two county staff from the San Joaquin County Public Works, one person from a non-governmental organization, five people from a community-based organization, two representatives from a community college, one person from the community of Stockton and one person from outside of the state were in attendance. Workshop materials were made available in both English and Spanish and SHE staff were available to provide Spanish translation during the workshop although ultimately none was needed.

Outreach Methods

SHE developed an individualized outreach plan to reach community members residing in DACs within the Eastern San Joaquin IRWM boundaries. Most DACs with the Eastern San Joaquin IRWM region are served by the County of San Joaquin. Therefore, the DAC list developed for the Needs Assessment included very little contact information for the DACs within the region. In order to address this limitation, SHE implemented several outreach methods and developed bilingual (English and Spanish) communication materials, including a meeting flyer. The primary outreach method of inviting residents to attend the meeting was via direct mailings, phone call and emails. Additional outreach efforts included conducting site visits to key community locations.

Site visits were conducted in the following DAC communities: Weston Ranch, Highway 4 community, Park and South Central Stockton. EJCW worked with local Community-based organizations to perform mailings and phone calls. Additionally, the project team encouraged the Eastern San Joaquin IRWM and San Joaquin County to assist in the outreach by sending out the flyer to their interested parties email list.

Successes and Constraints

SHE staff encountered challenges with engaging residents to attend the workshop. Some of these challenges included limited budget to conduct door-to-door outreach and potential travel constraints for DAC residents. Although the meeting took place in the evening to better accommodate a working schedule, the location of the meeting may have caused some travel constraints to community members located further out into the region.
Despite these challenges, SHE successfully engaged six different community representatives at the workshop from the Stockton and the Taft Community Center. County staff were pleased with the information provided and with the opportunity to engage with representatives from DACs.

SHE provided translation from English to Spanish and ensured all meeting materials were available in these languages. SHE staff also facilitated the community water needs discussion which allowed for meaningful discussions about community water needs, issues, and identification of projects and recommendations to improve community participation in IRWM activities.

Outcomes

Overall, the meeting cultivated rich discussions with the community members in attendance. The discussions held helped community members identify potential data issues, recommendations to improve the maps, community water-related issues, as well as begin to identify priorities for each of their communities. Some of the data issues, recommendations to improve maps, community needs and priorities that were discussed include:

- Need to verify DAC status for Lodi. The local Groundwater Sustainability Plans has Lodi listed as a DAC.
- The community of Victor is believed to be SDAC. Project team was asked to verify MHI. If not a SDAC, an MHI survey should be conducted.
- There was a request to verify the compliance status for the community of Thornton. It is believed that they are exceeding the MCL for manganese.
- Manteca is missing from the Public Water System map. Water provider is believed to be Lakewood Water Company. Additionally, residents expressed concerns over high water rates. Some reported paying up to $400 a month.
- Community members expressed concerns addressing private well communities regarding knowing the approximate number of wells in each community, if there's any known groundwater quality issues and if there are homes along State Route 3 that are on private wells.
- Several concerns were raised regarding impacts to county-owned levees and ongoing costs to improve/repair. These impacts may be due to activities by the homeless population. Others reported that contamination is occurring due to lack of proper sanitation services for the homeless population.

Recommendations

The following recommendations were provided by those that participated in the community water needs small groups discussions:

- Conduct a stormwater needs assessment – this can help with SGMA implementation efforts
- Consider providing the county funding to prepare a Stormwater Resources Plan
- Residents on private wells may not have the resources to sample their drinking water. They may also not know what to sample for. Establishing a Water Sampling program would help to obtain information on private domestic wells (tests for lead and common contaminates)
- Conduct more outreach efforts, e.g. door-to-door outreach emails and identify incentives to increase DAC participation in IRWM and DACIP efforts
Consider programs that may help address water and sanitation needs of the homeless population in Stockton.

There is interest from between the Victor County Service Area (CSA) and an Irrigation District in pursuing a groundwater banking project. Project development funding would be needed to pursue the project overall.

Identifying opportunities to recycle wastewater.

The County of San Joaquin may be willing to administer a countywide septic system grant/loan program, if able to obtain available funding from SWRCB.

4.2.5 Madera

The Madera Regional Water Management Group (RWMG) Region-wide workshop was held on June 3, 2019 in Madera. Similar to other region-wide workshops, SHE utilized this meeting to provide community members who reside within the Madera RWMG boundaries the opportunity to learn more about the Madera RWMG, (including who are the member agencies, when/where does the group meet and how to get involved), discuss potential projects and upcoming funding opportunities under the IRWM program. The workshop was led by SHE staff with support from representatives from the Madera RWMG. SHE provided an overview of the IRWM and DACI program, provided information about the Needs Assessment, and facilitated the community water needs discussion. Representatives from the Madera RWMG provided an overview about their IRWM region and encouraged DACs to attend future meetings. Lastly, SHE staff shared information about additional active DACI program funded projects that aim to improve DAC participation within the Madera RWMG. Specifically, SHE provided information about the Madera Regional Planning projects, which includes a DAC Capacity and Education Building project, Water Quality Sampling project, and a Water Meter Assessment project. All workshop materials (meeting agenda, PowerPoint and community survey) were made available in both English and Spanish. SHE staff also provided translation during the meeting.

A total of eleven attendees were present at the workshop. Five community members from the community of La Vina, Parksdale and Indian Lakes were in attendance. It is important to note that Indian Lakes is located outside of the SJRFA and are within the Mountain Counties Funding Area. The meeting was also attended by County staff working on IRWM and SGMA and two members of the Madera RWMG.

Outreach Methods

SHE developed an individualized outreach plan to reach community members residing in DACs within the Madera IRWM boundaries. Most DACs with the Madera IRWM region are served by the County of Madera. Therefore, the DAC list developed for the Needs Assessment included very little contact information for the DACs within the region. In order to address this limitation, SHE implemented several outreach methods and developed bilingual (English and Spanish) communication materials, including a meeting flyer, invitation emails and social media posts. The primary outreach method was door-to-door outreach. Additional outreach efforts included posting flyers in key locations, conducting phone calls to community leaders asking them to share the information within their community, mailing flyers, sending out emails, utilizing social media and posting workshops on Eventbrite.

Door-to-door outreach was conducted in the following DAC communities: Fairmead, areas of Parksdale, La Vina and Ripperdan. Community contacts for Parksdale were obtained from SHE staff that have relationships with community leaders. Calls were also made to active community members.
in the Parksdale area to contact and encourage participation from other residents, as well as community residents who had completed the DAC Participation Survey and those who had shown prior interest in water-related events/needs. The Madera RWMG and Madera County also assisted in the outreach by sending out the flyer to their interested parties email list.

Within the Madera Region, one tribe is present: the North Fork Rancheria. Their tribal lands fall within the Madera Region, with pockets in both the SJRFA and Mountain Counties Funding Area. The majority of these tribal lands fall in the Mountain Counties Funding Area; thus, the North Fork Rancheria was included in the outreach under the Mountain Counties Funding Area needs assessment.

Successes and Constraints

SHE staff encountered challenges with engaging residents to attend the workshop. These challenges included limited contact information for the DACs within the region, location of workshop, distance of travel and time constraints. Although the meeting took place in the evening to better accommodate a working schedule, the location of the meeting may have caused some travel constraints to community members located further out into the region.

Despite these challenges, SHE successfully engaged five different community representatives at this workshop from Parksdale, La Vina, and Indian Lakes communities. It was noted by both the County and Madera RWMG representatives that this has been the most DAC engagement in an IRWM-related meeting that they have experienced and were really excited about the possibility of creating long-term relationships. Additionally, community residents provided feedback regarding training topics that could be covered in future workshops or as part of Madera’s DAC Capacity and Education program.

SHE provided translation from English to Spanish and ensured all meeting materials were available in these languages. This allowed for meaningful discussions throughout the meeting about community water needs, issues, and ideas to assist communities.

Outcomes

Overall, the meeting cultivated rich discussions with the community members in attendance. The discussions held helped community members identify community water-related issues, as well as begin to identify priorities for each of their communities. Some of the community needs and priorities that were discussed include:

- Community members from La Vina identified water quality and stormwater needs but ultimately prioritized water quality. Other needs identified included the lack of sidewalks/safe walkways for children.
- Community members from Indian Lakes attended this meeting, despite being from outside the SJRFA, to learn more about the IRWM program and how the SJRFA was implementing the DACI program. They identified water supply and water quality issues related to having high levels of magnesium, as well as not having sufficient financial resources to address them.
- Community members from both La Vina and Indian Lakes identified addressing water quality and assistance in getting a new well as their top priority.
- Community members from both La Vina and Indian Lakes also mentioned that having safe, reliable water is vital for their communities and without projects that help address their needs, communities will continue to deteriorate.
During the discussion on water quality concerns, a conversation about SGMA also took place regarding how there is a need to have residents participate in the development of a mitigation policy in order to ensure communities continue having access to adequate and safe sources of drinking water.

Community members from Parksdale expressed interest in promoting water conservation via the installation of water meters and proper community education programs. Residents were also interested in the long-term sustainability and management of local groundwater resources.

Community members in attendance also provided recommendations on ways to engage DACs in IRWM activities. General recommendations included continuing to provide meeting materials in English and Spanish, conducting additional targeted outreach in order to properly educate, engage and facilitate meaningful discussions with community members regarding water-related projects that may benefit their community and/or the region.

Those in attendance also expressed concerns with the potential use of DACI funds on administration costs as opposed to the activities that provide direct benefits to communities and advance projects that will address the water-related needs.

Community residents provided feedback regarding training topics that could be covered in future workshops or as part of Madera’s DAC Capacity and Education program. Training topics mentioned at the workshop included community benefits and opportunities through IRWM, what is an IRWM plan and how to effectively participate in IRWM. Other topics included funding and project development and exploring multiple-benefit projects.

Recommendations

Based on the discussions of the meeting, the following recommendations are proposed:

- Build community capacity on IRWM and other water sustainability programs.
- Continue hosting informational workshops to inform communities about IRWM, how they can participate, funding opportunities and deadlines, and/or provide feedback/information to the region.
- Utilize a portion of remaining DACI program funds to provide technical assistance/support project identification, and development/preparation of funding requests.
- Ensure that workshop/meeting materials, along with any education information, continue to be provided in English and Spanish. Consider translating documents into other languages, as needed, to ensure inclusivity of community members.
- Take into consideration the community priorities/projects proposed by community members and work closely with them to ensure that these communities are participating in IRWM, as well as benefiting from the DACI program funds.

4.2.6 Merced

The Merced Integrated Regional Water Management Authority (MIRWMA) region-wide workshop was held on June 12, 2019 in Merced. The workshop was led by SHE staff with support from a representative from the MIRWMA region. SHE was responsible for providing an overview of the IRWM and DACI program, provide information about the Needs Assessment, and facilitate the community water needs discussion. The representative from the MIRWMA region provided an overview about their IRWM region, their governance structure, and engagement opportunities to
DACs. SHE utilized this workshop to provide community residents who reside within the MIRWMA boundaries the opportunity to learn more about the MIRWMA (specifically who are the member agencies, when/where does the group meet and how to get involved), and to discuss potential projects and upcoming funding opportunities under the IRWM program.

Two city staff from the City of Merced, one person from the Merced Irrigation District, and one person from a consulting agency were in attendance. Workshop materials were made available in both English and Spanish, and SHE staff were available to provide Spanish translation during the workshop although ultimately none was needed.

_outreach Methods_

SHE developed an individualized outreach plan specific to the DACs within the MIRWMA boundaries. Due to the distance, time limitations and size of some communities, door-to-door outreach was limited to key communities in the southern portion of the IRWM region. SHE incorporated several additional outreach methods into the plan and developed bilingual (English and Spanish) communication materials, including a meeting flyer, invitation emails and social media posts. Additional outreach efforts included posting flyers in key locations with heavy foot traffic, conducting phone calls to community leaders asking them to share the information within their community, mailing flyers, sending out emails, utilizing social media and posting workshops on Eventbrite.

Door-to-door outreach was conducted in the following DAC communities: Le Grand, Tuttle, Bear Creek, and El Nido. Due to the large number of homes, size of community and time limitations, flyers were posted at key locations in the following communities: Planada, and areas near the Merced Civic Center. Additionally, the Le Grand CSD and Planada CSD made the flyers available at their offices for community residents to view and take home. A community leader in Planada also supported the outreach by distributing flyers and encouraging resident participation.

_successes and Constraints_

SHE staff encountered challenges with engaging residents to attend the workshop. These challenges included location of workshop, distance of travel and time constraints. Although the meeting was set in the evening to better accommodate a working schedule, the location of the meeting may have caused some travel constraints to community members located further out into the region. Also, due to the workshop being set in early June, community participation may have also been impacted by the end-of-school activities, graduations, as well as summer vacations.

Although challenges were experienced, SHE was able to effectively and efficiently communicate with the City of Merced and Merced County to host the workshop. SHE was also able to establish meaningful discussions regarding community/city needs during the workshop with City staff and others who work with DACs in Merced.

_outcomes_

Overall, the meeting cultivated rich discussions among those that attended the workshop. Some of the discussions and questions included:

- Importance of properly educating, engaging and facilitating meaningful discussions with community members regarding water-related projects that may benefit their area or region.
- Participants wanted clarification on the single water sources data and questioned if schools with their own water systems were included in the assessment. Participants were especially interested in the needs of El Nido and the local school.
• Participants agreed and recommended that education and outreach on water be emphasized so that communities can better prepared for future droughts. They also emphasized that the Merced Region has recurring issues with household water leaks and recommended that Merced County, MID and City of Merced work together to address these issues and needs.

• Attendees also recommended implementing water metering program in order to help communities reduce water usage. It was noted that this may also help communities identify leaks sooner. City of Merced also mentioned water conservation projects that they have implemented which included among other things providing free shower heads.

• Attendees also recommended expanding the Needs Assessment to incorporate, specific water quality information on communities of private wells and upcoming new 2020 census data, and on identifying opportunities to develop and maintain an active database.

• Attendees also recommended implementing and encouraging recharge projects to incentivize regional benefits.

Recommendations

Based on the discussions of the meeting, the following recommendations are proposed:

• Encourage collaboration among different entities and agencies within the Merced IRWM boundaries to address recurring regional issues and needs.

• Continue hosting informational workshops to inform communities about IRWM, how they can participate, funding opportunities and deadlines, and/or provide feedback/information to the region.

• Hold workshops, meetings and events at locations where it easily accessible to communities. Hosting region-wide workshops can be a constraint to communities located further out of the region, so hosting various workshops throughout the region, specifically in DACs, would be ideal to commence effective engagement of DACs in the IRWM program.

• Consider implementing a water education and sustainability program similar to the program that is currently implemented by the City of Merced.

• Consider expanding the Needs Assessment to incorporate data from schools with their own water systems, specific water quality information on communities of private wells, and upcoming new 2020 census data, as well as identify opportunities to develop and maintain an active database.

4.2.7 Westside-San Joaquin

The Westside-San Joaquin (WSJ) IRWM Region-wide workshop was held on June 4, 2019 in Santa Nella. The workshop was led by SHE staff with support from the representative from the Westside-San Joaquin IRWM region. SHE was responsible for providing an overview of the IRWM and DACI program, providing information about the Needs Assessment, and facilitating the community water needs discussion. Representatives from the WSJ IRWM region provided an overview of their IRWM region and discussed current efforts to update their IRWM plan. SHE utilized this meeting to provide community residents who reside within the WSJ IRWM boundaries the opportunity to learn more about the WSJ IRWM region (specifically who are the member agencies, when/where does the group meet and how to get involved), discuss potential projects and upcoming funding opportunities under the IRWM program.
A total of five attendees were present at the workshop. One community member from the San Joaquin River Club community, one person from Fresno State, two people from the San Luis & Delta-Mendota Water Authority, and one person from a consulting group were in attendance.

Outreach Methods

SHE developed an individualized outreach plan specific to the DACs within the WSJ IRWM boundaries. The WSJ IRWM boundaries overlap two IRWM funding areas – the San Joaquin River and the Tulare-Kern funding areas. Outreach was focused on the DACs within the SJRFA. Moreover, due to the distance, size of some communities, and budget limitations, door-to-door outreach was limited to key communities. SHE incorporated several additional outreach methods into the plan and developed bilingual (English and Spanish) communication materials, including a meeting flyer, invitation emails and social media posts. Additional outreach efforts included posting flyers in key locations with heavy foot traffic, conducting phone calls to community leaders asking them to share the information within their community, mailing flyers, sending out emails, utilizing social media and posting workshops on Eventbrite.

Door-to-door outreach was conducted in the following DAC communities: Hamburg Farms, Pacheco, and areas of Dos Palos. Due to the large number of homes, size of community and time limitations, flyers were posted at key locations in the following communities: Gustine, Dos Palos Y, Dos Palos and South Dos Palos. The Westside-San Joaquin IRWM group also assisted in the outreach by sending out the flyer to their interested parties email list and posting flyers in Firebaugh and Mendota.

Successes and Constraints

SHE staff encountered challenges with engaging residents to attend the workshop. These challenges included location of workshop, distance of travel and time constraints. Although the meeting was held in the evening to better accommodate a working schedule, the location of the meeting may have caused some travel constraints to community members located outside the area. Also, because the workshop took place in early June, community participation may have also been impacted by the end-of-school activities, graduations, as well as summer vacations. Due to the WSJ IRWM Region’s unique boundaries (large distance from north to south), outreach was also very limited to the communities who were in close proximity to Santa Nella (location of workshop), which in turn limited the scope of communities being able to attend.

Outcomes

Overall, the meeting cultivated rich discussions among those in attendance. The discussions held, helped attendees think further about community water issues and ways to possibly address them. Some of the discussions and questions included:

- The San Joaquin River Club representative identified the following water-related needs: water quality (chromium 6), water supply, stormwater, dated infrastructure (pipes date back to 1936), ongoing water mains and line breaks, lack of adequate fire hydrants, and lack of adequate financial resources to properly operate a water system, respond to emergencies and replace old infrastructure.

- When asked to prioritize needs, the San Joaquin River Club representative identified a new distribution system, a rate analysis, and installation of meters as the top three priorities.

- The representative also expressed interest in community education on groundwater sustainability programs and technical, managerial and financial training for board members. He was also interested in identifying ways to reduce board turnover. Additional community outreach and engagement recommendations included conducting targeted outreach in DACs,
identifying key water leaders, and reducing participation challenges such as lack of transportation, resources of information to attend meetings.

- Due to limited resources under the DACI program, meeting attendees discussed possible ways to leverage additional technical assistance and training programs. For example, assisting communities in need of rate analysis, and board training to technical assistance programs funded by the SWRCB.

**Recommendations**

Based on the discussions of the meeting, the following recommendations are proposed:

- Leverage additional technical assistance programs in order to address multiple water-related needs, including lack of adequate technical, managerial and financial and board turnover.

- Build community capacity on other groundwater sustainability programs.

- Continue hosting informational workshops to inform communities about IRWM, how they can participate, funding opportunities and deadlines, and/or provide feedback/information to the region.

- Provide technical assistance to DACs to help them develop projects and apply for funding.

- Open up opportunities for DACs representatives to participate in IRWM/benefit from the DACI program funds.

- Workshops, meetings and events be held at locations where it easily accessible to communities. Hosting region-wide workshops can be of a constraint to communities located further out of the region, so hosting various workshops throughout the region, specifically in DACs, would be ideal to commence effective engagement of DACs in the IRWM program.

### 4.3 Community Survey Development and Findings

Supplemental data collection and outreach efforts were conducted to obtain additional information for the Needs Assessment. In order to better understand present DAC participation levels, knowledge of IRWM planning, possible participation barriers, and/or interest in IRWM-related activities, a Disadvantaged Community IRWM Participation Survey was developed and distributed funding area-wide. This survey also aimed to gather information about the community’s water needs. The survey was targeted at rural community residents, private domestic well owners, and DAC water system directors and staff. This information was also used to develop recommendations for the IRWM regions to consider when developing a proposal for phase two of the SJRFA DACIP.

#### 4.3.1 Survey Development

**Methods**

Self-Help Enterprises led the development of the Disadvantaged Community IRWM Participation Survey and the accompanying informational sheet. The sheet provided additional information about the purpose of the survey, the SJRFA DACIP, its importance, and why communities should be involved. Collectively, the survey and the informational sheet are referred to as the survey tools. SHE sought and received input from the Project Team: Woodard & Curran, Provost & Pritchard, and the Environmental Justice Coalition for Water. The SAC provided additional feedback for the SJRFA. The SAC consists of a diverse group of IRWM representatives and stakeholders within the SJRFA region. This group oversees the program and helps guide the development, implementation, and management of the DACIP process.
The final seventeen-question survey asked about DAC participation in IRWM activities, potential participation barriers, and sought recommendations on how to improve participation. The survey also requested information on current water needs. The water needs options listed in the survey ranged from improving water quality, supply, and distribution to incorporating water meters and storm water infrastructure. The survey tool was developed in English and Spanish. Using Google Forms, SHE created the surveys electronically to easily share the survey link online and via email. Please refer to Appendix C for the final survey tool.

Survey Distribution

SHE and EJCW used various survey distribution methods in order to reach DACs and improve the response rate. The bilingual (English and Spanish) surveys were distributed to previously identified DAC public water systems, as well as DAC water leaders known to, SHE and EJCW. Surveys were distributed via email, direct mail, and were made available at the April 10, 2019 funding area wide meeting and at all regional workshops. Woodard & Curran also shared the survey with the SAC and requested that IRWM regions distribute the survey to their DAC contacts. Moreover, organizations that work with DACs were notified of the release of the survey and asked to assist with the distribution of the survey tool.

4.3.2 Survey Results

A total of 50 survey responses were received. SHE staff were responsible for inputting the responses received into Google Forms, and took the lead on analyzing the response data.

Upon analysis and completion of findings, the survey responses were categorized into main topics: preferred language for correspondence, respondent classification, knowledge of IRWM, current IRWM participation, participation barriers and recommendations, interest in participating in IRWM activities, and community improvements and water needs. When analyzing the data, SHE removed three surveys from the analysis, as they were from communities that are not disadvantaged. The analysis below is based on the 47 surveys submitted from disadvantaged communities.

Survey Participation (preferred language for correspondence and how the participants are best described)

Of the 47 surveys, 19% of those that responded to the survey preferred correspondence in Spanish (Figure 11). This preference came from participants residing within the East Stanislaus IRWM region. This finding emphasizes the need to have materials and translation available in Spanish.
Overall, various DAC stakeholders completed the survey. The majority of the survey respondents identified as community residents with a response rate of 45%. Managers or Directors who worked for water districts, water companies, or water systems made up 38% and 9% were staff who worked for water districts, water companies or water systems, while 6% were private well owners (Figure 12). Unlike responses observed in other funding areas, the percentage of community residents who completed surveys were significantly higher, while the percentage of managers or directors that worked in water districts were significantly lower. Additionally, a small percentage of private well owners also participated in this survey. The Tuolumne River Trust contributed and assisted with the outreach and distribution of the survey which helped improve the response rate from community residents. This further emphasizes the importance of identifying and working with local community-based groups and community leaders who have an established relationship with the community, when conducting outreach and engagement activities.
Figure 12: Survey Results: Self-Description

Knowledge of IRWM (Scale of knowledge and in which IRWM region is the participant’s community located)

The survey asked participants to rate their knowledge of IRWM on a scale of 1 to 5, with 1 being "not knowledgeable” and 5 being “very knowledgeable.” Overwhelmingly, 55% of respondents had little to no knowledge of IRWM; (26%) had some knowledge, while 17% of respondents were knowledgeable or very knowledgeable (Figure 13).

By determining which stakeholders are knowledgeable and not knowledgeable in the IRWM program, the SAC can fund a more targeted outreach and engagement plan that focuses on the community residents, small water systems, and private domestic well owners that need information.

Figure 13: Survey Results: Knowledge of IRWM
Survey respondents were also asked to identify which IRWM region their community was located in. The survey listed each of the ten IRWM regions within the SJRFA and provided respondents the opportunity to select “other” or “do not know” as options. Forty-five of the 47 respondents answered the question with the majority selecting one of the listed IRWM regions, and one selecting “do not know.”

As shown in Figure 14, the majority of respondents identified themselves as being from the Tuolumne-Stanislaus IRWM Region. Using the DWR DAC Mapping Tool, the respondent addresses provided, and the community identified in the survey, SHE staff were able to verify whether the community was actually located in the IRWM region that the respondent had selected. After analyzing the data, the results show that not all respondents correctly knew which IRWM region their community was located in. For example, data submitted showed that 29% of respondents selected the Tuolumne-Stanislaus IRWM as the IRWM region that their community was located in, however, those communities are actually located in the East Stanislaus IRWM region. Respondents may have assumed that their community was located in the Tuolumne-Stanislaus IRWM region as most of these surveys were obtained through distribution efforts conducted by the Tuolumne River Trust or due to their close proximity to the Tuolumne River.

To further understand community participation in IRWM activities, the survey asked participants if they, or someone they know, participates in IRWM meetings. This survey question served the purpose of identifying who participates, what motivates them to participate, or why they do not participate. The survey also asked whether communities had applied and received IRWM funding and to identify factors that make it difficult for their community to participate in IRWM planning efforts. Given the goal of the DACI program, the survey also asked participants to identify possible
solutions to address participation challenges. Lastly, participants were asked to select any or all of the IRWM activities listed on the survey (e.g. attend an IRWM board or advisory committee meeting, serve on an advisory committee or work group, attend a workshop, host a meeting or participate in additional surveys or interviews) that are of interest.

Community Participation in IRWM Meetings
When asked if the respondent or a member of the community participates in IRWM meetings, 70% of respondents either do not participate or do not know of a community member that participates in IRWM meetings, while 30% of respondents participate or know of someone who participates (Figure 15). Most of those who responded who do not participate identify as community residents, water district staff or directors, and private well owners, with a majority of them being water district directors and community residents.

Correspondingly, their lack of participation in IRWM meetings may also be correlated to respondents having little to no knowledge of IRWM. The data show that those who rated their knowledge of IRWM as being knowledgeable or very knowledgeable had also indicated they are or have previously participated in IRWM meetings. Similarly, those that rated their knowledge of IRWM as not knowledgeable identified as community residents, private well owners and water districts, water companies, water system directors, and managers or staff; this group indicated that they had not previously participated in IRWM meetings. It is important to note that the low participation and little to no knowledge of IRWM could be correlated to a lack of participation, lack of information, limited resources, travel constraints and competing priorities. These factors are further explained in the participation barriers section.

Who Participates in IRWM Meetings
When asked to identify who participates in the IRWM meetings (e.g. self, community resident, board member/district company staff, and/or other), the majority of the respondents identified themselves
as the person who attends in IRWM meetings (Figure 16). When the respondent was not the one that attends IRWM meetings, they selected community residents, board members, or district/company staff member.

Those who identified themselves as a person that participates in IRWM meetings are water district directors or managers and community residents. This indicates that water district directors may attend the IRWM meetings as part of their job responsibilities and may be paid to do so. This begins to display the disparities in the levels of participation between those who are paid to attend versus those who do not have the same financial resources to pay their staff to attend.

**Figure 16: Survey Results: Who Participates in IRWM Meetings**

![Bar chart showing who participates in IRWM meetings]

**What Motivates Communities to Participate**

In the open-ended question that asked participants what motivates them to participate in meetings, most responded that their participation is tied to their job responsibility, desire to continue their education on water management, interest in working with other communities, building resiliency for their community, as well as identifying projects and securing funding for community improvement needs. These motivation factors should be leveraged when conducting outreach to stakeholders.

**Why Communities Do Not Participate**

To assist in further understanding lack of participation in the IRWM program, the survey asked participants why they have not participated in IRWM meetings. After analyzing the open-ended responses, the top three themes that arose were lack of information, lack of resources, and competing priorities. Of these, the top response was the lack of information. For example, several survey respondents said that they were not aware of the program or the meetings and that they would have participated if they had known. Another survey respondent expressed these constraints by stating that “...[s]mall agency staff must work hard to keep services for customers [and have] no time for extra meetings”.

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**Participation Challenges and Recommendations**

When asked to identify any factors that prevent or make it difficult for the community to participate in IRWM planning efforts, the main factors identified were similar to the responses provided when asked why they have not participated in IRWM meetings. The top themes that were identified include lack of information, limited resources, travel constraints, as well as competing priorities. One respondent specifically stated that “GM (General Managers) perform many functions, [while] larger agencies have employees to fill those positions.” Not only does this indicate that competing priorities challenge participation levels in small water systems, but further indicates that small water systems lack the resources to satisfy participation needed for other programs and meetings. These two factors appear to be inter-related for smaller water systems and DACs. Additionally, the majority of respondents were willing to participate in the program but were unaware of its existence and did not have information about the program. The survey found that in one instance there were no barriers to participate, and the respondent’s only issue was not knowing about the program.

In another instance, a survey respondent identified a factor for participation as “I don’t know what our options are for funding, [or] what there is to apply for.” This illustrates the lack of awareness of the IRWM program, but also the lack of access that DACs have to funding sources in general. Most survey respondents were interested in learning more about funding programs and being able to secure funding sources to help improve their community and provide long-term solutions.

Furthermore, due to the large geographical area of the IRWM regions, many communities find travel a constraint to attending IRWM meetings. One respondent stated that DACs in the Modesto/Ceres tend to have problems with transportation and information about the IRWM program. At least one other respondent noted that they were unable to participate in the program because they are part of a private water company.

**Community Participation in IRWM Funding**

Similar to understanding their participation status, the survey also asked whether their community had ever applied for funding. A total of 20% of respondents said that their community had applied for IRWM funding, while 80% either did not know or knew that their community had never applied to IRWM funding (Figure 17).

Of those that knew that their community had applied for IRWM funding, 33% of the communities had their projects funded, while 22% did not have their project funded (Figure 18). These data show that most DACs that apply for IRWM funding are not being funded. The other 45% did not know if their community had the project funded.
The survey also included an open-ended question asking participants to specify why funding had not been awarded. Most of the respondents stated that they did not know why they were not awarded funding, were unaware of the funding opportunities, or otherwise had pending funding requests on an IRWM project list. Most survey respondents were interested in learning more about funding programs and being able to secure funding sources to help improve their community and provide long-term solutions.

**Interest in Participation**

Although DAC participation in the IRWM program is limited, the survey results found that there is high interest in participating in IRWM. Many participants showed interest in participating in various...
IRWM activities with the top three interests being: attending a workshop to learn more about the IRWM program, attend an IRWM meeting, and participating in additional, in-depth surveys (Figure 19).

*Figure 19: Survey Results: Interest in Participation*

Furthermore, participants provided recommendations to help support and improve community participation in IRWM planning efforts. Comprehensively, some of the common recommendations included conducting more outreach and engagement specifically on the topics of planning for the future, additional funding sources through IRWM, and importance of participation. The recommendations also included the need to secure resources to help community residents and district staff participate in IRWM activities; establish and maintain a contact database; providing translated materials (in, at a minimum Spanish, while also considering other languages as needed); and providing technical assistance.

As one survey respondent stated, community meetings in DACs are essential as there is not enough information or knowledge on the IRWM group or program – “the water needs of the community are important and their participation in this process”. Community participation in this program is vital and was further supported by a City of Modesto representative that attended the April 10, 2019 funding area workshop and stated that they would have like to see more outreach being conducted and a better turnout from DACs.

*Community Improvements and Needs*

The survey not only helped provide an understanding of communities’ knowledge and involvement in the IRWM program, but also helped identify community improvements needs. Looking at Figure 20, a variety of community improvements needs were identified; however, the most common needs were water quality, affordability/pricing (water, wastewater, sewer, and stormwater), sewer collection and water distribution.
Additionally, in an open-ended question asking participants to further discuss their community needs, most participants also identified their water and sewer infrastructure conditions as old and deteriorating, having compliance issues, as well as having further water quality issues with constituents of concern such as chromium 6. The last two questions of the survey asked respondents to identify people or organizations that they believe the project team should be in touch with and times where they would be available for any follow up that may be needed. Some of the respondents provided contact information for key community leaders, which shows that there is an opportunity to engage with other DAC residents.

The survey findings, as well as feedback provided during the funding area-wide and regional community workshops, were utilized by the project team to develop recommendations on how these needs could be addressed in Phase 2 of the DACI program. These recommendations are discussed in further detail below.
Section 5. Recommendations and Next Steps

The following recommendations are presented to the Stakeholder Advisory Committee as activities to consider implementing as part of phase two of the DACI program.

Needs Assessment

The current Needs Assessment was focused on drinking water and wastewater needs. Many participants mentioned the need to conduct a more comprehensive Needs Assessment for the funding area.

- Gather and incorporate data for other types of water systems (e.g., school water systems)
- Develop a survey tool or tools to gather additional data sets. Additional data sets may include:
  - Storm Water Facilities
  - Water Rates/Sewer Rates
  - Water System Operations Needs/Professional Services Needs
  - Private Well Depth and Water Quality
  - Systems with Metered Water Services
- Collect information on communities relying on individual septic systems
- Develop community profiles that show the community water-related needs. Community representatives can use these profiles in order to advocate for future funding allocations and community improvement projects

Water Sampling Program for Households Relying on Private Domestic Wells

Given the number of households/communities relying on private domestic wells and the lack of water quality information available for these homes, participants expressed interest in establishing a free water sampling program for low-income households. The program should include water sampling for common constituents in the area, information on potential health impacts and information regarding potential interim and long-term solutions.

DAC Outreach and Education Program

Due to the overwhelming number of survey responses that showed interest in participating in IRWM activities but were unaware of the program and meetings, consider establishing a DAC Outreach and Education Program. The DAC Outreach and Education Program should include the following:

- Direct and targeted outreach to DACs. For example, community meetings, workshops and other training opportunities. Topics of interest include:
  - What is IRWM and why it is important to participate
  - Understanding IRWM plans
  - Community Water Needs and Project Identification
  - Funding Opportunities through IRWM and other Funding Sources
- Establish and maintain a contact database of public water systems, key community leaders and local community organizations
- Develop educational materials in multiple languages

Technical Assistance and Funding for Project Development Activities

It is important to provide DACs the technical assistance they need in order to seek appropriate funding sources and implement community water solutions. Potential technical assistance services include but are not limited to:

- Project identification and preliminary project development
• Fund project development activities (e.g. CEQA, preliminary design, feasibility studies, water meters assessments)
• Preparing project information forms/assisting DACs to submit projects to their IRWM region
• Leverage other technical assistance programs. For example, assist DACs obtain technical assistance offered by the State Water Resources Control Board in order to conduct income surveys, water rate assessments, leak detections and board training

Continued Funding Area-Wide DACI Program Coordination

The intent of the DACI Program is to ensure the involvement of DACs in IRWM planning efforts. One of the key objectives of the Program is for the funding area to work collaboratively to involve DACs, community-based organizations, and stakeholders in IRWM planning efforts to ensure balanced access and opportunity for participation in the IRWM planning process. To further the objectives of this Program, the SAC should continue to hold regular meetings. In future coordination efforts, the SAC should consider the following recommendations:

- **Appoint DAC Representatives to SAC:** Consider appointing community leaders who have expressed interest in participating in IRWM and the DACI program to the SAC.

- **Encourage DAC and IRWM Group Coordination:** Discuss regional issues and barriers identified through the DAC Needs Assessment and through the DAC Outreach and Education Program (if implemented). Consider potential ways to bridge those barriers. Encourage more participation by DACs, and foster IRWM group understanding of DAC needs. Encourage utilities, water districts, and municipal agencies to incorporate these findings in their outreach plans and to support DAC project development and implementation.

- **Fund DAC Participation:** Allocate funds to assist DAC representatives to attending meetings. As previously mentioned, many DACs encounter economic and financial constraints and find it difficult to identify individuals that are willing to volunteer their time or pay for travel expenses out of pocket in order to attend meetings that are held many miles away. Unlike local large-scale government agencies or consulting firms, many communities and small water systems cannot afford to close down the office, pay their staff and/or pay for travel expenses in order for them to attend meetings. Ensuring that there are stipends available for community members to attend meetings/participate in IRWM activities is essential to their involvement in the IRWM program.

- **Make Meetings Accessible to DACs:** Consider hosting more localized IRWM meetings. Due to the vast geographic extent of the IRWM regions within the SJRFA, the location of the meetings can cause travel constraints to communities that are further out from the localized areas. Some IRWM regions host rotational meetings around their region to ensure that various communities and stakeholders are able to attend meetings and remain informed.

- **Eliminate Language Barriers:** Ensure the availability of translated materials and translation services. To minimize language barriers, the availability of translated materials and providing interpreting services is essential.
Section 6. References


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