

# PALMDALE WATER DISTRICT

2029 East Avenue Q • Palmdale, California 93550 • Telephone (661) 947-4111  
Fax (661) 947-8604  
[www.palmdalewater.org](http://www.palmdalewater.org)

## Board of Directors

ROBERT E. ALVARADO  
Division 1

JOE ESTES  
Division 2

GLORIA DIZMANG  
Division 3

KATHY MAC LAREN  
Division 4

VINCENT DINO  
Division 5

ALESHIRE & WYNDER LLP  
Attorneys



May 22, 2014

*Agenda for Regular Meeting  
of the Board of Directors of the Palmdale Water District  
to be held at the District's office at 2029 East Avenue Q, Palmdale  
Wednesday, May 28, 2014  
7:00 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 x1003 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 District's office located at 2029 East Avenue Q, Palmdale. Please call Dawn Deans at 661-947-4111 x1003 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) Adoption of Agenda.
- 4) Public comments for non-agenda items.
- 5) Presentations:
  - 5.1) Cash for Grass Rebate Program. (Retired Annuitant Beck)

- 6) Action Items - Consent Calendar (The public shall have an opportunity to comment on any action item as each item is considered by the Board of Directors prior to action being taken.)
  - 6.1) Approval of minutes of workshop meeting held May 12, 2014.
  - 6.2) Approval of minutes of regular meeting held May 14, 2014.
  - 6.3) Payment of bills for May 28, 2014.
  - 6.4) Approval of First Amendment to Consulting Services Agreement with Tripepi Smith & Associates, Inc. for Web Site Creation, Support, Hosting and Related Services. (\$4,000.00 – Budgeted – General Manager LaMoreaux)
  - 6.5) Approval of District 2014 membership in the Water Research Foundation (formerly known as American Water Works Association Research Foundation-AWWARF). (\$13,402.00 – Budgeted – Operations Manager Thompson II)
- 7) Action Items – Action Calendar (The public shall have an opportunity to comment on any action item as each item is considered by the Board of Directors prior to action being taken.)
  - 7.1) Consideration and possible action on Resolution No. 14-10 being a Resolution of the Governing Board of the Palmdale Water District Approving the Adoption of the 2013 Update to the Antelope Valley Integrated Regional Water Management Plan. (Assistant General Manager Knudson)
  - 7.2) Consideration and possible action on District membership in the Antelope Valley Hispanic Chamber of Commerce. (\$350.00 – Non-budgeted – General Manager LaMoreaux/Outreach Committee)
  - 7.3) Consideration and possible action on District membership in the African-American Chamber of Commerce. (\$450.00 – Non-budgeted – General Manager LaMoreaux/Outreach Committee)
  - 7.4) Consideration and possible action on Board and staff attendance at conferences, seminars, and training sessions as follows:
    - a) Water Education Foundation Briefing “The Challenges of the 2014 Drought: Water Project Operations” to be held June 4, 2014 in Sacramento.
    - b) Association of State Dam Safety Officials “Dam Safety” Conference to be held September 21 – 25, 2014 in San Diego.
    - c) California Special Districts Association Annual Conference & Exhibitor Showcase to be held September 29 – October 2, 2014 in Palm Springs.
- 8) Information Items:
  - 8.1) Reports of Directors: Meetings/Committee Meetings/General Report.
  - 8.2) Report of General Manager.
    - a) Palmdale Recycled Water Authority status.

- b) Monthly Department Reports.
- c) District Vacancy Report.
- 8.3) Report of Attorney.
- 9) Public comments on closed session agenda matters.
- 10) Closed session under:
  - 10.1) Government Code Section 54956.9(d)(1), pending litigation: *Antelope Valley Ground Water Cases*.
  - 10.2) Government Code Section 54956.9(d)(1), pending litigation: *United States, et al. v. J-M Manufacturing Company, Inc., et al., United States District Court for the Central District of California Case No. ED CV06-0055-GW*.
  - 10.3) Government Code Section 54956.9(d)(1), pending litigation: *Central Delta Water Agency vs. Department of Water Resources, Sacramento Superior Court Case No. 34-2010-80000561*.
  - 10.4) Government Code Section 54956.9(d)(1), pending litigation: *Omar Ramirez v. Palmdale Water District*.
- 11) Public report of any action taken in closed session.
- 12) Board members' requests for future agenda items.
- 13) Adjournment.

  
DENNIS D. LaMOREAUX,  
General Manager

DDL/dd

**PALMDALE WATER DISTRICT  
BOARD MEMORANDUM**

**DATE:** May 21, 2014 **May 28, 2014**  
**TO:** BOARD OF DIRECTORS **Regular Board Meeting**  
**FROM:** Mr. Dennis D. LaMoreaux, General Manager  
**RE:** ***AGENDA ITEM NO. 6.4 – APPROVAL OF FIRST AMENDMENT TO CONSULTANT SERVICES AGREEMENT WITH TRIPEPI SMITH & ASSOCIATES, INC. FOR WEB SITE CREATION, SUPPORT, HOSTING & RELATED SERVICES***

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**Recommendation:**

Staff recommends entering into the attached First Amendment to Consultant Services Agreement with Tripepi Smith & Associates, Inc. for Web Site Creation, Support, Hosting & Related Services in the not-to-exceed amount of \$4,000.00 increasing their maximum contract amount to \$24,000.00.

**Background:**

A Consultant Services Agreement with Tripepi Smith & Associates, Inc. for web site development services was approved by the Board of Directors on April 9, 2014. At the last Strategic Plan Workshop, the Board approved a Strategic Plan, and a proposal for development of a Strategic Plan brochure was requested from Tripepi Smith & Associates, Inc. so the brochure is coordinated with the design of the new web site. The First Amendment to Consultant Services Agreement addresses this work.

**Strategic Plan Element:**

This work is part of the District's Strategic Plan, 7.1 Customer Communications.

**Budget:**

This item is currently funded in the 2014 budget.

**Supporting Documents:**

- Professional Services Agreement with Tripepi Smith & Associates, Inc. for Web Site Creation, Support, Hosting & Related Services
- First Amendment to Consultant Services Agreement with Tripepi Smith & Associates, Inc. for Web Site Creation, Support, Hosting & Related Services

## CONSULTANT SERVICES AGREEMENT

### PALMDALE WATER DISTRICT & TRIPEPI SMITH & ASSOCIATES, INC.

### FOR WEBSITE CREATION, SUPPORT, HOSTING & RELATED SERVICES

This CONSULTANT SERVICES AGREEMENT, hereinafter referred to as "Agreement," is made and entered into this 9<sup>th</sup> day of April, 2014 by and between PALMDALE WATER DISTRICT, a public corporation organized and existing under the provisions of the California Water Code, hereinafter referred to as "District," and TRIPEPI SMITH & ASSOCIATES, INC., a California Corporation, hereinafter referred to as "Consultant."

Whereas, District requires professional website design, programming, hosting and support services services in conjunction with its public communication and transparency efforts; and

Whereas, Consultant has demonstrated expertise in various aspects of website development and public communications for government agencies and is qualified to provide the professional services required by District; and

Whereas, District and Consultant desire to enter into a contract for the provision of professional services for the creation of a website and optional Internet-related communication platforms as delineated in the Scope of Work attached hereto as Exhibit A, subject to the terms and conditions of this Agreement.

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

#### 1.0 SERVICES OF CONSULTANT

1.1 Scope of Services. In compliance with all of the terms and conditions of this Agreement, Consultant shall perform the work or services set forth in the "Scope of Services" attached hereto as Exhibit "A" and incorporated herein by reference. Consultant warrants that all work or services set forth in the Scope of Services will be performed in a competent, professional and satisfactory manner. Additional terms and conditions of this Agreement, if any, which are made a part hereof are set forth in the "Special Requirements" attached hereto as Exhibit "B" and incorporated herein by this reference. In the event of a conflict between the provisions of Exhibit "B" and any other provisions of this Agreement, the provisions of Exhibit "B" shall govern.

1.2 Compliance With Law. All work and services rendered hereunder shall be provided in accordance with all ordinances, resolutions, statutes, rules and regulations of the District and any federal, state or local governmental agency of competent jurisdiction.

1.3 Licenses, Permits, Fees and Assessments. Consultant shall obtain, at its sole cost and expense, such licenses, permits and approvals as may be required by law for the performance of the services required by this Agreement. 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.

## 2.0 COMPENSATION

2.1 Contract Sum. For the services rendered pursuant to this Agreement, Consultant shall be compensated in accordance with the "Schedule of Compensation" attached hereto as Exhibit "C" and incorporated herein by this reference, but not exceeding the maximum contract amount of Twenty Thousand Dollars (\$20,000) ("Contract Sum").

2.2 Method of Payment. Provided that Consultant is not in default under the terms of this Agreement, Consultant shall be paid net thirty (30) days upon receipt of invoice and as set forth in "Schedule of Compensation in Exhibit "C."

## 3.0 COORDINATION OF WORK

3.1 Representative of Consultant. Ryder Todd Smith is hereby designated as being the representative of Consultant authorized to act on its behalf with respect to the work or services specified herein and make all decisions in connection therewith.

3.2 Contract Officer. District's District Manager is hereby designated as being the representative of the District authorized to act in its behalf with respect to the work and services specified herein and make all decisions in connection therewith ("Contract Officer"). District may designate another Contract Officer by providing written notice to Consultant.

3.3 Prohibition Against Subcontracting or Assignment. Consultant shall not contract with any entity to perform in whole or in part the work or services required hereunder without the express written approval of District. Neither this Agreement nor any interest herein may be assigned or transferred, voluntarily or by operation of law, without the prior written approval of District. Any such prohibited assignment or transfer shall be void.

3.4 Independent Contractor. Neither the District nor any of its employees shall have any control over the manner, mode or means by which Consultant, its agents or employees, perform the services required herein, except as otherwise set forth on Exhibit "A". Consultant shall perform all services required herein as an independent contractor of District and shall remain under only such obligations as are consistent with that role. Consultant shall not at any time or in any manner represent that it or any of its agents or employees are agents or employees of District.

## 4.0 INSURANCE AND INDEMNIFICATION

4.1 Insurance. Consultant shall procure and maintain, at its sole cost and expense, in a form and content satisfactory to District, during the entire term of this Agreement including any extension thereof, the following policies of insurance:

- (a) Commercial General Liability Insurance. A policy of commercial general liability insurance using Insurance Services Office "Commercial General Liability" policy form CG 00 01, with an edition date prior to 2004, or the exact equivalent. Coverage for an additional insured shall not be limited to its vicarious liability. Defense costs must be paid in addition to limits. Limits shall be no less than \$1,000,000.00 per occurrence for all covered losses and no less than \$2,000,000.00 general aggregate.

- (b.) Workers' Compensation Insurance. A policy of workers' compensation insurance on a state-approved policy form providing statutory benefits as required by law with employer's liability limits no less than \$1,000,000.00 per accident for all covered losses.
- (c.) Automotive Insurance. A policy of comprehensive automobile liability insurance written on a per occurrence basis in an amount not less than \$1,000,000.00 per accident, combined single limit. Said policy shall include coverage for owned, non-owned, leased and hired cars.
- (d.) Professional Liability or Error and Omissions Insurance. A policy of General Liability insurance in an amount not less than \$1,000,000.00 per claim with respect to loss arising from the actions of Consultant performing professional services hereunder on behalf of the District.

All of the above policies of insurance shall be primary insurance and shall name the District, its officers, employees and agents as additional insureds. The insurer shall waive all rights of subrogation and contribution it may have against the District, its officers, officials, employees, agents, representatives, and volunteers, and their respective insurers. Moreover, the insurance policy must specify that where the primary insured does not satisfy the self-insured retention, any additional insured may satisfy the self-insured retention in order to assure coverage as an "additional insured." All of said policies of insurance shall be endorsed to:

Consultant agrees that the provisions of this Section 4.1 shall not be construed as limiting in any way the extent to which Consultant may be held responsible for the payment of damages to any persons or property resulting from Consultant's activities or the activities of any person or persons for which Consultant is otherwise responsible.

The insurance required by this Agreement shall be satisfactory only if issued by companies qualified to do business in California, rated "A" or better in the most recent edition of Best Rating Guide, The Key Rating Guide or in the Federal Register, and only if they are of a financial category Class VII or better, unless such requirements are waived by the Senior Risk Management Analyst of the District due to unique circumstances.

In the event that the Consultant is authorized to subcontract any portion of the work or services provided pursuant to this Agreement, the contract between the Consultant and such subcontractor shall require the subcontractor to maintain the same policies of insurance that the Consultant is required to maintain pursuant to this Section 4.1.

#### 4.2 Indemnification.

- (a.) Indemnity for Professional Liability. When the law establishes a professional standard of care for Consultant's services, to the fullest extent permitted by law, Consultant shall indemnify, defend and hold harmless District and the District's Parties from and against any and all losses, liabilities, damages, costs and expenses, including attorneys' fees and costs to the extent same are caused in whole or in part by any negligent or wrongful act, error or omission of

Consultant, its officers, agents, employees or subcontractors (or any entity or individual for which Consultant shall bear legal liability) in the performance of professional services under this Agreement.

- (b.) Indemnity for Other Than Professional Liability. Other than in the performance of professional services and to the full extent permitted by law, Consultant shall indemnify, defend and hold harmless District and District's Parties from and against any liability (including liability for claims, suits, actions, losses, expenses or costs of any kind, whether actual, alleged or threatened, including attorneys' fees and costs, court costs, defense costs and expert witness fees), where the same arise out of, are a consequence of, or are in any way attributable to, in whole or in part, the performance of this Agreement by Consultant or by any individual or entity for which Consultant is legally liable, including but not limited to officers, agents, employees or subcontractors of Consultant.

## 5.0 TERM

5.1 Term. Unless earlier terminated in accordance with Section 5.2 below, this Agreement shall continue in full force and effect until December 31, 2014.

5.2 Termination Prior to Expiration of Term. Either party may terminate this Agreement at any time, with or without cause, upon thirty days' written notice to the other party. Upon receipt of the notice of termination, the Consultant shall immediately cease all work or services hereunder except as may be specifically approved by the Contract Officer. In the event of termination by the District, Consultant shall be entitled to compensation for all services rendered prior to the effectiveness of the notice of termination and for such additional services specifically authorized by the Contract Officer and District shall be entitled to reimbursement for any compensation paid in excess of the services rendered.

## 6.0 MISCELLANEOUS

6.1 Covenant Against Discrimination. Consultant covenants that, by and for itself, its heirs, executors, assigns and all persons claiming under or through it, that there shall be no discrimination against or segregation of, any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin, or ancestry in the performance of this Agreement. Consultant shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, creed, religion, sex, marital status, national origin or ancestry.

6.2 Non-Liability of District Officers and Employees. No officer or employee of the District shall be personally liable to the Consultant, or any successor in interest, in the event of any default or breach by the District or for any amount which may become due to the Consultant or to its successor, or for breach of any obligation of the terms of this Agreement.

6.3 Conflict of Interest. No officer or employee of the District shall have any financial interest in this Agreement nor shall any such officer or employee participate in any decision relating to the Agreement which affects his financial interest or the financial interest of any corporation, partnership or association in which he is, directly or indirectly, interested, in violation of any state

statute or regulation. The Consultant warrants that it has not paid or given and will not pay or give any third party any money or other consideration for obtaining this Agreement. When requested by the Contract Officer, prior to the District's execution of this Agreement, Consultant shall provide the District with an executed statement of economic interest.

6.4 Notice. Any notice or other communication either party desires or is required to give to the other party or any other person shall be in writing and either served personally or sent by prepaid, first-class mail, in the case of District, to the District's General Manager and to the attention of the Contract Officer, Palmdale Water District, 2029 E. Avenue Q Street, Palmdale, California 93550, and in the case of the Consultant, to the person at the address designated on the execution page of this Agreement.

6.5 Interpretation. The terms of this Agreement shall be construed in accordance with the meaning of the language used and shall not be construed for or against either party by reason of the authorship of this Agreement or any other rule of construction which might otherwise apply.

6.6 Integration Amendment. It is understood that there are no oral agreements between the parties hereto affecting this Agreement and that this Agreement supersedes and cancels any and all previous negotiations, arrangements, agreements and understandings, if any, between the parties, and none shall be used to interpret this Agreement. This Agreement may be amended at any time by a writing signed by both parties.

6.7 Severability. In the event that part of this Agreement shall be declared invalid or unenforceable by a valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining portions of this Agreement which are hereby declared as severable and shall be interpreted to carry out the intent of the parties hereunder unless the invalid provision is so material that its invalidity deprives either party of the basic benefit of their bargain or renders this Agreement meaningless.

6.8 Waiver. No delay or omission in the exercise of any right or remedy by a nondefaulting party on any default shall impair such right or remedy or be construed as a waiver. A party's consent to or approval of any act by the other party requiring the party's consent or approval shall not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

6.9 Attorneys' Fees. If either party to this Agreement is required to initiate, defend or make a party to any action or proceeding in any way connected with this Agreement, the prevailing party in such action or proceeding, in addition to any other relief which may be granted, shall be entitled to reasonable attorneys' fees, whether or not the matter proceeds to judgment.

6.10 Corporate Authority. The persons executing this Agreement on behalf of the parties hereto warrant that (i) such party is duly organized and existing, (ii) they are duly authorized to execute and deliver this Agreement on behalf of said party, (iii) by so executing this Agreement, such party is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which said party is bound.

6.11 Warranty & Representation of Non-Collusion. No official, officer, or employee of District has any financial interest, direct or indirect, in this Agreement, nor shall any official, officer, or employee of District participate in any decision relating to this Agreement which may affect his/her financial interest or the financial interest of any corporation, partnership, or association in which (s)he is directly or indirectly interested, or in violation of any corporation, partnership, or association in which (s)he is directly or indirectly interested, or in violation of any State or municipal statute or regulation. The determination of "financial interest" shall be consistent with State law and shall not include interests found to be "remote" or "noninterests" pursuant to Government Code Sections 1091 or 1091.5. Consultant warrants and represents that it has not paid or given, and will not pay or give, to any third party including, but not limited to, any official, officer, or employee of the District, any money, consideration, or other thing of value as a result or consequence of obtaining or being awarded any agreement. Consultant further warrants and represents that (s)he/it has not engaged in any act(s), omission(s), or other conduct or collusion that would result in the payment of any money, consideration, or other thing of value to any third party including, but not limited to, any official, officer, or employee of the District, as a result of consequence of obtaining or being awarded any agreement. Consultant is aware of and understands that any such act(s), omission(s) or other conduct resulting in the payment of money, consideration, or other thing of value will render this Agreement void and of no force or effect.

6.12 Prevailing Wages. Consultant shall comply with Labor Code Section 1775. In accordance with said Section 1775, the Consultant shall forfeit as a penalty to the District, 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.

6.13 Ownership of Documents. District 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 District while in Consultant's possession. Upon termination of the Agreement or completion of work under the Agreement, Consultant shall turn over to the District any District 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.

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

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 District.

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 District's name is used or its identity is implied without prior written approval by the District.

6.14 Jurisdiction and Venue. 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 Superior Court of California, Los Angeles County, or the United States District Court for the Central District of California in the event any dispute arises in conjunction herewith.

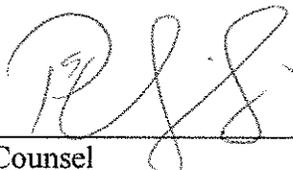
6.15 Authority. The signatories to this Agreement represent that they have the authority to execute this Agreement.

IN WITNESS WHEREOF, the parties have executed and entered into this Agreement as of the date first written above.

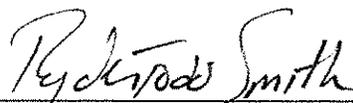
**PALMDALE WATER DISTRICT,**

  
\_\_\_\_\_  
Dennis D. LaMoreaux, General Manager

APPROVED AS TO FORM:  
ALESHIRE & WYNDER, LLP

  
\_\_\_\_\_  
Asst. General Counsel

**CONSULTANT:**  
Tripepi Smith & Associates, Inc.

By:   
\_\_\_\_\_  
Name: Ryder Todd Smith  
Title: President

By:   
\_\_\_\_\_  
Name: Nicole D. Smith  
Title: CFO

Address: PO Box 52152, Irvine, CA  
Irvine, CA 9261

[END OF SIGNATURES]

Exhibit "A"

**SCOPE OF SERVICES**

**A-1. Website Creation**

Consultant will rebuild District's website in WordPress. The steps involved in redoing the site shall be as follows: business specifications development and discovery, design and refinement, programming, and testing. Once the site is rebuilt, Consultant shall, for the monthly maintenance fee basis set forth in the Schedule of Compensation, provide technical support on the site maintenance.

During the specification development process, Consultant may identify various buckets of content that must be written to fill in the new site. District shall be responsible to write any new content. Any costs incurred for travel or other activities shall be approved by District's Contract Officer, in advance, and reimbursed by District.

**A-2. Website Development Process**

Consultant shall, with approval of District's Contract Officer, develop a specification(s) document to detail expectations and objectives of the website. The agreed upon specification(s) document shall identify platform(s) and browser compatibility requirements. Upon approval by the Contract Officer, Consultant shall prepare mockups of various site designs and image selection. Upon approval of site mockups by the Contract Officer, Consultant shall commence programming of the new website. Consultant and the Contract Officer shall mutually develop a punch list during the last third of the programming phase of the new website.

**A-3. Usability Standards and Testing**

District's website shall be designed for the last two versions of any released common browser (Internet Explorer, Safari, Firefox, Chrome). Consultant and the Contract Officer will review the site on small screen mobile platforms to ensure the site renders appropriately. Upon approval of the small screen testing, Consultant will then test the website on an iPad to ensure compatibility with this platform.

**A-5. Technologies**

For new website development Consultant shall use the WordPress codex ([www.wordpress.org](http://www.wordpress.org)). This open source content management system makes publishing to the Internet and empowering non-technical resources much easier. Consultant warrants and represents that this solution is widely known and understood by industry consultants and firms.

Exhibit "B"

**SPECIAL REQUIREMENTS**

District hereby designates Mr. Jim Stanton, as its Contract Officer. District represents to Consultant it has control of its DNS for its domain name and can make changes as requested to support the implementation of the new website.

Consultant will not integrate District's website with District's on-site payment services or other secure backend system(s), though the Site will be calling out to third-party payment management platforms as currently provided on the existing District Website.

Exhibit "C"

**SCHEDULE OF COMPENSATION**

The payment schedule for the website will be in 25% increments with 25% to initiate work, 25% at start of design phase, 25% at acceptance of design concepts and initiation of programming and 25% at the end upon client acceptance. Upon acceptance of the same by District, additional outstanding fees related to stock imagery licensing, pre-paid annual hosting and any opted for monthly support fees will be bill in addition to the final 25% progress payment.

This Schedule of Compensation shall include the following professional services:

Website Redesign and Reprogram	\$14,500 for Delivery of Website
Quarterly Web Strategy Sessions with a Senior Consultant \$160 / Hour (Estimate 4 hours per quarter)	\$640
Ongoing Monthly Support (\$350 per month)	\$2100
Annual Web Hosting Fee	\$300
Stock Imagery Licensing (Estimate)	\$300
Total	\$17,840

**FIRST AMENDMENT TO CONSULTANT SERVICES AGREEMENT WITH TRIPEPI SMITH & ASSOCIATES, INC. FOR WEBSITE CREATION, SUPPORT, HOSTING & RELATED SERVICES**

This FIRST AMENDMENT to that certain CONSULTANT SERVICES AGREEMENT, hereinafter referred to as "First Amendment," is made and entered into this \_\_\_ of May, 2014 by and between PALMDALE WATER DISTRICT, a public corporation organized and existing under the provisions of the California Water Code, hereinafter referred to as "District," and TRIPEPI SMITH & ASSOCIATES, INC., a California Corporation, hereinafter referred to as "Consultant."

Whereas, District and Consultant have previously entered into that certain "CONSULTANT SERVICES AGREEMENT FOR WEBSITE CREATION, SUPPORT, HOSTING & RELATED SERVICES, dated on or about May \_\_\_, 2014, hereinafter, referred to as the "Agreement," which requires certain professional website design, programming, hosting and support services; and

Whereas, District and Consultant desire to amend that Agreement to provide certain additional professional services for Internet-related communication platforms as delineated in the amended Scope of Work set forth below, and subject to the terms and conditions of this First Amendment.

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

**SECTION 1. AMENDMENT TO SCOPE OF SERVICES.**

Section 1.1, Scope of Services, of the Agreement is hereby amended to add the following additional task to the scope of services:

"A-6. Consultant shall prepare a written summary of District's Strategic Plan in a printed and online ready format. The work product shall, among other topics, include a history of District and a Strategic Plan vision statement in a single, easily-shared document. The work product will take the form of a trifold, or other form acceptable to the Contract Officer, on 8.5 x 11 three page six full sides document. Production of this work product will require writing original copy, photography, and graphic layout services all to be performed by Consultant and subject to the reasonable approval of the Contract Officer."

**SECTION 2. AMENDMENT TO COMPENSATION.**

Section 2.1, Contract Sum, of the Agreement is hereby amended to increase the total contract sum by an amount not to exceed Four Thousand Dollars (\$4,000.00), increasing the maximum contract amount to Twenty-Four Thousand Dollars (\$24,000.00).

**SECTION 3. TERMS & CONDITIONS OF UNDERLYING AGREEMENT REMAIN UNCHANGED.**

Except as expressly amended by this First Amendment, all other terms and conditions of the Agreement shall remain in full force and effect.

[SIGNATURES ON NEXT PAGE]

**PALMDALE WATER DISTRICT,**

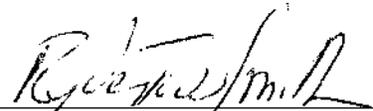
Dennis D. LaMoreaux, General Manager

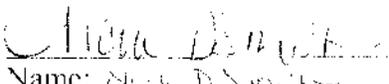
APPROVED AS TO FORM:  
ALESHIRE & WYNDER, L.L.P

\_\_\_\_\_  
General Counsel

**CONSULTANT:**

Tripepi Smith & Associates, Inc.

By:   
Name: Ryder Todd Smith  
Title: President

By:   
Name: Dennis D. LaMoreaux  
Title: General Manager

Address: P.O. Box 52152, Irvine, CA  
Irvine, CA 9261

[END OF SIGNATURES]

**PALMDALE  
WATER DISTRICT  
BOARD MEMORANDUM**

**DATE:** May 21, 2014 May 28, 2014  
**TO:** BOARD OF DIRECTORS **Board Meeting**  
**FROM:** Peter Thompson II, Operations Manager  
**VIA:** Mr. Dennis LaMoreaux, General Manager  
Mr. Matthew Knudson, Assistant General Manager  
**RE:** *AGENDA ITEM NO. 6.5 – APPROVAL OF DISTRICT 2014 MEMBERSHIP IN THE WATER RESEARCH FOUNDATION (FORMERLY KNOWN AS AMERICAN WATER WORKS ASSOCIATION RESEARCH FOUNDATION-AWWARF)*

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**Recommendation:**

Staff recommends that the Board consider approving renewal of the District's membership in the Water Research Foundation for 2014.

**Financial Impacts:**

The Annual Commitment based on total million gallons delivered in 2013 is \$13,402.00. (Budgeted under Administration, Memberships and Subscriptions, 1-02-4165-000)

**Background:**

The District has been an American Water Works Association Research Foundation/Water Research Foundation (AwwaRF/WRF) subscriber for many years. In 2004, the District was able to receive \$100,000.00 in funds to conduct an AwwaRF Tailored Collaboration Study entitled "DBP Control in High Bromide Water While Using Free Chlorine During Distribution" (Project No. 3075). The project was completed by Carollo Engineering in March of 2005, was reviewed by PWD and AwwaRF staff, and the final report became available in August of 2006. The total cost of the project was \$375,392.00.

Information gathered from this study was instrumental to District staff in the decision making process regarding which technologies would provide the greatest benefit and should be included in upgrades to the District's water treatment plant.

In 2013, the District was a co-funding and participating member in a study to determine the most effective technologies for removing or reducing Chromium VI. The results of this study are helping the water community assess the best available options for treatment in light of the new Chromium VI regulation passed by the California Department of Public Health.

Additionally, between March 2013 and March 2014, District staff utilized a report from WRF to provide guidance resilient business models for water utilities. The research value of this report was \$564,088.00.

BOARD OF DIRECTORS  
PALMDALE WATER DISTRICT

VIA: Mr. Dennis LaMoreaux, General Manager  
Mr. Matthew Knudson, Assistant General Manager

-2-

May 21, 2014

In 2014-2015, staff plans to request and utilize reports and studies from the following areas: asset management, use of anionic and nonionic polymers, and Chromium VI.

It is through the combined support of membership agencies like Palmdale Water District that research on the most important and emerging water issues can be carried out. In addition to contributing to the research effort, membership provides the District with the opportunity to influence the direction of research projects and full access to all reports from past and current studies.

**Strategic Plan Element:**

Membership in this organization relates to the District's Strategic Plan vision statement and core values as well as Strategic Plan Element's:

- Regulatory Compliance
- 1.7 Conduct Investigation(s) into technologies to meet water quality standards

**Supporting Documents:**

- Water Research Foundation 2014 Invoice
- Foundation Involvement Report



# 2014 INVOICE

6666 W. Quincy Ave., Denver, CO 80235-3098  
 P 303.347.6128 F 303.734.0196  
 pschrader@WaterRF.org

Invoice Number RF2014-0003981	Date March 3, 2014
Subscriber Number 0003981	Foundation Tax ID 13-6211384
Subscriber Since 05/01/88	Due Date Net 30 Days

Palmdale Water District  
 ATTN: Dennis D. LaMoreaux, General Manager  
 2029 East Ave Q  
 Palmdale, CA 93550-4038

ITEM NO.	DESCRIPTION	COMMITMENT AMOUNT
RF2014	May 2014 through April 2015 Subscription to the Water Research Foundation Program	\$13,402.00
Pay this amount:		\$13,402.00
<i>You may request a revised invoice if your worksheet amount differs.</i>		



*Detach and return with payment and completed worksheet in the enclosed envelope*  
 Please make check payable to: Water Research Foundation

6666 W. Quincy Ave, Denver, CO 80235-3098  
 P 303.347.6128 F 303.734.0196  
 pschrader@WaterRF.org

Invoice Number RF2014-0003981	Date March 3, 2014
Subscriber Number 0003981	Due Date Net 30 Days

ITEM NO.	DESCRIPTION	AMOUNT DUE
RF2014	Subscription to the Water Research Foundation Program	\$13,402.00
<b>REVISED INVOICE REQUESTED</b>		<b>AMOUNT ENCLOSED</b>
<input type="checkbox"/> Yes <input type="checkbox"/> No		

Palmdale Water District  
 ATTN: Dennis D. LaMoreaux, General Manager  
 2029 East Ave Q  
 Palmdale, CA 93550-4038



# Foundation Involvement Report Palmdale Water District

## Main Contact:

Dennis D. LaMoreaux  
Palmdale Water District  
2029 East Ave Q  
Palmdale, CA 93550-4038

Phone: (661) 456-1003 FAX: (661) 947-8604  
Email: dlamoreaux@palmdalewater.org

### **Tailored Collaboration Project Participation**

Funding Yr	Project Name/Project Number	Total Project Value
2004	<i>DBP Control in High Bromide Water While Using Free Chlorine During Distribution [#3075]</i>	\$375,392
	<i>Involvement</i>	
	Sponsor	
	CoFunder (Cash Contribution: \$200,000)	
	<b>Total Project Value:</b>	<b>\$375,392</b>

### **Other Project Participation**

Funding Yr	Project Name/Project Number	Total Project Value
2012	<i>Impact of Water Quality on Hexavalent Chromium Removal Efficiency and Cost [#4450]</i>	\$870,683
	<i>Involvement:</i>	
	CoFunder	
	CoFunding Contribution: \$14,500, In-Kind Contribution: \$5,000	
2010	<i>Drinking Water Pump Station Design and Operation for Energy Efficiency [#4308]</i>	\$453,196
	<i>Involvement:</i>	
	Participating Utility	
	In-Kind Contribution: \$5,000	
	<b>Total Project Value:</b>	<b>\$1,323,879</b>

**Project Advisory Committee (PAC) Participation**

Funding Yr	PAC Member/Project Title	Total Project Value
2009		
	<b>Goree, Allen D</b>	
	Workforce Health and Safety: Prevention Through Design [#4236]	\$303,643
	<b>Total Project Value:</b>	<b>\$303,643</b>

**Reports Ordered (Last 12 Months)**

Palmdale Water District has ordered printed reports and downloaded 1 PDF reports from our website for a total of 1 reports in the past twelve months representing 1 projects with a total research value of \$564,088 as follows:

Topic Area	Report Name/Project No./Order No.	Total Project Value
	<b>Defining a Resilient Business Model for Water Utilities [#4366] (Order No. 4366)</b>	\$564,088
	<u>Ordered By</u>	<u>Date</u> <u># of Copies</u> <u>Report Type</u>
	Mr. Peter Thompson II	2/18/2014    1    PDF
	<b>Total Project Value:</b>	<b>\$564,088</b>

**Webinar Participation**

Date	Subject
2012	
3/19/2012	<b>Competency Model Development and Application to Meet Water Utility Workforce Needs</b>  <u>Participants:</u> Joe Kerschner (Live)
5/24/2012	<b>Effective Microbial Control Strategies for Main Breaks and Depressurization</b>  <u>Participants:</u> Peter Thompson (Live)
2010	
9/14/2010	<b>Accuracy of In-Service Water Meters at Low and High Flow Rates</b>  <u>Participants:</u> Gene Taylor (Live)
2009	
7/29/2009	<b>Biological Filtration</b>  <u>Participants:</u>

Gregory Dluzak (Live)

**3/26/2009 Controlling Algae in Water Treatment Plants**

Participants:

Peter Thompson (Live)

**4/15/2009 Supply of Critical Drinking Water and Wastewater Treatment Chemicals**

Participants:

Gregory Dluzak (Live)

2006

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**8/24/2006 Changing Disinfectants: Potential Impacts on Distribution System Water Quality**

Participants:

Gregory Dluzak (Live)

**PALMDALE  
WATER DISTRICT  
BOARD MEMORANDUM**

**DATE:** May 22, 2014 **May 28, 2014**  
**TO:** BOARD OF DIRECTORS **Board Meeting**  
**FROM:** Mr. Matthew Knudson, Assistant General Manager  
**VIA:** Mr. Dennis LaMoreaux, General Manager  
**RE:** *AGENDA ITEM NO. 7.1 – CONSIDERATION AND POSSIBLE ACTION ON RESOLUTION NO. 14-10 BEING A RESOLUTION OF THE GOVERNING BOARD OF THE PALMDALE WATER DISTRICT APPROVING THE ADOPTION OF THE 2013 UPDATE TO THE ANTELOPE VALLEY INTEGRATED REGIONAL WATER MANAGEMENT PLAN*

**Recommendation:**

Staff recommends that the Board approve Resolution No. 14-10 which adopts the 2013 Update to the Antelope Valley - Integrated Regional Water Management Plan.

**Financial Impact:**

The approval of the attached Resolution No. 14-10 will have no impact on the District's 2014 Budget.

**Background:**

Several years ago, leaders and agencies in the Antelope Valley Region recognized the need for regional cooperation and planning. In an effort to represent the broad interests within the Antelope Valley Region, a number of organizations joined to form a Regional Water Management Group (RWMG) to work together and create the Antelope Valley - Integrated Regional Water Management (AV IRWM) Plan. Members of the RWMG include the Antelope Valley-East Kern Water Agency (AVEK), Antelope Valley State Water Contractors Association (AVSWCA), City of Lancaster, City of Palmdale, Littlerock Creek Irrigation District, Los Angeles County Sanitation District (LACSD) Nos. 14 and 20, Los Angeles County Waterworks District No. 40 (LACWD 40), Palmdale Water District (PWD), Quartz Hill Water District (QHWD), and Rosamond Community Services District (RCSD). These 11 public agencies signed a Memorandum of Understanding (MOU) to define what their roles and responsibilities are in developing and moving forward with implementation of the AV IRWM Plan. The decision making structure of the MOU provides the RWMG with the responsibility to make formal decisions regarding the scope and content of the AV IRWM Plan. These agencies agreed to contribute funds to help develop the AV IRWM Plan, provide and share information, review and comment on drafts, adopt the final AV IRWM Plan, and assist in future grant applications for the priority projects identified in the Plan. In January, 2007, the RWMG and other community participants (the Stakeholders) set about developing a broadly supported water resource management plan that defines a meaningful course of action to meet the expected demands for water within the entire Antelope Valley Region through 2035. They chose to create the AV IRWM Plan consistent with the State sponsored Integrated Regional Water Management Program that makes grant funds available to support sound regional water management.

BOARD OF DIRECTORS  
PALMDALE WATER DISTRICT  
VIA: Mr. Dennis LaMoreaux, General Manager

-2-

May 22, 2014

In 2012, the RWMG began development of this IRWM Plan Update to incorporate changes to the Region's water resources that have occurred since 2007. The 2013 Updated Plan also includes new information as required by the California Department of Water Resources (DWR) 2012 Integrated Regional Water Management Proposition 84 Guidelines.

**Supporting Documents:**

- Resolution No. 14-10
- The 2013 Update of the AV IRWM Plan can be found at [www.avwaterplan.org](http://www.avwaterplan.org)

**Strategic Plan Element**

Strategic Element 2.0 – Natural Resources Management

**RESOLUTION NO. 14-10**

**RESOLUTION OF THE GOVERNING BOARD OF THE PALMDALE  
WATER DISTRICT APPROVING THE ADOPTION OF THE 2013  
UPDATE TO THE ANTELOPE VALLEY INTEGRATED REGIONAL  
WATER MANAGEMENT PLAN**

WHEREAS, the State of California Department of Water Resources (DWR) created the Integrated Regional Water Management (IRWM) Program to encourage integrated, regional strategies for managing water resources and to provide funding for both planning and implementation of projects that support management of water supply, water quality, environmental interests, drought protection, flood protection, and reduction of dependence on imported water and many other; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40, Antelope Valley, have established a Regional Water Management Group (RWMG) by means of a Memorandum of Understanding; and

WHEREAS, DWR and State Legislators have established program guidelines for the IRWM Program through Proposition 84 and Proposition 1E (2012 Guidelines); and

WHEREAS, the RWMG for the Antelope Valley IRWM Region is responsible for the preparation and adoption of an IRWM Plan; and

WHEREAS, the RWMG for the Antelope Valley IRWM Region has developed the 2013 Update to the Antelope Valley IRWM Plan to address the provisions of the 2012 Guidelines; and

WHEREAS, the RWMG solicited and incorporated input from all interested stakeholders in preparation of the 2013 Update to the Antelope Valley IRWM Plan; and

WHEREAS, the adoption of the 2013 Update to the Antelope Valley IRWM Plan will enable participants in the Antelope Valley IRWM to apply for future grant funding under various grant programs including grants from Proposition 84 and Proposition 1E; and

WHEREAS, the adoption of the 2013 Update to the Antelope Valley IRWM Plan is exempt from the California Environmental Quality Act under section 15262 of the guidelines as a project involving only feasibility or planning studies for possible future actions; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Palmdale Water District does hereby:

1. Adopt the 2013 Update to the Antelope Valley Integrated Regional Water Management Plan.

PASSED AND ADOPTED on this 28th day of May, 2014 by the Board of Directors, the governing body of the Palmdale Water District.

PALMDALE WATER DISTRICT

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Kathy Mac Laren,  
President

ATTEST:

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Joe Estes,  
Secretary

**PALMDALE WATER DISTRICT  
BOARD MEMORANDUM**

**DATE:** May 21, 2014 **May 28, 2014**  
**TO:** BOARD OF DIRECTORS **Board Meeting**  
**FROM:** Mr. Dennis D. LaMoreaux, General Manager  
**RE:** *AGENDA ITEM NO. 7.2 – CONSIDERATION AND POSSIBLE ACTION  
ON DISTRICT MEMBERSHIP IN THE ANTELOPE VALLEY  
HISPANIC CHAMBER OF COMMERCE.*

---

**Recommendation:**

Staff and the Outreach Committee recommend joining the Antelope Valley Hispanic Chamber of Commerce in the not-to-exceed amount of \$350.00.

**Alternative Options:**

The alternative is to not join this Chamber.

**Background:**

The District has been a member of the Palmdale Chamber of Commerce for many years. Over the years, other Chambers of Commerce have formed, and membership in these Chambers offers additional opportunities to communicate with our customers.

**Strategic Plan Element:**

This work is part of Strategic Element 5.0 Administrative Management.

**Budget:**

This item is non-budgeted; however, there are funds available under Administration, Memberships and Subscriptions, 1-02-4165-000.

**Supporting Documents:**

- Antelope Valley Hispanic Chamber of Commerce Membership application

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Date/Fecha: 09-Oct-2011

Business Name/Nombre de Negocio:

Business Address/Domicilio de Negocio:

City/Ciudad:

Zip Code/Zona Postal:

Business Telephone/Telefono de Negocio:  Fax:

Contact Name/Nombre de Contacto:

Contact Telephone/Contacto Telefono:

Contact Email/Contacto Correo Electronico:

Alternative Contact/Alternativas de Contacto:

Alternative Telephone/Alternativas de Telefono:

Alternative Contact Email/Alternativas Contacto Correo Electronico:

Preferred Language/Idioma preferido:  English  Spanish

Preferred Contact Method/ Método de contacto preferido:  Phone  Fax  E-Mail  Mail

Would you like to Participate in any of our committees? / Quieres participar en alguna de nuestras comisiones?

- |  |  |                                  |  |
|--|--|----------------------------------|--|
| <input type="radio"/> Ambassador         | <input type="radio"/> Education                | <input type="radio"/> Luncheons  | <input type="radio"/> Nominating       |
| <input type="radio"/> By-Laws            | <input type="radio"/> Festival De las Americas | <input type="radio"/> Membership | <input type="radio"/> Public Relations |
| <input type="radio"/> Cesar Chavez Event | <input type="radio"/> Installation             | <input type="radio"/> Military   | <input type="radio"/> Special Events   |

Economic Development Legislative Newsletter Ways & Means**Business Category & Fees/Categoría negocios & Honorarios**

<input type="radio"/> Individual	(Non-Business Related)	\$ 99.00
<input type="radio"/> Non-Profit	(501 C3 Organization)	\$175.00
<input type="radio"/> Non-Profit	(Standard NPO)	\$150.00
<input type="radio"/> Small Bus.	(0 to 10 Employees)	\$175.00
<input type="radio"/> Mid-Size Bus.	(11 to 25 Employees)	\$250.00
<input type="radio"/> Large Bus.	(26 + Employees)	\$350.00

(Note: There will be a one-time \$25.00 administrative fee for New Members)

**Referred By:**

- Office - Oficina
- Website - Sitio web
- Member - Miembro
- Director
- Event - Evento
- Other - Otros

Please Refer a Friend:

Telephone/Telefono:

AVHCC.org © 2011 [Privacy Policy](#)

**Expand**  
**nextprevious**  
**Close**

**Previous**  
 0/0

**Next**

**PALMDALE WATER DISTRICT  
BOARD MEMORANDUM**

**DATE:** May 21, 2014 **May 28, 2014**  
**TO:** BOARD OF DIRECTORS **Board Meeting**  
**FROM:** Mr. Dennis D. LaMoreaux, General Manager  
**RE:** *AGENDA ITEM NO. 7.3 – CONSIDERATION AND POSSIBLE ACTION  
ON DISTRICT MEMBERSHIP IN THE ANTELOPE VALLEY  
AFRICAN-AMERICAN CHAMBER OF COMMERCE.*

---

**Recommendation:**

Staff and the Outreach Committee recommend joining the Antelope Valley African-American Chamber of Commerce in the not-to-exceed amount of \$450.00.

**Alternative Options:**

The alternative is to not join this Chamber.

**Background:**

The District has been a member of the Palmdale Chamber of Commerce for many years. Over the years, other Chambers of Commerce have formed, and membership in these Chambers offers additional opportunities to communicate with our customers.

**Strategic Plan Element:**

This work is part of Strategic Element 5.0 Administrative Management.

**Budget:**

This item is non-budgeted; however, there are funds available under Administration, Memberships and Subscriptions, 1-02-4165-000.

**Supporting Documents:**

- Antelope Valley African-American Chamber of Commerce Membership application



# Antelope Valley African American Chamber of Commerce Membership Application

## Contact Information

Date: \_\_\_\_\_

Company Name	
Street Address	
City, State, Zip	
Phone & Fax	
E-Mail Address	
Website Address	
Business Category	
Description for Website Listing (35 Characters Max.)	

## Name of Representative(s)

## Title

## E-Mail

Name of Representative(s)	Title	E-Mail

## Payment

The undersigned hereby applies for membership in the A.V. African American Chamber of Commerce and in consideration of this application being approved and accepted, agrees to pay \$\_\_\_\_\_ annually, plus a **one-time \$25 processing fee.**

	Check	Cash	Visa	MasterCard	Discover	Amex
Credit Card #				Exp.:	Zip:	
Signature				Title		
				Check #		

## INVESTMENT STRUCTURE

*Please check one:*

*First time members require a one-time \$25.00 processing fee.*

	1-5 Employees	\$165.00		51-100 Employees	\$450.00
	6-10 Employees	\$210.00		100+ Employees	\$525.00
	11-20 Employees	\$265.00		Non-Profit/Organizations	\$125.00
	21-35 Employees	\$325.00		Individual	\$95.00
	36-50 Employees	\$395.00		Satellite Businesses	\$50.00 ea.

*Restaurants up to 100 seats \$425, over 100 seats \$525. Corporate Level Memberships – please call for information regarding memberships that include dues, sponsorships, advertising and events.*

A.V. A.A. Chamber of Commerce – 3053 Rancho Vista Blvd. Ste. H – Palmdale, CA 93551 – (661) 272-5807 – (661) 272-5854 Fax  
[www.avaacc.org](http://www.avaacc.org) / [info@avaacc.org](mailto:info@avaacc.org)

**WATER EDUCATION FOUNDATION BRIEFING "THE CHALLENGES OF THE 2014 DROUGHT: WATER PROJECT OPERATIONS"**

**June 4, 2014**  
**Sacramento, CA**

**NAME:** \_\_\_\_\_  
\_\_\_\_\_

**ADVANCE REGISTRATION DEADLINE:** \_\_\_\_\_

**MEALS:**     \_\_\_ YES     **SPOUSE:**     \_\_\_ YES     **SPOUSES' TOUR:**     \_\_\_ YES  
              \_\_\_ NO                   \_\_\_ NO                                   \_\_\_ NO

**DEPARTMENTAL TRAVEL BUDGET:**

**REGISTRATION:** \_\_\_\_\_ **TRAVEL:** \_\_\_\_\_  
**TOTAL REMAINING BALANCE:** \_\_\_\_\_

**PROPOSED EXPENSES:**   Registration:            \_\_\_\_\_  
                                  Transportation: \_\_\_\_\_  
                                  Meals:\*                    \_\_\_\_\_  
                                  Miscellaneous:            \_\_\_\_\_  
                                  **TOTAL:**                    \_\_\_\_\_

\*DIRECTORS: Expenses are outlined in Section 4.06.1 of the District's Rules and Regulations.  
\*FOR STAFF: Meal limitations are outlined on pages 30 and 31 of the District's Employee Manual.  
                                  Please review these limitations.

**HOTEL ACCOMMODATIONS:**   \_\_\_ YES   \_\_\_ NO **REGISTRATION DEADLINE:** \_\_\_\_\_  
**ARRIVAL DATE/TIME:** \_\_\_\_\_ **DEPARTURE DATE/TIME:** \_\_\_\_\_

**TYPE OF ACCOMMODATIONS:**   \_\_\_\_\_   **SINGLE (1 PERSON)**  
  \_\_\_\_\_   **DOUBLE (2 PEOPLE)**  
  \_\_\_\_\_   **(2 PEOPLE/2 BEDS)**

**AIRLINE RESERVATIONS:**   \_\_\_ YES   \_\_\_ NO

**DEPART FROM** \_\_\_\_\_ **on** \_\_\_\_\_ **at** \_\_\_\_\_ **AM/PM**  
                                  (airport)                                   (date)                                   (time)

**RETURN FROM** \_\_\_\_\_ **on** \_\_\_\_\_ **at** \_\_\_\_\_ **AM/PM**  
                                  (airport)                                   (date)                                   (time)

**SUPERVISOR APPROVAL:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

SAVE THE DATE FOR THIS  
**FREE BRIEFING**

# The Challenges of the 2014 Drought: Water Project Operations

Sponsored by



WATER EDUCATION  
FOUNDATION

**WEDNESDAY, JUNE 4, 2014**

Sacramento Convention Center  
1400 J Street, Sacramento

2014 is one of California's driest years on record, creating challenging hydrologic conditions for operations of the State and federal projects that move water across the Sacramento-San Joaquin River Delta. These conditions have resulted in greatly reduced allocations to project contractors. Similarly dry hydrologic conditions were last experienced during the 1976-77 drought, a time when the state's population was far below present levels, crop patterns in the San Joaquin Valley were different, and Delta fishery management was focused on striped bass.

Learn about how this drought is affecting water project operations and conditions in the Delta and the actions being taken to balance impacts to cities, farmers, and the environment.

This FREE, one-day briefing is for anyone interested in understanding how this year's extreme hydrology is affecting water project operations, including members of the media, elected officials, legislative aides, water district managers and board members, state and federal agency officials, city and county government officials, farmers, environmentalists, attorneys, consultants, engineers, business executives and public interest groups.

Topics to be addressed include:

- The present drought in comparison to past droughts
- Actions to implement measures in Governor Brown's drought emergency proclamation
- Water project hydrologic and operational constraints
- Expected operational conditions this summer

To register, please return the form to Water Education Foundation,  
717 K Street, Suite 317, Sacramento, CA, 95814 or FAX 916-448-7699

## The Challenges of the 2014 Drought: Water Project Operations

Name(s) \_\_\_\_\_

Job Title(s) \_\_\_\_\_

Association \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

Check-in/registration begins at 8:30 a.m. Complimentary coffee will be served.  
The program runs from 9:15 a.m. to noon and from 1:30 to 3:00 p.m. Lunch is on your own.

Watch the Foundation's website, [www.watereducation.org](http://www.watereducation.org), for more information!





## **Dam Safety 2014 - September 21-25, 2014 San Diego Convention Center, San Diego**

Dam Safety 2014 is one of the leading conferences in the United States dedicated to dam safety engineering and technology transfer.

**Latest News:** [ON-LINE REGISTRATION NOW OPEN!](#) See special page links below for details on:

- Preliminary technical [agenda](#)
- [Extra Activities](#): Baseball Game, Guest Tour, Dine-Around, Field Trip, Golf Outing
- [Poster Presentations](#)
- [Specialty Workshop](#): *Rehabilitation of Embankment Dams for Seepage*

**Attention Speakers, Authors, and Poster Presenters:** See the [PRESENTER'S TOOLBOX](#) page for important resources as you plan for the conference.

### **San Diego and the SDCC**

All events will be held at the award-winning San Diego Convention Center, located just steps from both the Pacific Ocean and the city's vibrant Gaslamp Quarter. San Diego is full of historic, cultural, and outdoor activities, and offers a variety of world-famous attractions, such as the San Diego Zoo, SeaWorld, Balboa Park, and over 70 miles of beautiful beaches. The Convention Center and nearby hotels are just three miles and a ten minute taxi ride from the San Diego International Airport.

### **Overnight Accommodations**

The San Diego Marriott Marquis hotel, located next door to the convention center is offering Dam Safety 2014 attendees deluxe guestrooms at the conference rate of \$199 plus tax per night, single or double occupancy. To receive the discounted rate, visit the custom [Dam Safety 2014 reservations website](#), or call Marriott Reservations at **877-622-3056** and mention the Association of State Dam Safety Officials conference.

**WARNING: Possible Housing Scam.** Unfortunately, it has been brought to our attention that there are companies trying to scam our exhibitors and sponsors with fraudulent hotel bookings. ASDSO is working through the proper channels to stop these scammers, and we express our sincerest apologies to those who have been contacted by one of these entities.

If you are contacted by a company called "Exhibition Housing Management" (EHM, or any other company name), telling you they are the official housing service for the Dam Safety 2014 conference, **please do not do business with them**. The company is in no way affiliated with the Dam Safety 2014 Conference. ASDSO does not have an official travel agent; nor does it utilize a guestroom housing service.

ASDSO does not provide or sell a list of attendee, sponsor, or exhibitor information to any one prior to the conference, including the Marriott. You will not be contacted for a room or travel booking. The only way to reserve a hotel room at the ASDSO group rate is for YOU to initiate contact with Marriott at 877-622-3056, or on-line via the custom reservations link above. Following is a list of known entities and phone numbers reported to be offering scam hotel deals:

- Exhibition Housing Management (EHM) or Exhibition Housing Services (EHS)
- Global Housing
- (800-982-1409), (866-367-4414)
- [documents@rightsignature.com](mailto:documents@rightsignature.com)

Note: ASDSO is financially liable for all contracted rooms at the Marriott Marquis, whether they are all sold or not. This is why we respectfully ask all attendees to book rooms under the ASDSO room block. We work diligently to give all you the best overall experience at the national conference and ask for your continued support. Thank you for passing this along to anyone you think may benefit.

### **Exhibitor Information**

ASDSO's Annual Conference continues to be THE annual event to showcase dam safety in the United States. Don't miss out on your opportunity to network with the over 1050 industry professionals expected to attend.

Our exhibitors asked for more time with attendees and we've responded.

#### ***New for 2014:***

- Over three hours of time devoted exclusive to attendees visiting the exhibit hall.
- Lunch in the exhibit hall on Wednesday.

Reserve your exhibit booth now. Download the [Exhibitor & Sponsor Reservation Kit](#) or select your booth through our [Online Reservation](#) system.

[Click Here](#) to view list of Current Exhibitors.

### **Advertising Opportunities**

Would you like to advertise in the conference program or mobile app? Contact [Maureen Hogle](#) for more details.

**Thank You Sponsors** for your active support of the conference and valuable contributions to the information and technology exchange. To register as a conference sponsor Download the [Sponsor Kit](#) or use our [Online System](#).

Agenda:

**SATURDAY, SEPTEMBER 20**

**SECOND DRAFT: MAY, 2014**

(All times tentative)

11:00 am µ 4:00 pm ASDSO Board of Directors Meeting  
5:30 pm - Saturday Evening Kick-off Event TBA

**SUNDAY, SEPTEMBER 21**

8:00 am µ 6:00 pm Registration Open

Leadership Day (All times tentative)  
9:00 am µ 10:00 am Advisory Committee (AdCom) Meeting  
10:00 am µ 12:30 pm Regional Caucus Meetings  
12:30 pm µ 2:00 pm Lunch and the Annual Business Meeting

**MONDAY, SEPTEMBER 22**

7:00 am µ 8:00 pm Speaker Preview Room Open

7:00 am µ 6:00 pm Registration Open

8:00 am µ 3:00 pm Exhibit Setup

8:30 am µ 10:00 am **Opening General Session**

*Welcome Remarks*  
Speaker TBA

*ASDSO Report*

D. Thomas Woosley, P.E., ASDSO President, Safe Dams Program Manager, Georgia Department of Water Resources

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California is dependent on complex water systems that serve most of its 38 million people. The State relies heavily on water stored during the winter and spring runoff months, since there is little summer precipitation. There are several major interconnected systems that have the potential to be interrupted from natural scenarios including earthquakes, droughts and floods, which could have a devastating effect on the population. Several agencies have prepared plans to address these risks. Officials from around the State will describe some of the steps taken and projects constructed over the last few decades to prepare for water supply emergencies and will describe unique conservation measures that have been taken.

Speakers will represent the perspectives of the State of California, the Metropolitan Water District, the San Diego Z dnu# rxqw# dxwkrulw# dg#kh# l# #i#vq#G l#jr#S

10:30 am µ 12:00 pm **Concurrent Session One: Soapbox: Risk in the Regulatory Environment µ Interest and Impediments**

*Exploring the Role of Risk Assessment in Dam Safety Regulation*

David S. Bowles, P.E., P.H., RAC Engineers & Economists and Utah State University

10:30 am - 12:00 pm      **Concurrent Session Two: Hydrology**  
Moderated by: Douglas Johnson, P.E., Federal Energy Regulatory Commission

*Runoff Prediction Based on a Variable Time of Concentration*  
W. Daniel Meyersohn, Ph.D., P.E., Supervising Engineer, California Division of Safety of Dams

*Forecasting Discharge in the Boise River above Lucky Peak Dam Using a Soil Moisture Accounting Method*  
Kevin R. Jensen and E. George Robison, Ph.D., P.E. D.WRE, Senior Project Manager; McMillen, LLC

*Simulation and Calibration of Snowmelt Contribution to the Cool Season PMF*  
Richard J. Tucker, P.E., President, RJ Associates LLC; Michael Pelletier, P.E., Project Manager, Brookfield Renewable Energy Group; and Barry D. Keim, Ph.D., Louisiana State Climatologist, Louisiana State University

10:30 am - 12:00 pm      **Concurrent Session Three: Gnarly Dams**  
Moderated by: Stephen L. Whiteside, P.E., CDM Smith

*Reconstructing the Minidoka Spillway*  
Brandt Demars, P.E., Manager, PN Region Construction, Bureau of Reclamation

*Design-Build Construction of the Panama Canal Borinquen Dams 1W, 2W, and 2E*  
Chris Ottsen, P.E., M.S., Geotechnical Lead of the Third Set of Locks Panama Canal Expansion; Gabriel Martinez, Pacific Site Field Geotechnical Lead of the Third Set of Locks Panama Canal Expansion; and Wonnie Kim, P.E., M.S., Senior Geotechnical Engineer, MWH Americas, Inc.

*Commissioning and Reservoir Filling for San Vicente Dam Raise*  
Frank Collins, P.E., Project Manager; and Aaron Trimm, P.E., Construction Engineer, Parsons, Inc.; Kelly Rodgers, P.E., Principal Engineer; and Andrew Oleksyn, P.E., Construction Administrator, San Diego County Water Authority; and Yana Balotski, P.E., Associate Engineer, City of San Diego

10:30 am - 12:00 pm      **Concurrent Session Four: Analysis Methods**  
Moderated by: Stephen L. Whiteside, P.E., CDM Smith

*Multi-stage rapid drawdown analysis using the finite element method*  
Daniel R. VandenBerge, P.E., Ph.D. Candidate; and Thomas L. Brandon, Ph.D., Associate Professor, Virginia Tech

*Flow Nets - Old School or Cool Tool?*  
John W. France, P.E., Vice President; and Amanda L. Duvigneaud, P.E., Geotechnical Engineer, URS Corporation

*REV and Exit Gradients - Using the Representative Elementary Volume to Improve the Calculation of Exit Gradients in Dam and Levee Safety Evaluations*  
James Olsen, Project Engineer; A. Tom MacDougall, P.E., Project Manager; and Robert J. Huzjak, P.E., President, RJH Consultants, Inc.

1:30 pm - 3:00 pm      **Concurrent Session One: Decade Dam Failures Part I**  
Moderated by: Lee Mauney, Bureau of Reclamation

*150<sup>th</sup> Anniversary of Dale Dyke Dam Failure (England)*  
Jonathan Garton, P.E., Dam Safety Engineer, Iowa Department of Natural Resources

*140<sup>th</sup> Anniversary of Williamsburg Reservoir Dam (Massachusetts)*  
R. Lee Wooten, P.E., Principal, GEI Consultants, Inc.; Peter Spangenberg, P.E., Dam Safety Engineer, Connecticut Department of Environmental Protection, Dam Safety Program; William C. Salomaa, Director, Office of Dam Safety, and Michael D. Misslin, Acting Chief Engineer, Massachusetts Department of Conservation and Recreation

*100<sup>th</sup> Anniversary of Hatchtown Dam (Utah)*

Robert A. Clay, P.E., Civil Engineer, Missouri Department of Natural Resources

1:30 pm μ 3:00 pm            **Concurrent Session Two: 2D-3D**

Moderated by Krisin J. Ray, P.E., Kimley-Horn and Associates, Inc.

*Modeling the St. Francis Dam break Flood with 2-D Shallow Water, 3-D, and Hybrid CFD Methods*

Jeff Burnham, P.E., LEED AP; and John Wendelbo, Engineer, Flow Science, Inc.

*2D Inundation Mapping and Beyond: Increasing Dam Safety through Innovative Mapping Products*

Joseph T. Smith, Morrison-Maierle, Inc.

*Numerical Modeling Techniques for Dam Breach Inundation Studies*

Brian M. Crookston, Ph.D., P.E., Project Engineer; and Paul I. Welle, P.E., Senior Consultant, Schnabel Engineering

1:30 pm μ 3:00 pm            **Concurrent Session Three: Dam Removals**

Moderated by Tom Hepler, Schnabel Engineering

*Completing the Largest Dam Removal Project in the United States: Elwha and Glines Canyon Dams Removal*

Monica Norval, Project Manager & Civil Engineer, National Park Service

*Condit Dam Removal: Changes to the Landscape and Fluvial Dynamics of the White Salmon Three Years after the Breach*

Stephen Caruana, Kleinfelder, Inc.

*Geomorphic Monitoring of the Patapsco River Following the Removal of the Simkins Dam, Patapsco River, Maryland*

Graham C. Boardman, Environmental Scientist, McCormick Taylor, Inc.; Mary Andrews and Mathias Collins, NOAA Restoration Center ; and Serena McClain, American Rivers

3:00 pm μ 5:30 pm            **Special Activities in the Exhibit Hall**

5:30 pm μ 6:30 pm            **Welcome Reception**

## **TUESDAY, SEPTEMBER 23**

7:00 am μ 8:00 pm            **Speaker Preview Room Open**

7:00 am μ 6:00 pm            **Registration Open**

8:30 am μ 10:00 am          **General Session: 2013 Colorado Floods**

*The Overall Experience*

Bill McCormick, P.E., P.G, Chief, Dam Safety Branch, Colorado Division of Water Resources

*The Response: Part 1 - Getting Our Bearings*

Kallie Bauer, et al

*The Response: Part 2 - Quantifying the Damage & Mobilizing a Volunteer Inspection Force*

Jeremy Franz, et al

*Communication Challenges & Demands*

Bill McCormick, et al

*Coordination with the Emergency Management Community*  
Erin Gleason, et al

*Big Elk Meadows Dam Failure Situational Response*  
John H. Batka, et al

*A Near-Miss Averted*  
Ryan Schoolmeesters, et al

*Emergency Actions Utilized to Save Aspen Lodge Dam*  
Mark A. Perry

10:30 am - 12:00 pm      **Concurrent Session One: Risk-Federal Guidelines**  
Moderated by Dean Durkee, P.E., Ph.D., Gannett Fleming, Inc.

*Loss Due to Dam Failure*  
Bruce Feinberg, P.E., Hydraulic Engineer; William Engemoen, Senior Geotechnical Engineer; William Fiedler, Senior Civil Engineer; and Dan Osmun, P.E., Senior Geotechnical Engineer, Bureau of Reclamation

*Federal Guidelines for Dam Safety Risk Management*  
Nathan Snorteland, P.E., Director, Risk Management Center, US Army Corps of Engineers; Brian Becker, Chief, Dam Safety Office, Bureau of Reclamation; Pat Regan, Supervisory Civil Engineer, Federal Energy Regulatory Commission; and George Kelley, P.E., SECB, F.ASCE, Tennessee Valley Authority

*Informed Decision Making Status Report*  
Eric Gross, Senior Civil Engineer; David Lord, Senior Civil Engineer; and Patrick Regan, Supervisory Civil Engineer, Federal Energy Regulatory Commission

10:30 am - 12:00 pm      **Concurrent Session Two: Labyrinth Spillways**  
Moderated by Laura A. LaRiviere, P.E., Kleinfelder

*Labyrinth and Piano Key Weirs, Perspectives and Case Histories from the USA and France*  
Greg Paxson, P.E., Principal, Schnabel Engineering; and Frederic Laugier, EDF

*Potential Flooding Impacts Due to Spillway Rehabilitation*  
Mitch R. Dabbling, Graduate Researcher; and Blake P. Tullis, Ph.D., Associate Professor, Utah State University; and Brian M. Crookston, Ph.D., P.E., Project Engineer, Schnabel Engineering

*Win-Win Solutions*  
Stephen Jamieson, P.E., Principal, W. W. Wheeler and Associates, Inc.; William Zawacki, P.E., Hydro Manager; and Bruce Cotie, Plant Manager, Xcel Energy

10:30 am - 12:00 pm      **Concurrent Session Three: Case Studies Grab-N-Go**  
Moderated by Jason C. Hoover, P.E., Nicholson Construction Company

*Facelift for the Future: Facility Planning, Design, & Implementation of Improvements to The Metropolitan*  
Peter H. Baril, Principal/Senior Hydrologic Engineer, GZA GeoEnvironmental, Inc.

*Lessons from Cofferdams in Internal Erosion and Overtopping*  
Douglas Chitwood, Geotechnical Specialist, US Army Corps of Engineers

*Flash Flood Problems Before, During, and After Rehabilitation of Wide Hollow Dam*  
Eric R. Dixon, P.E., Senior Engineer, Utah Division of Water Resources; Layne Jensen, P.E., Senior Manager, and Chad Brown, P.E., Senior Engineer, Franson Civil Engineers

*Lake Ladore Dam Repairs and Improvements* μ Εwkuhh#G dp #Z urqjv#G r#D rW# dn#B#G dp #Ujkwš  
James P. Guarente, P.E., Senior Project Manager; and Charles B. Nourse, P.E., Engineer I, GZA GeoEnvironmental, Inc.

*Low Hazard, High Hazard, What Hazard???* *The Saga of the Lake Mills Dam*  
Warren S. Hayden, P.E., Senior Project Engineer; and Nick Hathaway, Water Resources Engineer, Mead & Hunt

*Unusual Deformation of Ritschard Dam near Kremmling, Colorado* μ *How Much Is Too Much?*  
Don Meyer, P.E., Senior Water Resources Engineer; and Ray Tenney, P.E., Senior Water Resources Engineer, Colorado River Water Conservation District

10:30 am μ 12:00 pm      **Concurrent Session Four: Material Characteristics (Seismic?)**  
Moderated by Gregg W. Hudock, P.E., Golder Associates, Inc.

*Effect of Mineralogy on the Post-Earthquake Shear Strength of Clay-Like Materials*  
Beena Ajmera, E.I.T, NSF Graduate Research Fellow and Charles E. Via Doctoral Fellow; and Thomas Brandon, Ph.D., Associate Professor, Virginia Polytechnic Institute and State University; and Binod Tiwari, Ph.D., Associate Professor, California State University, Fullerton

*A New Instrumented Becker Penetration Test (iBPT) for Improved Characterization of Gravelly Deposits Within and Underlying Dams*  
Jason DeJong, Professor; Mason Ghafghazi; and Alex Sturm, Department of Civil and Environmental Engineering, University of California Davis; Richard Armstrong, California Division of Safety of Dams; and Alex Pierce and Craig Davis, Los Angeles Department of Water and Power

*Centrifuge Experiments to Evaluate the Seismic Performance of Levees on Peaty Soils in the Sacramento-San Joaquin Delta*  
Riccardo Cappa, Ph.D. Candidate; and Anne Lemnitzer, Assistant Professor, University of California at Irvine; Samuel Yniesta; and Scott J. Brandenburg, Associate Professor, University of California at Los Angeles

1:30 pm μ 3:00 pm      **Concurrent Session One: Decade Dam Failures Part II**  
Moderated by R. Lee Wooten, P.E., GEI Consultants, Inc.

*90<sup>th</sup> Anniversary of Palmertown Muck Dam Failure (Virginia)*  
Thomas I. Roberts, P.E., C.F.M., Regional Dam Safety Engineer, Virginia Department of Conservation and Recreation

*50<sup>th</sup> Anniversary of Swift Dam Failure (Montana)*  
Lee Mauney, Bureau of Reclamation; and Mark E. Baker, P.E., Civil Engineer, National Park Service

*50<sup>th</sup> Anniversary of Hell Hole Dam (California)*  
Scott M. Arends, P.E., Water Resources Engineer, Hanson Professional Services, Inc.

*10<sup>th</sup> Anniversary of Camara Dam (Brazil)*  
Thomas I. Roberts, P.E., C.F.M., Regional Dam Safety Engineer, Virginia Department of Conservation and Recreation; Lucas Trumble, Dam Safety Engineer; and Mario Fusco, Jr., Environmental Engineer, Michigan Department of Environmental Quality

1:30 pm μ 3:00 pm      **Concurrent Session Two: Breach Parameters**  
Moderated by Jeffrey Powers, P.E., ARCADIS

*Obtaining Reasonable Breach Hydrographs Based on Breach Parameter Estimates from Regression Methods*  
David S. Bowles, P.E., P.H., RAC Engineers & Economists and Utah State University; Yao Xu, China Institute of Water Resources and Hydropower Research; Joseph L. Ehasz, URS Corporation; Jean-Louis Briaud, Texas A&M University; and Chris Ey, P.E., HDR Engineering, Inc.

*Where Will the Flow Go? Using 2D Dambreak Inundation Videos and Other Media to Enhance EAP Exercises*  
Joseph Bell, E.I.T., Project Specialist; and Paul G. Schweiger, P.E., CFM, Vice President, Gannett Fleming, Inc.;  
Brad Iarossi, P.E., Chief of Dam Safety; and Constantine Pappas, Civil Engineer, US Fish & Wildlife Service

*Location! Location!! Location!!! Where do you breach a 5-Mile long embankment? 2D Dam Breach Analysis of a mammoth-sized Upland Reservoir for an EAP*

Benjamin Israel Devadason, Hydraulic and Hydrologic Engineer, Gannett Fleming, Inc.

1:30 pm μ 3:00 pm      **Concurrent Session Three: Seismic Issues**  
Moderator TBA

*Seismic Performance of Levees During the Tohoku Earthquake*  
Daniel Pradel, Chief Engineer, University of California-Los Angeles

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Richard Millet, P.E., G.E., Vice President and Levee Evaluations Program Manager; Khaled Chowdhury, P.E., G.E., Project Manager; Erik Julian, P.E., Senior Staff Engineer; and Robert Green, P.E., G.E., Principal Engineer, URS Corporation; Ray Seed, Ph.D., P.E., Professor, University of California Berkeley; Ariya Balakrishnan, Ph.D., P.E., CA Department of Water Resources; and Vlad Perlea, Ph.D., P.E., US Army Corps of Engineers

*A.W. Watkins Dam μ A Risk Neutral Dam Raise With Potential Future Risk Reduction*  
Tiffany Adams, Geotechnical Project Engineer; and John France, P.E, Vice President, URS Corporation; Mark D. Anderson; Bruce C. Barrett; and Jonathan F. Parry, Weber Basin Water Conservancy District; and Greg Eddy, Bureau of Reclamation

3:30 pm μ 5:00 pm      **Concurrent Session One: Colorado Potpourri**  
Moderated by Bill Kappel, Applied Weather Associates

*Dodging a Bullet: Lily Lake Dam and the 2013 Colorado Flood*  
Mark E. Baker, P.E., Dam Safety Officer, National Park Service

*Colorado 2013 Flooding: Five Small Dam Failures and Replacement Designs*  
Nicholas Miller, Project Manager, GEI Consultants, Inc.

*Left Hand Creek Shows Its Power During the Great Front Range Flood of 2013*  
Richard Tocher, Principal Engineer; and L. Clint Brown, P.E., Project Engineer, Engineering Analytics, Inc.

3:30 pm μ 5:00 pm      **Concurrent Session Two: Spillways**  
Moderated by Warren S. Hayden, P.E., Mead & Hunt

*Unique Response to Renwick Dam Meteorological Event (A Good Dam Goes Bad)*  
Dennis W. Reep, Water Resources Business Class Leader, HDR Engineering, Inc.; and James T. Fay, Chief, Investigations Section, ND State Water Commission

*Arundell Barranca Dam Emergency Spillway μ Will the True Capacity Please Step Forward*  
Brian Hughes, M.S., P.Eng, Principal; Darren Hinton, P.E., Ph.D., Engineer; and Ed Wallace, M.S., P.E., Principal, Northwest Hydraulic Consultants; and Peter Sheydayi, P.E., D.WRE, Deputy Director, Ventura County Watershed Protection District

*Spillway Modification to Address Potential Failure Mode*  
John C. Stoessel, P.E., Senior Engineer, Southern California Edison

3:30 pm μ 5:00 pm      **Concurrent Session Three: Seepage Monitoring and Instrumentation**  
Moderated by A. Tom MacDougall, P.E., RJH Consultants, Inc.

*Using Piezometers to Predict Extreme Conditions at Dams*

Benjamin C. Doerge, P.E., G.E., Geotechnical Engineer, USDA  $\mu$  Natural Resources Conservation Service

*Improvements in Canal Embankments and Levees' Surveillance*

Jean-Robert Courivaud, Electricite de France

*Evaluating the Hydraulic Interconnection of Boils at Hardy Dam*

Bethany Erfourth, Geotechnical Engineer; and Ivan Contreras, Ph.D., P.E., Senior Geotechnical Engineer, Barr Engineering; and Adam Monroe, Dam Safety Engineer, Consumers Energy Company

3:30 pm  $\mu$  5:00 pm

**Concurrent Session Four: Levees and Canals**

Moderated by Mark Haddock, P.E., Golder Associates, Inc.

*When Your Levee Cannot be Accredited, then what....*

Maureen P. Cissel, Project Manager; and Kurt A Miller, P.E., Associate, McCormick Taylor

*Effects of Woody Vegetation on Levee Integrity During Full Scale Testing at Twitchell Island in Rio Vista, California*

Michelle Shriro, P.E., G.E., Senior Geotechnical Engineer, GEI Consultants; Diego Cobos-Roa, Geotechnical Engineer, Golder Associates; Jonathan Bray, Ph.D., P.E., Professor; and Nicholas Sitar, Ph.D., Professor, University of California - Berkeley

*Examination and Risk Screening of Lower 23 Miles of Chesapeake and Ohio Canal*

Elena Sossenkina, P.E., National Technical Advisor, Geotechnical Risk, HDR Engineering, Inc.; and Mark E. Baker, P.E., National Park Service

5:00 pm  $\mu$  6:00 pm

Reception in the Exhibit Hall

6:00 pm  $\mu$  8:00 pm

Annual Awards Banquet

**WEDNESDAY, SEPTEMBER 24**

7:00 am  $\mu$  4:00 pm

Speaker Preview Room Open

7:00 am  $\mu$  4:00 pm

Registration Open

8:30 am  $\mu$  10:00 am

**Concurrent Session One: Consequences, Vulnerability and Emergency Response**

Moderated by Keith M. Thole, P.E., US Army Corps of Engineers

*Potentials for use of Social Vulnerability Assessments to Aide Decision Making for the Colorado Dam Safety Branch*

Laura E. Ferre, Graduate Student; and Deborah S.K. Thomas, Associate Professor, University of Colorado Denver; and Bill McCormick, P.E., P.G., Chief of Dam Safety, CO Division of Water Resources

*Return to Malpasset: Using the Life Safety Model to Assess the Effectiveness of Community Evacuation Plans*

William Johnstone, Ph.D., P.E., Principal Consultant, Spatial Vision Group, Inc.; and Morgan Garrett, P.E., Senior Engineer, Hydrotechnical, BC Hydro

*Saving Lives with Technology - Predicting and Communicating Hazardous Flooding in Advance with an Early Warning System*

Lex Kamstra, Civil Engineer, Bureau of Reclamation

Calgary June 2013 Extreme Rainfall and Comparisons to Similar Rainfall Events and Probable Maximum

8:30 am to 10:00 am      **Concurrent Session Two: Overtopping**  
Moderated by Randall P. Bass, P.E., Schnabel Engineering

*Lessons Learned in the Past Ten Years Regarding the Performance of RCC Used for Overtopping Protection and Spillways*

Kenneth D. Hansen, P.E., Consulting Engineer; and Thomas J. Fitzgerald, P.E., Senior Associate, Schnabel Engineering

*Full-Scale Testing of Concrete-Enhanced Synthetic Turf Revetment Systems for Dam Spillway and Levee Overtopping Protection*

Bradford Cooley, P.E., Vice President of Civil Applications, Watershed Geosynthetics, LLC; Christopher Thornton, Ph.D., P.E., Director; Steven Hughes, Ph.D., P.E., Senior Research Scientist; and Bryan Scholl, Hydraulics Laboratory Manager and Ph.D. Candidate, Colorado State University Engineering Research Center

*Lessons Learned from Laboratory Jet Erosion Testing of Undisturbed Samples*

Bryant Robbins, Research Civil Engineer; and Johannes Wibowo, Ph.D., Senior Research Civil Engineer, US Army Corps of Engineers

8:30 am to 10:00 am      **Concurrent Session Three: Case Studies in Dam Construction and Rehab**  
Moderated by Elizabeth Herzog, P.E., Schnabel Engineering

*Post-Construction Quality Assurance Testing for RCC at the San Vicente Dam Raise Project*

Michael F. Rogers, P.E., Project Manager, MWH Americas, Inc.; Jim McClain, P.E., Resident Construction Manager, Black & Veatch Corporation; Tom Reynoldson, P.E., Senior Construction Manager, Kleinfelder, Inc.; Jerry E. Reed, P.E., Engineering Manager; Wade Griffiths, P.E., Lead Construction Administrator; and Jim Zhou, P.E., Design Manager, San Diego County Water Authority; and Anna Kolakowski, P.E., Area Engineer, CA Department of Water Resources

*Raising Cardinal Dam Using a Unique Double-Sided MSE Wall System*

Michael G. Rowland, P.E., Senior Engineer, S&ME, Inc.; and Doug Evans, P.E., Project Manager, Ohio Department of Natural Resources

*Manderfield Dam, Dam Safety Remediation*

Jacob Price, P.E., Resident Engineer; Bradford E. Price, P.E., Principal and President; S. Robert Johnson, P.E., Senior Design Engineer; and Brand D. Horrocks, P.E., Design Engineer, RB&G Engineering; and Everett Taylor, P.E., Civil Engineer, Utah Division of Water Rights, Dam Safety.

8:30 am to 10:00 am      **Concurrent Session Four: EAP Development and Incident Reporting Using the Dams Sector Analysis Tool (DSAT)**  
Moderator TBA

*A Web-Based Tool for Development and Dissemination of Emergency Action Plans*  
Yazmin Seda-Senabria, et al.

*Mining the Significant Incident Reporting Database*

Mark Ogden, P.E., Project Manager, Association of State Dam Safety Officials; Alon Dominitz, P.E., Chief, NY Department of Environmental Conservation; Warren Harris, P.E., Vice President of Dam Safety, CHA, Inc.; and David Imbrogno, Student, The Ohio State University

Additional topics and speakers TBA

10:30 am μ 12:00 pm      **Concurrent Session One: Risk**  
Moderated by Gregory Zamensky, P.E., Black & Veatch Corporation

*Risk. What's In It For Me?*

Guy S. Lund, P.E., Principal Civil/Structural Engineer, URS Corporation; and Fill Christman, Principal Civil Engineer, Chelan Public Utility District

*CPW Screening Level Risk Analysis Completed by Consultant, Owner, Regulator*

John Clark, Dam Operations Manager, Colorado Parks and Wildlife; William McCormick, P.E., P.G., Colorado Dam Safety Chief, Colorado Division of Water Resources; and Vicki Scharnhorst, Operations Manager, Tetra Tech, Inc.

*Development Of A Risk-Informed Approach To The Seismic Evaluation Of Hydropower Projects μ Methodology and Lessons Learned*

Martin W. McCann, Jr., Professor, Stanford University

10:30 am μ 12:00 pm      **Concurrent Session Two: Case Studies**

Moderated by Vik Iso-Ahola, P.E., MWH Americans

*East Branch Dam μ 1957 Internal Erosion Incident*

Dean B. Durkee, Ph.D., P.E., Vice President, Gannett Fleming, Inc.; and Chris Kabala, Project Manager, City of Tempe

*East Branch Dam μ 1957 Internal Erosion Incident*

Sarah Missenda, Project Engineer; and Greg Hensley, Lead Engineer, US Army Corps of Engineers

*The Montello Dam Reconstruction - Maintaining History and Improving Dam Safety*

James Botz, P.E., Senior Associate; and Martin Kemps, P.E., Project Engineer, Mead & Hunt

10:30 am μ 12:00 pm      **Concurrent Session Three: What the Heck Should be in My Spec?**

Jennifer Williams, P.E., Project Manager; John France, P.E., Vice President; and Jason Boomer, P.E., Project Manager, URS; Michele Lemieux, P.E., Dam Safety Program Manager, MT Department of Natural Resources and Conservation; and Darren Brinker, P.E., Dam Safety Supervisor, Denver Water

10:30 am μ 12:00 pm      **Concurrent Session Four: Security and Information Sharing**

Moderator TBA

Topics and Speakers TBA

1:30 pm μ 3:00 pm      **Concurrent Session One: Soapbox: Bigger Questions Arising From the Big Bay Dam Failure**

Moderated by Dusty Myers, P.E., Mississippi Department of Environmental Quality

The presenters will provide a discussion of the factors that led to the failure of Big Bay Dam to stimulate a broader discussion with the audience of lessons learned and illustrate challenges facing State Dam Safety Programs.

*A Re-examination of the Physical Causes of the Failure*

Dusty Myers, P.E., Chief of the Dam Safety Division, Mississippi Department of Environmental Quality

*A Re-examination of the Physical Causes of the Failure*

Keith Ferguson, et al

*Human Factors Contributing to the Failure*

Irfan Alvi, P.E., President, Alvi Associates

1:30 pm µ 3:00 pm      **Concurrent Session Two: Hydraulic Modeling**  
Moderated by Joshua K. Myers, P.E., Golder Associates

*Evaluation of Time-Varying Overflow on Grass-Covered Levees and Embankments*

Christopher Thornton, Ph.D., P.E., Director; and Steven Hughes, Ph.D., P.E., Senior Research Scientist, Colorado State University Engineering Research Center

*Mitigation of Stilling Basin Abrasion Damage*

Leslie Jean Hanna, Senior Hydraulic Engineer, Bureau of Reclamation

*Investigation of Weir Nappe Vibration: Causes and Countermeasures*

Aaron A. Anderson, Graduate Researcher; and Blake P. Tullis, Ph.D., Associate Professor, Utah State University; and Brian M. Crookston, Ph.D., P.E., Project Engineer, Schnabel Engineering

1:30 pm µ 3:00 pm      **Concurrent Session Three: Owner and Regulatory Issues**  
Moderated by Joseph R. Kula, P.E., URS Corporation

*DIRT for Dam Owners: Promoting Professional Leadership of Dam Safety Awareness*

Brian W. McKenna, P.E., CFM, Director, Design Engineering, Christopher B. Burke Engineer, LLC; and Kenneth E. Smith, P.E., Assistant Director, Division of Water, Indiana Department of Natural Resources

*Recent Dam Safety Innovations: Dam Dragnet, Dam First Aid, Dam Watch, & Simplified Inundation Mapping, in the Virginia DCR Dam Safety & Floodplain Management Program*

Robert Bennett, P.E., R.A., CFM, Division Director, VA Department of Conservation & Recreation

*Prioritizing Dam Repairs*

Bryce Mochrie, Senior Principal Engineer; and Jesse Kropelnicki, Lead Engineer, Parsons Brinckerhoff; and Ted Rineer, Project Engineer, Safe Harbor Water Power Corporation

3:30 pm µ 6:00 pm      Exhibit Dismantle

3:30 pm µ 5:00 pm      **Concurrent Session One: Conveying Lessons Learned from Dam Incidents and Failures**

Gregory Richards, P.E., CFM, H&H Engineer; Paul Schweiger, P.E., CFM, Vice President; Dean Durkee, Ph.D., P.E., Vice President; Robert Kline, P.E., Engineering Manager; and Amanda Hess, P.E., CFM, H&H Group Manager, Gannett Fleming, Inc.; James Demby, P.E., Senior Technical and Policy Advisor, Federal Emergency Management Agency; Arthur C. Miller, Ph.D., P.E., CFM, Science Practice Leader, AECOM; and Martin McCann, Ph.D., P.E., Director, National Performance of Dams Program

3:30 pm µ 5:00 pm      **Concurrent Session Two: Site Specific PMP**  
Moderated Peter H. Baril, P.E., GZA GeoEnvironmental, Inc.

*Site Specific Probable Maximum Precipitation or just a lot of hogwash? A Review of a Site Specific Probable Maximum Flood Study in California*

Robert Finucane, P.E.

*Combine: Precipitation (PMP) along the Rocky Mountain Front Range and The Colorado September Extreme Rainfall Analysis and Model Calibrations*

Bill Kappel, President; Doug Hulstrand; and Geoff Muhlestein, Applied Weather Associates

*Screening Level Methods for Estimating HMR PMP Values in California*

John Onderdonk, Senior Civil Engineer, Federal Energy Regulatory Commission

3:30 pm μ 5:00 pm      **Concurrent Session Three: Seepage**  
Moderated by Douglas M. Yadon, P.E., AECOM

*Bedrock Seepage Required Surgery - Boney Falls Dam*  
Michael Carpenter, P.E., Project Manager, GEI Consultants, Inc.

*A Simplified Approach for Three Dimensional Seepage Evaluation of Levees*  
Khaled Chowdhury, P.E., G.E., Project Manager; Jim Zhang, Ph.D., P.E., Principal Hydrogeologist/Groundwater Modeling Leader; Gueong-Taek Hong, Ph.D., P.E., Senior Staff Engineer; Sujan Punyamurthula, Ph.D., P.E., Vice President and Office Manager; and Richard Millet, P.E., G.E., Vice President and Levee Evaluations Program Manager, URS Corporation

*Evaluating the Effectiveness of a Seepage Cutoff Wall in a Karst Environment: A Case Study from Wolf Creek Dam*  
Joshua Alan Bomar, Geological Engineer, US Army Corps of Engineers

#### **THURSDAY**

Field Trips and Extra Activities μ Separate registration required.

8:00 am μ 5:00 pm      **Workshop: Rehabilitation of Embankment Dams for Seepage**  
Mark Pabst, P.E, Geotechnical Engineering - Senior Technical Specialist, US Army Corps of Engineers; and John W. France, P.E., URS Corp.

**Field Trip TBA**

## [Extra Activities:](#)

### **San Diego Padres Baseball Game**

Join us as we kick off Dam Safety 14 with a group outing to PETCO Park to see the Padres v. in-state rivals, the San Francisco Giants. PETCO Park opened in downtown San Diego in 2004 and immediately became known as one of the “world’s best” ballparks. It offers stunning views of San Diego bay and the city skyline and state of the art fan amenities. Meet at 5:00 pm in the lobby of the Marriott Marquis to pick up your ticket package.

**Saturday, September 20.** Game time is 5:40 pm. Transportation to the ballpark is on your own, but we will provide walking maps and easy instructions for getting to the game. Ticket cost: \$55 per person, which includes \$15 Friar Funds gift card for snacks and beverages.

### **Guest Tour to the Historic San Juan Capistrano Mission**

Sign up for this sight-seeing tour featuring one of southern California’s most beloved cultural treasures! Start the day with a scenic drive from downtown San Diego up the pacific coastline to San Juan Capistrano, Orange County’s oldest city, and home of the beautiful Mission San Juan Capistrano. The Mission, one of the most picturesque places in California, has the distinction of being home to the oldest building in California still in use, a chapel built in 1782. Today, the mission compound serves as a museum, with the Serra Chapel serving as a chapel for the mission parish.

After the tour, guests will enjoy lunch at the nearby El Adobe restaurant, which is proudly recognized as a California State Historical Landmark and known for its garden and wedding chapel, antique-filled interior and inspired Mexican-cuisine.

**Monday, September 22, 9:00 am – 4:00 pm.** Fee \$75 includes deluxe motorcoach transportation, guided mission tour, lunch, all taxes and gratuities. Please wear comfortable walking shoes and bring a rain jacket and your camera.

### **Dine-Around**

Take advantage of this opportunity to enjoy lunch while networking and meeting new people! ASDSO is making reservations at some of the local eateries for our annual Dam Safety Dine-Around. Sign up in the morning in the registration area to claim a seat at your restaurant of choice, and we’ll make sure there’s a table waiting for you and some of your fellow Dam Safety attendees. This is a great way to extend your networking outside of the scheduled conference sessions -- and because anyone can sign up to dine at any restaurant, you never know who you might be seated with.

We’re reserving a limited number of tables, so sign up early if you want to participate. We’ll take the stress out of where to go and what to do ... and leave the networking to you. This is an “ASDSO organized,” event folks, not ASDSO sponsored. We’ll make sure you have a seat, but lunch is on you!

**Monday, September 22, 12:00 pm-1:30 pm**

## **Field Trip to San Diego Water Projects**

### Olivenhain Dam and Reservoir and San Vicente Dam Raise Projects

The San Diego County Water Authority's Olivenhain Dam and Reservoir and the San Vicente Dam Raise projects are important investments for the future reliability of San Diego County's water supply. Both projects are part of the Emergency Storage Project, a system of reservoirs, interconnected pipelines, and pumping stations designed to make water available to the San Diego region in the event of an interruption in imported water deliveries.

The Olivenhain Dam and Reservoir project was completed in summer 2003. The dam, constructed of roller compacted concrete, stands at 318 feet high and the reservoir has a storage capacity of 24,000 acre-feet of water – enough water for a year for 50,000 families of four. Water stored in the reservoir will be reserved for emergency use throughout the county,

San Vicente Dam originally stood at 220 feet and could store up to 90,000 acre-feet of water. The dam raise project has increased the height of the dam by 117 feet to a new height of 337 feet – the tallest dam raise in the United States and the tallest of its type in the world. The expanded reservoir will store up to an additional 152,000 acre-feet of water, more than doubling the capacity of the original reservoir.

### Water Purification Demonstration Project

In 2009, the City of San Diego embarked on a demonstration project to examine the use of advanced water purification technology to provide safe and reliable water for San Diego's future. The Water Purification Demonstration Project has evaluated the feasibility of a full-scale reservoir augmentation project, which would diversify San Diego's water supply, reduce its dependence on imported water and provide a reliable, local drinking water supply for residents.

The project's operational testing and monitoring verified the water purification process consistently produces water that meets all regulatory requirements and is similar in quality to distilled water. For more detailed information, a series of reports revealing all of the project's findings is available online for review. Although the initial studies are complete, the Demonstration Project continues to perform public outreach activities.

**Thursday, September 25**, 8:30 am – 4:00 pm. Cost: \$75 per person includes guided facility tours, motorcoach transportation, box lunch and beverages.

### **Golf Outing: Torrey Pines**

Located in La Jolla California, Torrey Pines Golf Course sits on the coastal cliffs overlooking the Pacific Ocean and is recognized as the premier municipal golf course owned and operated by a city. It is named after the Torrey Pine, a rare tree that grows in the wild only along this local stretch of the coastline in San Diego County and on Santa Rosa Island. It offers two picturesque and widely recognizable championship 18-hole golf courses. Torrey Pines is surely the most accessible public facility for the die-hard enthusiast wishing to play at a world-renown facility that nearly all golfers know by name.

**Thursday, September 25**, 8:00 am – 3:00 pm. Cost \$199 per person, includes green fees and cart. Transportation is on your own. Club rental (\$60) available upon arrival at the course.

**Poster Presentations:**

**Dam Safety 2014 POSTER PRESENTATIONS**

Confirmed as of Print Date

**Probabilistic Piping Assessment and Fragility Estimation of Embankment Dams**

Marco Andreini, Ph. D.; and Paolo Gardoni, Associate Professor, University of Illinois at Urbana-Champaign; Diego Lo Presti; and Mauro Sassu, University of Pisa

**Estimation of the temporal evolution of a dam-breach due to an overtopping event**

Ana Margarida Lopes Saraiva Alves Bento, MSc.; Maria Rafaela Pinheiro Cardoso, Ph.D.; and Rui Miguel Lage Ferreira, Ph.D., Instituto Superior Técnico; Ivia Rute Caleiro Amaral, MSc.; and Ricardo Jorge Loureno Jnatas, MSc., Laboratrio Nacional de Engenharia Civil

**An Online Algorithm of Erosion Detection Using Aquifer Storage Properties**

Charles W. Chang; Andrew Schreiber; and Jesse T. Holzer, pH Global LLC and University of Wisconsin-Madison

**Evaluation of the influence of aging on dam performance using field-based shear wave velocity correction methods**

Erin Leigh Dillon, University of Illinois at Urbana Champaign

**Everybody Wins When Junior Engineers Participate in Risk Assessment**

Jessie Drayton, URS Corporation

**Use of a Geo-composite in Combination with a Traditional Filter for Treating Cracks at Red Willow Dam**

Brian A. Hollis, Resident Engineer; and Jack Gagliardi, Technical Specialist (Geotechnical), Bureau of Reclamation

**Step by Step: Design Procedures for Stepped Chutes**

Sherry L. Hunt, Acting Research Leader and Research Civil Engineer; and Kem C. Kadavy, P.E., Agricultural Engineer, USDA – Agricultural Research Service

**Rehabilitation of Thorn Run Dam: Upgrading Aging Infrastructure, Mitigating Future Risks, and Overcoming Unexpected Construction Complications**

James R. James, P.E., Senior Geotechnical Engineer, Gannett Fleming, Inc.; and Tyson R. Clouser, P.E., Project Engineer, Pennsylvania American Water

**Dam Rehabilitation and Recreation Improvements to a Multipurpose Reservoir, Utah County, UT**

Kevin Jensen and Dan Axness, McMillen, LLC; and Nathaniel Todea, State Hydraulic Engineer, USDA – Natural Resources Conservation Service

**FEM-analysis of a concrete dam in northern Sweden**

Fredrik Johansson, Ph.D.; Ingvar Ekstrom, Civil Engineer; Camilo Rito Pi, Civil Engineer; and Richard Malm, Ph.D., Sweco Energuide AB; and Viktor Carlsson, Civil Engineer, Skellefte Kraft AB

**Developing and Implementing the Dams Inlet/Outlet Works Rehabilitation Program for Los Angeles County Flood Control District Dams**

Sterling Klippel, Senior Civil Engineer, Los Angeles County Department of Public Works

**Devils Lake Flood Risk Management – Geotechnical Aspects**

Stephen L. McCaskie, P.E., G.E., Geotechnical Engineer, Hanson Professional Services Inc.; and Paul D. Madison, P.E., Geotechnical Engineer, US Army Corps of Engineers

**Pennsylvania Dam Safety Review of Hazard Potential Using HEC-1 and HEC-GeoRAS**

Ronald C. Mease, P.E., Hydrologic and Hydraulic Engineering Consultant, Pennsylvania Department of Environmental Protection, Division of Dam Safety

**Moose Creek Dam – Risk Assessment of an 8-Mile Long Dam Founded on Deep Sand and Gravel Deposits with Discontinuous Permafrost in Fairbanks, Alaska**

Troy S. O'Neal, Ph.D., P.E., Risk Cadre Lead/Facilitator, US Army Corps of Engineers

**Failure of the Fujinuma Dams during the 2011 Tohoku Earthquake**

Daniel Pradel, Chief Engineer, University of California-Los Angeles

**Case Study: Waiahole Reservoir System, Reservoirs 155 and 225 Reservoir Improvements**

Anthony Quintrall, P.E., Project Engineer; and Blake Johnson, P.E., Associate Vice President, HDR Engineering, Inc.

**Accelerating the Curing of RCC**

Tom Reynoldson, P.E., Program Manager, Kleinfelder, Inc.

**The Analysis of Sediment Migration in Dam Failure/Removal Cases – Numerical Approach**

Farzam Safarzadeh-Maleki, Ph.D. Candidate; and Abdoul A. Khan, Associate Professor, Clemson University

**Supplemental Geotechnical Investigation for Design of Seismic Retrofit of an Embankment Dam**

David C. Serafini, Chief, P.E., Soil Design Section, US Army Corps of Engineers

**FEMA's Risk MAP: Reducing Risk Beyond the Dam**

Amanda Siok, C.F.M., Risk Analyst, Federal Emergency Management Agency

**San Bernardino County Inundation Studies using FLO-2D**

Dave Smith, Project Manager; and Cameron Jenkins, Staff Engineer, WEST Consultants, Inc.

**Observations from Investigations of Sand Boils on the Mississippi River**

Isaac Stephens, Research Geotechnical Engineer, US Army Corps of Engineers

**Dam Seismic Assessment Program**

Wayne Thilo, Project Manager, Metropolitan Water District of Southern California

**Rapid Drawdown Analysis...Not So Fast!**

Brian P. Toombs, E.I.T., Senior Staff Engineer; and F. Alex Rutledge, P.E., P.G., Senior Engineer, Schnabel Engineering; and Daniel R. VandenBerge, P.E., Ph.D. Candidate, Virginia Tech

## *Specialty Workshop:*

### **SPECIALTY TECHNICAL WORKSHOP: Rehabilitation of Embankment Dams for Seepage**

Thursday, September 25, 8:00 am – 5:00 pm

ASDSO is pleased to host a one day specialty technical workshop for dam safety engineers and others seeking training on geotechnical issues.

**Overview:** Rehabilitation of existing embankment dams for seepage deficiencies is one of the most common challenges in dam safety today. This is because seepage through and under dams remains one of the leading causes of dam failure. In simplest terms, embankment dam seepage can be addressed in two ways: 1) cutoff or reduce the flow or 2) safely collect and control it. This workshop has three major sections: review of seepage analysis, overview of remediation methods, and two case histories. The review section will cover; flownets, 2D FEM, selection of material properties, and gradients. The remediation section will cover; toe drains, chimney filters, drainage blankets, upstream blankets, barrier/cutoff walls, and relief wells. The third section will present two case histories; one on seepage collection and the other using the cutoff/reduction approach.

**Instructors:** Mark Pabst, P.E., US Army Corps of Engineers, Lakewood, CO and John France, P.E., URS Corp., Denver, CO

**Professional Development Hours:** Up to 7.5 professional development hours are available for attending the full workshop. Attendees will receive a form on which to record contact hours for continuing education credits. Note: ASDSO is not a provider of New York continuing professional education credits (2) Florida P.E. licensees must submit license numbers to ASDSO with the registration form in order to receive credit from the FBPE.

**Registration Fee:** The registration fee for this one-day workshop is \$200 per person. Please include this fee with your regular conference registration. The registration fee includes all course instruction and materials, continental breakfast, box lunch and coffee breaks.

#### **Agenda: Thursday, September 25**

7:30 am – 8:00 am	Continental Breakfast
8:00 am – 9:15 am	Introductions and Seepage Analysis Refresher
9:15 am – 9:30 am	Coffee Break
9:30 am – 10:30 am	Seepage Analysis Refresher (cont.)
10:30 am – 11:00 am	Exercise
11:00 am – 11:15 am	Exercise Solution
11:15 am – 12:00 pm	Alternatives for Seepage Collection
12:00 pm – 1:00 pm	Lunch Break – Box lunches provided.
1:00 pm – 1:45 pm	Alternatives for Seepage Cutoff and Barriers
1:45 pm – 2:00 pm	Coffee Break
2:00 pm – 2:45 pm	Ochoco Dam Seepage Collection Case History
2:45 pm – 3:30 pm	Wolf Creek Cutoff Case History
3:30 pm – 4:45 pm	Student Team Project
4:45 pm – 5:00 pm	Q & A

## Registration:

Please select from the registration options below. If you are a current ASDSO member please LOG IN (above) to pay discounted member rate. A late fee of \$75 applies to all registrations submitted after August 22nd.

### Registration Fees

- ASDSO Non-Member - \$900.00
- Daily Rate: ASDSO Non-Member - \$325.00

### Add a Guest

- Guest - \$100.00

### Activities

- 9/20 San Diego Padres Baseball Game - \$55.00
- 9/22 Guest Tour to San Juan Capistrano - \$75.00
- 9/25 Field Trip to San Diego Water Projects - \$75.00
- 9/25 Specialty Workshop Rehab for Seepage - \$200.00
- 9/25 Golf Outing at Torrey Pines - \$199.00
- Extra Award Banquet Ticket - \$55.00

### Additional Information

- Yes, I will be attending the Student Activities
- Yes, I will be participating in the Dine-Around (Monday)
- Yes, I will be attending the Awards Banquet (Tuesday)
- Yes, I am interesting in volunteering to help with the conference

### ASDSO Membership Categories

Select a membership category to join ASDSO. The member rates will be automatically applied to the registration fees.

- Sustaining Member - Annual Dues: \$2,730.00
- Associate/Government Member - Annual Dues: \$49.00
- Voting Representative - Annual Dues: \$491.00

**Affiliate Member** - The following membership categories are for companies or individuals representing the private-sector interest in dam safety, including private dam owners, utility companies, manufacturers, suppliers, contractors, and construction and consulting engineers.

- Company Member - Annual Dues \$360.00
- Company Employee Member - Annual Dues: \$49.00
- Individual Member - Annual Dues: \$92.00
- Senior Member - Annual Dues: \$38.00
- Student Member - Annual Dues: \$22.00
- None





“I appreciate the effort that CSDA has made to offer several of the seminars, smaller in scale, but in more locations.”



## Annual Conference & Exhibitor Showcase

*Earn SDRMA Credit Incentive Points*

**PALM SPRINGS – September 29-October 2, 2014**

Renaissance Palm Springs Hotel  
888 East Tahquitz Canyon Way  
Palm Springs, CA 92262

The leadership conference for special districts

The CSDA Annual Conference & Exhibitor Showcase is the one conference special district leaders can't afford to miss! It is the most densely packed educational and networking experience available to special districts.

Come together with other special district leaders from across the state to meet with industry suppliers, hear from the best in special district specific topics at over thirty breakout session options, network with your peers and more at the leadership conference for special districts.

\$550 Early Registration / \$600 Regular Registration CSDA Member  
\$750 Early Registration / \$800 Regular Registration Non-Member

*Early registration rate is available on or before August 22, 2014*

### HOTEL ROOMS

Room reservations are available at the Renaissance Palm Springs Hotel at the CSDA rate of \$134 plus tax single or double occupancy, no internet charges in the guest rooms and no resort fee. Self-parking is just \$5 per night! Call the hotel directly at 760-322-6000 or central reservations at 1-800-228-9290 and ask for the California Special Districts Association rate. The first night room and tax becomes non-refundable if a reservation is cancelled after the cut-off date of September 7, 2014.

REGISTRATION OPEN MID-MAY 2014

# California Special Districts Association

## 2014 Annual Conference & Exhibitor Showcase

The CSDA Annual Conference & Exhibitor Showcase is the one conference special district Leaders can't afford to miss! It is the most densely packed educational and networking experience available to special districts. Come together with other special district leaders from across the state to meet with industry suppliers, hear from the best in special district specific topics at over thirty breakout session options, network with your peers and more at the THE leadership conference for special districts. \$550 Early Registration / \$600 Regular Registration CSDA Member \$750 Early Registration / \$800 Regular Registration Non-Member Early registration is available on or before August 22, 2014

### When:

9/29/2014 - 10/2/2014

### Where:

Renaissance Palm Springs Hotel  
888 East Tahquitz Canyon Way  
Palm Springs, CA 92262



Monday, 29 September 2014



### [Register Full Conference Guest](#)

Full Conference Guest (Cannot be from a district or company that does business with districts)

Time:

9/29/2014 9:00 AM - 10/2/2014 12:00 PM

### [Pre-Conference - Governance Foundations](#)

Pre-Conference Workshop - Governance Foundations

Time:

9:00 AM - 3:00 PM

9:00 AM

Pre-Conference - Governance Foundations

Instructor: David Aranda, North of the River Municipal Water District Governance Foundations, the first of four modules and the core of the Special District Leadership Academy series, provides the basic information needed by board members, general managers and staff to build an effective and functional governance team. This course teaches the foundational knowledge and skills that identify and define the essential building blocks of a successful board. Directors will learn to develop a unity of purpose; understand the board's role in the district; build a strong, positive, functional board culture; and organize the formal structure of the board. 09:00 am - 04:00 pm \$225 CSDA Member \$375 Non-Member **Sign up for all four academy courses and save \$\$\$ CSDA Member - \$800, Non-Member - \$1400 Call CSDA at (877) 924-2732**

### [Pre-Conference - So You Want to Be a GM](#)

Pre-Conference Workshop - So You Want to be a GM

Time:

9:00 AM - 3:00 PM

### [Water Awareness Tour: Coachella Valley Water District](#)

Coachella Valley Water District: Water Awareness Tour

Time:

10:00 AM - 3:00 PM

### [Annual Golf Tournament](#)

Annual Golf Tournament

Time:

10:30 AM - 3:00 PM

### [Pre-Conference - How to be a Great Decision Maker](#)

Pre-Conference Workshop #3 - How to be a Great Decision Maker

Time:

12:00 PM - 3:00 PM

Tuesday, 30 September 2014



### [Single Day Registration - Tuesday Only](#)

Single Day Registration for Tuesday Only

Time:

7:30 AM - 8:30 PM

### [Evening at the Palm Springs Air Museum](#)

Evening at the Palm Springs Air Museum - Hangar Party

Time:

5:30 PM - 8:30 PM

Wednesday, 01 October 2014



### [Single Day Registration - Wednesday Only](#)

Single Day Registration for Wednesday Only

Time:

7:00 AM - 8:00 PM

### [Awards Luncheon Only - Guest](#)

Awards Luncheon Guest

Time:

12:30 PM - 2:00 PM

### [Guest Registration - Taste of the City Only](#)

Registration for Guest to Taste of the City

Time:

6:00 PM - 8:00 PM

Thursday, 02 October 2014



### [Single Day Registration - Thursday Only](#)

Single Day Registration for Thursday (1/2 Day)

Time:

8:00 AM - 12:00 PM

**PALMDALE RECYCLED WATER AUTHORITY (PRWA)**

**MINUTES OF FEBRUARY 19, 2014  
REGULAR MEETING AGENDA NO. 10 OF THE  
PALMDALE RECYCLED WATER AUTHORITY (PRWA)  
HELD AT CITY OF PALMDALE, 38300 SIERRA HIGHWAY,  
PALMDALE, CALIFORNIA**

**1. CALL TO ORDER.**

Called to order at 7:00 p.m.

**2. PLEDGE OF ALLEGIANCE.**

Chair Ledford led the Pledge of Allegiance followed by a moment of silence in honor of our military.

**3. ADMINISTERING OF OATH OF OFFICE TO APPOINTED DIRECTORS.**

Attorney Ciampa administered the Oath of Office to appointed Directors James C. Ledford, Jr., Laura Bettencourt, Kathy Mac Laren, Robert Alvarado, Helen Velador, and Alternate Director Vincent Dino.

**4. ROLL CALL: DIRECTORS JAMES C. LEDFORD, JR., LAURA BETTENCOURT, KATHY MAC LAREN, ROBERT ALVARADO, AND HELEN VELADOR**

**PRESENT:** Chair Ledford, Vice Chair Mac Laren, Directors Bettencourt, Alvarado, and Velador

**5. WAIVER OF FULL READING OF RESOLUTION(S).**

**Motion:** Move to waive full reading of the Resolution(s) to be considered and voted on at this meeting.

Moved by Vice Chair Mac Laren, seconded by Director Bettencourt

**Vote:** Motion Carried (5-0)

**Yes:** Chair Ledford, Vice Chair Mac Laren, Directors Alvarado, Bettencourt, and Velador

**6. CONSENT CALENDAR – PUBLIC COMMENTS ONLY:**

None.

**7. CONSENT CALENDAR:**

- 7.1 Approve Resolution PRWA 2014-001 Amending and Restating the PRWA Conflict of Interest Code. (Staff Reference: Authority Counsel Ciampa)
- 7.2 Approve the Minutes from the previous meeting held on November 20, 2013. (Staff Reference: Secretary Deans/Acting Secretary Henry)
- 7.3 Approve receipt and filing of the Treasurer's Report for the year ended December 31, 2013 and for the month ended January 31, 2014. (Staff Reference: Treasurer/Auditor Johnston)

**Motion:** Move to approve the recommendations and findings of the items listed under this Consent Calendar.

Moved by Director Bettencourt, seconded by Director Alvarado

**Vote:** Motion Carried (5-0)

**Yes:** Chair Ledford, Vice Chair Mac Laren, Directors Alvarado, Bettencourt, and Velador.

**8. ACTION CALENDAR – PUBLIC COMMENTS ONLY:**

None.

**9. ACTION CALENDAR:**

- 9.1 Consideration and possible action on the Authority's 2014 budget. (Staff Reference: Assistant Executive Director Mischel)

**Motion:** After a detailed review of the Authority's 2014 budget, staff's recommendation to revise outreach funds, and potential training opportunities for the Board, it was moved to approve the 2014 budget, as amended, to increase outreach funds from \$6,000 to \$7,500, with the understanding that the revised budget and accompanying resolution will be presented at the next Authority Board meeting.

Moved by Director Bettencourt, seconded by Director Mac Laren

**Vote:** Motion Carried (5-0)

**Yes:** Chair Ledford, Vice Chair Mac Laren, Directors Alvarado, Bettencourt, and Velador.

- 9.2 Consideration and possible action on proposal received for preparation of 2013, 2014, and 2015 annual audits. (Staff Reference: Treasurer/Auditor Johnston)

**Motion:** After discussion of the audit proposal and annual costs, it was moved to approve the auditing services proposal received from Vavrinek, Trine, Day & Co., LLP for preparation of 2013, 2014, and 2015 audits in the total not-to-exceed amount of \$26,273.

Moved by Director Alvarado, seconded by Director Velador

**Vote:** Motion Carried (5-0)

**Yes:** Chair Ledford, Vice Chair Mac Laren, Directors Alvarado, Bettencourt, and Velador.

**10. PUBLIC COMMENTS:**

None.

**11. SPECIAL REPORT:**

- 11.1 Presentation by Carollo Engineers regarding draft Palmdale Recycled Water Authority Recycled Water Master Plan. (Staff Reference: Executive Director LaMoreaux)

Acting Executive Director Knudson provided an overview of combining the City's and District's Recycled Water Master Plans into one Recycled Water System Master Plan, after which Mr. Tom West, of Carollo Engineers, provided a detailed review on the update of this planning effort including the alternatives, reason for the alternatives, and potential customers followed by discussion of these alternatives, future neighborhood landscape retrofits, possible impacts of the adjudication on the use of recycled water, and potential grants to help with the cost of projects. Mr. West then stated that his firm and Authority staff intend to review the Recycled Water Master Plan in detail, including costs, at a workshop at the Authority's April meeting.

**12. INFORMATIONAL REPORT OF THE BOARD OF DIRECTORS, EXECUTIVE DIRECTOR, AND ASSISTANT EXECUTIVE DIRECTOR.**

Acting Executive Director Knudson reported that work continues with the Sanitation Districts and Los Angeles County Waterworks regarding reallocation of the recycled water supply, and staff hopes to bring these contracts to the Board for consideration in the near future. He then reported that he and Gordon Phair will be attending the WaterReuse Conference in March.

There were no further reports.

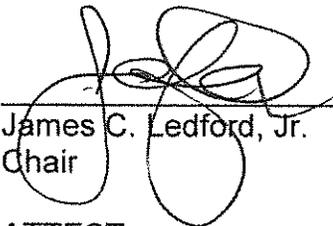
**13. ANNOUNCEMENT OF NEXT REGULAR MEETING DATE.**

Acting Executive Director Knudson announced that the next regular meeting date for the Palmdale Recycled Water Authority is March 19, 2014, and this meeting will be held at the Palmdale Water District.

**14. ADJOURNMENT:**

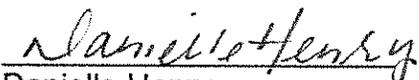
Chair Ledford adjourned the meeting at 7:53 p.m.

PASSED, APPROVED, AND ADOPTED this 21<sup>st</sup> day of May, 2014.



James C. Ledford, Jr.  
Chair

ATTEST:



Danielle Henry  
Acting Secretary

**MINUTES OF MEETING OF THE OUTREACH COMMITTEE OF THE PALMDALE WATER DISTRICT, APRIL 2, 2014:**

*A regular meeting of the Outreach Committee of the Palmdale Water District was held Wednesday, April 2, 2014, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Dizmang called the meeting to order.*

**1) Roll Call.**

**Attendance:**

Outreach Committee:  
Gloria Dizmang, Chair  
Joe Estes, Committee  
Member

**Others Present:**

Dennis LaMoreaux, General Manager  
Robert Alvarado, PWD Director  
Matt Knudson, Assistant General Manager  
Claudette Beck, Retired Annuitant  
Dawn Deans, Executive Assistant  
0 members of the public

**2) Adoption of Agenda.**

It was moved by Committee Member Estes, seconded by Chair Dizmang, and unanimously carried to adopt the agenda, as written.

**3) Public Comments.**

There were no public comments.

**4) Action Items:**

**4.1) Consideration and Possible Action on Approval of Minutes of Meeting Held March 5, 2014.**

After a brief discussion, it was moved by Committee Member Estes, seconded by Chair Dizmang, and unanimously carried to approve the minutes of the meeting held March 5, 2014, as written.

**4.2) Review of April, 2014 Water News. (Retired Annuitant Beck)**

Retired Annuitant Beck reviewed the articles for the next issue of Water News followed by discussion of the articles, revisions, and future articles, and the Committee concurred with the content of the April, 2014 Water News.

**4.3) Discussion and Possible Action on June 14 Plant Sale. (General Manager LaMoreaux)**

General Manager LaMoreaux stated that preparations for the June 14 Plant Sale have begun after which Retired Annuitant Beck stated that staff is developing a coloring contest in coordination with other agencies and suggested the entries be judged at the Antelope Valley Resource Conservation District's Plant Sale and at the District's Plant Sale.

**4.4) Discussion and Possible Action on the District Manning a Public Information Booth at the Four-Points Swap Meet. (Committee Member Estes)**

Committee Member Estes stated that the owners of the Four-Points Swap Meet have offered the District a booth free of charge for at least one day and that approximately 3,500 people attend this event. Having a booth the weekend before the Plant Sale to promote the Plant Sale, the drought, and the Proposition 218 process was then discussed, and the Committee concurred with having a booth at the Four-Points Swap Meet.

**5) Information Items.**

**5.1) Status of District Website Redesign. (Information Technology Manager Stanton)**

Information Technology Manager Stanton reported that the contract with the District's current website consultant has been terminated; that staff recommends the District enter into a contract with Tripepi Smith & Associates, Inc. for website development services in the not-to-exceed amount of \$20,000; and that this be presented to the full Board for consideration at the April 9, 2014 meeting followed by discussion of the current contract, the proposed contract, and the opportunity for Board input on the new website. The Committee then concurred with this item being presented to the Board for consideration at the April 9 Board meeting.

**5.2) Status on Scheduling 'Before the First Drop' Presentations to Chamber of Commerce Board Members. (General Manager LaMoreaux)**

General Manager LaMoreaux stated that staff contacted the Palmdale Chamber of Commerce, the Antelope Valley Hispanic Chamber of Commerce, and the African-American Chamber of Commerce regarding presentation of the 'Before the First Drop'

campaign to their Directors; that this resulted in an offer from the African-American Chamber of Commerce for a luncheon presentation; that staff will reserve this offer until June for discussion on the Proposition 218 process; and that staff has re-contacted the Chambers for presentation of the 'Before the First Drop' campaign to their Directors.

District membership in the Antelope Valley Hispanic Chamber of Commerce and African-American Chamber of Commerce was then discussed, and it was determined that this be discussed at a future meeting.

**5.3) Status Report on 2014 Water Conservation Education/School Program.  
(Water Conservation Aide Trevino)**

General Manager LaMoreaux stated that the District received approval from the Palmdale School District for distribution of a flyer informing teachers of the availability of District presentations; that a coloring contest is being developed with other agencies; and that staff will continue working with the schools followed by discussion of earlier distribution of materials to the schools and development of annual contests.

**5.4) Status on Aquadog Participation at Thursday-Night-on-the-Square.  
(Water Conservation Aide Trevino)**

General Manager LaMoreaux stated that Aquadog will be allowed to attend Thursday-Night-on-the-Square and will attend when the themes are best suited for children followed by discussion of the District's participation and the social aspect at Thursday-Night-on-the-Square.

**5.5) Review of the District's Participation at Home & Garden Show. (Water Conservation Aide Trevino)**

General Manager LaMoreaux stated that the District recently participated at the Home & Garden Show in a shared booth; that hand-outs were distributed; that not too many of the District's customers attended; but that one participant signed up for the Cash for Grass Program and one person was added to the email list.

**5.6) Other.**

Retired Annuitant Beck stated that different topics for the District's Landscape Workshops have been added in addition to the Cash for Grass Workshops and that Water

Conservation Aide Trevino will develop a brochure to include the Seven Steps of Xeriscaping and the Cash for Grass Program rules, which can be printed in both English and Spanish.

General Manager LaMoreaux stated that April 22 is Earth Day; that Northrop is hosting an education week for their employees, and the District has been invited to speak some time during that week; and that the Committee will be informed of the date of the presentation.

He then provided the Water Education Foundation's annual report for the Committee's review.

There were no additional information items.

**6) Board Members' Requests for Future Agenda Items.**

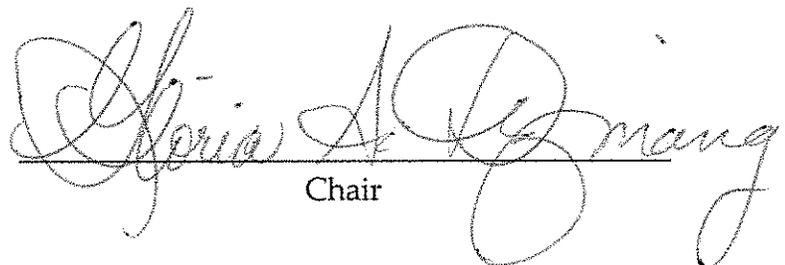
Committee Member Estes requested an item be placed on the next agenda for "Consideration and possible action on District membership in the Antelope Valley Hispanic Chamber of Commerce and African-American Chamber of Commerce."

There were no further requests for future agenda items.

It was then stated that the next Outreach Committee meeting will be held May 21, 2014 at 3:00 p.m.

**7) Adjournment.**

There being no further business to come before the Outreach Committee, the meeting was adjourned.

  
Chair

**MINUTES OF MEETING OF THE FACILITIES COMMITTEE OF THE PALMDALE WATER DISTRICT, APRIL 16, 2014:**

*A meeting of the Facilities Committee of the Palmdale Water District was held Wednesday, April 16, 2014, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Estes called the meeting to order.*

**1) Roll Call.**

**Attendance:**

Facilities Committee:

Joe Estes, Chair

Vincent Dino, Committee Member

**Others Present:**

Dennis LaMoreaux, General Manager

Kathy Mac Laren, PWD Director

Robert Alvarado, PWD Director

Matt Knudson, Assistant General Manager

Tim Moore, Facilities Manager

Dawn Deans, Executive Assistant

3 members of the public

Chair Estes introduced and welcomed Mr. Chris Hannah, of the Building Trades Association, Mr. Mitch Kline, of the IBEW, and Mr. Ralph Velador, of the Laborers Union.

**2) Adoption of Agenda.**

It was moved by Committee Member Dino, seconded by Chair Estes, and unanimously carried to adopt the agenda, as written.

**3) Public Comments.**

There were no public comments.

**4) Action Items:**

**4.1) Consideration and Possible Action on Approval of Minutes of Regular Meeting Held March 19, 2014.**

It was moved by Committee Member Dino, seconded by Chair Estes, and unanimously carried to approve the minutes of the Facilities Committee meeting held March 19, 2014, as written.

**4.2) Discussion and Possible Action on Moving the Board Room Voting Board to Allow More Visibility to the Public. (Chair Estes)**

Chair Estes recommended the Board room voting board be moved to the opposite side of the Board room to provide better visibility after which the Committee toured the Board room to review other potential upgrades such as nameplates, wireless receivers, a movable podium, security upgrades, a trophy and awards display, and updating the logo display.

**5) Information Items.**

**5.1) Status Report on 2014 Engineering, Facilities, and Operations Department Goals, Projects, and Functions. (Assistant General Manager Knudson)**

Assistant General Manager Knudson distributed an updated list of budgeted projects.

Chair Estes then stated that Agenda Item No. 3 will again be considered.

**3) Public Comments.**

Mr. Ralph Velador, of the Laborers Union, stated that he is present today with Mr. Chris Hannah, of the Building Trades Association, and Mr. Mitch Kline, of the IBEW; that they have discussed the District entering into a Project Labor Agreement; and that he requests this topic be placed on a future agenda for consideration.

Mr. Chris Hannah, of the Building Trades Association, then restated Mr. Velador's statement regarding an agenda item to consider a Project Labor Agreement or a Community Workforce Agreement, reviewed the benefit of these types of agreements, and stated that they wanted to go on record with the Facilities Committee regarding this matter.

General Manager LaMoreaux then reviewed previous Finance Committee meeting discussions regarding this matter and stated that staff met with Mr. Hannah and his associate at the direction of the Finance Committee to review these types of Agreements and that staff requested sample Project Labor Agreements with other water agencies.

Mr. Mitch Kline, of the IBEW, then stated that the Agreements have different titles; that the Agreements place everyone on an even playing field; and that they bring better standards and an education to the Water District.

The Committee then agreed with the concept of these types of Agreements, and Chair Estes requested the unions provide the District with copies of their Project Labor Agreements relative to water districts.

There were no further public comments.

Chair Estes then stated that Agenda Item No. 5.1 will again be considered.

**5.1) Status Report on 2014 Engineering, Facilities, and Operations Department Goals, Projects, and Functions. (Assistant General Manager Knudson)**

Assistant General Manager Knudson reviewed the status of several of the projects included on the consolidated project list from the 2014 budget followed by discussion of the water rate study, the purchase of District vehicles, clarification of the bidding process for the meter replacement project, the dredging work at the water treatment plant inlet/outlet structure, projects funded through the Water Revenue Bond, a long-term contract for the supply of Granular Activated Carbon, and the upcoming in-house water main replacement project in 15<sup>th</sup> Street East after which it was determined that the Committee tour the Leslie O. Carter Water Treatment Plant at their next meeting.

**5.2) Status Report on Wind Turbine Performance. (Assistant General Manager Knudson)**

Assistant General Manager Knudson stated that he just received the first quarter wind turbine performance summary from Black & Veatch; that water treatment plant consumption balanced with turbine production; and that the total energy savings for the first quarter is approximately \$13,500.00.

**5.3) Status Report on Development of Policy for Unrestricted Access for All Directors to All Facilities. (Chair Estes)**

Chair Estes stated that he discussed this item with General Manager LaMoreaux, and this item will be discussed with the Ad Hoc Committee that President Mac Laren will be appointing.

**5.4) Status Report on Flushing Program. (Facilities Manager Moore)**

Facilities Manager Moore provided a brief overview of the District's flushing process, the purpose of the Flushing Program, and staff's efforts to reduce flushing points.

**5.5) Other.**

General Manager LaMoreaux stated that the reduced Chromium 6 rule will be published soon with an effective date of July, 2014; that this rule will affect one of the District's wells; that this well was included in a recent Chromium 6 Treatment Options Study; and that information from this Study may be helpful.

There were no additional information items.

**6) Board Members' Requests for Future Agenda Items.**

Chair Estes requested an item be included on the next agenda for "Tour of Leslie O. Carter Water Treatment Plant at 700 East Avenue S, Palmdale."

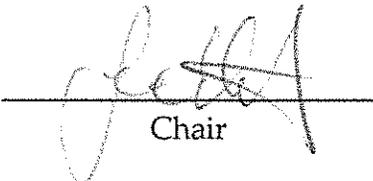
He then requested future Facilities Committee meetings be held in the Board room in a set-up similar to the Personnel Committee meetings.

There were no further requests for future agenda items.

It was stated that the next Facilities Committee meeting will be held May 20, 2014 at 8:15 a.m.

**7) Adjournment.**

There being no further business to come before the Facilities Committee, the meeting was adjourned.

  
Chair

**MINUTES OF REGULAR MEETING OF THE WATER SUPPLY & RELIABILITY COMMITTEE OF THE PALMDALE WATER DISTRICT, APRIL 28, 2014:**

*A regular meeting of the Water Supply & Reliability Committee of the Palmdale Water District was held Monday, April 28, 2014, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Dizmang called the meeting to order.*

**1) Roll Call.**

**Attendance:**

Water Supply & Reliability Cmte:  
Gloria Dizmang, Chair  
Vincent Dino, Committee  
Member

**Others Present:**

Dennis LaMoreaux, General Manager  
Matt Knudson, Assistant General Manager  
Jon Pernula, Water & Energy Resources Manager  
Dawn Deans, Executive Assistant  
2 members of the public

**2) Adoption of Agenda.**

It was moved by Committee Member Dino, seconded by Chair Dizmang, and unanimously carried to adopt the agenda, as written.

**3) Public Comments.**

There were no public comments.

**4) Action Items:**

**4.1) Consideration and Possible Action on Approval of Minutes of Meeting Held March 31, 2014.**

It was moved by Committee Member Dino, seconded by Chair Dizmang, and unanimously carried to approve the minutes of the Water Supply & Reliability Committee meeting held March 31, 2014, as written.

**4.2) Presentation of Monthly Water Demand and Supply Status. (Water & Energy Resources Manager Pernula)**

Water & Energy Resources Manager Pernula reviewed the water supply projections and charts included in the agenda packets followed by discussion of water supply options.

**4.3) Status on the Operations of the State Water Project. (Water & Energy Resources Manager Pernula)**

Water & Energy Resources Manager Pernula stated that the State Water Project allocation has been increased to 5%; that the Governor has issued a new proclamation, which will be beneficial to the processing of water purchases and transfers; that precipitation increased slightly but remains below normal; and that a Butte County Three-Way Water Transfer Agreement will be presented to the Committee for review at a later date.

**5) Project Updates.**

**5.1) Palmdale Recycled Water Authority. (General Manager LaMoreaux)**

General Manager LaMoreaux stated that at the May City Council meeting, staff expects the City Council to appoint a second member to the Authority's Board; that if this appointment is made, an Authority meeting will be scheduled in May to review the draft Master Plan for the Authority; that Los Angeles County Waterworks has presented an issue regarding the reallocation of recycled water; and that Supervisor Antonovich's office has been contacted for assistance.

**5.2) Littlerock Dam Sediment Removal Project. (Assistant General Manager Knudson)**

Assistant General Manager Knudson stated that April 15 was the deadline to receive comments on this Project from the public scoping period; that a few typical comments were received from regulatory agencies; that Aspen Environmental Group has begun drafting the official EIR/EIS document; and that the earliest construction could commence on this Project is fall, 2015.

**5.3) Littlerock Creek Recharge and Recovery Project. (Assistant General Manager Knudson)**

Assistant General Manager Knudson stated that the Board received a detailed update on this Project from Kennedy-Jenks Consultants' at the April 9 Board meeting and that a meeting is scheduled May 6 with Los Angeles World Airports and City of Los Angeles Department of Water and Power to discuss the Project.

**5.4) City of Palmdale's Upper Amargosa Recharge Project. (Assistant General Manager Knudson)**

Mr. Gordon Phair, Utilities Services Manager for the City of Palmdale, provided an update on the status of this Project including the results of recent borings and monitoring wells, the location of the turnout for this Project, the need for additional monitoring wells and the upcoming proposal for cost-sharing, and the recharge, flood control, and park aspects of this Project after which Assistant General Manager Knudson stated that the City of Palmdale is under contract with GEI Consultants for the design of this Project, and technical reports will be provided to the four partners for review and comment.

**6) Information Items.**

**6.1) Drought Management Task Force. (Water & Energy Resources Manager Pernula)**

Water & Energy Resources Manager Pernula stated that the Drought Management Task Force has not met due to changes in the State Water Project and the Governor's proclamation after which General Manager LaMoreaux reviewed the Governor's new proclamation emphasizing the need for conservation with some additional suggestions and stated that the next issue of Water News will summarize the Governor's proclamation; that ACWA has requested its member agencies consider a Resolution in support of the new proclamation; and that he recommends this Resolution be customized to meet the District's needs and presented to the full Board for consideration at the May 14, 2014 meeting. After a brief discussion of the Resolution and of some customer's current conservation efforts, the Committee concurred with this Resolution being presented to the full Board for consideration.

**6.2) Water Purchase Opportunities. (Water & Energy Resources Manager Pernula)**

Water & Energy Resources Manager Pernula reviewed several water purchase opportunities and stated that draft letters of intent have been prepared for these opportunities followed by discussion of the different types of water exchange programs.

**6.3) Other.**

Assistant General Manager Knudson provided a brief update on the status of the dredging process at Palmdale Lake.

Water & Energy Resources Manager Pernula stated that the District has accumulated another 2,000 acre feet of water since the last meeting through various sources.

Assistant General Manager Knudson stated that Los Angeles County Waterworks will present their water supply report at the next City Council meeting and that District staff will be attending this meeting to ensure the District's water supply situation is also presented.

**6) Board Members' Requests for Future Agenda Items.**

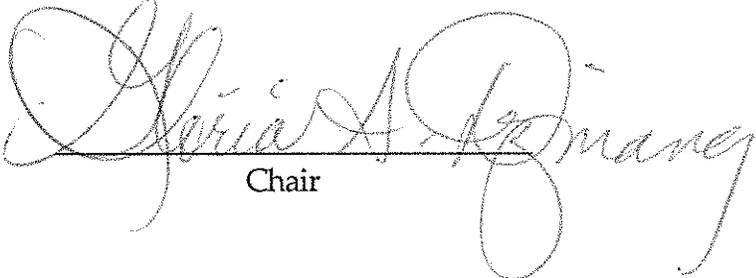
Water & Energy Resources Manager Pernula stated that the Butte County Three-Way Water Transfer Agreement will be presented at a future meeting for consideration.

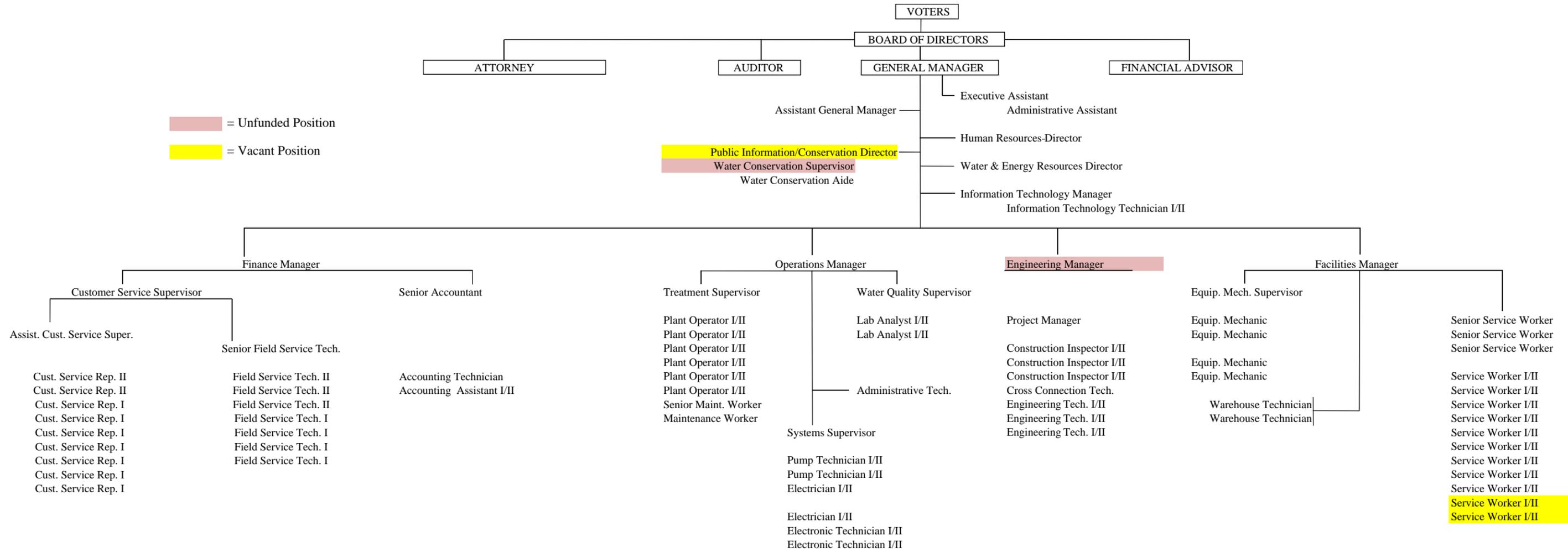
There were no further requests for future agenda items.

It was then stated that the next Water Supply & Reliability Committee meeting will be held May 19, 2014 at 2:00 p.m.

**7) Adjournment.**

There being no further business to come before the Water Supply & Reliability Committee, the meeting was adjourned.

  
Chair



**SUMMARY TABLE**

Hiring Process Authorization		Filled By			Status
Date	Position				
3/12/2014	PIO/Conserv. Director				In Process
n/a	Service Worker I/II				In Process
n/a	Service Worker I/II				In Process

**Palmdale Water District**

Position Vacancy and Hiring Process Status

Date: May 20, 2014 DDL