AVSWCA
Antelope Valley State Water Contractors Association
www.avswca.org

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Commissioner

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MATTHEW R. KNUDSON
General Manager
TOM BARNES
Controller
DAWN DEANS
Executive Assistant

January 17, 2012

Agenda for the Special Meeting of the Commissioners of the Antelope Valley State Water Contractors Association to be held at the Palmdale Water District's office at 2029 East Avenue Q, Palmdale

Thursday, January 19, 2012

6:30 p.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x103 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the Palmdale Water District's office located at 2029 E. Ave. Q, Palmdale. Please call Dawn Deans at 661-947-4111 x103 for public review of materials.

PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted and offenders will be requested to leave the meeting.

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Pledge of Allegiance.
2) Roll call.
3) Public comments for items not on the agenda.
4) Approval of minutes of regular meeting held December 8, 2011.
5) Payment of bills.

6) Consideration and possible action on election of officers.

7) Consideration and possible action on sponsorship of Linda Godin to continue on Association of California Water Agencies (ACWA) Region 8 Board.

8) Consideration and possible action on regional control of water from the State Water Project. (General Manager Knudson)

9) Consideration and possible action on agency interest in funding a feasibility study for development of a joint recharge/water banking project on the east side of the Antelope Valley. (General Manager Knudson)

10) Consideration and possible action on proposals received for update of 2007 Integrated Regional Water Management Plan (IRWMP). (General Manager Knudson/IRWMP A-Team)

11) Consideration and possible action on the AVSWCA website. (Controller Barnes)

12) Report of General Manager.

    a) Status report on separate bank account for grant funds.

13) Report of Controller.

14) Reports of Commissioners.

15) Report of Attorney.

16) Commission members' requests for future agenda items.

17) Consideration and possible action on scheduling the next Association meeting.

18) Adjournment.

AGENDA ITEM NO. 7

LINDA J. GODIN
4305 Casimo Ct
Palmdale, CA 93552
(661) 810-2047

January 16, 2012

Board of Commissioners
Antelope Valley State Water Contractors Association
2029 East Avenue Q
Palmdale, CA 93552

Re: **ACWA Region 8 Board**

Dear Commissioners:

Late last year, I was honored to be re-elected to the Region 8 Board for the Association of California Water Agencies (ACWA), to serve another two-year term, through December 2013. ACWA's Region 8 consists of the ACWA member agencies located in Los Angeles and Ventura Counties.

In light of the outcome of the recent directors' election at the Palmdale Water District (i.e., the loss of my seat as a District director), ACWA is now requiring separate action by a Region 8 member agency to sponsor me so I can continue to fulfill my term. Tonight, I am respectfully requesting the Board of the Antelope Valley State Water Contractors Association (AVSWCA) to take that action.

In making that request, I want to make the following two things very clear: (1) I will not seek compensation from the AVSWCA in connection with service on the Region 8 Board; and (2) In my capacity as a Region 8 Board member, I will not be acting as a specific representative of the AVSWCA or any of the three member agencies. I will instead be acting for the good of Region 8's member agencies. By way of background, the Board should be aware that ACWA is not a "region-driven" organization, in that its decision-making is driven by its operating committees and Board of Directors, rather than by the various region boards.

In closing, my desire to continue to serve on the Region 8 Board arises from my desire to continue to be of service to our region's water agencies. I greatly appreciate your thoughtful consideration of this request and hope that I continue to be of service in Region 8.

Sincerely,

Linda J. Godin

AGENDA ITEM NO. 10

ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION

COMMISSION MEMORANDUM

DATE: January 17, 2012 **January 19, 2012**

TO: AVSWCA Commissioners **Commission Meeting**

FROM: Matthew Knudson, General Manager

RE: ***AGENDA ITEM NO. 10 – CONSIDERATION AND POSSIBLE ACTION ON PROPOSALS RECEIVED FOR UPDATE OF 2007 INTEGRATED REGIONAL WATER MANAGEMENT PLAM (IRWMP)***

Recommendation:

Association staff and the Advisory Team recommend the Antelope Valley State Water Contractors Association (AVSWCA) award a contract to RMC Water and Environment (RMC) in the not-to-exceed amount of $466,500.00 for the update of the 2007 Integrated Regional Water Management Plan (IRWMP).

Background:

As you are aware, the Antelope Valley Region was recently awarded a $472,919.00 grant from the State of California, Department of Water Resources (DWR) to update and improve the 2007 Antelope Valley IRWMP. The AVSWCA executed said agreement in December, 2011. The matching funds for this grant will come from the in-kind services provided by the staff of the LA County Sanitation Districts and Waterworks District No. 40 as they prepare the Salt and Nutrient Management Plan for the Antelope Valley which will be an appendix to the updated IRWMP.

The AVSWCA circulated a request for proposals to various consulting firms to assist the AVSWCA in meeting the requirements set forth in the DWR grant agreement. The Advisory Team to the Antelope Valley Regional Water Management Group (RWMG) reviewed 3 proposals, submitted by Kennedy Jenks, RMC and Dudek. After careful review, AVSWCA staff and the Advisory Team unanimously recommends the AVSWCA award the contract (on behalf of the RWMG) to update the IRWMP to RMC.

PROFESSIONAL SERVICES AGREEMENT

between

ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION

and

RMC Water and Environment

for the

Antelope Valley Integrated Regional Water Management Plan 2007 Update

1. IDENTIFICATION

This PROFESSIONAL SERVICES AGREEMENT, hereinafter referred to as "Agreement," is made and entered into this 19th day of January, 2012, by and between Antelope Valley State Water Contractors Association, a California Joint Powers Agency, hereinafter referred to as "Association," and RMC Water and Environment, a California Subchapter S Corporation, hereinafter referred to as "Consultant."

2. RECITALS

2.1 Association requires professional engineering and environmental planning services.

2.2 Consultant has demonstrated expertise in various aspects of engineering and environmental planning and is qualified to provide the professional services required by Association.

2.3 Association and Consultant desire to enter into a contract for the provision of professional services for the update of the 2007 Antelope Valley Integrated Regional Water Management Plan as delineated in the Scope of Work attached hereto as Exhibit A, subject to the terms and conditions of this Agreement.

3. AGREEMENT

NOW THEREFORE, in consideration of the promises and covenants hereinafter contained, it is mutually agreed as follows:

3.1 Association hereby retains Consultant to perform the professional services described in Exhibit A. Consultant agrees to perform such services in a timely and professional manner and with due diligence.

3.2 The Project Manager for Consultant shall be Brian Dietrick, who shall manage and direct the technical effort of Consultant and be the Consultant's liaison with the Association.

3.3 Consultant, at its sole cost, shall procure and maintain at all times during this Agreement: (a) statutory Workers' Compensation Insurance coverage together with employer's liability coverage of $1 Million, (b) General Liability Insurance (insuring against bodily injury and property damage) with a minimum coverage of $1 Million for each occurrence and a $2 Million aggregate, and naming the Association as an additional insured, (c) Automobile Liability Insurance with a minimum coverage of $1 Million per accident for bodily injury and property damage, and (d) Professional Liability Insurance with a minimum coverage of $1 Million per claim and annual aggregate.

The policy or policies of insurance so provided shall contain a contractual liability endorsement covering the liability assumed by the Consultant by the terms of this Agreement. The above-referenced insurance policy (or policies) shall be furnished at the Consultant's expense, in a form and with insurance companies authorized to do business and have an agent for service of process in California and have an "A-" policyholder's rating and a financial rating of at least Class VII in accordance with the most recent Best's Insurance Guide, or as otherwise approved by the Association. If Best's is no longer published, comparable ratings must be provided from a service acceptable to Association. Such insurance policies shall have provisions providing that insurance furnished thereunder shall be considered primary as to Consultant's services with respect to any policies of insurance maintained by Association. Said policy(ies) shall also contain provisions requiring that the coverage cannot be reduced or canceled without giving Association thirty (30) days prior written notice.

Before performing any work, Consultant shall furnish certificates of insurance evidencing the foregoing insurance coverage.

3.4 Consultant shall indemnify and hold harmless the Association, its elected Board, appointed officers, agents, and employees from and against any and all claims, demands, costs, expenses, losses, or liabilities in law or in equity, including, but not limited to injury to or death of any person, and damages to or destruction of property of any person, arising out of:

a. The wrongful misconduct or negligent acts, errors or omissions of Consultant, so long as such claims, demands, costs, expenses, losses or liabilities do not result from the sole negligence or willful misconduct of Association or any of its directors, officers, employees, agents, or volunteers, provided that if such claims, demands, costs, expenses, losses or liabilities arise from the negligence of the Association or any of its directors, officers, employees, agents or volunteers (other than its or their sole negligence), then Consultant's obligation hereunder shall be allocated in accordance with comparative negligence principles under California law;

b. The violation of governmental laws or regulations, compliance with which is the responsibility of the Consultant.

Consultant shall pay and satisfy any judgment, award, or decree that may be rendered against Association or any of its directors, officers, employees, agents, or volunteers in any such suit, action, or other legal proceeding.

Consultant shall reimburse Association or any of its directors, officers, employees, agents, or volunteers for any and all legal expenses and costs incurred by each of them in connection therewith.

Consultant's obligation to indemnify shall not be limited to insurance proceeds, if any, received by Association or any of its directors, officers, employees, agents, or volunteers.

3.5 Association shall have the right to terminate this Agreement at any time upon five (5) days written notice to Consultant. In the event of such termination, Association shall compensate Consultant through the notice date for services actually performed hereunder in accordance with the rates set forth in Exhibit B, but in no event shall Association be obligated to pay more than the maximum compensation set forth in Exhibit B.

3.6 Association shall pay Consultant the compensation in the amount, time, and manner set forth on the attached Exhibit B.

3.7 This Agreement shall not be assigned by Consultant without the written consent of Association.

3.8 Consultant shall procure, at its expense, all permits required by governmental authorities and shall comply with all applicable local, state and federal regulations and statutes including Cal-OSHA requirements.

3.9 Consultant shall comply with Labor Code Section 1775. In accordance with said Section 1775, the Consultant shall forfeit as a penalty to the Association, a penalty in such amount as the Labor Commissioner shall determine for each calendar day or portion thereof for each worker paid less than the stipulated prevailing rates for such work or craft in which such worker is employed for any work done under this Agreement by them or by any sub-consultant under them in violation of the provisions of the Labor Code and, in particular, Labor Code Sections 1770 to 1780, inclusive. In addition to said penalty and pursuant to said Section 1775, the difference between such stipulated prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Consultant.

3.10 Consultant shall not discriminate against any employee or applicant for employment because of race, sex (including pregnancy, childbirth or related medical condition), creed, national origin, color, disability as defined by law, disabled veteran status, Vietnam veteran status, religion, age, medical condition, marital status, ancestry, or sexual orientation.

3.11 Association will make available to Consultant such materials from its files as may be required by Consultant to perform these services. Such materials shall remain the property of the Association while in Consultant's possession. Upon termination of the Agreement or completion of work under the Agreement, Consultant shall turn over to the Association any Association property or materials in its possession and any calculations, notes, reports, electronic files or other materials prepared by Consultant in the performance of these services.

Association may utilize any material prepared or work performed by Consultant in any manner, which Association deems proper without additional compensation to Consultant. Consultant shall have no responsibility or liability for any revisions, changes or corrections made by Association or any use or reuse pursuant to this paragraph unless Consultant accepts such responsibility in writing.

3.12 Consultant shall not make public information releases or otherwise publish any information obtained or produced by it as a result of, or in connection with, the performance of services under the Agreement without prior written consent of the Association.

3.13 Consultant shall not publish or use any advertising, sales promotion or publicity in matters relating to services, equipment, products, reports, and material furnished by Consultant in which Association's name is used or its identity is implied without prior written approval by the Association.

3.14 In the event any action or proceeding is brought by either party to enforce any term or provision of this Agreement, the prevailing party shall recover its reasonable attorneys' fees and costs.

3.15 Written notices shall be deemed to have been given when mailed by the United States mail, postage prepaid, addressed to the parties to this Agreement.

3.16 At all times during the term of this Agreement, Consultant shall be deemed to be an independent contractor and not an employee of Association.

3.17 This Agreement contains the entire agreement between the parties hereto and supersedes any prior or concurrent written or oral agreement between said parties concerning the subject matter contained herein.

3.18 The validity, interpretation, and performance of this Agreement shall be controlled by and construed under the laws of the State of California. The parties hereto do hereby consent to the jurisdiction of the California courts in the event any dispute arises in conjunction herewith.

3.19 If any provision of this Agreement, or the application thereof under certain circumstances, is held invalid, the remainder of this Agreement, or the application of such provision under other circumstances, shall not be affected thereby and shall remain valid and enforceable.

3.20 The signatories to this Agreement represent that they have the authority to execute this Agreement.

3.21 This Agreement has been prepared jointly by the parties. Any uncertainty or ambiguity shall not be construed for or against any party based on attribution of drafting to any party.

The parties hereto have caused this Agreement to be duly executed by its authorized officers.

ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION	**RMC**
By:_____	**By:**_____
Its:_____	**Its:**_____
Date:_____	**Date:**_____

Exhibit A

Scope of Work

Task 1: Ongoing Outreach

The ongoing outreach process is critical to continued updates and implementation of the Antelope Valley IRWM Plan. Keeping the AVIRWM Plan Stakeholder Group, Disadvantaged Communities, and general public involved in the process ensures that the AVIRWM Plan Update will be successful.

The current outreach process consists of posting agendas, summaries, handouts, and presentations on the Antelope Valley Water Plan website (www.avwaterplan.org), the development of the Public Outreach Subcommittee, outreach meetings located within DAC areas and having booths at community events.

The scope of work for this task was designed to maintain the current process during the contract timeframe.

Task 1.1: Advisory Team Meetings

The objective of this task is to continue the support of the A-Team, including preparation for, facilitation of, and participation in Advisory Team meetings. By continuing the support of the A-Team, information regarding the IRWM Plan and updates to the plan will continue to be distributed to the AVIRWM Plan Stakeholder Group and any other interested parties. To fulfill its responsibilities, the A-Team is expected to meet on a monthly basis throughout the duration of the IRWM Plan Update (24 meetings). RMC will assist with facilitating these meetings, presenting the findings of technical evaluations (see Task 2) to A-Team members, and providing input and direction to help with decision-making as needed, including, but not limited to:

- Handling the dissemination of information to all parties within the larger Stakeholder Group
- Maintaining the Antelope Valley Water Plan website
- Formulating meeting and agendas and leading/conducting meetings
- Making recommendations to the Stakeholder Group for hiring and managing consultants as necessary
- Managing operating funds as provided in an approved budget
- Providing facilitation for implementation process
- Coordinating with a designated legal entity to execute contracts and financial transactions
- Initiating with Stakeholder Group actions to identify, select and apply for appropriate funding opportunities

Deliverables:

- Draft and final agendas, materials and handouts, and meeting notes.

Task 1.2: AVIRWM Plan Stakeholder Group Meetings

The objective of this task is to continue the support of the AVIRWM Plan Stakeholder Group Meetings, including preparing for, facilitating, and participating in AVIRWM Plan Stakeholder Group meetings. The continued support of the AVIRWM Plan Stakeholder Group meetings will ensure that the general public and all entities will be informed about projects and grant application updates, as well as funding opportunities and general items of interest. Meetings are assumed to be held bi-monthly (for a total of 12 meetings).

At the stakeholder group meetings, RMC will facilitate discussion of major items of interest, review draft plan chapters, and provide input on the agenda for upcoming stakeholder meetings. LACWWD40 will be responsible

for announcing meetings via e-mail and making materials developed for use in stakeholder meetings available on the project website.

As necessary, RMC will participate in and facilitate additional discussions through the committees that have been formed to further examine different aspects of improvements. These committees may include one or more of the following:

- Technical Advisory Committee (TAC)
- Salt/ Nutrient Management Plan Committee
- Conservation Committee (Antelope Valley Water Conservation Coalition)
- Public Outreach Committee; and
- Water Supply/Urban Water Management Plan Committee
- Flood Management Committee (proposed)

Deliverables:

- Draft and final agendas, materials and handouts, and meeting notes for stakeholder group meeting and committee meetings. This information will be posted and made available to all via the www.avwaterplan.org website. It will also be included as an appendix to the updated IRWM and the activities and results will be summarized in Section 1 of the IRWM Plan.

Task 1.3: Continued Outreach to DACs

The objective of this task is to continue the ongoing outreach programs to DACs, communities that nearly fit the DAC profile and underrepresented communities. The continued outreach to these communities ensures that the communities will be aware of the IRWM Plan Update. By making the communities aware of the plan updates, they are more likely to provide valuable input into the decision process which results in the implementation of a fair and balanced plan. To meet this objective, RMC will help facilitate up to 6 meetings.

The continued outreach will focus on the following communities which are either DAC or lower income communities that do not fit the DAC profile due to slightly higher income levels:

- DAC:
  - Lake Los Angeles, Unincorporated Los Angeles County
  - Mojave, Unincorporated Kern County
  - Portions of the City of Lancaster
  - Portions of the City of Palmdale (Desert View Highlands)
- Lower Income Community:
  - Roosevelt, Unincorporated Los Angeles County
  - Littlerock, Unincorporated Los Angeles County

In addition to DACs, outreach programs will continue in areas within the Antelope Valley Region where underrepresented communities are living within disadvantaged communities. These communities are composed of minority communities within DACs. The two areas within the Antelope Valley Region that can be characterized as underrepresented are located within the Cities of Lancaster and Palmdale.

Existing outreach programs, designed for the original drafting of the IRWM Plan, will be continued. These include outreach meetings held by the Public Outreach Committee in the disadvantaged communities; outreach booths at community-wide events such as the annual Antelope Valley Fair and Alfalfa Festival; and publication of all meeting materials, presentations, technical resources, AVIRWM Plan goals and objectives and proposed project ideas on the website. In addition, the Public Outreach Committee will consult with other nearby agencies that managed successful DAC outreach campaigns.

RMC assumes that the Public Outreach Committee will be responsible for continuing these existing programs.

Deliverables:

- Draft and final agendas, materials and handouts, and meeting notes for Public Outreach Committee Meetings. These will be included as an appendix to the IRWM Plan. A summary of the activities and results will be incorporated into Section 1 of the IRWM Plan.
- Notices and newsletters to communicate IRWM program activities.

Task 2: Technical Evaluations

Task 2.1: DAC Water Supply, Quality and Flooding Evaluation

The objective of this task is to review information about water supply, water quality and flooding issues in DAC areas, to revisit/expand on DAC needs with respect to these three items, and develop new management strategies and/or monitoring plans for the DAC.

Subtask 2.1.1: Coordination Meetings

With the efforts of the Public Outreach Subcommittee and the DAC Outreach Programs, RMC will facilitate discussion of the issues related to water supply, water quality and flooding with the DACs. Meeting participants will discuss the collected material, devise monitoring studies for the DACs, and obtain input from members or representatives of the DACs. Personal interviews may also be conducted with community representatives in order to understand needs that may not be adequately addressed in existing plans. These meetings are meant to be supplemental to the meetings conducted under Task 1.3 and more focused on further characterizing DAC issues.

Deliverables:

- Draft and final agendas, materials and handouts, and meeting notes

RMC will obtain relevant data to water quality, water supply and flooding for the DAC areas.

Subtask 2.1.2: Compile and Review Water Quality and Supply and Flooding Data for DACs

RMC will obtain relevant data to water quality, water supply and flooding for the DAC areas from member agencies and stakeholders, including those listed under Task 1.3. The data will be analyzed to determine if monitoring studies should be implemented, when future projects will be required, and what the DAC areas need.

Deliverables:

- Data requests
- Summary memo with maps, figures, and tables summarizing data
- Presentation for AVRWMG agencies regarding DAC water quality issues

Subtask 2.1.3: Develop Water Quality and Supply and Flooding Monitoring Plan for DACs

Based on the data collected, RMC will develop monitoring plans to fill in data gaps and provide ongoing assessment of the water quality and supply and flooding issues for the DAC areas. Areas with the most urgent issues will be given priority for the monitoring plans.

Deliverables:

- Draft DAC Monitoring Plan
- Final DAC Monitoring Plan

Task 2.2: Salt/Nutrient Management Plan (SNMP)

The objective of this task is to develop this regional Salt/Nutrient Management Plan (SNMP) to manage salts and nutrients (and possibly other constituents of concern) from all sources within the basin to maintain water quality objectives and support beneficial uses. The data collected from the development of the SNMP, the findings it documents, and recommendation it will provide will have significant implications for water supply, recycled water, sanitation, and other water quality projects in the IRWM Plan. In addition, all the stakeholders involved in developing the SNMP are also active participants in the IRWM stakeholder forum. As such, the SNMP is considered an integral and necessary part of the IRWM Plan and thus is included in this work plan. The SNMP will ultimately be added to the IRWM Plan as an appendix and the necessary sections of the IRWM Plan will be updated as applicable.

The bulk of the work to be performed in developing the SNMP will be done by staff from Los Angeles County Waterworks Division (LACWW) and Los Angeles County Sanitation Districts as these parties are two of the most affected parties in the Antelope Valley. Proposed RMC support will be provided under Subtask 2.2.5 (Data Analysis) as follows. Any incorporation of SNMP into the IRWM Plan will be performed under Task 3 (IRWM Plan Update).

Subtask 2.2.4: Data Analysis

A regional analysis of available groundwater quality databases will be conducted to determine whether sufficient data and ongoing monitoring is available characterize the salt/nutrient loadings and concentrations in each sub-basin. If necessary, the existing Antelope Valley Groundwater Flow Model developed by the United States Geological Survey groundwater model will be used to analyze the data.

Deliverables:

- Brief memorandum summarizing data analysis outcomes

Task 2.3: Integrated Flood Management Plan

The objective of this task is to develop an Integrated Flood Management Plan that prioritizes opportunities to capture and utilize stormwater for groundwater recharge rather than simply mitigating flooding impacts. Due to the relatively underdeveloped status of the Antelope Valley, the Integrated Flood Management Plan (FMP) will be able to incorporate the "lessons learned" from previous flood control events in other areas in Los Angeles County.

The development of the FMP will be performed under the guidance of a Flood Management Committee formed from the AVIRWMP Stakeholder Group and AVRWMG. This group will be tasked with assisting with the technical development of a FMP and providing recommendations for future flood management governance and funding strategies.

The FMP will ultimately be added to the IRWM Plan as an appendix and the necessary sections of the IRWM Plan will be updated as applicable.

Subtask 2.3.1: Catalog and Review Existing Flood Management Plans

RMC will assemble a list of all existing flood management plans in the region to be reviewed with the Flood Management Committee. Information about applicability, breadth and currency will be documented. This includes prior planning documents prepared by Los Angeles County DPW, the cities of Lancaster and Palmdale, Kern County, and other relevant entities. Existing surface water flow/flood prediction models will also be cataloged and reviewed as part of this task. In addition, any identified flood control projects in both near-term and long-term phases will be identified.

Deliverables:

- Draft and final matrix of existing flood management plans and projects in planning phase

Subtask 2.3.2: Document Flood Protection Needs

Using the review of existing flood management plans as a starting point, RMC will work with the AVRWMG to in turn work with the communities in the region to understand and document existing flood protection needs. RMC will conduct personal interviews with staff from municipalities and other local agencies/groups in order to understand flood protection needs that may not be adequately addressed in existing plans. This task will be combined with Task 2-1, which focuses on DAC flood control needs.

Deliverables:

- Draft and final memo of flood protection needs

Subtask 2.3.3: Develop Methodology to Catalog and Prioritize Flood Projects

Working with the AVIRWM Plan Stakeholders, RMC will develop a methodology to catalog and prioritize flood protection projects to be considered for the AVIRWM Plan. This methodology will follow the methodologies used for ranking other IRWM projects, but will also consider issues specific to flood management such as flood frequency and flood severity. Projects that provide flood protection while recharging groundwater, protecting water quality, and enhancing habitat will be given the highest priority.

Deliverables:

- Draft and final memo of methodology to prioritize flood projects

Subtask 2.3.4: Develop a Regional Vision for Multi-Benefit Flood Protection

Working with the AVIRWMP Stakeholders, RMC will develop a regional vision for what, how, and where multi-benefit flood project projects shall be developed in response to the needs and opportunities identified in Tasks 2.3.1, 2.3.2, and 2.3.3. This vision shall include examples from projects local to the Antelope Valley and in regions with similar features elsewhere in Southern California. Locations where habitat restoration had been identified and improvements to groundwater recharge will be researched and identified. The analysis will also take into account areas that benefit and need flood water, such as Edwards Air Force Base.

This task will also be used to identify and develop potential institutional arrangements that would form the basis for regional coordinated flood planning as well as provide a funding stream for projects identified through this and ongoing flood planning efforts. RMC will facilitate discussion at Flood Management Committee of the AVIRWM Plan Stakeholders will on the benefits and drawbacks of various mechanisms and arrive at a recommendation to be provided to the broader AVIRWMP Stakeholder Group as well as relevant governing boards (e.g. City Councils, Los Angeles County Board of Supervisors, Kern County Board of Supervisors, etc.) who currently have some level of responsibility for flood management activities.

Deliverables:

- Draft and final vision for multi-benefit flood protection, project opportunities and institutional and funding arrangements

Subtask 2.3.5: Facilitate Regional Participation in NFIP CRS

The National Flood Insurance Program's (NFIP) Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. As a result, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community actions. The three goals of the CRS are:

1. Reduce flood losses
2. Facilitate accurate insurance rating
3. Promote the awareness of flood insurance

To promote this program, RMC will prepare a memorandum that describes what residents can do to become involved in the CRS.

Deliverables:

- Draft and final memorandum promoting involvement in CRS

Subtask 2.3.6: Facilitate Coordination between Flood Protection Efforts and Stormwater Quality Efforts

As part of the IRWM Plan Update, RMC will assess opportunities for coordination of flood control efforts and stormwater quality efforts, particularly with regard to low-impact development (LID) features that can retain and infiltrate stormwater runoff at the property or neighborhood scales. The extent to which these practices can

be employed and expanded upon to assist with flood protection efforts will be evaluated within the IRWM Plan Update.

Deliverables:

- Draft and final memo on coordination between flood protection and stormwater quality

Subtask 2.3.7: Compile Integrated Flood Management Plan

RMC will compile the work from all subtasks above into a comprehensive Integrated Flood Management Plan for the Antelope Valley. This comprehensive plan will lay out the current state of the Valley's flood protection facilities, local stakeholder's vision for integrated flood planning, recommendations for participating in CRS and implementing various State programs, and recommendations for institutional and funding arrangements to oversee implementation of the FMP. This comprehensive plan will assist DWR with development of the FloodSAFE Strategic Plan (http://www.water.ca.gov/floodsafe/plan/).

Deliverables:

- Draft Integrated Flood Management Plan Appendix to IRWM Plan
- Final Integrated Flood Management Plan Appendix to IRWM Plan

Task 3: IRWM Plan Update

The objective of this task is to update the 2007 IRWM to reflect Task 2 findings, address any changes since 2007, and bring it in line with the latest State's IRWM Plan standards.

Task 3.1: Update Goals and Objectives

As the technical evaluations move forward, RMC will refine the objectives to guide the region. RMC will use meetings with the Advisory Team, AVIRWM Plan Stakeholder Group and DAC representatives under Task 1 to discuss and refine IRWM Plan goals and objectives.

Deliverables:

- Draft and final IRWM Plan objectives

Task 3.2: Evaluate and Report Plan Performance

The existing IRWM Plan includes Section 7 which describes the evaluation criteria and process that stakeholders used to rank and prioritize IRWM projects, and presents those projects that stakeholders designated as high priority. However, this section did not address specifically how the RWMG would evaluate and report performance on implementing the IRWMP. RMC will develop a mechanism to evaluate and report IRWM Plan performance. This mechanism will contain criteria to be used to evaluate the progress of implementation projects in meeting the IRWM Plan objectives and the process that will link project completion to IRWM Plan implementation. This will ensure that the Antelope Valley region is efficiently making progress towards meeting the objectives in the IRWM Plan; that it is implementing projects listed in the IRWM Plan; and each project in the IRWM Plan is monitored to comply with all applicable rules, laws and permit requirements. Updates to the IRWM Plan will:

- Explain whom or what group within the AVRWMG will be responsible for IRWM implementation evaluation

- List the frequency of evaluating the AVRWMG's performance at implementing projects in the IRWM Plan
- Explain how IRWM implementation will be tracked on the Antelope Valley Water Plan website (www.avwaterplan.com)
- Discuss how findings from project-specific monitoring efforts will be used to improve the AVRWMG's ability to implement future projects in the IRWM Plan

RMC will use committee meetings, A-Team meetings, stakeholder meetings, and DAC outreach efforts under Task 1 to discuss the mechanism for Plan performance monitoring and reporting.

Deliverables:

- Draft and final IRWM Plan Update evaluation and report plan performance component

Task 3.3: Climate Change Analysis

The IRWM Plan does not currently include a discussion on the potential for and impacts of climate change in the Antelope Valley. RMC will conduct a climate change analysis based on DWR's forthcoming climate change guidelines. RMC anticipates preparation of an evaluation of the adaptability of the water management strategy and systems in the region to climate change, including water supply, wastewater, and flood control. We also anticipate developing regional mitigation efforts to reduce the region's carbon footprint. Further, the IRWM Plan Update will contain a gross greenhouse gas (GHG) inventory of the water management systems in the region, to help define the region's baseline. Project-level GHG emissions assessments will be determined from California Environmental Quality Act (CEQA) and California Air Resources Board (CARB) documentation, where available. GHG emissions for all other regional facilities will be estimates based on industry standards. This GHG Inventory will provide an understanding of the region baseline and in selecting IRWM projects that reduce regional emissions. Along with the reduction of GHG emissions, the region will also include other mitigation efforts to combat the effects of climate change.

Deliverables:

- Draft and final climate change component for the IRWM Plan Update

Task 3.4: Refine Implementation Framework

RMC will refine the implementation framework included in the IRWM Plan. These steps may focus on the following long-term activities.

- Implementing priority projects that support the region's IRWM goals and objectives
- Reevaluating the long-term governance and funding structure detailed in the IRWM Plan to guide the ongoing development and implementation of the region's IRWM Plan Update
- Developing a revised project prioritization structure that reflects the new technical information obtained from the climate change analysis, SNMP, and FMP
- Establishing a formal procedure for adding and reprioritizing projects in the IRWM Plan in the future
- Revisiting the needs assessment in the IRWM Plan and developing recommendations for addressing existing technical deficiencies in the region

Deliverables:

- Draft implementation framework for the IRWM Plan Update
- Final implementation framework for the IRWM Plan Update

Task 3.5: Prepare IRWM Plan Update

RMC will prepare a Draft IRWM Plan Update for review by AVIRWM Plan Stakeholder Group and approval by the A-Team and other key regional stakeholders. The update will include:

- Updated sections of the IRWM Plan reflecting edits to the plan as a result of climate change analysis, SNMP, FMP and DAC outreach; and new two appendices to the IRWM Plan that will function as the stand alone SNMP and FMP
- Refined IRWM goals and objectives, plan metrics, and implementation framework
- Project reports for new high priority projects developed as a result of the climate change analysis and both SNMP and FMP efforts added to Appendix F of the IRWM Plan

Based on the comments received from the A-Team, stakeholder group and general public, RMC will prepare a Final IRWM Plan Update. Following one round of revisions based on final comments, RMC will provide the IRWM Plan Update for presentation to the AVRWMG governing bodies.

Deliverables:

- Draft IRWM Plan Update
- Final IRWM Plan Update

Task 4: Project Management/Administration

Task 4.1: Progress Monitoring, Reporting, Invoicing, and Final Report

As this work plan is executed, RMC will monitor progress to ensure the timely delivery of deliverables on budget. RMC will prepare monthly reports and invoices, quarterly reports to DWR (with a summary provided to the Stakeholder Group), and a final report to DWR.

Deliverables:

- Monthly consultant progress reports and invoices
- Quarterly reports to DWR
- Final report to DWR

Exhibit B

RMC
WATER AND ENVIRONMENT

Fee Estimate

Antelope Valley State Water Contractors Association

Antelope Valley Integrated Regional Water Management Plan Update

January 4, 2012

Tasks	Consultant Labor											Subconsultants				ODCs		Total
												Bruce Phillips						
		$220	$240	$176	$155	$265	$225	$200	$230	$115								
Task 1: Ongoing Outreach																		
Task 1.1: Advisory Team Meetings	23	72	12	40	0	6	0	0	0	24	148	$28,480	0		$0	$0	$3,450	$3,795	$32,275
Task 1.2: AVRWM Plan Stakeholder Group Meetings	11	72	12	40	0	0	0	0	0	0	124	$23,720	0		$0	$0	$1,650	$1,815	$25,535
Task 1.3: Continued Outreach to DACs	6	72	8	40	0	0	0	0	0	0	120	$24,760	0		$0	$0	$900	$990	$25,750
Subtotal Task 1:		216	32	120	0	6	0	0	0	24	392	$76,960	0	$0	$0	$0	$6,000	$6,600	$83,560
Task 2: Technical Evaluations																		
Task 2.1: DAC Water Supply and Quality and Flooding Evaluation		72	24	72	0	0	0	0	0	8	176	$35,120	0		$0	$0	$0	$0	$35,120
Task 2.1.1: Coordination Meetings		24	8	24	0	0	0	0	0	0	56	$11,400	0		0				$11,400
Task 2.1.2: Compile and Review Water Quality and Supply and Flooding Data for DAC Areas		24	8	24	0	0	0	0	0	0	56	$11,400	0		0				$11,400
Task 2.1.3: Develop Water Quality and Supply and Flooding Monitoring Plan for DAC Areas		24	8	24	0	0	0	0	0	8	64	$12,320	0		0				$12,120
Task 2.2: Salt/Nutrient Management Planning		24	16	50	0	24	0	8	0	0	122	$25,830	0		$0	$0	$0	$0	$25,830
Task 2.2.1: Stakeholder Participation		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.2: Understand Current and Future Basin Needs		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.3: Create Groundwater Quality Database for Sub-basin		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.4: Data Analysis		24	16	50	0	24	0	8	0	0	122	$25,830	0		0				$25,830
Task 2.2.5: Salt and Nutrient Characterization		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.6: Develop a Monitoring Plan		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.7: Monitoring Implementation		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.8: Manage Salt and Nutrient Loadings on a Sustainable Basis		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.9: Antidegradation Analysis		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.2.10: Salt/Nutrient Management Plan Appendix		0	0	0	0	0	0	0	0	0	0	$0	0		0				$0
Task 2.3: Integrated Flood Management		70	66	84	0	0	0	0	0	20	234	$48,800	420		$94,500	$103,950	$0	$0	$150,750
Task 2.3.1: Catalog and Review Existing Flood Management Plans		10	8	12	0	0	0	0	0	0	30	$6,220	50		$11,250				$6,220
Task 2.3.2: Document Flood Protection Needs		10	8	12	0	0	0	0	0	0	30	$6,220	60		$13,500				$6,220
Task 2.3.3: Develop Methodology to Catalog and Prioritize Flood Projects		10	8	12	0	0	0	0	0	0	30	$6,220	80		$18,000				$6,220
Task 2.3.4: Develop a Regional Vision for Multi-Benefit Flood Protection		10	8	12	0	0	0	0	0	0	30	$6,220	100		$22,500				$6,220
Task 2.3.5: Facilitate Regional Participation in NFIP CRS		10	8	12	0	0	0	0	0	0	30	$6,220	50		$11,250				$6,220
Task 2.3.6: Facilitate Coordination Between Flood Protection Efforts and Stormwater Quality Effort		10	10	12	0	0	0	0	0	0	32	$6,700	40		$9,000				$6,700
Task 2.3.7: Compile Integrated Flood Management Plan		10	10	12	0	0	0	0	0	20	52	$9,000	40		$9,000				$9,000
Subtotal Task 2:		166	100	206	0	24	0	8	0	28	532	$107,750	420	$0	$94,500	$103,950	$0	$0	$211,700
Task 3: IRWM Plan Update																		
Task 3.1: Update Goals and Objectives		40	8	40	10	0	0	0	0	12	110	$20,650	$0		$0	$0	$0	$0	$20,650
Task 3.2: Evaluate and Report Plan Performance		20	8	40	10	10	0	24	0	12	124	$23,700	$0		$0	$0	$0	$0	$23,700
Task 3.3: Climate Change Analysis		30	8	40	10	0	120	0	0	12	220	$45,450	$0		$0	$0	$0	$0	$45,450
Task 3.4: Refine Implementation Framework		40	8	40	10	0	0	0	24	12	134	$25,930	$0		$0	$0	$0	$0	$25,930
Task 3.5: Prepare IRWM Plan Update		40	8	60	10	10	0	0	0	24	172	$31,680	$0		$0	$0	$2,000	$2,200	$33,880
Subtotal Task 3:		170	40	240	50	20	120	24	24	72	760	$147,410	0	$0	$0	$0	$2,000	$2,200	$149,610
Task 4: Project Management/Administration																		
Task 4.1: Progress Monitoring, Reporting, Invoicing, Final Report		40	4	30	12	0	0	0	0	24	110	$19,630	0		$0	$0	$0	$0	$19,630
Subtotal Task 4:		40	4	30	12	0	0	0	0	24	110	$19,630	0	$0	$0	$0	$0	$0	$19,630
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1. The individual hourly rates include salary, overhead and profit.
2. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.
3. Hourly rate structure, PTC charges, and ODC markup is for duration of the project.
4. All of Task 2.2, with the exception of Task 2.2.4, is to be completed by LACSD and LA County Waterworks District No. 40 as specified in the IRWMP Planning Grant application