



PALMDALE WATER DISTRICT

A CENTURY OF SERVICE

BOARD OF DIRECTORS

ROBERT E. ALVARADO
Division 1

DON WILSON
Division 2

GLORIA DIZMANG
Division 3

KATHY MAC LAREN
Division 4

VINCENT DINO
Division 5

DENNIS D. LaMOREAUX
General Manager

ALESHIRE & WYNDER LLP
Attorneys



July 3, 2019

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 MONDAY, July 8, 2019

6:00 p.m.

NOTES: 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.

Additionally, an interpreter will be made available to assist the public in making **comments** under Agenda Item No. 4 and any action items where public input is offered during the meeting if requested at least 48 hours before the meeting. Please call Dawn Deans at 661-947-4111 x1003 with your request. (PWD Rules and Regulations Section 4.03.1 (c))

Adicionalmente, un intérprete estará disponible para ayudar al público a hacer **comentarios** bajo la sección No. 4 en la agenda y cualquier elemento de acción donde se ofrece comentarios al público durante la reunión, siempre y cuando se solicite con 48 horas de anticipación de la junta directiva. Por favor de llamar Dawn Deans al 661-947-4111 x1003 con su solicitud. (PWD reglas y reglamentos sección 4.03.1 (c))

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 (Government Code Section 54957.5). 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. (PWD Rules and Regulations, Appendix DD, Sec. IV.A.)

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/Moment of Silence.
- 2) Roll Call.
- 3) Adoption of Agenda.

- 4) Public comments for non-agenda items.
- 5) Presentations:
 - 5.1) None at this time.
- 6) Action Items - Consent Calendar (The public shall have an opportunity to comment on any action item on the Consent Calendar as the Consent Calendar is considered collectively by the Board of Directors prior to action being taken.)
 - 6.1) Approval of minutes of regular meeting held June 24, 2019.
 - 6.2) Payment of bills for July 8, 2019.
 - 6.3) Approval of Statement of Work between the District and Ernst & Young for 2019-2020 State Water Project Procedures to be performed related to the Department of Water Resources' 2020 Statement of Charges. (\$9,063.00 – Budgeted – General Manager LaMoreaux)
- 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 California Special Districts Association's 2019 Board of Directors election for Seat B in the Southern Network for the 2020-2022 term. (No Budget Impact – General Manager LaMoreaux)
 - 7.2) Consideration and possible action on authorization of the following conferences, seminars, and training sessions for Board and staff attendance within budget amounts previously approved in the 2019 Budget:
 - a) WaterSmart Innovations 2019 Conference to be held October 1 – 4, 2019 in Las Vegas, Nevada.
- 8) Information Items:
 - 8.1) Reports of Directors:
 - a) Meetings/General Report.
 - b) Standing Committee/Assignment Reports (Chair):
 - 1) None.
 - 8.2) Report of General Manager.
 - a) Update on security for Palmdale Lake and Palmdale Ditch. (Director Dizmang)
 - 8.3) Report of General Counsel.
- 9) Board members' requests for future agenda items.
- 10) Adjournment.



DENNIS D. LaMOREAUX, General Manager
DDL/dd

P A L M D A L E W A T E R D I S T R I C T
B O A R D M E M O R A N D U M

DATE: July 1, 2019 **July 8, 2019**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 6.3 – APPROVAL OF STATEMENT OF WORK BETWEEN THE DISTRICT AND ERNST & YOUNG FOR 2019-2020 STATE WATER PROJECT PROCEDURES TO BE PERFORMED RELATED TO THE DEPARTMENT OF WATER RESOURCES’ 2020 STATEMENT OF CHARGES. (\$9,063.00 – BUDGETED – GENERAL MANAGER LaMOREAUX)***

Recommendation:

Staff recommends approval of the Statement of Work between the District and Ernst & Young for 2019-2020 State Water Project Procedures to be performed related to the Department of Water Resources’ Statement of Charges in the not-to-exceed amount of \$9,063.00.

Alternative Option:

The alternative option would be to not participate in the Ernst & Young contract.

Impact of Taking No Action:

The District will not be involved in auditing activities for State Water Project procedures.

Background:

The Palmdale Water District is a member of the State Water Contractors Independent Audit Association (IAA) and has been involved in these auditing activities for several years. The IAA hires an accounting/auditing firm on an annual basis to review the billings and financial statements prepared by the Department of Water Resources for State Water Project costs. The IAA has reviewed Ernst & Young’s audit procedures and recommends IAA members approve the 2019-2020 Statement of Work.

The cost to the District will range from \$6,736.00 to \$8,420.00 depending upon how many members of the IAA approve the Statement of Work for core services (Exhibit “A”). Additional services may be requested for an amount not-to-exceed \$643.00 (Exhibit “B”).

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

July 1, 2019

Strategic Plan Initiative/Mission Statement:

Strategic Initiative No. 1 – Water Resource Reliability

This item directly relates to the District's Mission Statement.

Budget:

These services are under Administration budget line item 1-02-4150-000 – Accounting Services.

Supporting Documents:

- June 28, 2019 letter from Ernst & Young regarding Statement of Work.
- June 28, 2019 memorandum from Independent Audit Association recommending approval of Ernst & Young 2019/20 State Water Project Professional Services Contract.
- Ernst & Young Statement of Work for FY 2019-2020.



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June 28, 2019

Mr. Dennis Lamoreaux
Palmdale Water District
2029 East Avenue "Q"
Palmdale, California 93550

Dear Mr. Lamoreaux:

In coordination with the Independent Audit Association (IAA), we have developed the Statement of Work (SOW) for the 2019-2020 Procedures to be performed related to the 2020 Statement of Charges. This SOW is pursuant to the Master Services Agreement (MSA) by and between EY and Palmdale Water District dated May 31, 2017, which describes the annual approval process of each SOW performed under the MSA.

Please return the signed SOW to EY via mail at 2901 Douglas Boulevard, Suite 300, Roseville, CA 95661 (Attn. Scott Enos) or email to scott.enos@ey.com. We have also enclosed your copy of the support letter from Craig Wallace, IAA Secretary, recommending the approval of the SOW by Palmdale Water District.

If you have any questions about the enclosed SOW, please feel free to call me at (916) 218-1960.

Very truly yours,

Joe Pirnik
Managing Director

Enclosures



MEMORANDUM

Date: June 28, 2019
To: Members of the Independent Audit Association (IAA)
From: Craig Wallace, IAA Secretary
Subject: Ernst and Young 2019/20 State Water Project Professional Services Contract –

Enclosed is the 2019/20 Statement of Work (SOW) which includes the State Water Project procedures to be performed in relation to the Department of Water Resources' (DWR) Statement of Charges.

The Exhibit B budget limit is only billed by Ernst and Young if additional work is reviewed and approved by the IAA and remains at \$50,000. Exhibit C allows individual IAA Members to request Ernst and Young to undertake additional services beyond those included in Exhibit A of the SOW.

The IAA team has reviewed Ernst and Young's proposed procedures and recommends that IAA Members approve and execute the 2019/20 SOW. If you have any questions, please contact me at (916) 407-7617 or cwallace@kcwa.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Craig Wallace'.

Craig Wallace
Kern County Water Agency

CC: Joe Pirnik, EY

Statement of Work

This Statement of Work with the attached Exhibits, dated June 28, 2019 (this SOW) is made by Ernst & Young LLP (“we” or “EY”) and Palmdale Water District on behalf of itself (“you” or “Client”), pursuant to the Master Services Agreement, dated May 31, 2017 (MSA), between EY and Palmdale Water District (the Agency).

The additional terms and conditions of this SOW shall apply only to the Services covered by this SOW and not to Services covered by any other SOW pursuant to the MSA. Capitalized terms used, but not otherwise defined, in this SOW shall have the meanings defined in the MSA, including references in the Agreement to “you” or “Client” shall be deemed references to you.

Scope of Services

Except as otherwise set forth in this SOW, this SOW incorporates by reference, and is deemed to be a part of, the MSA. This SOW sets forth the terms and conditions on which EY will perform certain professional services as described in Exhibit A (the Services) for Agency, a member of the State Water Contractors (the “Contractors” or “SWC”) Independent Audit Association (IAA), for the twelve months ending June 30, 2020.

Any changes to the above scope of work will be agreed upon in writing and signed by both parties and will amend this original SOW.

The Services are advisory in nature and will not constitute an audit performed in accordance with Generally Accepted Accounting Principles. EY will perform the Services in accordance with the Statement of Standards for Consulting Services (CS100) of the American Institute for Certified Public Accountants (AICPA). As part of your review of the terms of this Agreement, please refer to the enclosed letter from Mr. Craig Wallace of the IAA Audit Contract Negotiating Committee.

Your specific obligations

You will not, and you will not permit others to, quote or refer to the Reports, any portion, summary or abstract thereof, or to EY or any other EY Firm, in any document filed or distributed in connection with (i) a purchase or sale of securities to which the United States or state securities laws (Securities Laws) are applicable, or (ii) periodic reporting obligations under Securities Laws. You will not contend that any provisions of Securities Laws could invalidate any provision of this agreement.

We also draw your attention to the reservations set out in paragraph 5 of the General Terms and Conditions of the MSA, as well as your management responsibilities under paragraph 6, your obligations under paragraphs 11 and 12, and your representation, as of the date hereof, under paragraph 26 thereof.

Specific additional terms and conditions

The Services are advisory in nature. EY will not render an assurance report or opinion under the Agreement, nor will the Services constitute an audit, review, examination, or other form of attestation as those terms are defined by the American Institute of Certified Public Accountants. None of the Services or any Reports will constitute any legal opinion or advice. We will not conduct a review to detect fraud or illegal acts.

Notwithstanding anything to the contrary in the Agreement or this SOW, we do not assume any responsibility for any third-party products, programs or services, their performance or compliance with your specifications or otherwise.

We will base any comments or recommendations as to the functional or technical capabilities of any products in use or being considered by you solely on information provided by your vendors, directly or through you. We are not responsible for the completeness or accuracy of any such information or for confirming any of it.

Where our written consent under the MSA is required for you to disclose to a third party any of our Reports (other than Tax Advice), we will also require that third party to execute a letter substantially in the form of Exhibit D to this SOW. To the extent the Agency is permitted to disclose any written Report as set forth herein, it shall disclose such Report only in the original, complete and unaltered form provided by EY, with all restrictive legends and other agreements intact.

Unless prohibited by applicable law, we may provide Client Information to other EY firms, EY Persons and external third parties, who may collect, use, transfer, store or otherwise process such information in various jurisdictions in which they operate in order to provide support services to any EY Firm and/or assist in the performance of the Services.

After the Services under this SOW have been completed, we may disclose or present to prospective clients, or otherwise in our marketing materials, that we have performed the Services for you, and we may use your name solely for that purpose, in accordance with applicable professional obligations. In addition, we may use your name, trademark, service mark and logo as reasonably necessary to perform the Services and in correspondence, including proposals, from us to you.

You shall not, while we are performing the Services hereunder and for a period of 12 months after they are completed, solicit for employment, or hire, any EY personnel involved in the performance of the Services, provided, that you may generally advertise available positions and hire EY personnel who either respond to such advertisements or who come to you on their own initiative without direct or indirect encouragement from you.

The Agency shall, among other responsibilities with respect to the Services, (i) make all management decisions and perform all management functions, including applying independent business judgment to EY work products, making implementation decisions and determining further courses of action in connection with any Services; (ii) assign a competent employee within senior management to make all management decisions with respect to the Services, oversee the Services and evaluate their adequacy and results; and

(iii) accept responsibility for the implementation of the results or recommendations contained in the Reports or otherwise in connection with the Services. The Agency hereby confirms that management of the Agency accepts responsibility for the sufficiency of the Services. In performing the Services neither EY nor EY's partners or employees will act as an employee of the Agency.

The Agency represents and warrants to EY that the Agency's execution and delivery of this Agreement has been authorized by all requisite corporate or other applicable entity action and the person signing this Agreement is expressly authorized to execute it on behalf of, and to bind, the Agency.

The performance of the Services and the parties' obligations in connection therewith are subject to the additional terms and conditions set forth in the MSA.

It is understood that the Agency is not bound by our findings in any controversy or disagreement between the Agency and the Department of Water Resources (the "Department") should the Agency disagree with our findings.

We would also request that, if any IAA member discovers discrepancies in billings or other financial statements relative to their State Water Project costs, in addition to your working with the Department to correct the error, please notify EY for potential future inclusion as part of their procedures related to all IAA members.

Fees and billing

The General Terms and Conditions of the Agreement address our fees and expenses generally.

The total fees for these Services to be rendered to the Agency, as well as an allocation of the total fees for each member Agency of the IAA, appear in Exhibits A and B attached (no procedures or fees have been allocated to Exhibit B in this contract). Our total fees pursuant to Exhibit A to be charged to all members of the IAA entering into agreements with us shall not exceed \$524,000 for the twelve months ending June 30, 2020. This agreement will not be effective unless, in addition to the Agency, a sufficient number of other IAA agencies enter into agreements with us for such Services whose combined allocated fee would represent not less than 80% of \$524,000 based on the 100% participation fee allocation (see column 2 at A-4). If all agencies who are presently participating in the Services rendered by our firm enter into agreements with us for this twelve-month period, the maximum fees for our Services to your Agency will not exceed \$6,736 for Exhibit A. However, if not all of the participating agencies enter into agreements with us for services during the twelve-month period ending June 30, 2020, the maximum fees to your Agency will vary between the above-mentioned amount and \$8,420, which represents the maximum fees should sufficient agencies enter into agreements with us with a combined allocated fee of not less than 80%, as stated above.

In addition to the maximum fees under Exhibit A, maximum fees under Exhibit B shall not exceed a total of \$50,000 or \$643 for the Agency unless agreed to by the IAA. As noted above, no procedures have been allocated to Exhibit B. Prior to any expenditures under Exhibit B, said work must be specifically requested in writing in advance of any work being performed. Areas of potential focus for Exhibit B projects could

include procedures agreed to by EY and the IAA in advance related to one or more of the items identified in Exhibit A. In prior years Exhibit B special projects have included projects such as assessing implementation and billing issues relating to the new SAP-based Cost Allocation and Repayment Analysis System (CARA), and studies to evaluate a pay-as-you-go system for funding conservation related operating costs incurred by the Department.

We have also included Exhibit C as part of this contract, which provides the opportunity for individual Contractors to enter into separate agreements for additional services with EY. There are currently no fees related to Exhibit C included herein.

The results of our procedures will include a presentation of our findings, observations and recommendations to be held in Sacramento, California for any interested Contractors. Any presentations requested at individual Contractor locations will be negotiated with the individual Contractor under Exhibit C and will be paid for by that Contractor.

Invoices for time and expenses will be billed monthly and are due upon receipt.



In witness whereof, the parties have executed this SOW as of the date set forth above.

Palmdale Water District

Ernst & Young, LLP

Representative

Representative

Signature

Signature

Dennis D. LaMoreaux

Joe Pirnik

Printed Name

Printed Name

General Manager

Authorized Signatory

Title

Title

Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550

Ernst & Young LLP
Suite 300
2901 Douglas Boulevard
Roseville, CA 95661

Address

Address

July 8, 2019

June 28, 2019

Date

Date

EXHIBIT A**I. SCOPE OF ENGAGEMENT**

- A-1 EY will work with the IAA, the SWC Audit/Finance Committee, and any subcommittees thereof, and the Department during the twelve months ending June 30, 2020 relating to matters currently being discussed between the SWC and the Department.

EY's Services to be rendered as described in this Exhibit shall be determined by the IAA at its discretion. These Services shall include:

1. Completion of the 2019/2020 procedures as outlined further below
2. Participation in all meetings of the SWC Audit/Finance Committee, which is a basic forum for communications between the State Water Project Contractors and the Department's staff on financial and accounting matters.
3. Cooperation with any subcommittees of the IAA assigned to study and resolve specific problem areas, such as the dispute resolution work group.
4. Review of reports and other documents prepared by the Department and disseminated at these meetings.
5. Provide an annual report setting forth the findings, comments, and recommendations related to our Services.

Report definitions

The assessment of risk of future occurrence, included in the findings summary tables in the report, provides the IAA with a meaningful measurement of the likelihood of similar findings in subsequent years if this issue is not addressed by the appropriate parties. This assessment of risk of future occurrence is based on knowledge obtained during discussions with the Department personnel and performance of procedures under this Exhibit A. Below are the definitions used in the report of findings and recommendations for the twelve months ending June 30, 2020 and we concur with these definitions.

Risk of Future Occurrence:

- A. High – it is highly likely (or probable) that the error or process failure will be repeated
- B. Medium – it is more likely than not that the error or process failure will be repeated
- C. Low – it is possible that the error or process failure will be repeated

During the twelve months ending June 30, 2020, the Services will include the following procedures.

2019/2020 Procedures

The procedures for the fiscal year ended June 30, 2020 were designed using estimated budgeted hours of 3,000. We will perform all procedures included in items 1-6 below. We will perform the procedures in items 7-8 if time permits. As a part of these procedures, we will regularly meet with the IAA to discuss the progress under this engagement. We will also submit the Report to each Agency setting forth the findings, observations, and recommendations related to our Services.

The following items represent the risks, risk factors, and procedures requested and determined by the IAA for the Contractors to be performed for the 2020 Statement of Charges (SOC) engagement:

Primary Procedures (Items 1-6)**1. Statement of Charges Testing***Risk:*

- Incorrect amounts billed to Contractors for each component by the Department.

Risk Factors:

- Manual adjustments made to SAP data to arrive at amounts billed. Manual processes create opportunities for errors.
- High importance of accurate Contractor bills.
- Actual costs reported in the bills can be misstated.

Areas of Focus:

- Determine that all SOC amounts are internally consistent and agree to the Bulletin 132-19 for the Contractors selected for testing (to be provided by the IAA).
- Agree the debt service amounts in the SOC Attachments to the appropriate debt service schedule.
- Comparison of the current year SOC Attachments to the prior year SOC Attachments.
- Assessment of manual adjustments.
- Assess the actual costs charged to various areas of the project.
- Assess the factors for distributing reach capital and minimum costs among the Contractors.

2. Delta Water Charge

Risk:

- Incorrect amounts charged to Contractors for conservation based on actual and estimated costs.

Risk Factors:

- Calculation of Delta Water Charge is a manual process.
- Tracking of Oroville Spillway costs and reimbursement and segregation between response and recovery costs is a manual process.
- Potential for high dollar impact (\$288 million in Delta Water Charge in 2017 per Table B-21)

Areas of Focus:

- Recalculate the Delta Water Charge used in the SOC.
- For prior year actual costs included in the calculation, compare costs in SAP to the Department's calculation and investigate variances.
- Obtain an understanding of future estimates included in the calculation and perform appropriate procedures to assess such estimates.
- Test the Hyatt-Thermalito credit to the Delta Water Charge.

3. Alpha Allocation Cycles

Risk:

- Incorrect Contractor charged and/or incorrect allocation of costs between Contractors.

Risk Factors:

- The F-series and SAA alpha allocation cycles update performed on an annual basis is a manual process. Manual processes create opportunities for errors.
- Potential for errors in determining work performed that falls under direct to reach, field division, and state-wide allocations.
- Potential for high dollar impact (\$246 million allocated by alpha allocation cycles in 2017).

Areas of Focus:

- Examine all cost centers from SAP to determine which cost centers represent alpha cost centers.
- Select alpha cost centers with the largest total annual costs.
- Review costs being posted to selected alpha cost centers based on activities charged to the alpha cost center through examination of invoices posted and discussions with the project managers, as necessary.
- Review the current year alpha standardization activity performed by the Department.
- Review the current year alpha update performed by the Department.
- Review the F-series and S-series updates performed by the Department.

4. Transportation Minimum and Capital Direct and Indirect Analysis

Risk:

- Incorrect amounts billed to Contractors for the transportation minimum and capital component by the Department.

Risk Factors:

- Direct and indirect costs may be allocated incorrectly through corresponding reaches.
- Judgment involved in selecting internal orders and work breakdown structures for billing to the Contractors create opportunities for incorrect allocations.
- Project manager's and employee's lack of understanding of importance of accurate time charging to correct internal orders and work breakdown structures create opportunities for incorrect allocations.

Areas of Focus:

- Obtain a listing of internal orders associated with costs for selected reaches and group like internal orders to perform a fluctuation analysis to the prior year.
- Assess or obtain the Department's grouping of like internal orders to assess if the Department is able to group information for managerial reporting. This could include internal order hierarchies in SAP that could be used to group like internal orders.
- Assess a sample of internal orders with the largest increase in costs from group like internal orders for direct and indirect cost allocations.
- Obtain supporting documentation to assess the work was performed for the selected reaches.

5. Reconciliation between PR5 and UCABS

Risk:

- Costs and revenues are not accurately billed to the Contractors based on inconsistencies between PR5 and UCABS.

Risk Factors:

- Costs and revenues do not accurately match between both systems.
- Manual process of moving costs between systems create opportunities for errors.
- Lack of review and approval of reconciliation process.

Areas of Focus:

- Gain an understanding of the reconciliation process performed by the Department.
- Reconcile all SWRDS PR5 costs and revenues included in the Bond Fund (0502), the Construction Fund (0506), and the Revenue Fund (0507) to the UCABS System for CY2017 and CY2018.
- Identify, document, and investigate all variances between the two systems (PR5 and UCABS).
- Assess and classify all variances into two categories, (1) Valid Variance – cost/revenue data should not be included in the cost recovery system and (2) Errant Variance – cost/revenue data should be included in the cost recovery system.
- Provide final assessment on the Department's recovery of all SWRDS costs. Is the Department either (1) including the SWRDS cost in a customer invoice or (2) receiving an appropriation to pay for the cost or (3) including in the 51(e) Revenue/Rate Management Credit Calculation which would disclose that the cost is using 51(e) Revenues as a funding source.

6. Rate Management Calculation Including Revenue and Cost Data

Risk:

- Rate Management Credits are improperly allocated among the Contractors.
- Rate Management Credits are improperly calculated based on the revenue and expenditure data in the funds available for rate management credits statement prepared by the Department.

Risk Factors:

- Calculation of Rate Management Credits is a manual process.
- Lack of review and approval process for the Rate Management Credit calculation.
- Outdated information used to calculate credits due to the Contractors.

Areas of Focus:

- Obtain the rate management allocation schedule used for the 2020 SOC and review the allocation methodology for sample selected.
- Obtain the most recent funds available data schedule for the rate management credits and assess a sample of the largest balances.
- Compare the figures selected to the future forecasts, and investigate any significant differences.
- Perform a review of revenues including systems revenue and 51e (amount in excess of Rate Management Credits).
- Perform a review of revenues and related cash funds.
- Assess the impact of audit findings on the revenues available for Rate Management Credits.

Other Procedures (Items 7-8)

These procedures will only be performed as time permits after completion of items 1-6 above and consideration of the estimated 3,000 hour time budget.

7. System Power Costs – Variable Transportation*Risk:*

- Incorrect Contractor charged and/or incorrect allocation of costs between Contractors.

Risk Factors:

- Calculation of the power allocation factors is a manual process. Manual processes create opportunities for errors.
- Estimated Table 2 projected costs (invoicing rate) may not reflect actual costs incurred.
- Potential for high dollar impact (\$345 million net system power costs in 2017 per Table B-3).

Areas of Focus:

- Vouch power costs and power revenues from SAP and assess the classification of costs.
- Reconcile the 2018 Preliminary Allocation of Power Costs (PALPOC) to UCABS (SAP). Recalculate appropriate inputs to the 2018 PALPOC (e.g., Value of Recovery Generation credits, direct-to-plant transmission, etc.).
- Recalculate the 2018 calendar year power allocation factors used in UCABS (SAP) to allocate net power costs.
- Recalculate the billed amounts for the transportation variable cost component for 2018 for the Contractors selected (to be provided by the IAA).

8. Debt Service Procedures

Risk:

- Incorrect bond debt service charged to the Contractors.

Risk Factors:

- Water System Revenue Bond Surcharge (WSRB) calculation is a manual process. Manual processes create opportunities for errors.
- Cost/debt reconciliation project ongoing adjustments to the calculation creates opportunities for errors.
- WSRB Surcharge currently does not reflect the results of the cost/debt reconciliation project.

Areas of Focus:

- Reconcile any new bond offerings to the debt service schedules.
- Assess changes made to the cost/debt reconciliation project from previous versions.

II. FEES FOR EY SERVICES

- A-2. Total fees for Exhibit A services performed by EY will not exceed \$524,000, including reasonable and necessary out-of-pocket expenses, which represent an estimated 3,000 hours to be incurred.

III. ALLOCATION OF FEES

- A-3. The maximum aggregate fee set forth in paragraph A-2 shall be apportioned among the agencies named in paragraph A-4 based on a basis consistent with prior years.

IV. MAXIMUM AGGREGATE FEE FOR EACH AGENCY

- A-4. The portion of the maximum aggregate fee set forth in paragraph A-2 applicable to each Agency in conformity with the methodology set forth in paragraph A-3 is shown below:

Agency	Maximum fee for each Agency, provided all agencies listed below enter into agreements with EY	Maximum fee for each Agency, provided 80% of agencies listed below enter into agreements with EY	Percent of total
Alameda County Flood Control and Water Conservation District, Zone No. 7	\$ 25,497	\$ 31,870	4.9%
Alameda County Water District	13,284	16,604	2.5
Antelope Valley-East Kern Water Agency	45,809	57,260	8.7
Casitas Municipal Water District	6,326	7,907	1.2
Central Coast Water Authority	14,385	17,981	2.7
City of Yuba City	3,036	3,795	0.6
Coachella Valley Water District	43,754	54,693	8.4
County of Kings	2,943	3,679	0.6
Crestline-Lake Arrowhead Water Agency	1,834	2,293	0.4
Desert Water Agency	17,631	22,039	3.4
Dudley Ridge Water District	14,342	17,928	2.7
Empire West Side Irrigation District	949	1,186	0.2
Kern County Water Agency	131,000	163,750	25.0
Little Rock Creek Irrigation District	727	909	0.1
Mojave Water Agency	27,135	33,919	5.2
Napa County Flood Control and Water Conservation District	9,179	11,474	1.8
Palmdale Water District	6,736	8,420	1.3
San Bernardino Valley Municipal Water District	32,448	40,560	6.2
San Gabriel Valley Municipal Water District	9,108	11,385	1.7
San Geronio Pass Water Agency	5,471	6,839	1.0
San Luis Obispo County Flood Control and Water Conservation District	7,906	9,883	1.5
Santa Clara Valley Water District	31,626	39,533	6.0
Santa Clarita Valley Water Agency	30,108	37,635	5.7
Solano County Water Agency	15,103	18,879	2.9
Tulare Lake Basin Water Storage District	27,663	34,579	5.3
Total	<u>\$ 524,000</u>		<u>100.0%</u>

V. PAYMENT SCHEDULE

This is the payment schedule for the Agency.

<u>August 9, 2019 Billing</u>	<u>September 10, 2019 Billing</u>	<u>October 10, 2019 Billing</u>	<u>November 11, 2019 Billing</u>	<u>December 10, 2019 Billing</u>	<u>Total Billing</u>
\$2,021	\$1,347	\$1,347	\$1,347	\$674	\$6,736

EXHIBIT B**I. OTHER CONSULTING SERVICES**

EY shall, during the twelve months ending June 30, 2020, perform other services if requested by the IAA. No such work shall be performed unless specifically authorized by the IAA in writing. Areas of potential focus for Exhibit B projects could include in depth procedures agreed to by EY and the IAA in advance related to one or more of the items identified in Exhibit A.

Total fees for such other consulting services shall 1) be agreed to prior to commencement of work, 2) be allocated among the agencies based on the same procedures included in the Exhibit A allocation, and 3) shall not exceed \$50,000, which represents an estimated 285 hours to be incurred, unless agreed to by the IAA, for the year ended June 30, 2020. Any part of the \$50,000 which is unused shall not be billed.

<u>Agency</u>	<u>Maximum fee for each Agency, provided all Agencies listed below enter into agreements with EY</u>	<u>Percent of total</u>
Alameda County Flood Control and Water Conservation District, Zone No.7	\$ 2,433	4.9%
Alameda County Water District	1,267	2.5
Antelope Valley-East Kern Water Agency	4,371	8.7
Casitas Municipal Water District	604	1.2
Central Coast Water Authority	1,373	2.7
City of Yuba City	290	0.6
Coachella Valley Water District	4,175	8.4
County of Kings	281	0.6
Crestline-Lake Arrowhead Water Agency	175	0.4
Desert Water Agency	1,681	3.4
Dudley Ridge Water District	1,369	2.7
Empire West Side Irrigation District	91	0.2
Kern County Water Agency	12,500	25.0
Littlerock Creek Irrigation District	69	0.1
Mojave Water Agency	2,589	5.2
Napa County Flood Control and Water Conservation District	876	1.8
Palmdale Water District	643	1.3
San Bernardino Valley Municipal Water District	3,096	6.2
San Gabriel Valley Municipal Water District	869	1.7
San Geronio Pass Water Agency	522	1.0
San Luis Obispo County Flood Control and Water Conservation District	754	1.5
Santa Clara Valley Water District	3,018	6.0
Santa Clarita Valley Water Agency	2,873	5.7
Solano County Water Agency	1,441	2.9
Tulare Lake Basin Water Storage District	<u>2,640</u>	<u>5.3</u>
Total	<u>\$ 50,000</u>	<u>100%</u>

EXHIBIT C**I. INDIVIDUAL CONTRACTOR AGREEMENTS**

EY may, during the twelve months ending June 30, 2020, perform other consulting services as requested by individual Contractors. These services will be performed and billed separately from the services outlined in Exhibits A and B.

The terms and conditions of any procedures performed under Exhibit C, including payment terms, will be outlined in a separate Statement of Work (SOW). These services, which will be agreed to by EY and the requesting Contractor in advance, will be documented in the example SOW attached to herein as Exhibit C-1. An Exhibit C-1 statement of work will be made available to any Contractor upon request. All other provisions of the Contractor's signed contract with EY for the twelve months ending June 30, 2020 will continue to be in effect.

Total fees for such other consulting services shall be agreed to with the individual Contractor prior to commencement of work. The fees for services provided under Exhibit C will be outside of those referenced in Exhibits A and B, and will be paid for directly by the requesting Contractor.

EXHIBIT C-1**Statement of Work**

This Statement of Work with the attached Exhibit, dated June 28, 2019 (this SOW) is made by Ernst & Young LLP (“we” or “EY”) and Palmdale Water District on behalf of itself (“you” or “Client”), pursuant to the Agreement, dated June 28, 2019 (the Agreement), between EY and Palmdale Water District (the Agency).

Except as otherwise set forth in this SOW, this SOW incorporates by reference, and is deemed to be a part of, the Agreement. The additional terms and conditions of this SOW shall apply only to the Services covered by this SOW and not to Services covered by any other Statement of Work pursuant to the Master Services Agreement (MSA) by and between EY and the Agency dated May 31, 2017. Capitalized terms used, but not otherwise defined, in this SOW shall have the meanings defined in the MSA, including references in the Agreement to “you” or “Client” shall be deemed references to you.

Scope of services

Except as otherwise set forth in this SOW, this SOW incorporates by reference, and is deemed to be a part of, the Agreement. This SOW sets forth the terms and conditions on which EY will perform certain professional services as described [INSERT DEFINITION OF SERVICES] (the Services) for Agency, a member of the State Water Contractors Independent Audit Association (IAA), for the twelve months ending June 30, 2020.

Any changes to the above scope of work will be agreed upon in writing and signed by both parties and will amend this original SOW.

The Services are advisory in nature and will not constitute an audit performed in accordance with Generally Accepted Accounting Principles. EY will perform the Services in accordance with the Statement of Standards for Consulting Services (CS100) of the American Institute for Certified Public Accountants (AICPA).

Your specific obligations

You will not, and you will not permit others to, quote or refer to the Reports, any portion, summary or abstract thereof, or to EY or any other EY Firm, in any document filed or distributed in connection with (i) a purchase or sale of securities to which the United States or state securities laws (Securities Laws) are applicable, or (ii) periodic reporting obligations under Securities Laws. You will not contend that any provisions of Securities Laws could invalidate any provision of this agreement.

We also draw your attention to the reservations set out in paragraph 5 of the General Terms and Conditions of the MSA, as well as your management responsibilities under paragraph 6, your obligations under paragraphs 11 and 12, and your representation, as of the date hereof, under paragraph 26 thereof.

Specific additional terms and conditions

The Services are advisory in nature. EY will not render an assurance report or opinion under the Agreement, nor will the Services constitute an audit, review, examination, or other form of attestation as those terms are defined by the American Institute of Certified Public Accountants. None of the Services or any Reports will constitute any legal opinion or advice. We will not conduct a review to detect fraud or illegal acts.

Notwithstanding anything to the contrary in the Agreement or this SOW, we do not assume any responsibility for any third-party products, programs or services, their performance or compliance with your specifications or otherwise.

We will base any comments or recommendations as to the functional or technical capabilities of any products in use or being considered by you solely on information provided by your vendors, directly or through you. We are not responsible for the completeness or accuracy of any such information or for confirming any of it.

Where our written consent under the MSA is required for you to disclose to a third party any of our Reports (other than Tax Advice), we will also require that third party to execute a letter substantially in the form of Exhibit D to the Agreement. To the extent the Agency is permitted to disclose any written Report as set forth herein, it shall disclose such Report only in the original, complete and unaltered form provided by EY, with all restrictive legends and other agreements intact.

Unless prohibited by applicable law, we may provide Client Information to other EY firms, EY Persons and external third parties, who may collect, use, transfer, store or otherwise process such information in various jurisdictions in which they operate in order to provide support services to any EY Firm and/or assist in the performance of the Services.

After the Services under this SOW have been completed, we may disclose or present to prospective clients, or otherwise in our marketing materials, that we have performed the Services for you, and we may use your name solely for that purpose, in accordance with applicable professional obligations. In addition, we may use your name, trademark, service mark and logo as reasonably necessary to perform the Services and in correspondence, including proposals, from us to you.

You shall not, while we are performing the Services hereunder and for a period of 12 months after they are completed, solicit for employment, or hire, any EY personnel involved in the performance of the Services, provided, that you may generally advertise available positions and hire EY personnel who either respond to such advertisements or who come to you on their own initiative without direct or indirect encouragement from you.

The Agency shall, among other responsibilities with respect to the Services, (i) make all management decisions and perform all management functions, including applying independent business judgment to EY work products, making implementation decisions and determining further courses of action in connection with any Services; (ii) assign a competent employee within senior management to make all management decisions with respect to the Services, oversee the Services and evaluate their adequacy and results; and (iii) accept responsibility for the implementation of the results or recommendations contained in the Reports or otherwise in connection with the Services. The Agency hereby confirms that management of the Agency accepts responsibility for the sufficiency of the Services. In performing the Services neither EY nor EY's partners or employees will act as an employee of the Agency.

The Agency represents and warrants to EY that the Agency's execution and delivery of this Agreement has been authorized by all requisite corporate or other applicable entity action and the person signing this Agreement is expressly authorized to execute it on behalf of, and to bind, the Agency.

The performance of the Services and the parties' obligations in connection therewith are subject to the additional terms and conditions set forth in the MSA.

It is understood that the Agency is not bound by our findings in any controversy or disagreement between the Agency and the Department of Water Resources should the Agency disagree with our findings.

We would also request that, if any IAA member discovers discrepancies in billings or other financial statements relative to their State Water Project costs, in addition to your working with the Department to correct the error, please notify EY for potential future inclusion as part of their procedures related to all IAA members.

Project deliverables

The matrix below lists the specific deliverables and related timelines that EY will provide to **(insert Contractor)**.

Deliverable	Timeline	Comments

Additional responsibilities

EY will provide **(insert Contractor)** with a timeline/schedule related to all project deliverables prior to the start of work on the project.

EY will notify **(insert Contractor)** in writing of any incremental changes to the original project estimate.

Production of all elements described in the “Project deliverables” section of this SOW is to be included in the cost breakdown under the “Pricing and payment terms” section below, agreed upon by **(insert Contractor)** and EY for this project.

Fees and billing

Below is a summary of the current cost estimates for this SOW. Due to the complexities and variable nature of this project, actual costs could vary from these estimates. In the event costs are expected to exceed the estimate, EY will contact **(insert Contractor)** before performing any additional work.

Out-of-pocket expenses incurred during this contract are not included in the above SOW estimated cost. Expenses include such items as travel, meals, accommodations, and other administrative expenses based on actual amounts incurred.

Invoices for time and expenses will be billed monthly and are due upon receipt.

IN WITNESS WHEREOF, the parties hereto have executed this SOW as of the day and year written below.

Palmdale Water District

Ernst & Young, LLP

Representative

Representative

Signature

Signature

Printed Name

Printed Name

Title

Title

Address

Address

Date

Date

EXHIBIT D**FORM OF ACCESS LETTER**

[Letterhead of EY]

[Addressee (e.g., third party seeking access to EY Report)]
[Street Address]
[City, State Zip]

[Month XX, 20XX]

Dear [] :

[Client] (the “Client”) has informed Ernst & Young LLP (“EY”) that it wishes to disclose to [party seeking access] (the “Recipient”) EY’s [describe report(s)] , dated [] , relating to [describe subject] (the “Report(s)”). EY has not placed any limitations on the Client’s ability to disclose any contents of the Report relating to the tax aspects or structure of any transaction proposed by the Client.

EY performed Services only for the Client. EY did not undertake the Services on behalf of, or to serve the needs of, the Recipient or any other third party. As part of such services, EY did not audit the Client’s financial statements, subsequent to the date(s) of the Report(s).

EY prepared the Report(s) solely for the Client. The Report(s) address[es] only the issues identified by the Client, and [is/are] based solely on information obtained by EY using the procedures specified by the Client or otherwise provided by or on behalf of the Client. The Report(s) [is/are] subject to many limitations and [do/does] not provide any form of assurance with respect to any of the information referred to therein. The Recipient understands and accepts the scope and limitations of the Report(s).

Except (1) where compelled by legal process (of which the Recipient will immediately notify EY and tender to EY, if it so elects, the defense thereof), (2) with respect to any contents of the Report relating to the tax treatment and tax structure of the proposed transaction (including any facts that may be relevant to understanding the proposed tax treatment of the proposed transaction), or (3) with EY’s prior written consent, the Recipient will not, circulate, quote, disclose or distribute any of the Report(s) or any information contained therein, or any summary or abstract thereof, or make any reference thereto or to EY, to anyone other than the Recipient’s directors, officers or employees or legal advisors who, in each case, need to know its contents in order to _____ , and who have agreed to be bound by the terms and conditions of this agreement to the same extent as the Recipient.

The Recipient further agrees that it will not, and will not permit others to, quote or refer to the Report, any portion, summary or abstract thereof, or to EY, in any document filed or distributed in connection with (a) a purchase or sale of securities to which the United States or state securities laws ("Securities Laws") are applicable or (b) periodic reporting obligations under Securities Laws. The Recipient will not contend that any provisions of Securities Laws could invalidate any provision of this agreement.

In further consideration of EY allowing the Recipient access to the Report(s) and the information contained therein, the Recipient agrees that:

1. It does not acquire any rights against EY, and EY does not assume any duties or obligations to the Recipient or otherwise, as a result of such access.
2. It will not rely on the Report(s) or any portion thereof and will make no claim that it has done so.
3. It will make no claim against EY, its partners, employees or affiliates, or other members of the global Ernst & Young network (collectively, the "EY Parties" that relates in any way to the Report(s), any information contained therein, or the Recipient's access to the Report(s).
4. To the fullest extent permitted by applicable law, it will indemnify, defend and hold harmless the EY Parties from and against any claim or expense, including reasonable attorneys' fees, suffered or incurred by any EY Party relating to any breach by the Recipient of any of its representations or agreements contained herein or the use or disclosure of the Report(s) or any portion thereof by anyone who received it directly or indirectly from or at the request of the Recipient.

Very truly yours,

Ernst & Young LLP

Accepted by:

[Addressee]

By: _____

P A L M D A L E W A T E R D I S T R I C T
B O A R D M E M O R A N D U M

DATE: July 1, 2019 **July 8, 2019**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 7.1 – CONSIDERATION AND POSSIBLE ACTION
ON CALIFORNIA SPECIAL DISTRICTS ASSOCIATION’S 2019 BOARD
OF DIRECTORS ELECTION FOR SEAT B IN THE SOUTHERN
NETWORK FOR THE 2020-2022 TERM. (NO BUDGET IMPACT –
GENERAL MANAGER LaMOREAUX)***

Information for the California Special Districts Association (CSDA) 2019 election for Seat B of the Southern Network for the 2020-2022 term is attached for your consideration. The District is asked to vote for one candidate by August 9, 2019.

The candidates are as follows:

- Ronald Coats
East Valley Water District
- Dennis LaMoreaux
Palmdale Water District
- Michael Mack
Rainbow Municipal Water District
- Greg Mills
Serrano Water District
- Kelly Rivers
Orange County Cemetery District
- Kathleen Tiegs
Cucamonga Valley Water District
- Lindsay Woods
Hesperia Recreation and Park District

Supporting Documents:

- CSDA ballot
- All CSDA candidate statements and information sheets



**California Special
Districts Association**

CSDA

Districts Stronger Together

[Home](#)[How It Works](#)[Logout Dennis Lamoreaux](#)

Electronic Ballot - 2019 CSDA Board of Directors Election, (Seat B) Southern Network - Term 2020-2022

Please vote for your choice

Choose one of the following candidates:

- Ronald Coats - East Valley Water District
- Dennis LaMoreaux - Palmdale Water District
- Michael Mack - Rainbow Municipal Water District
- Greg Mills - Serrano Water District
- Kelly Rivers - Orange County Cemetery District
- Kathleen Tiegs - Cucamonga Valley Water District
- Lindsay Woods - Hesperia Recreation and Park District

☐ **Ronald Coats** [\[view details\]](#)

☐ **Dennis LaMoreaux** [\[view details\]](#)

☐ **Michael Mack** [\[view details\]](#)

☐ **Greg Mills** [\[view details\]](#)

☐ **Kelly Rivers** [\[view details\]](#)

☐ **Kathleen Tiegs** [\[view details\]](#)

☐ **Lindsay Woods** [\[view details\]](#)

Continue

Cancel



California Special
Districts Association
Districts Stronger Together

2019 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Ronald L. Coats

District/Company: East Valley Water District

Title: Governing Board Member

Elected/Appointed/Staff: Elected

Length of Service with District: Five Years

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

* Please see attached

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

* Please see attached

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

* Please see attached

4. List civic organization involvement:

* Please see attached

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.**

Ronald L. Coats – 2019 CSDA Board Candidate Information Sheet

1) Involvement with CSDA

- Served on the Member Services Committee and the Professional Development Committee.
- Received the Recognition in Special District Governance.
- Received my Certificate of Completion in the Special District Leadership Academy Advanced Coursework.
- Attended several workshops, webinars and conferences through CSDA.

2) State-wide Associations

1. Member of the California State Sheriff's Association (Over 30 Years)

3) Local government involvement

1. Currently serving as a Director, previously served as Vice Chair and Chairman of the Board for East Valley Water District (5 Years)
2. Currently serving as Vice Chair for the Advisory Committee on Water Policy for the San Bernardino Valley Municipal Water District (2 Years)
3. Served on the Citizens Advisory Committee for the Review of the General Plan for the City of San Bernardino (2 Years)
4. Served as a member, Vice Chair and Chairman of the Citizens Oversight Committee for the San Bernardino City Unified School District (12 Years)
5. Served as a member and Chairman of the Citizens Oversight Committee for the San Bernardino Community College District (3 Years)
6. Currently serving as a board member for the Association of San Bernardino County Special Districts (2 Years)

4) Civic involvement

1. Donated over 36 gallons of Blood to Life Stream Blood Bank in San Bernardino and Riverside Counties
2. Member of the American Legion Post 421 in Highland, CA. (Over 35 Years)
3. Conducted "mock" job interviews to seniors at Redlands Unified School District schools (3 Years)
4. Served on the Planning and Allocations and Community Impact Cabinet committees for the Arrowhead United Way (15 Years)
5. Served in the United States Army from August of 1966 until August of 1970, attaining the rank of Staff Sergeant. Served in the United States and The Federal Republic of Germany (4 Years)
6. Served as a member and Chairman of the Ambassadors for the San Bernardino Area Chamber of Commerce (15 Years)



EAST VALLEY WATER DISTRICT

LEADERSHIP | PARTNERSHIP | STEWARDSHIP

BOARD OF DIRECTORS

Chris Carrillo
President

David E. Smith
Vice President

Ronald L. Coats
Director

Phillip R. Goodrich
Director

James Morales, Jr.
Director

John Mura, General Manager/CEO

Dear Fellow CSDA Member:

Since joining the East Valley Water District Board in 2014, I have had the pleasure of being part of a world class organization. I firmly believe in the importance of transparent government and public service. With these foundational principles, I look forward to representing this region in a professional manner, as the Southern Network, Seat B, Board of Directors representative for the California Special Districts Association (CSDA).

I am a proud member of the California Special District's Association and currently sit on the Member Services Committee and the Professional Development Committee. I am committed to active civic engagement, where I was also an ambassador for the San Bernardino Area Chamber of Commerce; Chairman of the Citizens Oversight Committee for San Bernardino Community College District; Vice Chairman of Advisory Commission on Water Policy Board for San Bernardino Valley Municipal Water District; Budget Review Committee member for the San Bernardino City Unified School District; along with being a 36 gallon plus donor to Life Stream Blood Bank; served in the United States Army; and member of many other civic organizations.

I have had the opportunity to work with a number of organizations through my involvement with CSDA, and truly believe in the importance of sharing knowledge, experiences, and lessons learned. As a lifetime member of the CSDA Leadership Foundation, I have experienced the benefits of a strong peer network firsthand. With East Valley Water District recently receiving its Gold District of Distinction Accreditation, we look forward to continuing to be an active member in the valuable organization.

As a CSDA Director, I will bring that passion for good governance and public service. I look forward to conveying local issues for discussion on a broader level and working through the challenges and opportunities facing special districts in California.

Whether it is serving in the military, participation in local organization, or representing the residents East Valley Water District, I have taken great pride in being an active member of my community. I look forward to your consideration for allowing me the opportunity to serve on the board of our special district community.

Sincerely,

Ronald L. Coats
East Valley Water District Board Member



California Special
Districts Association
Districts Stronger Together

2019 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Dennis D. LaMoreaux, PE, SDA

District/Company: Palmdale Water District

Title: General Manager

Elected/Appointed/Staff: Staff

Length of Service with District: 30 years Palmdale Water District and Rosamond Community Services District

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

Regular attendee of Annual Conferences, General Manager Leadership Summit, Governance Certificate, Special District Institute Certificate in Special District Leadership & Management, Special District, Administrator, Coach in CSDA Coaching Program.

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

Active in ACWA and ACWA/JPIA

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

Participated in two MSR with the Los Angeles LAFCO, Executive Director for the Palmdale Recycled Water Authority, Chair of Antelope Valley Watermaster Advisory Committee.

4. List civic organization involvement:

Member of Palmdale, Hispanic, and Antelope Valley African American Chambers of Commerce.

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.**



**California Special
Districts Association**
Districts Stronger Together

Dennis D. LaMoreaux Candidate Statement:

Fellow Southern Network CSDA Members,

I respectfully ask for your support to be the Seat "B" Board member for our area. I have worked with special districts in California for more than three decades and am confident that I have the skills, experience and commitment to be a strong proponent for our Network. There were several challenges and changes to special districts during my tenure. These include Little Hoover Commission reports, gaining representation on Local Agency Formation Commissions, and multiple efforts to better inform and educate State legislators. These challenges were handled successfully and made us stronger and more unified. My involvement with these matters will be helpful for both our Network and the entire Association as new issues arise.

My 30-plus years with special districts have been with Palmdale Water District and Rosamond Community Services District. Palmdale Water District celebrated 100 years of serving the community in 2018. It is a medium-sized water district with about 27,000 water service connections. It is a State Water Contractor that operates in an adjudicated groundwater basin and owns two surface water reservoirs and dams. Rosamond Community Services District was formed in 1966 to provide services in its area. It is a smaller district with 5,103 water and 4,738 sewer connections. It also operates streetlights and provides graffiti abatement. My experience in these different types of districts is valuable and gives a well-rounded background to understand and advocate for our Network.

The Southern Network has a large area and nearly 200 member agencies. I am fully committed to representing the entire Network as a board director. With your votes, I will be honored to work with current Southern Network Directors Arlene Schafer and Jo MacKenzie to make sure our needs are met and are well represented within the full CSDA Board.



California Special
Districts Association
Districts Stronger Together

2019 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Michael Mack

District/Company: Rainbow Municipal Water District

Title: Director

Elected/Appointed/Staff: Elected

Length of Service with District: 2 yrs. 3 months

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

Serve as the RMWD Representative at the local and statewide CSDA meetings conferences; academy accreditation has been achieved.

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

Serve as the RMWD Representative at ACWA and attend the ACWA conferences.

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

4. List civic organization involvement:

Rainbow Association of Rainbow Community
<ARC>

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.**

ENDLESS POSSIBILITIES



My name is Michael Mack and I am honored to be seeking election to be on the Board of Directors of California Special Districts Association.

I was elected to the Rainbow Municipal Water District Board of Directors in December 2016 and appointed to serve as the District's representative at both ACWA and CSDA. My background includes a degree in horticulture and worked for the City of San Marcos for over thirty years. As the Parks Department Supervisor, I had many responsibilities including reviewing plans and inspection of new park and street median installations. I was both a Certified Playground Inspector and Irrigation Auditor. One of my main responsibilities was ensuring efficient usage of water resources. I calculated, determined, and programmed water requirements for the plant material for all parks and street medians within the City.

I have learned the importance of CSDA is we are the support system to help ensure efficient and productive services to both small and large communities throughout California at the local level of city governments. As your CSDA Board Member, I see endless possibilities and promise to tackle and meet the challenges our districts face. We all must work together for present and future needs for our special districts and by doing so we can and will achieve our goals. We must be proactive with our legislators and with this energy and commitment we can make the difference between success and failure.

I am very honored to have this chance to serve all of you and given this opportunity. I feel extensive service and experience in the public sector, I will work effortlessly to make those endless possibilities become reality.



California Special
Districts Association
Districts Stronger Together

2019 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Greg Mills

District/Company: Serrano Water District

Title: Vice President/Director

Elected/Appointed/Staff: _____

Length of Service with District: 3 years

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

Actively attends conferences.

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

ACWA-JPIA Board member - 1 year

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

Orange County Sanitation District (Director two years); Orange County

Vector Control (Director three years); Villa Park City Councilman

& Mayor (4 years).

4. List civic organization involvement:

Villa Park Rotary (21 years); Indian Princess (7 years); Elks Club

(seven years).

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.**



California Special
Districts Association
Districts Stronger Together

2019 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Kelly A. Rivers

District/Company: Orange County Cemetery District

Title: Trustee

Elected/Appointed/Staff: Appointed

Length of Service with District: 3 years - 2 months

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

Received Recognition in Special District Governance Dec. 2016

Attendance at the CSDA Annual Conferences

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

Currently Board of Director on the California Association of Public Cemeteries (CAPC)

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

Regularly attends the Independent Special Districts of Orange County Meetings

4. List civic organization involvement:

Huntington Beach Historical Society, Huntington Beach 4th of July Parade Board

Huntington Beach Historic Resources Board, Boy Scouts of America Unit Commissioner

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.**



Kelly A. Rivers
Board of Trustees
Orange County Cemetery District

Hello,

My name is Kelly Rivers, and I am running for the California Special Districts Association (CSDA) Board of Directors. I am excited for the opportunity to do my part for Special Districts in California, and will strive to expand awareness with both legislators and the public of the vital role special districts play.

Serving my community is a passion and it is a responsibility I take seriously. I am in my fourth year as a Board of Trustee for the Orange County Cemetery District, and recently completed my first term as Board Chair for 2018. I am also Chair of the District's Personnel Committee and serve as a member of the Communications & Public Relations Committee. In addition, I serve as a Board of Director for the California Association of Public Cemeteries (CAPC).

I have been a community volunteer my entire life, working with cemeteries, historical sites and planning and organizing special community events. I am the President of the Huntington Beach Historical Society and manage two of the largest living history events in California that attract thousands of visitors annually. During my tenure, I have vastly improved public outreach by successfully involving the community and effectively partnering with local businesses and public services.

It would be an honor to represent my fellow Special District members on the CSDA Board for the Southern Network and I humbly ask for your support. I believe my background, experience, and commitment to public service will be an asset to you and to our association. I appreciate your consideration.



California Special
Districts Association
Districts Stronger Together

2019 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Kathleen J. Tiegs

District/Company: Cucamonga Valley Water District

Title: Director, Division 2

Elected/Appointed/Staff: Elected

Length of Service with District: + 13 years

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

Currently serve on the Legislative Committee (have also served on the Membership & By-Laws Committees). Attend the CSDA Annual Conference and Special Districts Legislative Days every year. Have completed courses through the Special District Leadership Academy and attend local workshops and classes offered by CSDA.

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

*ACWA (2008 – Present)- President & Vice President, Region 9 Board Member, and Federal Affairs, State Legislative, Water Resources, and Groundwater Cmtes.

*ACWA/JPIA (2008 – Present)- Board Member, and Executive and Employee Benefits Cmtes.

*Southern California Water Coalition (2016 – Present) Chair, Vice Chair, and Legislative Task Force.

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

*Association of San Bernardino County Special Districts (2010-2015)



**California Special
Districts Association**
Districts Stronger Together

4. List civic organization involvement:

Inland Empire Utilities Agency (IEUA) Regional Sewerage Policy Committee, Davenport

Institute Advisory Council

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.**

Kathleen J. Tiegs

2020-2022 California Special Districts Association
Board of Directors, Southern Network, Seat B



I am pleased to share with you my interest in serving as the Southern Network, Seat B, representative for the California Special Districts Association (CSDA) Board of Directors. Through my involvement with CSDA since 2011, I have served with great passion and commitment on the Board of Directors, and the Membership, Legislative, and By-laws Committees.

My experience on the Cucamonga Valley Water District (CVWD) Board of Directors has provided me with a solid foundation to lead. Elected to the CVWD in November 2005, I have served as the Board President and currently serve on the Legislative and Outreach, and Human Resources/Risk Management Committees. From 2014 to 2017 I was honored to serve in the capacity of President and Vice President of the Association of California Water Agencies (ACWA). My duties at ACWA provided me the extremely valuable opportunity to effectively dialogue with special districts across the state on the important issues they are facing and how we can solve them.

I also served on the Association of San Bernardino County Special Districts Board of Directors from 2010 – 2015 where I developed a network of colleagues in a variety of agencies with a common goal of serving the needs of our constituents. There are numerous critical issues that confront special districts today; these challenges will require strong, experienced leadership, as well as a commitment to preserving the special district's mission to make communities better by providing core local services and taking action through community collaboration.

Thank you for allowing me to share with you my experience, leadership and knowledge. I look forward to serving you and the entire CSDA organization.

With Best Regards,

Kathleen J. Tiegs



**California Special
Districts Association**
Districts Stronger Together

2019 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information MUST accompany your nomination form and Resolution/minute order:

Name: Lindsay Woods

District/Company: Hesperia Recreation and Park District

Title: General Manager

Elected/Appointed/Staff: Staff

Length of Service with District: 32 years

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

- Professional Development Committee
- Elections & Bylaws Committee
- Board Secretary Graduate
- Special District Leadership Academy Graduate
- Recognition in Governance Certificate
- General Manager's Summit Attendee
- Annual Conference Attendee
- Legislative Days Attendee

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

- CAPRI: California Association of Park and Recreation Indemnity – Current Board President
 - Personnel/Finance Committee Chair
- CARPD: California Association of Recreation and Park Districts – Current Board Member
 - Bylaws and Elections Committee
 - Annual Conference Committee
 - Awards Committee
 - CSDA Representative
- California Park and Recreation Society
- California Peace Officers Association
- Park Rangers Association of California

3. List local government involvement (such as LAFCO, Association of Governments, etc.):

- Tri Agency Committee Member for 8 years
- Agency Membership in Association of San Bernardino County Special Districts
- Institute for Local Government

4. List civic organization involvement:

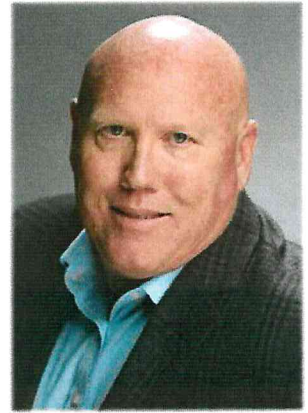
- Hesperia Chamber of Commerce
- Kiwanis International & CALNEHA Lifetime Membership Recipient
- Rotary Club of the High Desert
- Hesperia Area Recreation District Foundation, Executive Director
- American Red Cross, Past Board Member, Current Volunteer and Instructor
- California State Parks Association

****Candidate Statement-**Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot mailing.

Candidate for the CSDA Board of Directors

Lindsay Woods

Dedicated to special districts and the VITAL services we all provide our communities.



CSDA's success is due to the work member agencies do in their communities, the hard work of the staff, and 50 years of strong board leadership. I believe being a successful board member is about the approach you take to understand the items before you. My approach is:

- **Include others who lend understanding to the issues before the board.**
- **Understand how things are done and consider if there is a better approach.**
- **Remain open to new ideas and embrace change.**
- **Understanding the mission, vision and purpose of the organization.**

It has been a privilege and honor to be active with CSDA by serving at the committee level, representing the California Special Districts Association's Southern Network. I have served the Hesperia Recreation and Park District (HRPD) since 1987 in a variety of capacities. In addition, I have experience serving as a board member on statewide organizations. I believe these experiences have prepared me to serve CSDA in the role of Board Member.

With your support I will serve you, your agency, and other member districts of CSDA with the same high level of professionalism, dedication, service, and innovation that I have provided to the residents of Hesperia. If elected, I will work cooperatively with the other CSDA Board of Directors to advance the work of special districts throughout the state and work with other organizations to protect districts and the vital services we provide to our communities. We all face many of the same challenges, and I want to be an active part of the future of CSDA as we work to educate, strengthen, and defend special districts both now and in the future. Lastly, I am committed to working hard to keep our Districts intact.

Please feel free to view more about me on my profile on the CSDA website.

Your District's vote will be greatly appreciated.



AGENDA ITEM NO. 7.2
Hotel and Travel
Accommodations

Event Name/Date:

WaterSmart Innovations 2019 Conference/October 1 - 4, 2019

CONTACT INFORMATION

First Name

Last Name

Date

ACCOMMODATION INFORMATION

Rooms and rates are subject to availability. Complete and submit this form as soon as possible to guarantee a room at the host hotel. In the event that the host hotel is booked, every effort will be made to secure a room at the closest hotel within comparable rates to the event discounted rate.

Arrival Date

Departure Date

No. of guests

Room Type

Do you require a smoking room?

☐ Yes ☐ No

Do you need transportation from the airport to the hotel?

☐ Yes ☐ No

Flight Number

Time

ADDITIONAL INFORMATION/REQUESTS

Staff Representative



George Hawkins to keynote 12th annual WaterSmart Innovations Conference & Expo

George Hawkins, former CEO and general manager of DC Water, will deliver the keynote opening address for the 12th annual WaterSmart Innovations Conference and Exposition in Las Vegas on Wednesday, October 2.

Hawkins launched his leadership and innovation-focused consulting business Moonshot LLC, and a parallel non-profit enterprise Moonshot Missions, after stepping down from DC Water, where he served for 11 years, including several as a Board member.

During his tenure, he became well known across the water sector for transforming DC Water into an innovative, customer-driven enterprise, while tripling its investment in clean water.

Hawkins serves on the National Infrastructure Advisory Council, and is a strategic advisor to Xylem, Inc., one of the world's largest water technology companies. He also is an Executive in Residence for XPV Water Partners, a private equity firm that focuses on innovative water technologies, and as a Professor of Practice for American University's School of Public Affairs, where he teaches graduate students about urban development, infrastructure and innovation.

Prior to joining DC Water, Hawkins was Director of the District of Columbia Department of Energy and the Environment and served as Executive Director of several non-profit organizations in New Jersey, including the Watershed Institute. He previously held senior positions with the U.S. Environmental Protection Agency and the law firm Ropes & Gray.

Reserve your space today in the WSI Expo Hall

If your company or organization has a water-efficiency product or service to share with professionals from around the world, then be sure to reserve your space in the WSI Expo Hall. Beginning March 25, exhibit booths measuring 10' x 10' are available for \$1,845 each. Book your exhibit space and pay a 50 percent deposit by May 1, and your company/organization will receive two (2) full conference registrations for your staff, giving them access to the Awards Luncheon on Thursday, October 3 and all professional sessions. For more information, go to the Expo tab or contact Jennifer Picchione at jen@watersmartinnovations.com.

“Early Bird” Registration opens May 1

WSI will open “Early Bird” full-conference attendee registration (at \$335) on Wednesday, May 1. After Saturday, June 1, full-conference registration will be \$395. Register early and save some money by using the authorization code gettheworm.

South Point Hotel and Conference Center

9777 Las Vegas Blvd. South

Las Vegas, NV 89123

WaterSmart Innovations is being held at the South Point Hotel and Conference Center located in the heart of the premiere southwest Las Vegas valley, just minutes away from the famous Las Vegas Strip. Some of our many amenities include a 16-screen Century Theatre movie complex, 64-lane bowling center and a handful of restaurants that cater to all appetites and tastes. Our casino features a large selection of table games and the latest slot and video poker machines. Our distinctive hotel features spacious rooms and suites with 42-inch LED televisions, Point Plush mattresses and Wireless Fidelity throughout. A unique feature to this property is its Equestrian Center, which is the finest horse facility in the country. South Point also has a fabulous 400-seat showroom that features headliner entertainment and dancing to live bands on weekends. Stop by the South Point Hotel, Casino and Spa today, we are sure you will want to stay.

Room Rates :

Sunday - Thursday: \$85.00 | 13.38% Room Tax (Room Tax Subject to Change) | \$14.00 Per Night
Resort Fee (Reduced Resort Fee)

Friday & Saturday: \$120.00 | 13.38% Room Tax (Room Tax Subject to Change) | \$14.00 Per Night
Resort Fee (Reduced Resort Fee)

Please note: If you book outside of WaterSmart Innovations block, the resort fee will be \$21 per night.

Reservations must be made by September 18, 2019 to receive Group rates and benefits.

To reserve your room please call the South Point directly at 866-791-7626. Reference group code WAT2019 for best rates available. To reserve your room online, please use this link.

WaterSmart Innovations 2019 Schedule

At WaterSmart Innovations, attendees will connect with the resources they need in an atmosphere of networking, collaboration and learning. The conference offers a wide range of professional and poster sessions, pre-show workshops, post-show technical tours and an expansive exhibit hall.

- Tuesday, October 1



7:00 am - 5:00 pm	Conference registration open - Conference Center
8:00 am - 12:00 pm	Pre-show workshops - Sonoma & Napa Rooms
8:00 am - 5:00 pm	Exhibitor setup - Exhibit Hall B
8:00 am - 5:00 pm	Exhibitor registration open - Conference Center
8:30 am - 3:30 pm	AWE Committee Meeting - Napa A
10:00 am - 5:00 pm	Technical tours
1:00 pm - 5:00 pm	Pre-show workshops - Sonoma & Napa Rooms
5:00 pm - 7:30 pm	AWE Annual Meeting - Sonoma C

- Wednesday, October 2



7:00 am - 9:00 am	SWAT Roundtable meeting - Sonoma C
8:00 am - 5:00 pm	Conference registration open - Conference Center
9:15 am - 10:15 am	Keynote opening session Ballroom B
10:15 am - 12:00 pm	Coffee break & Give-away drawings, WSI 2019 Expo Hall
10:15 am - 5:00 pm	Expo Hall open

11:00 am - 12:00 pm	Poster sessions, WSI 2019 Expo Hall
1:00 pm - 5:05 pm	Professional sessions - Sonoma & Napa Rooms
2:10 pm - 3:15 pm	Coffee break & Give-away drawings, WSI 2019 Expo Hall

- Thursday, October 3



8:00 am - 5:00 pm	Conference registration open
9:00 am - 11:30 am	Professional sessions - Napa & Sonoma Rooms
11:30 am - 1:30 pm	Luncheon - AWE/EPA WaterSense Awards - Ballroom B
1:30 pm - 2:15 pm	Give-away drawings, WSI 2019 Expo Hall
1:30 pm - 6:30 pm	Expo Hall open
2:15 pm - 4:45 pm	Afternoon professional sessions - Napa & Sonoma Rooms
4:45 pm - 5:45 pm	Poster sessions, WSI 2019 Expo Hall
4:45 pm - 6:30 pm	Sponsored cocktail reception, and Give-away Drawings, WSI 2019 Expo Hall
7:00 pm - 8:30 pm	Booth dismantle

- Friday, October 4



8:00 am - 12:05 pm	Booth dismantle
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Pre-show workshops add bang for your buck

Several pre-show workshops scheduled for Tuesday, October 1, will provide water-efficiency professionals with added bang for their WSI buck. Although not included in the WSI conference registration fee, the pre-show workshops cover a range of topics of interest to professionals working in a broad spectrum of disciplines. Each half-day workshop is \$50.00. Full-day workshops are \$80.00. Participants have the option of taking both the Conservation 101 and Cost-Benefit Analysis workshops for the discounted rate of \$80. You will have the opportunity to sign up for them in the registration process. If you are not attending the full conference, you can register as a guest or Expo only and add the workshop to your registration.

Pre-Show Workshops:

Date/Time/Room	Name	Speaker	Price
Tuesday, October 1 7:00 am - 5:00 pm Choose One:	Watershed Wise Landscape Professional Certification	Pamela Berstler, G3, Green Gardens Group	\$80.00
Tuesday, October 1 8:00 am - 12:00 pm Choose One:	Water Conservation 101: Get Ready, Set Go	Michelle Maddaus, Maddaus Water Management Inc.	\$50.00
Tuesday, October 1 9:00 AM - 12:00 PM	Principles of Water Loss Management - morning session only	Will Jernigan, Cavanaugh & Associates Steve Cavanaugh, Cavanaugh & Associates Reinhard Strum, Water System Optimization	\$50.00
Tuesday, October 1 9:00 AM - 5:00 PM Choose One:	Principals and Practice of Water Loss Management - full day	Will Jernigan, Cavanaugh & Associates Steve Cavanaugh, Cavanaugh & Associates Reinhard Strum, Water System Optimization	\$80.00
Tuesday, October 1 1:00 pm - 5:00 pm Choose One:	Benefit-Cost Analysis	Michelle Maddaus, Maddaus Water Management Inc.	\$50.00

Watershed Wise Landscape Professional Certification

Presenters:

Pamela Berstler, G3, Green Gardens Group

Become a Certified Watershed Wise Landscape Professional at the annual WaterSmart Innovations 2019 Conference and learn how to bring this certification to your region.

G3 takes you through its unique and acclaimed WaterSense-recognized certification workshop in 8 hours instead of the usual 16 (because you are already knowledgeable about water efficiency!) The exam is offered immediately following the workshop.

This certification combines rainwater use efficiency with irrigation efficiency to put a whole new spin on outdoor water demand reduction. Bring a forward-looking professional certification program to your region that ensures trained landscape professionals are ready for the new normal of water-efficient landscaping, the watershed approach.

Water Conservation 101: Get Ready, Set Go

Presenters:

Michelle Maddaus, Maddaus Water Management Inc.

For water efficiency beginners, experienced managers, and all other interested parties, this workshop will provide an overview of the essential ingredients and steps involved in developing a successful water conservation plan and program. An overview of the latest in water-saving technologies, policies, analytical models and software tools (e.g., AWE Water Conservation Tracking Tool, AWWA Water Audit software, and EPA WaterSense Water Budget Tool) will be provided along with case studies and other tips to connect and thrive in the world of water conservation and efficiency. "How to" steps and topics to be covered will include:

1. Definitions of a Successful Water Conservation Program
2. Water-Saving Goals
3. Data Analytics: Customer and System Water Use Profiles
4. State-Of-The-Art In Water-Saving Measures And Incentives
5. Potential Water Savings, Benefits And Costs
6. Water Conservation Planning-Budget, Staffing, Schedule
7. Program Implementation
8. Program Monitoring and Evaluation
9. Water Conservation Network
10. Southern Nevada Water Authority: Program Overview

Principles of Water Loss Management - morning session only

Presenters:

Will Jernigan, Cavanaugh & Associates

Steve Cavanaugh, Cavanaugh & Associates

Reinhard Strum, Water System Optimization

Join some of the nation's foremost experts on water loss management for this two-part workshop.

The 3-hour morning session will focus on the drivers and impacts of water loss management with an overview of water supply, infrastructure, revenue and regulatory implications. This portion is ideal for management and efficiency professionals who want to better understand the core components and benefits of an effective utility water loss program.

If you want to take both morning and afternoon sessions, please register for Principals and Practice of Water Loss Management

Principals and Practice of Water Loss Management - full day

Presenters:

Will Jernigan, Cavanaugh & Associates

Steve Cavanaugh, Cavanaugh & Associates

Reinhard Strum, Water System Optimization

Join some of the nation's foremost experts on water loss management for this two-part workshop.

The 3-hour morning session will focus on the drivers and impacts of water loss management with an overview of water supply, infrastructure, revenue and regulatory implications. This portion is ideal for management and efficiency professionals who want to better understand the core components and benefits of an effective utility water loss program.

The 4-hour afternoon session will get into the "nuts and bolts" of water loss assessments and includes exercises to put the principles into practice using the IWA/AWWA M36 methodology and Free Water Audit Software Tool. This session is highly recommended for technical professionals and analysts who are preparing to conduct or oversee full-scale audits.

If you wish to enroll in the morning session only, please select the Principles of Water Loss Management session.

To ensure quality, enrollment in these sessions is limited. Register early to ensure your seat.

Benefit-Cost Analysis

Presenters:

Michelle Maddaus, Maddaus Water Management Inc.

Benefit-Cost analysis has been used for years to prioritize water conservation measures. Individual water conservation measures are considered to be cost-effective when benefits exceed costs. Once individual measures have been found to be cost-effective, they can be combined into an overall water conservation program. Benefit-Cost analysis depends on accurate forecasts of conservation measure water savings, costs, and benefits. Benefits and costs are normally compared in a present worth analysis.

(a) Workshop Objective

Provide an understanding of how to prepare a cost-benefit analysis of conservation measures and then use the results to select a cost-effective conservation program.

(b) Methodology to be Covered

1. The first step is to characterize the water use for a particular area by making a water use profile. The profile can be a pie diagram showing the percent of the total water use by different types of customers, such as residential, commercial, industrial, etc.
2. Seasonal water use is analyzed to separate indoor and outdoor water use by customer type. From this analysis the conservation potential can be established by comparing local water use with accepted values for any particular end use (such as toilet use in single family homes).
3. Individual conservation measures can be identified to address different types of customers (commercial audits, toilet rebate programs, tiered rate structures). Typically a large list of 50 to 100 conservation measures is screened qualitatively to find the measures worthy of further analysis, such as benefit-cost analysis. The screening process will be demonstrated at this workshop.
4. Next it is important to quantify water savings for each measure. Examples will be provided.
5. Potential benefits that can be attributed to water conservation programs will be explained.
6. Benefit-Cost analysis can be conducted using a variety of computational tools. It is proposed to demonstrate several software available tools. These tools test whether an investment in a particular conservation measure produces more benefits than it costs (on a present value basis).

(c) Workshop Agenda

- a. Why do a Benefit-Cost Analysis?
- b. How to Define Benefits From Water Efficiency
- c. How to Navigate the Maze of New Conservation Measures
- d. Proven Techniques to Calculate Water Savings
- e. Understanding the Challenges of Benefit-Cost Analysis
- f. Forming Innovative Programs of Cost-Effective Measures
- g. Examples and Exercises
- h. Demonstrate Available Software to Perform Calculations

WaterSmart Innovations 2019 Sessions

At WaterSmart Innovations, you'll have an opportunity to hear perspectives from speakers from around the globe and across the country, each willing to share their fresh, unique points of view based on their first-hand experiences in water efficient programs, policies and practices. Building a schedule will be done in the conference app, closer to the conference dates. All conference attendees will be sent information on how to access the conference app at a later date. Please note - the schedule, presenters and topics listed here are subject to change. Check back often for the most up-to-date schedule or sign-up for e-mail updates.

Sessions for 2019

WEDNESDAY/THURSDAY

Closing the Loop on Savings, Deb Lane, City of Santa Rosa

A Road Map to Net Positive Water Buildings, Joseph Gallegos, Greywater Irrigation Systems

The Development and Implementation of a Leak Detection Program and Study by SNWA Conservation, Toby Bickmore, Southern Nevada Water Authority

Which Homes are Ripe for Landscape Change?, Nate Adams, Santa Margarita Water District

How Low Can We Go? Lessons in Conservation from the Residential End Uses of Water Study Update, Bill DeOreo, Aquacraft

Relationship building with 200 gallons of water: Employees engaging and educating our customers, Gianna Lombardi, Denver Water

The Minnesota Stormwater Manual and Landscape Irrigation as a Stormwater Management Tool: Pearls, Pitfalls, and Challenges, Timothy Malooly, Water in Motion

Go with the Flow: Adapting water conservation programs to new dynamics, Meghan Bock, AIQUEOUS

So Many Water Efficiency Codes and Standards and Programs - How to Choose, Thomas Pape, Alliance for Water Efficiency/BMP

California's Largest Private Water Agency Tackles Water Loss Control, Kate Gasner, Water System Optimization

AWE Landscape Transformation Research Project - Assessment of Utility Programs and Market Readiness Evaluation, Maureen Erbeznik

Identifying, Coding and Classifying Industrial, Commercial and Institutional Water Users, Eddie Wilcut, Alan Plummer Associates

Where Do We "Grow" from Here? Building On a Successful WaterWise Landscape Tour, Katie Masucci, City of Plano

Water Utility Increases Recovery Rate from 75% to More Than 90% using Novel Flow Reversal Reverse Osmosis Technology for Reuse Purposes, Doug Carver, AdEdge Water Technologies

Water Savings from Turf Removal, Michael Hollis, Brezack & Associates

Sky Harbor Airport Saves 21,000,000 Gallons of Water Per Year with Cooling Tower Upgrades, Darren Servold, City of Phoenix Water Services Department

Does Smart Phone Enabled Flow Sensor Data Help Save Water; Pilot Study Results, Karen Guz, San Antonio Water System

Estimating and Integrating Irrigation Efficiency Potential into Implementation Strategies, Jack Kiefer, Hazen and Sawyer

What have we learned? Review of the 2nd Edition of the AWWA Manual M60: Drought Preparedness and Response, Brian Skeens, Jacobs

Using Project Based Learning to Promote Water Efficiency on School Grounds, Sandra Hurlbut, University of Arizona Water Resource Center

On-site Treatment at Wineries produces Results, Amanda Rupiper, Center for Water-Energy Efficiency

“DIG”ging to a More Inclusive & Sustainable Long Beach, Hanna Harper, Long Beach Water Department

Integration of Land and Water Planning in the Development Process, John Berggren, Western Resources Advocates

Catawba-Wateree: North Americas first River Basin Water Loss Regional Strategy, Steve Cavanaugh, Cavanaugh & Associates

Landscape Water Budget Program 2.0; Getting More Efficient with Efficiency, Jeff Lee, Town of Gilbert

The New Validation Standard for AWWA Water Auditing: Evolutions in Water Audit Validation & Regulation, Drew Blackwell, Cavanaugh & Associates

Youth Advisory Council Promotes Conservation, Mitch Bishop, Las Vegas Valley Water District

Maximizing Groundwater Use in the Central and West Coast Basins through Recycled Water, Rafael Villegas, Los Angeles Department of Water and Power

Course correcting your incentive program: how do you know when it's time to make a change?, Krista Reger

Estimating Future Water Needs in Response to New Developments: Results of a Pilot Study within Four Water Utilities, Andrew Dozier, Razix Solutions

Cleveland's Leak Detection Program – Economics and Payback, Brian Skeens, Jacobs

Water Agencies Nudging Landscape Contractors to Perform, John Whitcomb, Waterfluence
The struggle with HOAs is real!, Patrick Dickinson, Texas A&M AgriLife Research

Ventura Water and MERITO Foundation Outreach and Education Partnership, Haili Matsukawa, Ventura Water

Best Place to Reuse Wastewater-your Cooling Tower!, Mark Gentili, Los Angeles Department of Water and Power

The Financing Fix to Scale Water Efficiency Across the U.S., Cynthia Koehler, WaterNow

Once Bitten, Twice as High: Maintaining a Conservation Focus in the Face of Customer Distrust, Drema Gross, City of Austin/Austin Water

Granularity, Who Needs It: Understanding the Role of Data and Conservation Potential, Robert Stefani, City of Austin/Austin Water

Innovative Community Education in Phoenix
Christian Delgado, City of Phoenix Water Service Department, Gina Conrow, City of Phoenix Water Service Department

Soil Moisture Sensor Irrigation Controller Standardized Testing, Michael Dukes, University of Florida

Scorecards Galore: State Policy Resources to Track and Initiate Progress, Bill Christiansen, Alliance for Water Efficiency

It's a Small World: How Smaller Water Utilities Can Incorporate Water Efficiency and Conservation Programs with Limited Means, Jennifer Davidson, Surprise Water Utility

Automating water savings measurements customized to the unique conditions at your local water utility, Patrick Atwater, ARGO

WATER You Doing to Conserve? Partnerships and Engagement, Samantha Baker, Broward County Florida

Remote Sensing Landscape Survey – City of Phoenix, Darin Lisonbee, City of Phoenix

Online Water Conservation Degree Program, Roger Ebbage, Lane Community College

Major Water Conservation Initiative: New Approach Developed for First California Statewide Irrigated Landscape Analysis, Andrew Brenner, Quantum Spatial

San Antonio Tackles Water Loss – Five Years of Insight & Action, Kate Gasner, Water System Optimization

A Water Conservation Planning Tool for Texas, John Sutton, Texas Water Development Board

Is Future Water Use Efficiency A Significant Demand Influence Given Forecast Uncertainty?, John Clayton, Hazen and Sawyer

The Status of Benchmarking ICI Water Use, Bill Hoffman, H.W. Hoffman & Associates

Working with the Media to Expand Outreach and Education, Daniel Cunningham, Texas A&M AgriLife Research

Are Prescriptive Landscape Ordinances Measuring Up to Actual Water Savings?, Charles Bohlig, East Bay Municipal Utility District

Utility and School Partnership for Conservation Education, Leslie Payne, Sweetwater Authority

Water Use of Landscape Trees, Tamera Wynne, University of Nevada Las Vegas

Alerting our Water Customers: Leak Notifications, Jessica Woods, City of Round Rock

How Do You Measure Up? An Overview of the 2nd Edition of the Water Conservation and Efficiency Program Standard (G480), Brian Skeens, Jacobs

Regional Demand Management Planning: Lessons Learned from New York to Colorado, Peter Mayer, Water Demand Management

Open-Source Water Efficiency Evaluation Tool Leads to Data-Driven Program Development, Lindsey Stuvick, Laguna Niguel

New Advancements in Water Conservation, Joyce Warren, City of Frisco

Taking the IF out of Verification for Custom Water Efficiency Projects, Gary Tilkian, Metropolitan Water District of Southern California

Landscape Trends: Reducing Water while Growing Food for People and Pollinators, Daniel Cunningham, Texas A&M AgriLife Research

Evaluation of MWDOC's Comprehensive Landscape Water Use Efficiency Program, Rachel Waite, Municipal Water District of Orange County

Water Loss In California – 3 years of mandatory audits, what have we learned?, Sue Mosburg, Sweetwater Authority

Practical Results from Using AMI data in a Water Citation Program, Rodney Tilley, Tohopekaliga Water Authority (TWA)

Asheville NRW Program Takes Commercial Meter Testing to the Next Level for Real Payback, Will Jernigan, Cavanaugh & Associates

Auditing Large Commercial Properties: Lessons from Scottsdale Water's First Two Years, Jaleila Brumand, Scottsdale Water

Using Community Based Social Marketing to Reduce Lawn Watering in Massachusetts, Michelle Craddock, Department of Fish and Game Division of Ecological Restoration

Savings Delivered by Email & Snail Mail: Can It Really Be That Easy?, Martha Wright, San Antonio Water System

Lots of Money Invested in Residential Irrigation Efficiency Rebates: Which Types Saved the Most?, Karen Guz, San Antonio Water System

IAPMO IGC-335 2018 Rapid Scaling Test – What can it tell us about scaling potential and prevention, Jonny Seccombe, Aqua Rex

Utilizing Technology to Support Water Neutrality, Karina Sandique, City of Santa Monica

Rethinking Small Meter Management: New Data and Statistics, Kris Williams, Water System Optimization

Reaching the hard to reach: Metropolitan Water District's Disadvantaged Communities Program, Elise Goldman, Metropolitan Water District of Southern California

Active Emails Raining in Savings, Joseph Baquerizo, Irvine Ranch Water District

The Status of Benchmarking Institutional and Commercial Water Use History, Problems, Uses, and the Future, Bill Hoffman, H.W. Hoffman & Associates

Resource Management and Planning Using Data Technologies, Julia Teske, Calsense

Direct Installation for Multi-family Efficiency (DIME) Program, Jenyffer Vasquez, Long Beach Water

Walking the Water Walk: Gilbert AZ's Municipal Water Use Efficiency Approach, Andrew Pirrone, City of Gilbert

We have AMI data – Now what do we do with it? Lessons learned from energy and water AMI data analysis, Michelle Maddaus, Maddaus Water Management Inc.

Legalized Marijuana: Water-Efficient Weed Can be More Than a Pipe Dream, Amy Vickers, Amy Vickers & Associates, Inc.

Strengthening Customer-Utility Relationships with Leak Alerts and Self-Service Resolution, Amelia Freschi, WaterSmart Software

Hot Water, Hot Savings: Recirculating Water Pump Study, Melissa Matlock, Haley Munson, Elsinore Valley Municipal Water District

The Value of Landscapes In Climate Plans: Climate Resiliency, Bryce Carnehl, Hunter Industries

Say Hello To A Better Shower!, Troy Sherman, Evolve Technologies

Progress Toward a Multi-Benefit Framework for Water Management: Sustainable Landscapes Test Case, Sarah Diringer

Utilizing Policy Optimization for Pump Operations at Water Distribution Systems to Enable Energy Load Shifting, Erin Musabandesu, University of California Davis

Highly Engaged Water Consumers Need Digestible Data, Keri Waters, Buoy

Know Your Audience: How Understanding Population Demographics Can Direct Your Water Messaging Effort, Coy Callison, Texas Tech University

Innovative Conservation: Low-Cost Sensors & High-Tech Data for Evaporative Cooling, Elise Goldman, Metropolitan Water District of Southern California

Advancing Sustainable Landscapes on Commercial and Industrial Properties, Heather Cooley, Pacific Institute

A Tale fo Seventeen Households-field Testing of Alternattives to Ion Exchange Softeners, Steve Gombos, Region of Waterloo

Beyond WaterWise: The City of Bend, Oregon's Integrated Water Conservation Strategy, Mike Buettner, City of Bend

Markets to Meet Efficiency Goals: Water Efficiency Trading Credit Scheme, Nashelley Kaplan-Dailey, Imagine H2O

Technical Tours

Showcasing some of Southern Nevada's more prominent water-efficiency practices and water resources, WaterSmart Innovations invites conference attendees to participate in technical tours Tuesday, October 1.

Springs Preserve tour is \$25 and all others are \$35 per registered WSI 2019 participant. Tours will depart from the South Point Hotel and Conference Center. We recommend you wear comfortable clothing and shoes (no flip-flops, please).

Due to security measures, all tour participants will be required to present a valid photo ID (i.e. driver's license or current passport) along with their ticket as they board the bus. On-site facility personnel may also ask to see your photo ID.

If you want to bring a guest, please have the guest complete a separate registration, select the Expo only badge, select the tour, and complete the registration.

The number of participants is limited for each of these popular facility tours, so register early. Registration opens May 1, 2019.



Springs Preserve Tour with Lunch

Tuesday, October 1, 11:45 am - 5:00 pm

Available: 27, Used: 14

Green isn't just a color, it's a way of life. The 180-acre Springs Preserve is a world-class center for sustainable living. This tour highlights sustainable technologies that make the Springs Preserve the largest Platinum LEED rated commercial building in the Southwest. Structures include innovative construction techniques such as rammed earth and hay bales. A constructed wetland captures and treats all wastewater onsite, then reuses the treated water to flush toilets. Eight acres of beautiful desert gardens highlight opportunities for responsible use of landscape water, while the new interactive exhibit, WaterWorks- inside the Las Vegas Valley Water District's operational Charleston Heights Pumping Station- provides a behind-the-scenes look at how Southern Nevada's water supply makes its way from Lake Mead to local taps. This tour includes complimentary lunch at the Divine Cafe, with a gorgeous overlook view of the facility and the Las Vegas Strip in the distance. Check in by 11:30 a.m., depart at 11:45 a.m., return to hotel by 5 p.m.



Hoover Dam Tour

Tuesday, October 1, 11:45 am - 5:00 pm

Available: 26, Used: 16

Built during the Great Depression to "tame" the wild Colorado River, the legendary Hoover Dam still stands today as one of the world's engineering marvels. PLEASE NOTE: Due to ongoing elevator construction and maintenance, this year's tour will be self-guided and will not include visits to the penstocks and power plant generators; it will be limited to the exhibit area, observation deck, visitor center, and the top of the dam. Tour does not include lunch; please plan on eating before departure or you can bring your lunch to eat on the bus. Water will be provided. Check in at 11:30 a.m.; depart at 11:45 a.m.; return to hotel by 5 p.m.



Mega-Resort Tour

Tuesday, October 1, 10:00 am - 1:30 pm

Available: 22, Used: 9

Located on the legendary Las Vegas Strip, The Palazzo Resort is part of a master-planned development which combines The Palazzo and the Sands Expo and Convention Center to form the largest LEED-rated green building on the planet. Join us on a "behind-the-curtain" tour for a look at The Palazzo, with visits to the hotel Atrium, a luxury suite completed with energy efficient lighting and low water-use fixtures, the kitchen, recycling center and the innovative cooling system which saves 50 million gallons water a year. Learn how Las Vegas' gigantic luxury resorts capitalize on scale and know-how to be more efficient on a per-room basis than a typical chain hotel. Check in at 9:45 a.m.; depart at 10 a.m.; return to hotel by 1:30 p.m.

WaterSmart Expo

In conjunction with the WaterSmart Innovations conference, an exposition featuring emerging and cutting-edge water efficiency products and services will be held at the South Point Exhibition Hall. Among the prospective exhibitors are companies featuring appliances, plumbing fixtures, landscape and irrigation equipment, consulting and professional services and software and technology, among others.

This is your opportunity to meet and mingle with professionals from around the world and learn about new products and services that can help you, your business and your agency become more water-efficient.

All attendees are encouraged to visit the exhibitors throughout the conference.

If you have questions on exhibiting, please review the Exhibitor Services tab. You can contact Exhibits Manager Jennifer Picchione at 888-293-9845, or email jen@watersmartinnovations.com.