



PALMDALE WATER DISTRICT

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

Board of Directors

ROBERT E. ALVARADO
Division 1

GORDON G. DEXTER
Division 2

GLORIA DIZMANG
Division 3

KATHY MAC LAREN
Division 4

STEVE R. CORDOVA
Division 5

LAGERLOF, SENECA, GOSNEY & KRUSE LLP
Attorneys



February 7, 2013

*Agenda for Regular Meeting
of the Board of Directors of the Palmdale Water District
to be held at the District's office at 2029 East Avenue Q, Palmdale*

Wednesday, February 13, 2013

7:00 p.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale. Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

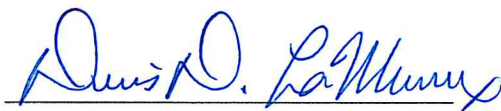
PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will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

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

- 1) Pledge of Allegiance.
- 2) Roll Call.
- 3) Adoption of Agenda.
- 4) Public comments for non-agenda items.
- 5) Presentations:
 - 5.1) No presentations scheduled at this time.

- 6) Action Items - Consent Calendar (The public shall have an opportunity to comment on any action item as each item is considered by the Board of Directors prior to action being taken.)
 - 6.1) Approval of minutes of regular meeting held January 23, 2013.
 - 6.2) Payment of bills for February 13, 2013.
 - 6.3) Approval of Resolution No. 13-3 Authorizing Specified Individuals to Transact Business With Citizens Business Bank. (Finance Manager Williams)
 - 6.4) Receive and file Semi-Annual Employee Reimbursement Report for the period covering July 1, 2012 through December 31, 2012. (Finance Manager Williams)
- 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 adoption of Sanitary Survey. (Engineering Manager Knudson/Black & Veatch)
 - 7.2) Consideration and possible action on Resolution No. 13-4 Concurring in Nomination Melody McDonald to the Executive Committee of the Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA). (General Manager LaMoreaux)
 - 7.3) Status report on Cash Flow Statement and Current Cash Balances as of December 31, 2012. (Financial Advisor Egan)
 - 7.4) Status report on Financial Statements, Revenue and Expense and Departmental Budget Reports for December 31, 2012. (Finance Manager Williams)
 - 7.5) Status report on committed contracts issued. (Engineering Manager Knudson)
 - 7.6) Consideration and possible action on social engineering testing and training. (\$9,500.00 – Budgeted – Information Technology Manager Stanton)
 - 7.7) Consideration and possible action on recruitment to fill Treatment Plant Supervisor position. (General Manager LaMoreaux/Personnel Committee)
 - 7.8) Discussion of and possible action on appointment of the District's Standing Committees. (President Mac Laren)
 - 7.9) Consideration and possible action on Board and staff attendance at conferences, seminars, and training sessions as follows:
 - a) VMWare and Cisco Certified Network Administrator Boot Camps to be held March 11 – 15, 2013 and May 13 – 19, 2013 at the Netcom Training Center in Las Vegas, Nevada.
 - b) 2013 CA-NV American Water Works Association (AWWA) Spring Conference "Sustainability in a Time of Change" to be held March 25 – 28, 2013 in Las Vegas, Nevada.

- 8) Information Items:
 - 8.1) Reports of Directors: Meetings, Committee meetings, and general report.
 - 8.2) Report of General Manager.
 - a) District vacancies.
 - b) Palmdale Recycled Water Authority status.
 - c) Board of Director I-Pads. (Information Technology Manager Stanton)
 - 8.3) Report of Attorney.
- 9) Public comments on closed session agenda matters.
- 10) Closed session under:
 - 10.1) Government Code Section 54956.9(a), existing litigation: *Antelope Valley Ground Water Cases*.
 - 10.2) Government Code Section 54956.9(a), existing litigation: *United States, et al. v. J-M Manufacturing Company, Inc., et al., United States District Court for the Central District of California Case No. ED CV06-0055-GW*.
 - 10.3) Government Code Section 54956.9(a), pending litigation: *Central Delta Water Agency vs. Department of Water Resources, Sacramento Superior Court Case No. 34-2010-80000561*.
 - 10.4) Government Code Section 54956.9(a), pending litigation: *Velez v. City of Palmdale, et al, Los Angeles Superior Court Case No. MC023216*.
- 11) Public report of any action taken in closed session.
- 12) Board members' requests for future agenda items.
- 13) Adjournment.



DENNIS D. LaMOREAUX,
General Manager

DDL/ dd

PALMDALE WATER DISTRICT BOARD MEMORANDUM

DATE: February 5, 2013 February 13, 2013
TO: BOARD OF DIRECTORS Board Meeting
FROM: Michael Williams, Finance Manager
VIA: Dennis D. LaMoreaux, General Manager
RE: *AGENDA ITEM NO. 6.3 – APPROVAL OF RESOLUTION NO. 13-3
AUTHORIZING SPECIFIED INDIVIDUALS TO TRANSACT BUSINESS
WITH CITIZENS BUSINESS BANK*

Recommendation:

Staff recommends approval of Resolution No. 13-3 Authorizing Specified Individuals to Transact Business with Citizens Business Bank.

Background:

New officers for the Board of Directors were approved at the January 23, 2013 Board meeting. As a result, an updated resolution and updated signature cards are required by Citizens Business Bank.

Strategic Plan Element:

5.0 Administrative Management-Our objective is to provide supportive and effective policies, procedures and practices that will assure that the District operates in an effective manner. Our strategy is to routinely monitor and upgrade these to address current requirements, operational efficiencies and emerging needs.

Budget:

There is no financial impact from the approval of Resolution No. 13-3.

Supporting Documents:

- Resolution No. 13-3

RESOLUTION NO. 13-3

**A RESOLUTION OF THE
PALMDALE WATER DISTRICT
AUTHORIZING SPECIFIED INDIVIDUALS TO
TRANSACTION BUSINESS WITH CITIZENS BUSINESS BANK**

WHEREAS, the Board of Directors of the Palmdale Water District (the "District") has authorized certain public funds to be deposited with Citizens Business Bank for the purpose of protecting public funds; and

WHEREAS, from time to time the Palmdale Water District has cause to withdraw, deposit, reinvest, or otherwise change the disposition of those invested assets to fulfill the mission of the District; and

WHEREAS, the Board of Directors of the District, at their regular meeting of February 13, 2013, did authorize the President and/or Secretary to execute agreements with respect to accounts of the District held by Citizens Business Bank; and

WHEREAS, the Board of Directors of the District, at their meeting of February 13, 2013, did hereby approve the above described agreements authorizing certain individuals to act on the District's behalf with respect to the certain specified accounts of the District with Citizens Business Bank; and

WHEREAS, the Board of Directors of the District intends and requires two Directors acting together or at least one Director acting with another director or designated staff member to execute authority over designated Treasury Management Agreement.

NOW, THEREFORE, BE IT RESOLVED, that Kathy Mac Laren and Robert Alvarado, acting together, are hereby authorized and directed to open an account with Citizens Business Bank in the District's name and on its behalf, for the purpose of securing services, and that Citizens Business Bank is hereby authorized to act upon any orders and instructions with respect to such accounts listed below and/or the delivery of securities or money therefrom when received from any of the two said individuals, acting together, who are each likewise hereby authorized to sign and deliver in the District's name and in its behalf, receipts for securities and/or funds so delivered or paid.

BE IT FURTHER RESOLVED, that any two of Gordon Dexter, Gloria Dizmang, Kathy Mac Laren, Robert Alvarado, or Steve Cordova acting together are hereby authorized to withdraw funds or to act on behalf of the District with respect to the General Account No. 047031559; Merchant Account No. 047031567; Customer Refund Account No. 047031575.

ADOPTED THIS 13TH DAY OF FEBRUARY, 2013.

President, Board of Directors

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: February 6, 2013 **February 13, 2013**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Michael Williams, Finance Manager
VIA: Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 6.4 – RECEIVE AND FILE SEMI-ANNUAL
EMPLOYEE REIMBURSEMENT REPORT FOR THE PERIOD
COVERING JULY 1, 2012 THROUGH DECEMBER 31, 2012***

Recommendation:

Staff recommends the Board receive and file the Semi-Annual Employee Reimbursement Report for the period covering July 1, 2012 through December 31, 2012.

Background:

Staff expenses and reimbursements are based on the approved budget. It is required that the District receive and file an Employee Reimbursement Report on a semi-annual basis.

Strategic Plan Element:

This work is part of Strategic Element 6.0 Financial Management – Our objective in financial planning is to manage public funds to assure financial stability and demonstrate responsible stewardship.

Budget:

Receiving and filing the Employee Reimbursement Report will not affect the budget.

Supporting Documents:

- Semi-Annual Employee Reimbursement Report for the period covering July 1, 2012 through December 31, 2012

PALMDALE WATER DISTRICT
Semi-Annual Employee Reimbursement Report
Period Covering July 1, 2012 through December 31, 2012

Employee ID	Employee Name	Pay Date	Item Description	Amount
4010	JENKINS, DAVID	7/4/2012	REIMBURSEMENT FOR EDUCATIONAL EXPENSES	111.55
2600	PERNULA, JON	7/4/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	104.06
2100	LAMOREAUX, DENNIS	8/1/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	259.51
1720	HEINONEN, RICHARD	8/1/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	1,526.59
4008	MAHONEY, SCOTT	8/29/2012	REIMBURSEMENT FOR EDUCATIONAL EXPENSES	570.00
2382	NAREZ, AUDEL	10/10/2012	REIMBURSEMENT FOR EDUCATIONAL EXPENSES	145.00
2100	LAMOREAUX, DENNIS	10/10/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	188.31
1710	HAVILAND, LOEL	10/10/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	254.68
2600	HEINONEN, RICHARD	11/7/2012	REIMBURSEMENT FOR EDUCATIONAL EXPENSES	845.00
1720	PERNULA, JON	11/7/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	103.06
2100	LAMOREAUX, DENNIS	12/5/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	237.27
2100	LAMOREAUX, DENNIS	12/19/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	121.66
2600	PERNULA, JON	12/19/2012	REIMBURSEMENT FOR TRAVEL EXPENSES	210.82

4,677.51

PALMDALE WATER DISTRICT BOARD MEMORANDUM

DATE: February 6, 2013 February 13, 2013
TO: BOARD OF DIRECTORS Board Meeting
FROM: Mr. Matthew R. Knudson, Engineering Manager
VIA: Mr. Dennis LaMoreaux, General Manager
RE: *AGENDA ITEM NO. 7.1 – CONSIDERATION AND POSSIBLE ACTION ON
ADOPTION OF THE 2012 SANITARY SURVEY AND DRINKING WATER
SOURCE ASSESSMENT UPDATE*

Recommendation:

Staff recommends the Board adopt the 2012 Sanitary Survey and Drinking Water Source Assessment Update that was prepared by Black & Veatch. A representative from Black & Veatch is scheduled to make a presentation to the Board at the Board Meeting and will be available to answer any questions related to the update. A copy of the report was distributed to the Board on January 29, 2013.

Description:

Source water protection is the first and foremost barrier required in establishing a well developed, multiple-barrier protection and treatment plan for public drinking water supplies. A comprehensive source water protection program can prevent contaminants from entering the public water supply, reduce treatment costs, and increase public confidence in the quality, reliability, and safety of its drinking water supplies.

Background:

The Palmdale Water District (District) completed its first sanitary survey for the Littlerock Reservoir and Palmdale Lake watershed in June of 1993 in accordance with the 1986 Amendments to the Safe Drinking Water Act (SDWA) Surface Water Treatment Rule (SWTR). The SWTR required watershed sanitary surveys and watershed management plans only for surface water supplies qualifying for filtration avoidance. The survey included a summary of the watershed and water supply system, potential contaminate sources, watershed control practices, and water quality information. Furthermore, the SDWA Amendments of 1996 established source water protection as a national priority. These amendments require a new, more comprehensive, watershed-based “prevention” approach be applied to improving and preserving water quality of the public water supply source. The key elements of this Source Water Assessment Program are to protect surface water supplies, as well as safeguard groundwater supplies through the Wellhead Protection Program.

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

February 6, 2013

Since it was initially developed in 1993, the survey was updated in 1997, 2002, and 2007 as mandated by the State of California Title 22, Code of Regulations, Article 7, Section 64665, which requires all water suppliers to conduct a sanitary survey of their watershed at least once every five years. Black & Veatch completed the last three updates for the District and is very familiar with the District's water supply sources and key elements needed to update the District's Watershed Sanitary Survey and Source Water Assessment.

Budget:

The adoption of the 2012 Sanitary Survey and Drinking Water Source Assessment Update will have no impact on the District's 2013 Budget.

Supporting Documents:

The 2012 Sanitary Survey and Drinking Water Source Assessment Update was distributed to the Board on January 29, 2013.

Strategic Plan Element:

Strategic Element 1.0 – Regulatory Compliance

**PALMDALE WATER DISTRICT
BOARD MEMORANDUM**

DATE: February 6, 2013 February 13, 2013
TO: BOARD OF DIRECTORS Board Meeting
FROM: Mr. Dennis D. LaMoreaux, General Manager
RE: *AGENDA ITEM NO. 7.2 – CONSIDERATION AND POSSIBLE ACTION
ON RESOLUTION NO. 13-4 CONCURRING IN NOMINATION
MELODY McDONALD TO THE EXECUTIVE COMMITTEE OF THE
ASSOCIATION OF CALIFORNIA WATER AGENCIES/JOINT POWERS
INSURANCE AUTHORITY (ACWA/JPIA)*

Recommendation:

Resolution No. 13-4 is presented for Board consideration at the request of the San Bernardino Valley Water Conservation District. Ms. Melody McDonald is Vice President of the Board of Directors for the San Bernardino Valley Water Conservation District. Staff has no recommendation on this item; however, similar resolutions have been approved in the past.

Alternative Options:

The alternative is to not approve Resolution No. 13-4.

Impact of Taking No Action:

There is no impact to the District from taking no action on this item.

Background:

The Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA) has several Committees including an Executive Committee. Ms. McDonald currently serves on the ACWA/JPIA Executive Committee and wishes to continue her position. In order to do so, she must obtain formal concurrence of her nomination to this Committee in the form of a resolution from five ACWA/JPIA member districts and has presented the attached Resolution for the Board's consideration.

Strategic Plan Element:

This work is part of Strategic Element 5.0 Administrative Management.

BOARD OF DIRECTORS
PALMDALE WATER DISTRICT

February 5, 2013

Budget:

This item has no effect on the budget.

Supporting Documents:

- Letter from San Bernardino Valley Water Conservation District regarding the nomination of Melody McDonald to the ACWA/JPIA Executive Committee
- Resolution No. 486 from the San Bernardino Valley Water Conservation District nominating Ms. McDonald to the ACWA/JPIA Executive Committee
- Resume of Melody Henriques-McDonald
- Palmdale Water District Resolution No. 13-4 Concurring in Nomination Melody McDonald to the Executive Committee of ACWA/JPIA



SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT

Established 1932

1630 West Redlands Boulevard, Suite A
Redlands, CA 92373-8032
(909) 793-2503
Fax: (909) 793-0188

P.O. Box 1839
Redlands, CA 92373-0581
Email: info@sbvwcd.dst.ca.us
www.sbvwd.dst.ca.us

January 24, 2013

General Manager Dennis LaMoreaux
Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550-4050

RECEIVED
JAN 28 2013

Dear General Manager LaMoreaux,

The Board of Directors of the San Bernardino Valley Water Conservation District has nominated its Vice-President, Melody A. McDonald, to continue in her position on the ACWA/JPIA Executive Committee. Enclosed is a certified copy of SBVWCD Resolution No 486 nominating Mrs. McDonald for ACWA/JPIA Executive Committee.

Melody currently serves on the ACWA/JPIA Executive Committee, Personnel Committee, Chairs the Liability Program Subcommittee, served on the Building & Property Ad Hoc Committee, and was past chair of the Property & Workers Compensation Program Subcommittees. Melody has an institutional knowledge of all of JPIA's programs, their history, how coverage's evolved for the JPIA membership and has helped the organization grow to 188 Million in assets. Melody participates in training at various JPIA members facilities; she has personally visited and presented rate stabilization fund refund checks back to JPIA members totaling over 25 Million, since the inception of the fund. This year, JPIA has held nearly 400 training classes resulting in more than 7,700 employees receiving training. Melody believes the best claim is the one that never happened, and that there is a direct correlation between risk management, training, and minimizing losses. She pursues all her duties with a strong sense of commitment and dedication. Enclosed is her Statement of Qualifications.

The District respectfully requests your organization consider adopting a concurring resolution of nomination in support of Mrs. McDonald. Enclosed is a sample concurring resolution for your consideration in support of her nomination or it can be found at <http://www.acwajpia.com/ElectionNews.aspx>. Since time is of the essence, and that this will require Board action, please include this on your agenda for your next Board meeting. Please send a certified copy to:


ACWA/JPIA
Attention: Sylvia Robinson
P.O. Box 619082
Roseville, CA 95661-9082

and

San Bernardino Valley Water Conservation District
Attention: Athena Medina
1630 W. Redlands Blvd. Ste "A"
P.O. Box 1839
Redlands, CA 92374

This resolution must be received by ACWA/JPIA no later than 4:30 pm Friday March 22, 2013.

Sincerely,


Daniel B. Cozad
General Manager

Attachments

BOARD
OF
DIRECTORS

Richard W. Cornille
Clare Henry Day

Bob Glaubig
John Longville

David E. Raley
Melody McDonald
Manuel Aranda, Jr.

GENERAL
MANAGER

Daniel B. Cozad

RESOLUTION NO. 486

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT**

NOMINATING ITS ACWA/JPIA BOARD MEMBER TO THE EXECUTIVE COMMITTEE

**OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
JOINT POWERS INSURANCE AUTHORITY ("ACWA/JPIA")**

WHEREAS, this District is a member district of the ACWA/JPIA that participates in all three of its Programs: Liability, Property, and Workers' Compensation; and

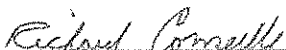
WHEREAS, the Bylaws of the ACWA/JPIA provide that in order for a nomination to be made to ACWA/JPIA's **Executive Committee**, the member district must place into nomination its member of the ACWA/JPIA Board of Directors for such open position;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the San Bernardino Valley Water Conservation District that its member of the ACWA/JPIA Board of Directors, Melody McDonald, be nominated as a candidate for the **Executive Committee** for the election to be held on March 22, 2013.

BE IT FURTHER RESOLVED that the ACWA/JPIA staff is hereby requested, upon receipt of the formal concurrence of five other member districts to effect such nomination.

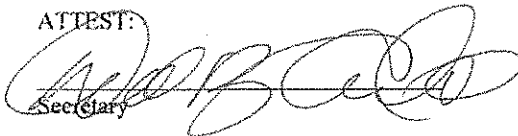
BE IT FURTHER RESOLVED that the District Secretary is hereby directed to transmit a certified copy of this resolution to the ACWA/JPIA at P.O. Box 619082, Roseville, California 956661-9082, forthwith.

ADOPTED this 9th day of January, 2013.



President, Board of Directors

ATTEST:



Secretary



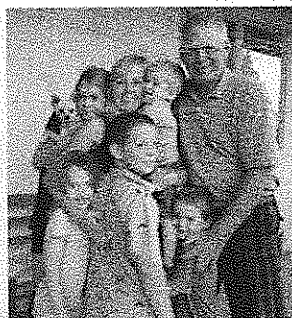
(Daughter's wedding photo)

**Melody
Henriques-McDonald**

P.O. BOX 30197
SAN BERNARDINO, CA 92413

*(909) 793-2503 District
(909) 499-5175 cell
(909) 793-0188 fax*

***Seeking Re-Election to:
Executive Committee
Of the
ACWA/JPIA***



(Melody, Dean & 5 of our 9 Grandkids)

ASSOCIATIONS

Member, Board of Directors of the San Bernardino Valley Water Conservation District (Elected), Past President, & currently Vice-President

Member, Executive Committee ACWA/JPIA

Chair, JPIA Liability Program Subcommittee

Director, ACWA/Joint Powers Insurance Authority

Past Chair & Vice-Chair, JPIA Property & Workers Compensation Program Subcommittees

Voting Member, Association of the San Bernardino County Special Districts

Member, ACWA Water Management Committee

Member, ACWA State Legislative Committee

Past Member, Board of Directors ACWA, Region 9 Chair

Past Chair, Water Management Certification Subcommittee

Past Member, California Water Quality Control Board, Santa Ana Region 8

CURRENT EMPLOYMENT

Broker/Associate, Century 21 Lois Lauer Realty
Southwest Lift & Equipment, Inc. (Heavy Duty Vehicle Lifts)

PROFESSIONAL ASSOCIATIONS & LICENSES

Redlands Association of Realtors
California Real Estate Broker's License
Arizona Real Estate Broker's License

ORGANIZATIONS AND SOCIETIES

Highland Chamber of Commerce
San Bernardino Chamber of Commerce
Immanuel Baptist Church Highland, CA
BSF International

EDUCATION

San Geronio High School, 1976
Western Real Estate School, 1989
Graduate, Special Districts Board Management Institute, 1997

RESOLUTION NO. 13-4

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
PALMDALE WATER DISTRICT
CONCURRING IN NOMINATION MELODY McDONALD TO THE
EXECUTIVE COMMITTEE
OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES/
JOINT POWERS INSURANCE AUTHORITY (ACWA/JPIA)**

WHEREAS, this District is a member district of the ACWA/JPIA; and

WHEREAS, the Bylaws of the ACWA/JPIA provide that in order for a nomination to be made to ACWA/JPIA's Executive Committee, three member districts must concur with the nominating district; and

WHEREAS, another ACWA/JPIA member district, the SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT has requested that this District concur in its nomination of its member of the ACWA/JPIA Board of Directors to the Executive Committee of the ACWA/JPIA.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the PALMDALE WATER DISTRICT that this District concurs with the nomination of MELODY McDONALD of the SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT to the Executive Committee of the ACWA/JPIA.

BE IT FURTHER RESOLVED that the District Secretary is hereby directed to transmit a certified copy of this Resolution to the ACWA/JPIA at P. O. Box 619082, Roseville, CA 95661-9082, forthwith.

ADOPTED this 13th day of February, 2013.

BOARD PRESIDENT

ATTEST:

BOARD SECRETARY

**PALMDALE
WATER DISTRICT
BOARD MEMORANDUM**

DATE: February 5, 2013 February 13, 2013
TO: BOARD OF DIRECTORS Board Meeting
FROM: Mr. Bob Egan, Financial Advisor
RE: ***AGENDA ITEM NO. 7.3 – STATUS REPORT ON CASH FLOW STATEMENT AND
CURRENT CASH BALANCES AS OF DECEMBER 31, 2012***

Attached is the Investment Funds Report and current cash balance as of December, 2012. The reports will be reviewed in detail at the Board Meeting.

PALMDALE WATER DISTRICT
INVESTMENT FUNDS REPORT

				December 31, 2012			December-12	November-12
DESCR							VALUE	VALUE
A/C #								
CASH								
0-0103	Citizens/US Bank - Checking						192,858.38	144,107.42
0-0104	Citizens- Merchant						65,737.68	149,191.21
				Bank cash			258,596.06	293,298.63
0-0119	PETTY CASH						300.00	300.00
0-0120	CASH ON HAND						3,400.00	3,400.00
	TOTAL CASH						262,296.06	296,998.63
INVESTMENTS								
0-0110	UBS ACCOUNT SS 11469 GG							
	UBS RMA Government Portfolio						4,633,135.02	2,454,171.30
	UBS Bank USA Dep acct						250,000.00	250,000.00
	1998 Debt Reserve Fund							
	FHLB par 1.4Mil matures 10/18/13 3.625% interest						1,438,038.00	1,441,524.00
	Accrued interest						10,290.98	5,920.88
							6,331,464.00	4,151,616.18
0-1110	UBS ACCOUNT SS 11475 GG							
	UBS Bank USA Dep acct						83,939.57	84,086.87
	UBS RMA Government Portfolio						0.00	0.00
							83,939.57	84,086.87
0-0115	LAIF						11,672.98	11,672.98
0-0111	UBS ACCOUNT SS 11432 GG							
	UBS Bank USA Dep acct						0.00	250,000.00
	UBS RMA Government Portfolio						47,882.27	295,048.80
	Accrued interest						5,406.60	6,209.70
	US GOVERNMENT SECURITIES:							
	ISSUE	ISSUER	EXPIR	RATE	PAR	MARKET	MARKET	
	DATE		DATE			VALUE	VALUE	
		FNMA	10/26/15	1.625	500,000	517,255.00	517,740.00	
		FNMA	06/28/17	1.125	500,000	502,040.00	502,310.00	
		FNMA	07/17/17	1.2	500,000	502,115.00	502,575.00	
		FNMA	08/22/17	0.625	500,000	500,395.00	500,560.00	
		FHLB	12/28/17	0.95	500,000	499,285.00		
					2,500,000.00	2,521,090.00	2,023,185.00	
	TOTAL MANAGED ACCOUNT						2,574,378.87	2,574,443.50
	TOTAL INVESTMENTS						9,001,455.42	6,821,819.53
	GRAND TOTAL CASH AND RESTRICTED CASH						9,263,751.48	7,118,818.16
				Incr (Decr)			2,144,933.32	
		Checking		262,296				
		UBS MM		6,415,404				
		LAIF		11,673				
		UBS Investment		2,574,379				
		Restricted		0				
		Total		9,263,751				

REVISED 02/05/13	2012 January	2012 February	2012 March	2012 April	2012 May	2012 June	2012 July	2012 August	2012 September	2012 October	2012 November	2012 December	YTD
Water Sales	1,407,565	1,436,524	1,558,529	1,497,910	1,650,872	2,005,547	2,291,232	2,402,584	2,400,731	2,174,324	2,011,098	1,722,773	22,559,688
,	1,407,565	1,436,524	1,558,529	1,497,910	1,650,872	2,005,547	2,291,232	2,402,584	2,400,731	2,174,324	2,011,098	1,722,773	
Beginning Balance	9,581,172	10,345,101	9,804,471	8,086,077	9,219,435	10,240,691	10,246,324	10,079,283	9,825,714	7,240,552	7,273,068	7,118,819	
Water Receipts	1,689,691	1,424,941	1,673,663	1,522,158	1,589,687	1,863,677	2,042,046	2,358,043	2,280,299	2,511,812	2,332,214	1,838,103	23,126,334
Other													
Total Operating Revenue	1,689,691	1,424,941	1,673,663	1,522,158	1,589,687	1,863,677	2,042,046	2,358,043	2,280,299	2,511,812	2,332,214	1,838,103	
Operating Expenses:													
Total Operating Expenses excl GAC	1,262,300	1,771,202	1,784,873	1,418,678	1,416,937	1,705,314	1,693,126	1,954,919	1,905,145	1,801,194	1,756,662	2,208,082	20,678,432
													2,447,902
Non-Operating Revenue Expenses:													
Assessments, net	476,956	134,001	7,936	1,496,518	696,673	2,854	401,253	145,546			115,451	2,426,214	5,903,403
Special Avek Clif Payment													0
Interest	6,501	650	1,860	1,849	1,539	2,157	4,864	3,909	183	(2,024)	2,632	565	24,687
Grant Re-imbursement													0
Capital Improvement Fees	693,287	0	0	0	531,216	30,923	0			84,073		(81,682)	1,257,817
													0
DWR Refund					36,235	257,410							293,645
Other IPalmdale Redevel Agency		44,554	11,229	11,229	13,118	124,953	16,981	6,266	9,639	35,250	7,027	291,649	571,895
Total Non-Operating Revenues	1,176,744	179,205	21,025	1,509,596	1,278,781	418,297	423,098	155,721	9,822	117,300	125,110	2,636,746	8,051,447
Capital Expenditures	(273,428)	(268,365)	(190,877)	(323,525)	(86,084)	(414,837)	(93,229)	(271,931)	(183,329)	(185,048)	(282,269)	0	(2,572,722)
GAC					(219,829)		(213,723)	(216,776)	(217,991)		(433,552)		(1,301,871)
SWP Capitalized	(566,283)	(104,714)	(129,747)	(118,652)	(118,650)	(118,650)	(611,172)	(118,650)	(118,556)	(118,649)	(118,650)	(118,650)	(2,361,023)
Prepaid Insurance (paid) refunded													(252,158)
Bond Payments Interest			(64,852)					(187,306)	(1,207,096)				(2,414,192)
Principal			(1,207,096)						(1,220,000)				(1,220,000)
System Work for AVEK													0
Butte payments										(471,264)			(471,264)
Capital leases	(495)	(495)	(35,838)	(37,540)	(5,712)	(37,540)	(20,936)	(17,751)	(23,166)	(20,441)	(20,441)	(3,184)	(223,539)
Legal adjudication fees													0
Total Cash Ending Balance	10,345,101	9,804,471	8,086,077	9,219,435	10,240,691	10,246,324	10,079,283	9,825,714	7,240,552	7,273,068	7,118,819	9,263,752	(10,816,769)
												Budget	8,100,000
actual cash												diff	1,163,752

PALMDALE WATER DISTRICT BOARD MEMORANDUM

DATE: February 6, 2013 **February 13, 2013**
TO: Board of Directors **Board Meeting**
FROM: Michael Williams, Finance Manager
VIA: Mr. Dennis LaMoreaux, General Manager
RE: *AGENDA ITEM 7.4 – STATUS REPORT ON FINANCIAL STATEMENTS,
REVENUE AND EXPENSE AND DEPARTMENTAL BUDGET REPORTS FOR
DECEMBER 31, 2012*

Discussion:

Presented here are the Balance Sheet and Profit/Loss Statement for the period ending December 31, 2012. Also included are Year-To-Year Comparisons and Month-To-Month Comparisons for both revenue and expense. Finally, I have provided individual departmental budget reports through the month of December, 2012.

These reports mark the end of our budget year; however, these will not be the final totals for the year. There will continue to be accruals up through February 2013 that will apply to 2012. Once the audit is complete, that will mark the final numbers for 2012. I will give an updated financial report at that time.

With 12 months of the budget year complete, target percentages are 100%

Balance Sheet:

- Page 1 is our balance sheet on December 31, 2012. The significant changes to report are the increased investments of approximately \$1.7 Million due mainly to the receipt of December tax assessments.

Profit/Loss Statement:

- Page 3 is our profit/loss statement on December 31, 2012.
- Operating revenue is at 103% of budget.
- Cash operating expense is at 96% of budget.
- Non-Operating Revenue is at 100% of budget.
- Non-Operating Expense is at 109% of budget.
- All departments are operating at 100% of budget or lower with the exception of Administrative Services which is at 102%.

Year-To-Year Comparison P&L:

- Page 7 is our comparison of December 2011 to December 2012.
- Total operating revenue is up by \$171K or 11%.
- Operating expenditures are up by \$772K or 43%. This is due to a huge year end difference in Water Recovery and a GAC expenditure.

BOARD OF DIRECTORS
PALMDALE WATER DISTRICT

VIA: Mr. Dennis LaMoreaux, General Manager

-2-

February 6, 2013

- Page 8 is a graphic presentation of the water consumption comparison. Units billed in acre feet were up by 86, or 8%, with total revenue per unit consumed up by \$0.09 or 3%. Total Revenue per connection was up by \$6.63 or 11%. There were 36 less active connections this December compared to last year.

Revenue Analysis Year-To-Date:

- Page 9 is our comparison of revenue, year-to-date.
- Operating revenue through December 2012 is up by \$853k, or 4%, compared to 2011. In addition, looking at strictly our retail water sales revenue, we exceed last year's levels by \$1 Million.
- Total revenue is up \$411K or 1%.
- In 2011 year ended at 93% of budget.
- In 2012 year ended at 103% of budget.

Expense Analysis Year-To-Date:

- Page 11 is our comparison of expense, year-to-date.
- Cash Operating Expenses through December 2012 are up by \$1.8M, or 9%, compared to 2011. This is primarily due to water purchases, which are up \$1.4M.
- Total Expenses are up in 2012 by \$2.6M, or 8%, compared to 2011.

Departments:

- Pages 14 through 22 are detailed budgets of each department. As stated earlier, all departments are below the target 91.63% except for Administrative Services on page 19. The higher percentage is due to the increased number of meter and register replacements. Line item 1-06-4235-470 is over budget by \$85K.

Non-Cash Definitions

Depreciation: This is the spreading of the total expense of a capital asset over the expected life of that asset.

OPEB Accrual Expense: Other Post Employment Benefits (OPEB) is the recognized annual required contribution to the benefit. The amount is actuarially determined in accordance with the parameters of GASB 45. The amount represents a level of funding that, if paid on an ongoing basis, is projected to cover normal cost each year.

Bad Debt: The uncollectible accounts receivable that has been written off.

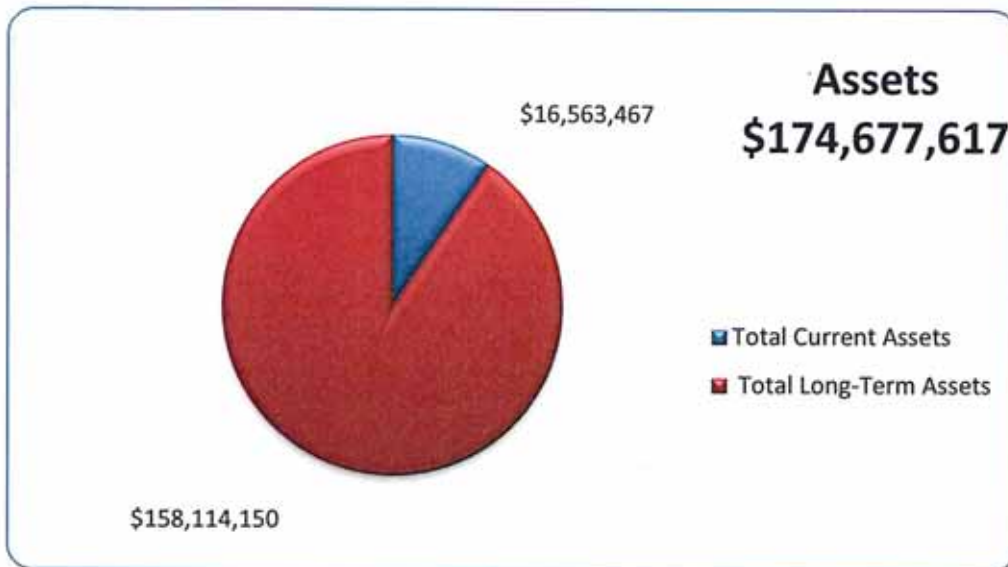
Service Cost Construction: The value of material, parts & supplies from inventory used to construct, repair and maintain our asset infrastructure.

Capitalized Construction: The value of our labor force used to construct our asset infrastructure.

Palmdale Water District
Balance Sheet Report
For the Twelve Months Ending 12/31/2012

	<u>December 2012</u>	<u>November 2012</u>
ASSETS		
Current Assets:		
Cash and Cash Equivalents	\$ 262,296	\$ 272,582
Investments	9,001,456	7,293,083
Market Adjustment	-	-
	<u>\$ 9,263,752</u>	<u>\$ 7,565,665</u>
Receivables:		
Accounts Receivables - Water Sales	\$ 2,098,225	\$ 2,081,797
Accounts Receivables - Miscellaneous	207,882	183,372
Allowance for Uncollected Accounts	(264,336)	(264,336)
	<u>\$ 2,041,771</u>	<u>\$ 2,000,833</u>
Interest Receivable	\$ -	\$ -
Assessments Receivables	4,086,822	6,513,036
Meters, Materials and Supplies	938,422	940,164
Prepaid Expenses	232,700	171,171
Total Current Assets	<u>\$ 16,563,467</u>	<u>\$ 17,190,869</u>
Long-Term Assets:		
Property, Plant, and Equipment, net	\$ 120,825,566	\$ 121,066,267
Participation Rights in State Water Project, net	36,655,708	35,726,092
Bond Issuance Cost, Net	632,876	635,863
Total Long-Term Assets	<u>\$ 158,114,150</u>	<u>\$ 157,428,221</u>
Total Assets	<u>\$ 174,677,617</u>	<u>\$ 174,619,090</u>
LIABILITIES AND DISTRICT EQUITY		
Current Liabilities:		
Current Interest Installment of Long-term Debt	\$ 491,009	\$ 317,740
Current Principal Installment of Long-term Debt	1,597,205	1,597,205
Accounts Payable and Accrued Expenses	6,086,818	4,989,131
OPEB Liability	6,140,437	6,009,110
Deferred Assessments	3,416,660	3,833,324
Total Current Liabilities	<u>\$ 17,732,130</u>	<u>\$ 16,746,510</u>
Long-Term Debt:		
2012 - Certificates of Participation	\$ 11,726,489	\$ 11,726,489
2004 - Certificates of Participation	35,403,356	35,404,269
2011 - Capital Lease Payable	579,128	579,128
Total Liabilities	<u>\$ 65,441,103</u>	<u>\$ 64,456,397</u>
District Equity		
Revenue from Operations	\$ (4,499,151)	\$ (3,572,971)
Retained Earnings	113,735,664	113,735,664
Total Liabilities and District Equity	<u>\$ 174,677,617</u>	<u>\$ 174,619,090</u>

BALANCE SHEET AS OF DECEMBER 31, 2012

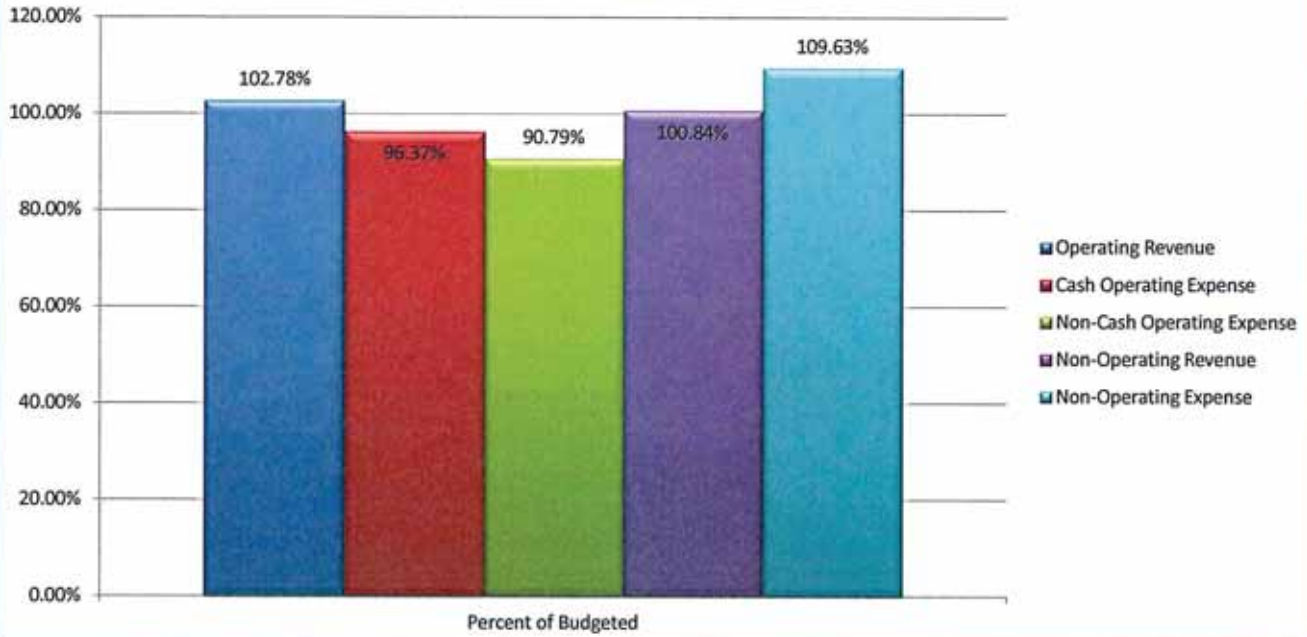


Palmdale Water District
Consolidated Profit and Loss Statement
For the Twelve Months Ending 12/31/2012

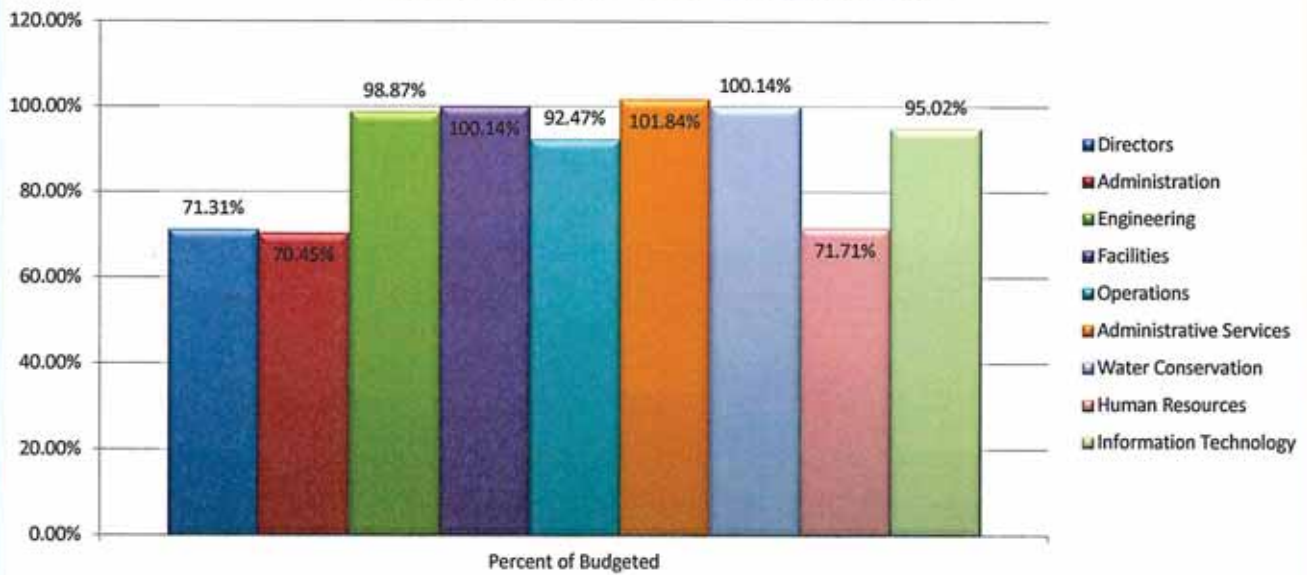
	Thru November	December	Year-to-Date	Adjustments	Adjusted Budget	% of Budget
Operating Revenue:						
Wholesale Water	\$ 38,467	\$ 11,878	\$ 50,345		\$ 175,000	28.77%
Water Sales	8,095,728	636,381	8,732,109		8,145,000	107.21%
Meter Fees	9,470,462	847,570	10,318,032		10,400,000	99.21%
Water Quality Fees	1,557,415	101,003	1,658,418		1,550,000	106.99%
Elevation Fees	532,045	31,454	563,499		525,000	107.33%
Other	1,241,851	94,487	1,336,338		1,250,000	106.91%
Total Water Sales	\$ 20,935,968	\$ 1,722,773	\$ 22,658,741	\$ -	\$ 22,045,000	102.78%
Cash Operating Expenses:						
Directors	\$ 99,770	\$ 10,046	\$ 109,815		\$ 154,000	71.31%
Administration	2,306,691	192,058	2,498,749		3,547,000	70.45%
Engineering	1,037,905	117,894	1,155,799		1,169,000	98.87%
Facilities	3,147,137	348,193	3,495,330		3,490,500	100.14%
Operations	4,251,204	477,646	4,728,850		5,113,750	92.47%
Finance	2,574,092	265,975	2,840,067		2,788,750	101.84%
Water Conservation	200,778	23,026	223,804		223,500	100.14%
Human Resources	188,457	3,608	192,065		267,850	71.71%
Information Technology*	613,029	85,790	698,819	(1,300)	735,450	95.02%
Water Purchases	3,121,316	479,762	3,601,078		2,800,000	128.61%
Water Recovery	(680,320)	290,968	(389,352)		(200,000)	194.68%
Capitalized Expenditures*	539,796	22,725	562,520	1,300	413,800	135.94%
GAC Filter Media Replacement	1,301,872	233,813	1,535,684		1,550,000	99.08%
Total Cash Operating Expenses	\$ 18,701,728	\$ 2,551,501	\$ 21,253,229	\$ -	\$ 22,053,600	96.37%
Non-Cash Operating Expenses:						
Depreciation	\$ 6,553,681	\$ 581,207	\$ 7,134,888		\$ 7,800,000	91.47%
OPEB Accrual Expense	1,785,346	147,678	1,933,024		2,000,000	96.65%
Bad Debts	5,220	563	5,784		100,000	5.78%
Service Costs Construction	18,396	94,617	113,013		125,000	90.41%
Capitalized Construction	(887,376)	(105,594)	(992,970)		(1,000,000)	99.30%
Total Non-Cash Operating Expenses	\$ 7,475,267	\$ 718,472	\$ 8,193,738	\$ -	\$ 9,025,000	90.79%
Net Operating Profit/(Loss)	\$ (5,241,027)	\$ (1,547,200)	\$ (6,788,227)	\$ -	\$ (9,033,600)	75.14%
Non-Operating Revenues:						
Assessments (Debt Service)	\$ 3,617,443	\$ 367,568	\$ 3,985,011		\$ 4,000,000	99.63%
Assessments (1%)	1,165,351	118,411	1,283,762		1,500,000	85.58%
DWR Fixed Charge Recovery	549,374	-	549,374		-	-
Interest	24,291	565	24,856		60,000	41.43%
Capital Improvement Fees	1,339,500	(81,682)	1,257,818		1,286,848	97.74%
State Grants	-	-	-		250,000	0.00%
Other	173,611	(16,839)	156,772		100,000	156.77%
Total Non-Operating Revenues	\$ 6,869,570	\$ 388,022	\$ 7,257,593	\$ -	\$ 7,196,848	100.84%
Non-Operating Expenses:						
Interest on Long-Term Debt	\$ 3,191,379	\$ 175,343	\$ 3,366,722		\$ 2,490,000	135.21%
Amortization of SWP	1,421,011	131,561	1,552,572		1,680,000	92.42%
Capital Lease	-	-	-		212,000	0.00%
Water Conservation Programs	45,650	3,572	49,222		150,000	32.81%
Total Non-Operating Expenses	\$ 4,658,040	\$ 310,476	\$ 4,968,516	\$ -	\$ 4,532,000	109.63%
Net Earnings	\$ (3,029,496)	\$ (1,469,654)	\$ (4,499,150)	\$ -	\$ (6,368,752)	70.64%

* Budget adjustments by General Manager per Appendix A

P & L BUDGET vs. ACTUAL



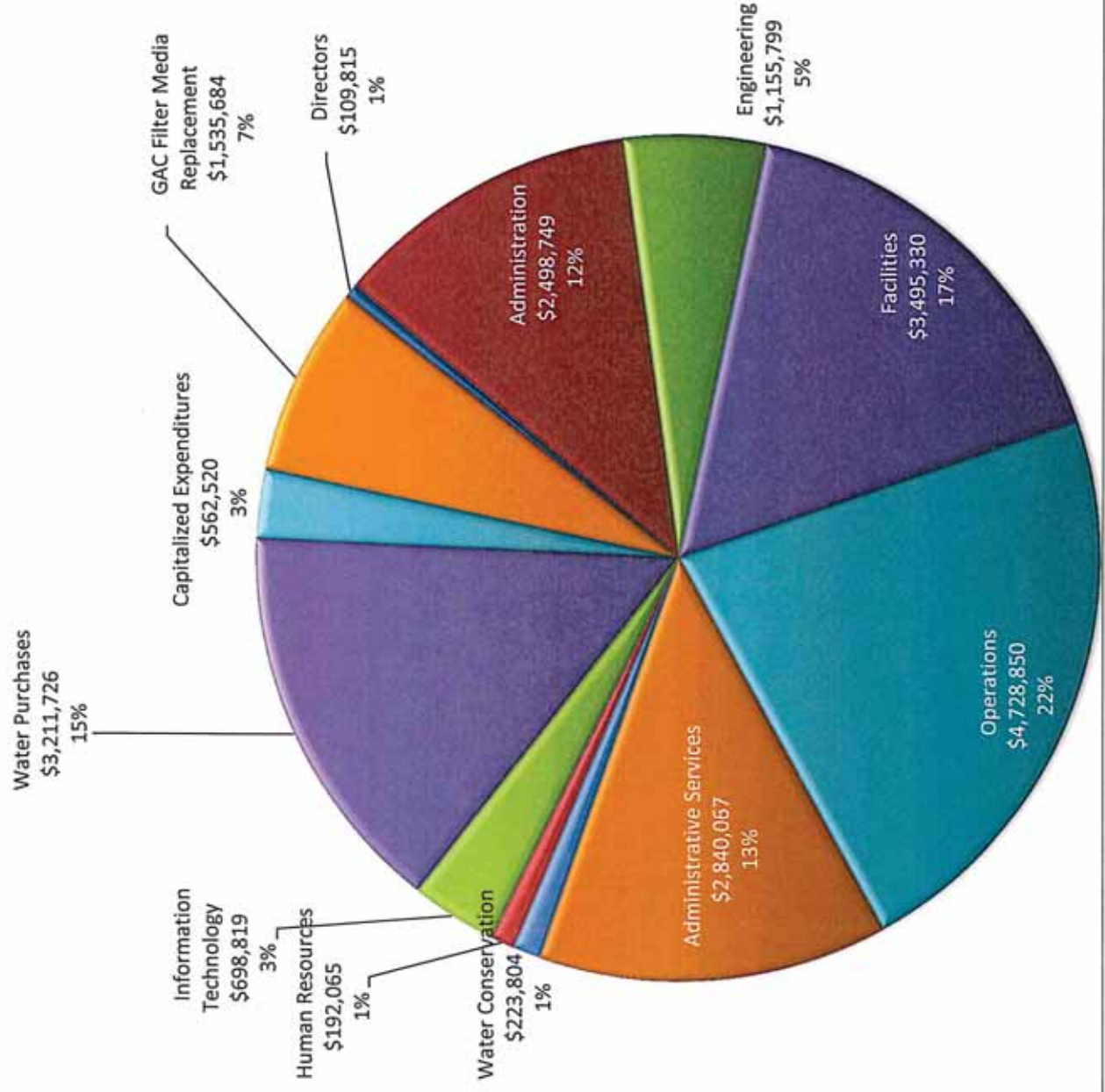
DEPARTMENTAL - BUDGET vs. ACTUAL



Cash Operating Expenses

YTD 12/31/12

\$21,255,191



Personnel to Operations Exp

YTD 12/31/12

\$21,255,191

Workers Comp, Vac. Exp., Life

\$42,294

0%

PERS

\$1,190,148

6%

Health Ins.

\$1,500,491

7%

Taxes

\$491,248

2%

Salaries

Operations

\$11,447,591

54%

Taxes

Health Ins.

PERS

Workers Comp, Vac. Exp., Life

Operations

Salaries

\$6,581,456

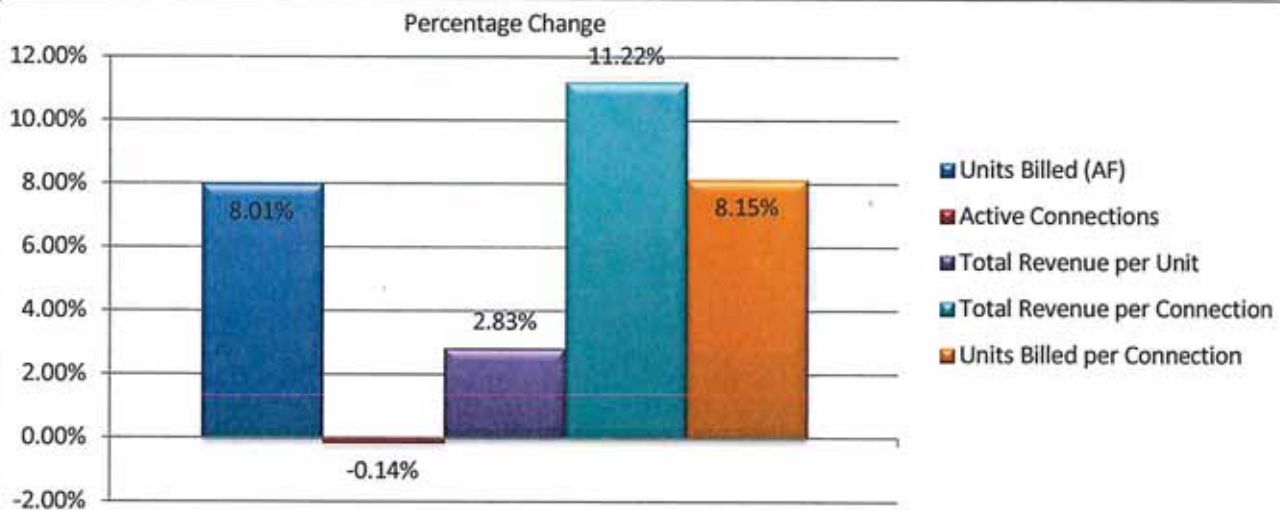
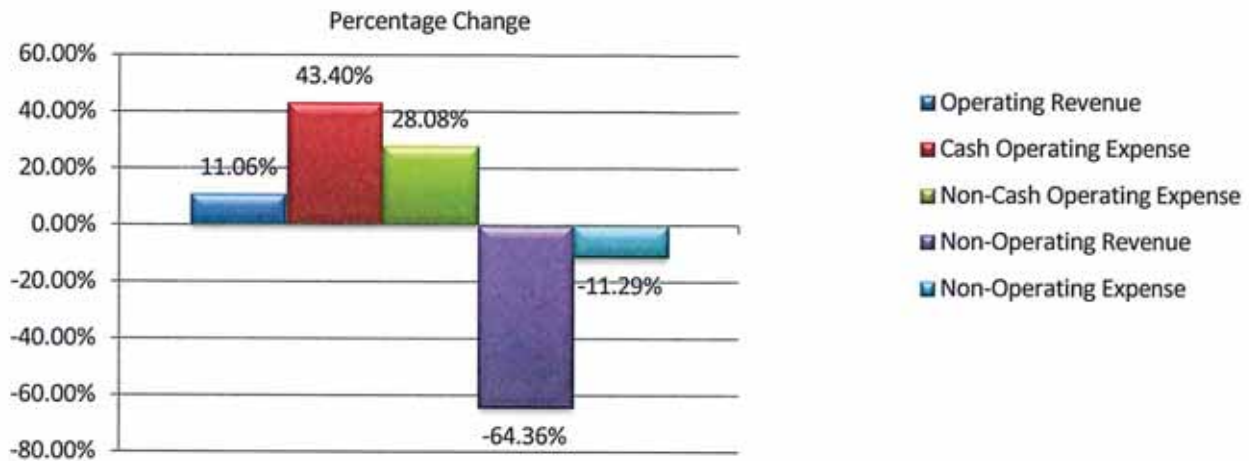
31%

Palmdale Water District
Profit and Loss Statement
Year-To-Year Comparison - December

	2011	2012		%	Consumption Comparison		
	December	December	Change	Change	Units Billed	2011	2012
Operating Revenue:						467,580	505,013
Wholesale Water	\$ -	\$ 11,878	\$ 11,878		Active	26,255	26,219
Water Sales	470,600	636,381	165,782	35.23%	Vacant	1,387	1,122
Meter Fees	862,861	847,570	(15,291)	-1.77%			
Water Quality Fees	93,470	101,003	7,532	8.06%	Rev/unit	\$ 3.32	\$ 3.41
Elevation Fees	29,365	31,454	2,089	7.11%	Rev/con	\$ 59.08	\$ 65.71
Other	94,860	94,487	(373)	-0.39%	Unit/con	17.81	19.26
Total Water Sales	\$ 1,551,157	\$ 1,722,773	\$ 171,616	11.06%			
Cash Operating Expenses:							
Directors	\$ 14,696	\$ 10,046	\$ (4,650)	-31.64%			
Administration	232,603	192,058	(40,545)	-17.43%			
Engineering	116,864	117,894	1,030	0.88%			
Facilities	253,527	348,193	94,665	37.34%			
Operations	433,922	477,646	43,724	10.08%			
Administrative Services	280,893	265,975	(14,918)	-5.31%			
Water Conservation	21,122	23,026	1,904	9.01%			
Human Resources	18,525	3,608	(14,917)	-80.53%			
Information Technology	94,350	85,790	(8,560)	-9.07%			
Water Purchases	557,220	479,762	(77,458)	-13.90%			
Water Recovery	(374,175)	290,968	665,142	-177.76%			
Capitalized Expenditures	129,800	22,725	(107,076)	-82.49%			
GAC Filter Media Replacement	-	233,813	233,813				
Total Cash Operating Expenses	\$ 1,779,347	\$ 2,551,501	\$ 772,154	43.40%			
Non-Cash Operating Expenses:							
Depreciation	\$ 602,307	\$ 581,207	\$ (21,100)	-3.50%			
OPEB Accrual Expense	59,070	147,678	88,608	150.01%			
Bad Debts	(6,570)	563	7,133	-108.58%			
Service Costs Construction	3,580	94,617	91,037	2542.88%			
Capitalized Construction	(97,416)	(105,594)	(8,178)	8.39%			
Total Non-Cash Operating Expenses	\$ 560,971	\$ 718,472	\$ 157,500	28.08%			
Net Operating Profit/(Loss)	\$ (789,162)	\$ (1,547,200)	\$ (758,038)	96.06%			
Non-Operating Revenues:							
Assessments	\$ 1,083,327	\$ 485,979	\$ (597,349)	-55.14%			
DWR Fixed Charge Recovery	-	-	-				
Interest	4,909	565	(4,344)	-88.48%			
Capital Improvement Fees	-	(81,682)	(81,682)				
State Grants	-	-	-				
Other	527	(16,839)	(17,366)				
Total Non-Operating Revenues	\$ 1,088,764	\$ 388,022	\$ (700,742)	-64.36%			
Non-Operating Expenses:							
Interest on Long-Term Debt	\$ 186,628	\$ 175,343	\$ (11,285)	-6.05%			
Amortization of SWP	162,319	131,561	(30,758)	-18.95%			
Capital Lease	-	-	-				
Water Conservation Programs	1,025	3,572	2,547	248.42%			
Total Non-Operating Expenses	\$ 349,973	\$ 310,476	\$ (39,496)	-11.29%			
Net Earnings	\$ (50,371)	\$ (1,469,654)	\$ (1,419,283)	2817.68%			

YEAR-TO-YEAR COMPARISON

December '11 -To- December '12



	2011	2012	Change	
Units Billed (AF)	1,073	1,159	86	8.01%
Active Connections	26,255	26,219	-36	-0.14%
Non-Active	1,387	1,122	-265	-19.11%
Total Revenue per Unit	\$3.32	\$3.41	\$0.09	2.83%
Total Revenue per Connection	\$59.08	\$65.71	\$6.63	11.22%
Units Billed per Connection	17.81	19.26	1	8.15%

Palmdale Water District

Revenue Analysis

For the Twelve Months Ending 12/31/2012

2011 to 2012 Comparison

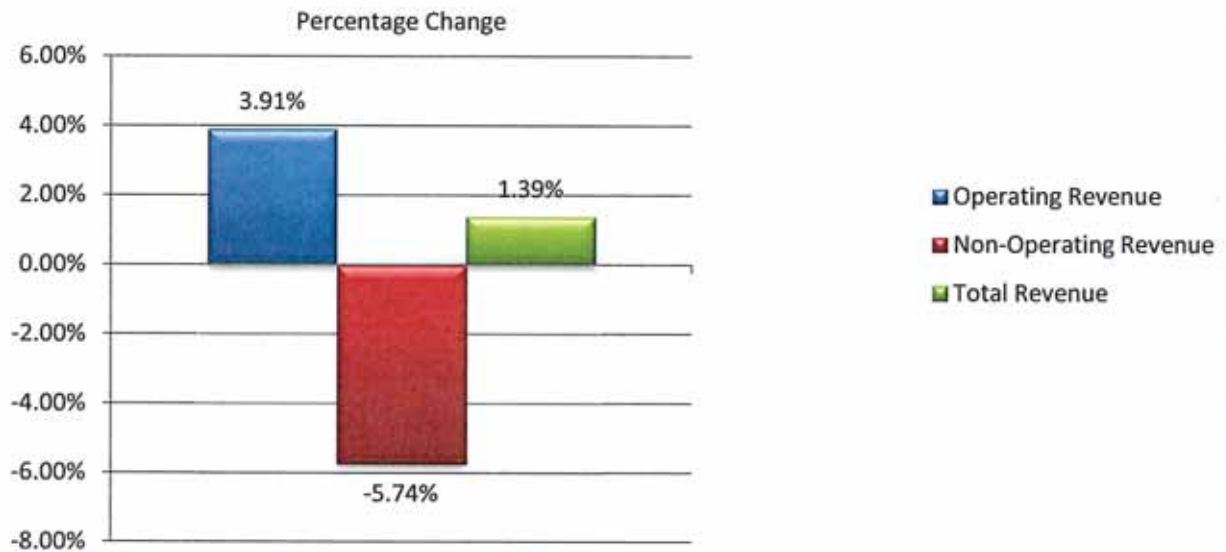
	Thru		December	Year-to-Date	Adjusted		% of Budget	Thru		December	Year-to-Date	% Change		
	November				Budget	Budget		November						
Operating Revenue:														
Wholesale Water	\$	38,467	\$	50,345	\$	175,000	28.77%	\$	38,467	11,878	50,345	0.64%		
Water Sales		8,095,728		8,732,109		8,145,000	107.21%		737,332	165,782	903,114	11.54%		
Meter Fees		9,470,462		10,318,032		10,400,000	99.21%		1,922	(15,291)	(13,369)	-0.13%		
Water Quality Fees		1,557,415		1,658,418		1,550,000	106.99%		106,885	7,532	114,417	7.41%		
Elevation Fees		532,045		563,499		525,000	107.33%		47,054	2,089	49,143	9.55%		
Other		1,241,851		1,336,338		1,250,000	106.91%		(250,199)	(373)	(250,572)	-15.79%		
Total Water Sales	\$	20,935,968	\$	1,722,773	\$	22,045,000	102.78%	\$	681,461	\$	171,616	\$	853,077	3.91%
Non-Operating Revenues:														
Assessments	\$	4,782,794	\$	485,979	\$	5,268,773	95.80%	\$	304,057	\$	(597,349)	\$	(293,292)	-5.27%
DWR Fixed Charge Recovery		549,374		-		549,374	-		(42,143)		-		(42,143)	-7.12%
Interest		24,291		565		60,000	41.43%		(49,318)		(4,344)		(53,663)	-68.34%
Capital Improvement Fees		1,339,500		(81,682)		1,286,848	97.74%		113,981		(81,682)		32,299	2.64%
State Grants		-		-		250,000	0.00%		(76,200)		-		(76,200)	-100.00%
Other		173,611		(16,839)		100,000	156.77%		8,292		(17,366)		(9,074)	-5.47%
Total Non-Operating Revenues	\$	6,869,570	\$	388,022	\$	7,196,848	100.84%	\$	258,669	\$	(700,742)	\$	(442,073)	-5.74%
Total Revenue	\$	27,805,538	\$	2,110,795	\$	29,916,333	102.31%	\$	940,129	\$	(529,125)	\$	411,004	1.39%

2011

	Thru	November	December	Year-to-Date	Adjusted Budget	% of Budget
Operating Revenue:						
Water Sales		\$ 7,358,395	\$ 470,600	\$ 7,828,995	\$ 9,400,000	83.29%
Meter Fees		9,468,540	862,861	10,331,401	10,650,000	97.01%
Water Quality Fees		1,450,530	93,470	1,544,001	1,600,000	96.50%
Elevation Fees		484,991	29,365	514,356	560,000	91.85%
Other		1,492,051	94,860	1,586,910	1,175,000	135.06%
Total Water Sales		\$ 20,254,507	\$ 1,551,157	\$ 21,805,664	\$ 23,385,000	93.25%
Non-Operating Revenues:						
Assessments		\$ 4,478,737	\$ 1,083,327	\$ 5,562,065	\$ 5,000,000	111.24%
DWR Fixed Charge Recovery		591,517	-	591,517	-	-
Interest		73,609	4,909	78,519	120,000	65.43%
Capital Improvement Fees		1,225,519	-	1,225,519	250,000	490.21%
State Grants		76,200	-	76,200	500,000	15.24%
Other		165,319	527	165,846	175,000	94.77%
Total Non-Operating Revenues		\$ 6,610,902	\$ 1,088,764	\$ 7,699,666	\$ 6,045,000	127.37%
Total Revenue		\$ 26,865,409	\$ 2,639,920	\$ 29,505,329	\$ 29,430,000	100.26%

REVENUE COMPARISON YEAR-TO-DATE

December '11-To-December '12



Palmdale Water District

Operating Expense Analysis

For the Twelve Months Ending 12/31/2012

2012

2011 to 2012 Comparison

	Thru November	December	Year-to-Date	Adjusted Budget	% of Budget	Thru November	December	Year-to-Date	% Change
Cash Operating Expenses:									
Directors	\$ 99,770	\$ 10,046	\$ 109,815	\$ 154,000	71.31%	\$ (30,242)	\$ (4,650)	\$ (34,892)	-24.11%
Administration	2,306,691	192,058	2,498,749	3,547,000	70.45%	(1,071,740)	(40,545)	(1,112,285)	-30.80%
Engineering	1,037,905	117,894	1,155,799	1,169,000	98.87%	(15,680)	1,030	(14,650)	-1.25%
Facilities	3,147,137	348,193	3,495,330	3,490,500	100.14%	195,210	94,665	289,876	9.04%
Operations	4,251,204	477,646	4,728,850	5,113,750	92.47%	3,525	43,724	47,249	1.01%
Administrative Services	2,574,092	265,975	2,840,067	2,788,750	101.84%	64,276	(14,918)	49,358	1.77%
Water Conservation	200,778	23,026	223,804	223,500	100.14%	14,337	1,904	16,241	7.82%
Human Resources	188,457	3,608	192,065	267,850	71.71%	(28,816)	(14,917)	(43,733)	-18.55%
Information Technology	613,029	85,790	698,819	736,750	94.85%	613,029	(8,560)	136,645	24.31%
Water Purchases	3,121,316	479,762	3,601,078	2,800,000	128.61%	1,539,577	(77,458)	1,462,119	68.36%
Water Recovery	(680,320)	290,988	(389,332)	(200,000)	194.68%	(209,244)	665,142	455,898	-53.94%
Capitalized Expenditures	539,796	22,725	562,520	412,500	136.37%	371,659	(107,076)	264,583	88.81%
GAC Filter Media Replacement	1,301,872	233,813	1,535,684	1,550,000	99.08%	82,666	233,813	316,479	25.96%
Total Cash Operating Expenses	\$18,701,728	\$2,551,501	\$21,253,229	\$22,053,600	96.37%	\$ 1,528,559	\$ 772,154	\$ 1,832,889	8.62%
Non-Cash Operating Expenses:									
Depreciation	\$ 6,553,681	\$ 581,207	\$ 7,134,888	\$ 7,800,000	91.47%	\$ (129,504)	\$ (21,100)	\$ (150,605)	-2.07%
OPEB Accrual Expense	1,785,346	147,678	1,933,024	2,000,000	96.65%	41,048	88,608	129,656	7.19%
Bad Debts	5,220	563	5,784	100,000	5.78%	(51,078)	7,133	(43,945)	-88.37%
Service Costs Construction	18,396	94,617	113,013	125,000	90.41%	(6,453)	91,037	84,584	297.53%
Capitalized Construction	(887,376)	(105,594)	(992,970)	(1,000,000)	99.30%	37,195	(8,178)	29,017	-2.84%
Total Non-Cash Operating Expenses	\$ 7,475,267	\$ 718,472	\$ 8,193,738	\$ 9,025,000	90.79%	\$ (108,793)	\$ 157,500	\$ 48,708	0.59%
Non-Operating Expenses:									
Interest on Long-Term Debt	\$ 3,191,379	\$ 175,343	\$ 3,366,722	\$ 2,490,000	135.21%	\$ 837,132	\$ (11,285)	\$ 825,847	32.50%
Amortization of SWP	1,421,011	131,561	1,552,572	1,680,000	92.42%	130,205	(30,758)	99,447	6.84%
Capital Lease	45,650	3,572	49,222	212,000	0.00%	(48,987)	2,547	(95,662)	-100.00%
Water Conservation Programs				150,000	32.81%			(46,440)	-1.14%
Total Non-Operating Expenses	\$ 4,658,040	\$ 310,476	\$ 4,968,516	\$ 4,532,000	109.63%	\$ 918,350	\$ (39,496)	\$ 783,191	19.15%
Total Expenses	\$30,835,034	\$3,580,449	\$34,415,483	\$35,610,600	96.64%	\$ 2,338,117	\$ 890,158	\$ 2,664,788	8.42%

Palmdale Water District

Operating Expense Analysis

For the Twelve Months Ending 12/31/2012

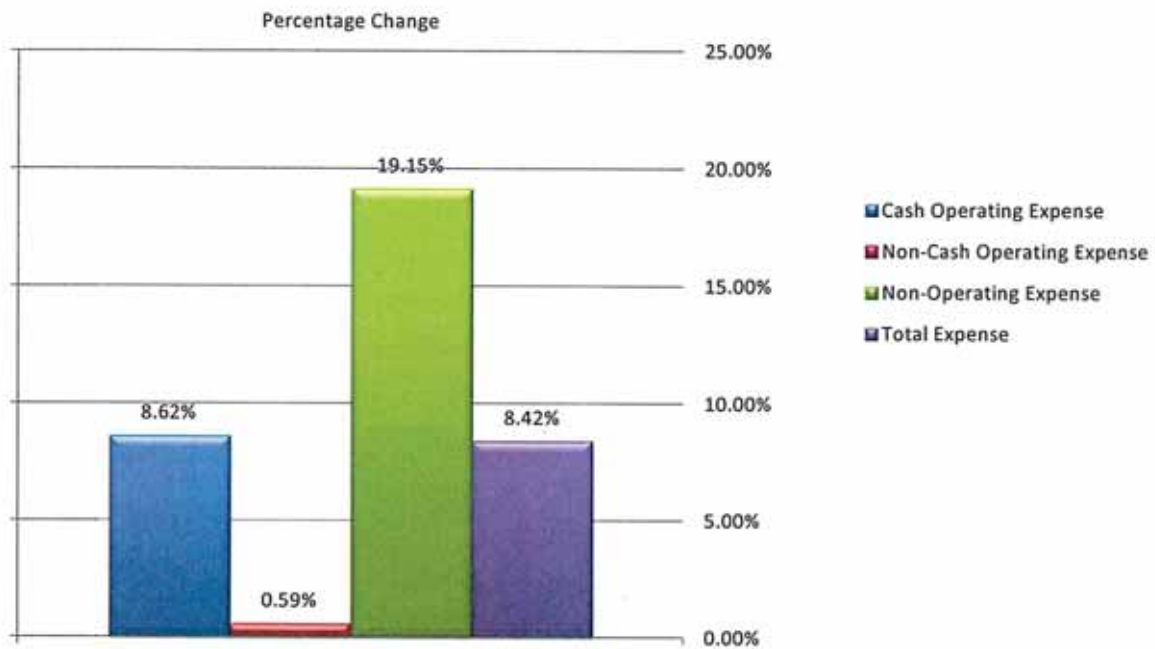
2011 to 2012 Comparison

2011

	Thru	November	December	Year-to-Date	Adjusted Budget	% of Budget
Cash Operating Expenses:						
Directors	\$	130,011	\$ 14,696	\$ 144,707	\$ 146,200	98.98%
Administration		3,378,431	232,603	3,611,034	3,176,000	113.70%
Engineering		1,053,585	116,864	1,170,449	1,127,000	103.86%
Facilities		2,951,927	253,527	3,205,454	3,317,000	96.64%
Operations		4,247,679	433,922	4,681,601	5,071,050	92.32%
Administrative Services		2,509,816	280,893	2,790,709	2,762,200	101.03%
Water Conservation		186,441	21,122	207,563	212,500	97.68%
Human Resources		217,273	18,525	235,797	273,000	86.37%
Information Technology		467,825	94,350	562,174	712,500	78.90%
Water Purchases		1,581,739	557,220	2,138,959	3,000,000	71.30%
Water Recovery		(471,076)	(374,175)	(845,250)	(200,000)	422.63%
Capitalized Expenditures		168,137	129,800	297,937	557,300	53.46%
GAC Filter Media Replacement		1,219,205	-	1,219,205	1,600,000	76.20%
Total Cash Operating Expenses		\$17,640,993	\$1,779,347	\$19,420,341	\$21,754,750	89.27%
Non-Cash Operating Expenses:						
Depreciation	\$	6,683,185	\$ 602,307	\$ 7,285,492	\$ 6,850,000	106.36%
OPEB Accrual Expense		1,744,298	59,070	1,803,368	550,000	327.89%
Bad Debts		56,298	(6,570)	49,729	100,000	49.73%
Service Costs Construction		24,849	3,580	28,429	125,000	22.74%
Capitalized Construction		(924,571)	(97,416)	(1,021,987)	(1,000,000)	102.20%
Total Non-Cash Operating Expenses		\$ 7,584,059	\$ 560,971	\$ 8,145,031	\$ 6,625,000	122.94%
Non-Operating Expenses:						
Interest on Long-Term Debt	\$	2,354,247	\$ 186,628	\$ 2,540,875	\$ 2,541,000	100.00%
Amortization of SWP		1,290,806	162,319	1,453,125	1,579,000	92.03%
Capital Lease		-	-	-	-	-
Water Conservation Programs		94,637	1,025	95,662	-	-
Total Non-Operating Expenses		\$ 3,739,690	\$ 349,973	\$ 4,089,662	\$ 4,120,000	99.26%
Total Expenses		\$28,964,742	\$2,690,291	\$31,655,033	\$32,499,750	97.40%

EXPENSE COMPARISON YEAR-TO-DATE

December '11-To-December '12



**Palmdale Water District
2012 Directors Budget
For the Twelve Months Ending Monday, December 31, 2012**

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-01-4000-000 Directors Pay	\$ 40,650	\$ 45,000	\$ -	\$ 4,350	90.33%
Employee Benefits					
1-01-4005-000 Payroll Taxes	3,167	5,500		2,333	57.58%
1-01-4010-000 Health Insurance	62,579	93,500		30,921	66.93%
Subtotal (Benefits)	65,746	99,000	-	30,921	66.41%
Total Personnel Expenses	<u>\$ 106,396</u>	<u>\$ 144,000</u>	<u>\$ -</u>	<u>\$ 35,271</u>	<u>73.89%</u>
OPERATING EXPENSES:					
1-01-4050-000 Directors Travel, Seminars & Meetings	3,419	10,000		6,581	34.19%
Subtotal Operating Expenses	3,419	10,000	-	6,581	34.19%
Total O & M Expenses	<u>\$ 109,815</u>	<u>\$ 154,000</u>	<u>\$ -</u>	<u>\$ 41,852</u>	<u>71.31%</u>

Palmdale Water District
2012 Administration Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-02-4000-000 Salaries	\$ 499,688	\$ 479,250		\$ (20,438)	104.26%
1-02-4000-100 Overtime	8,678	6,000		(2,678)	144.63%
1-02-4000-200 On-Call	54,620	64,000		9,380	85.34%
Subtotal (Salaries)	\$ 562,986	\$ 549,250		\$ (13,736)	102.50%
Employee Benefits					
1-02-4005-000 Payroll Taxes	30,681	42,000		11,319	73.05%
1-02-4010-000 Health Insurance	82,661	76,750		(5,911)	107.70%
1-02-4015-000 PERS	91,869	90,500		(1,369)	101.51%
1-02-4020-000 Worker's Compensation	126,579	200,000		73,421	63.29%
1-02-4025-000 Vacation Benefit Expense	(91,399)	35,000		126,399	-261.14%
1-02-4030-000 Life Insurance	7,115	7,500		385	94.86%
Subtotal (Benefits)	\$ 247,505	\$ 451,750	\$ -	\$ 204,245	54.79%
Total Personnel Expenses	\$ 810,492	\$ 1,001,000	\$ -	\$ 190,508	80.97%
OPERATING EXPENSES:					
1-02-4050-000 Staff Travel	\$ 8,537	\$ 8,000		\$ (537)	106.71%
1-02-4050-100 General Manager Travel	5,679	5,000		(679)	113.58%
1-02-4060-000 Staff Conferences & Seminars	754	3,000		2,246	25.13%
1-02-4060-100 General Manager Conferences & Seminars	2,184	4,500		2,316	48.53%
1-02-4070-000 Employee Expense	41,676	40,000		(1,676)	104.19%
1-02-4080-000 Other Operating	13,460	20,000		6,540	67.30%
1-02-4110-000 Consultants	202,109	200,000		(2,109)	101.05%
1-02-4125-000 Insurance	296,966	325,000		28,034	91.37%
1-02-4130-000 Bank Charges	108,284	130,000		21,716	83.30%
1-02-4135-000 Groundwater Adjudication	228,378	925,000		696,622	24.69%
1-02-4140-000 Legal Services	419,701	475,000		55,299	88.36%
1-02-4150-000 Accounting Services	22,304	20,000		(2,304)	111.52%
1-02-4155-000 Contracted Services	25,057	50,000		24,943	50.11%
1-02-4165-000 Memberships/Subscriptions	106,298	110,000		3,702	96.63%
1-02-4170-000 Elections	78,451	70,000		(8,451)	112.07%
1-02-4175-000 Permits	9,111	20,000		10,889	45.55%
1-02-4180-000 Postage	21,056	30,000		8,944	70.19%
1-02-4190-100 Public Relations - Publications	25,928	30,000		4,072	86.43%
1-02-4190-900 Public Relations - Other	1,437	1,000		(437)	143.67%
1-02-4200-000 Advertising	4,325	3,000		(1,325)	144.17%
1-02-4205-000 Office Supplies	17,878	20,000		2,123	89.39%
1-02-4215-200 Natural Gas - Office Building	3,637	5,000		1,363	72.73%
1-02-4220-200 Electricity - Office Building	45,048	50,000		4,952	90.10%
1-02-6300-100 Supplies - Janitorial	-	1,500		1,500	0.00%
Subtotal Operating Expenses	\$ 1,688,257	\$ 2,546,000	\$ -	\$ 857,743	66.31%
Total Departmental Expenses	\$ 2,498,749	\$ 3,547,000	\$ -	\$ 1,048,251	70.45%

Palmdale Water District
2012 Engineering Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-03-4000-000 Salaries	\$ 761,583	\$ 767,000		\$ 5,417	99.29%
1-03-4000-100 Overtime	1,173	7,500		6,327	15.64%
Subtotal (Salaries)	\$ 762,756	\$ 774,500		\$ 11,744	98.48%
Employee Benefits					
1-03-4005-000 Payroll Taxes	57,388	59,250		1,862	96.86%
1-03-4010-000 Health Insurance	157,833	158,000		167	99.89%
1-03-4015-000 PERS	143,557	144,250		693	99.52%
Subtotal (Benefits)	\$ 358,778	\$ 361,500	\$ -	\$ 2,722	99.25%
Total Personnel Expenses	\$ 1,121,535	\$ 1,136,000	\$ -	\$ 14,465	98.73%
OPERATING EXPENSES:					
1-03-4050-000 Staff Travel	\$ 4,239	\$ 4,250		\$ 11	99.73%
1-03-4060-000 Staff Conferences & Seminars	1,415	2,750		1,335	51.45%
1-03-4155-000 Contracted Services	4,186	6,000		1,814	69.77%
1-03-4165-000 Memberships/Subscriptions	2,798	3,000		202	93.25%
1-03-4250-000 General Materials & Supplies	1,870	2,000		130	93.50%
1-03-8100-100 Computer Software - Maint. & Support	19,757	15,000		(4,757)	131.71%
Subtotal Operating Expenses	\$ 34,264	\$ 33,000	\$ -	\$ (1,264)	103.83%
Total Departmental Expenses	\$ 1,155,799	\$ 1,169,000	\$ -	\$ 13,201	98.87%

Palmdale Water District
2012 Facilities Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-04-4000-000 Salaries	\$ 1,423,089	\$ 1,424,000		\$ 911	99.94%
1-04-4000-100 Overtime	29,565	45,000		15,435	65.70%
Subtotal (Salaries)	\$ 1,452,654	\$ 1,469,000		\$ 16,346	98.89%
Employee Benefits					
1-04-4005-000 Payroll Taxes	113,849	112,500		(1,349)	101.20%
1-04-4010-000 Health Insurance	393,665	394,000		335	99.91%
1-04-4015-000 PERS	269,180	266,000		(3,180)	101.20%
Subtotal (Benefits)	\$ 776,694	\$ 772,500	\$ -	\$ (4,194)	100.54%
Total Personnel Expenses	\$ 2,229,348	\$ 2,241,500	\$ -	\$ (3,283)	99.46%
OPERATING EXPENSES:					
1-04-4050-000 Staff Travel	\$ 78	\$ 3,000		2,922	2.59%
1-04-4060-000 Staff Conferences & Seminars	449	3,000		2,551	14.97%
1-04-4155-000 Contracted Services	27,017	33,000		5,983	81.87%
1-04-4215-200 Natural Gas - Buildings	3,093	4,500		1,407	68.73%
1-04-4220-200 Electricity - Buildings	28,758	17,500		(11,258)	164.33%
1-04-4225-000 Maint. & Repair - Vehicles	34,347	45,000		10,653	76.33%
1-04-4230-100 Maint. & Rep. Office Building	79,565	18,000		(61,565)	442.03%
1-04-4235-110 Maint. & Rep. Equipment	7,259	7,500		241	96.78%
1-04-4235-400 Maint. & Rep. Operations - Wells	254,070	150,000		(104,070)	169.38%
1-04-4235-405 Maint. & Rep. Operations - Boosters	39,274	50,000		10,726	78.55%
1-04-4235-410 Maint. & Rep. Operations - Shop Bldgs	6,618	10,000		3,382	66.18%
1-04-4235-415 Maint. & Rep. Operations - Facilities	18,919	15,000		(3,919)	126.13%
1-04-4235-420 Maint. & Rep. Operations - Water Lines	346,294	400,000		53,706	86.57%
1-04-4235-425 Maint. & Rep. Operations - Littlerock Dam	16,524	25,000		8,476	66.10%
1-04-4235-430 Maint. & Rep. Operations - Palmdale Dam	27,339	25,000		(2,339)	109.36%
1-04-4235-435 Maint. & Rep. Operations - Palmdale Canal	373	5,000		4,627	7.45%
1-04-4235-455 Maint. & Rep. Operations - Heavy Equipment	33,212	40,000		6,788	83.03%
1-04-4235-460 Maint. & Rep. Operations - Storage Reservoirs	104	7,500		7,396	1.39%
1-04-6000-000 Waste Disposal*	39,172	20,000	20,000	828	97.93%
1-04-6100-100 Fuel and Lube - Vehicle	135,193	130,000		(5,193)	103.99%
1-04-6100-200 Fuel and Lube - Machinery	40,573	43,000		2,427	94.36%
1-04-6200-000 Uniforms	17,031	20,000		2,969	85.15%
1-04-6300-100 Supplies - Misc.	38,922	50,000		11,078	77.84%
1-04-6300-800 Supplies - Construction Materials*	46,509	100,000	(20,000)	33,491	58.14%
1-04-6400-000 Tools	12,834	12,000		(834)	106.95%
1-04-7000-100 Leases -Equipment	12,457	15,000		2,543	83.04%
Subtotal Operating Expenses	\$ 1,265,983	\$ 1,249,000	\$ -	\$ (16,983)	101.36%
Total Departmental Expenses	\$ 3,495,330	\$ 3,490,500	\$ -	\$ (20,265)	100.14%

* Budget adjustments by General Manager per Appendix A

Palmdale Water District
2012 Operation Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-05-4000-000 Salaries	\$ 1,643,361	\$ 1,619,250		\$ (24,111)	101.49%
1-05-4000-100 Overtime	88,128	60,000		(28,128)	146.88%
Subtotal (Salaries)	\$ 1,731,489	\$ 1,679,250		\$ (52,239)	103.11%
Employee Benefits					
1-05-4005-000 Payroll Taxes	132,513	128,500		(4,013)	103.12%
1-05-4010-000 Health Insurance	359,376	367,500		8,124	97.79%
1-05-4015-000 PERS	308,076	304,000		(4,076)	101.34%
Subtotal (Benefits)	\$ 799,965	\$ 800,000	\$ -	\$ 35	100.00%
Total Personnel Expenses	\$ 2,531,453	\$ 2,479,250	\$ -	\$ (24,076)	102.11%
OPERATING EXPENSES:					
1-05-4050-000 Staff Travel	\$ 7,329	\$ 8,000		\$ 671	91.61%
1-05-4060-000 Staff Conferences & Seminars	10,530	9,500		(1,030)	110.84%
1-05-4120-100 Training - Lab Equipment	-	3,500		3,500	0.00%
1-05-4155-000 Contracted Services	57,871	59,000		1,129	98.09%
1-05-4175-000 Permits	39,536	51,000		11,464	77.52%
1-05-4215-100 Natural Gas - Wells & Boosters	93,714	150,000		56,286	62.48%
1-05-4215-200 Natural Gas - WTP	914	3,000		2,086	30.46%
1-05-4220-100 Electricity - Wells & Boosters*	1,113,121	1,450,000	(10,000)	326,879	77.30%
1-05-4220-200 Electricity - WTP	131,036	185,000		53,964	70.83%
1-05-4230-110 Maint. & Rep. - Office Equipment	-	500		500	0.00%
1-05-4235-110 Maint. & Rep. Operations - Equipment	12,475	15,000		2,525	83.17%
1-05-4235-410 Maint. & Rep. Operations - Shop Bldgs	2,674	6,000		3,326	44.57%
1-05-4235-415 Maint. & Rep. Operations - Facilities*	43,234	38,000	10,000	4,766	90.07%
1-05-4235-445 Maint. & Rep. Operations - Telemetry	4,962	2,250		(2,712)	220.52%
1-05-4235-450 Maint. & Rep. Operations - Hypo Generator	4,013	7,250		3,237	55.35%
1-05-4236-000 Palmdale Lake Management	14,742	15,000		258	98.28%
1-05-4270-300 Telecommunication - Other	2,557	2,250		(307)	520.00%
1-05-4300-300 Testing - Edison	11,700	12,000		300	26.34%
1-05-6000-000 Waste Disposal	3,161	15,000		11,839	66.49%
1-05-6200-000 Uniforms	9,973	10,000		27	176.21%
1-05-6300-100 Supplies - Misc.	17,621	15,000		(2,621)	38.57%
1-05-6300-200 Supplies - Hypo Generator	5,785	6,750		965	61.40%
1-05-6300-300 Supplies - Electrical	4,145	3,500		(645)	216.49%
1-05-6300-400 Supplies - Telemetry	7,577	7,500		(77)	454.33%
1-05-6300-600 Supplies - Lab	34,075	35,000		925	133.09%
1-05-6300-700 Outside Lab Work	46,580	65,000		18,420	6.45%
1-05-6400-000 Tools	4,190	6,500		2,310	
1-05-6500-000 Chemicals	513,587	450,000		(63,587)	0.07%
1-05-7000-100 Leases -Equipment	297	3,000		2,703	
Subtotal Operating Expenses	\$ 2,197,397	\$ 2,634,500	\$ -	\$ 437,103	83.41%
Total Departmental Expenses	\$ 4,728,850	\$ 5,113,750	\$ -	\$ 413,028	92.47%

* Budget adjustments by General Manager per Appendix A

Palmdale Water District
2012 Finance Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-06-4000-000 Salaries	\$ 1,533,269	\$ 1,531,250		\$ (2,019)	100.13%
1-06-4000-100 Overtime	18,656	25,000		6,344	74.63%
Subtotal (Salaries)	\$ 1,551,925	\$ 1,556,250		\$ 4,325	99.72%
Employee Benefits					
1-06-4005-000 Payroll Taxes	117,568	119,250		1,682	98.59%
1-06-4010-000 Health Insurance	369,836	381,000		11,164	97.07%
1-06-4015-000 PERS	289,841	286,500		(3,341)	101.17%
Subtotal (Benefits)	\$ 777,245	\$ 786,750	\$ -	\$ 9,505	98.79%
Total Personnel Expenses	\$ 2,329,170	\$ 2,343,000	\$ -	\$ 7,486	99.41%
OPERATING EXPENSES:					
1-06-4050-000 Staff Travel	\$ -	\$ 250		250	0.00%
1-06-4060-000 Staff Conferences & Seminars	928	1,000		72	92.84%
1-06-4155-300 Contracted Services	12,294	14,500		2,206	84.78%
1-06-4155-100 Contracted Services - Infosend	215,422	205,000		(10,422)	105.08%
1-06-4165-000 Memberships/Subscriptions	220	500		280	44.00%
1-06-4230-110 Maintenance & Repair - Office Equipment	117	1,000		883	11.66%
1-06-4235-440 Maint. & Rep. Operations - Large Meters	13,802	10,000		(3,802)	138.02%
1-06-4235-470 Maint. & Rep. Operations - Meter Exchanges	210,001	125,000		(85,001)	168.00%
1-06-4250-000 General Material & Supplies	2,810	4,000		1,190	70.25%
1-06-4260-000 Business Forms	7,851	10,000		2,149	78.51%
1-06-4270-100 Telecommunication - Office	13,995	30,000		16,005	46.65%
1-06-4270-200 Telecommunication - Cellular Stipend	15,170	17,000		1,830	89.24%
1-06-4270-300 Telecommunication - Cellular	1,564	3,000		1,436	52.14%
1-06-4300-200 Testing - Large Meter Testing	14,335	21,500		7,165	66.67%
1-06-7000-100 Leases - Equipment	2,389	3,000		611	79.63%
Subtotal Operating Expenses	\$ 510,897	\$ 445,750	\$ -	\$ (65,147)	114.62%
Total Departmental Expenses	\$ 2,840,067	\$ 2,788,750	\$ -	\$ (57,661)	101.84%

Palmdale Water District
2012 Water Conservation Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-07-4000-000 Salaries	\$ 152,210	\$ 151,750		\$ (460)	100.30%
1-07-4000-100 Overtime	1,000	1,250		250	80.03%
Subtotal (Salaries)	\$ 153,210	\$ 153,000		\$ (210)	100.14%
Employee Benefits					
1-07-4005-000 Payroll Taxes	11,710	12,000		290	97.58%
1-07-4010-000 Health Insurance	20,340	15,500		(4,840)	131.23%
1-07-4015-000 PERS	29,602	28,500		(1,102)	103.86%
Subtotal (Benefits)	\$ 61,652	\$ 56,000	\$ -	\$ (5,652)	110.09%
Total Personnel Expenses	\$ 214,862	\$ 209,000	\$ -	\$ (6,111)	102.80%
OPERATING EXPENSES:					
1-07-4050-000 Staff Travel	\$ 116	\$ 1,000		\$ 884	11.60%
1-07-4060-000 Staff Conferences & Seminars	399	500		101	79.80%
1-07-4190-300 Public Relations - Landscape Workshop/Training	442	2,500		2,058	17.66%
1-07-4190-400 Public Relations - Contests	-	500		500	0.00%
1-07-4190-500 Public Relations - Education Programs	3,995	5,000		1,005	79.89%
1-07-4190-700 Public Relations -General Media	875	3,000		2,125	29.17%
1-07-6300-100 Supplies - Misc.	3,116	2,000		(1,116)	155.80%
Subtotal Operating Expenses	\$ 8,942	\$ 14,500	\$ -	\$ 5,558	61.67%
Total Departmental Expenses	\$ 223,804	\$ 223,500	\$ -	\$ (554)	100.14%

Palmdale Water District
2012 Human Resources Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL 2012	ORIGINAL BUDGET 2012	ADJUSTMENTS 2012	ADJUSTED BUDGET REMAINING	PERCENT USED
Personnel Budget:					
1-08-4000-000 Salaries	\$ 105,474	\$ 127,500		\$ 22,026	82.72%
Employee Benefits					
1-08-4005-000 Payroll Taxes	8,432	10,000		1,568	84.32%
1-08-4010-000 Health Insurance	14,396	17,250		2,854	83.45%
1-08-4015-000 PERS	18,557	24,000		5,444	77.32%
Subtotal (Benefits)	\$ 41,384	\$ 51,250	\$ -	\$ 9,866	80.75%
Total Personnel Expenses	\$ 146,858	\$ 178,750	\$ -	\$ 31,892	82.16%
OPERATING EXPENSES:					
1-08-4050-000 Staff Travel	\$ 231	\$ 3,000		\$ 2,769	7.69%
1-08-4060-000 Staff Conferences & Seminars	250	2,000		1,750	12.50%
1-08-4095-000 Employee Recruitment	515	3,000		2,485	17.17%
1-08-4100-000 Employee Retention	2,014	1,500		(514)	134.30%
1-08-4105-000 Employee Relations	2,974	3,500		526	84.98%
1-08-4110-000 Consultants	-	1,000		1,000	0.00%
1-08-4120-100 Training-Safety Consultants	17,118	38,000		20,882	45.05%
1-08-4121-000 Safety Program	-	1,000		1,000	0.00%
1-08-4165-000 Membership/Subscriptions	1,946	1,600		(346)	121.62%
1-08-4165-100 HR/Safety Publications	348	1,000		652	34.76%
1-08-6300-500 Supplies - Safety	19,811	33,500		13,689	59.14%
Subtotal Operating Expenses	\$ 45,207	\$ 89,100	\$ -	\$ 43,893	50.74%
Total Departmental Expenses	\$ 192,065	\$ 267,850	\$ -	\$ 75,786	71.71%

Palmdale Water District
2012 Information Technology Budget
For the Twelve Months Ending Monday, December 31, 2012

	YTD ACTUAL	ORIGINAL BUDGET	ADJUSTMENTS	ADJUSTED BUDGET	PERCENT USED
	2012	2012	2012	REMAINING	
Personnel Budget:					
1-09-4000-000 Salaries	\$ 218,357	\$ 195,250		\$ (23,107)	111.83%
1-09-4000-100 Overtime	1,956	3,000		1,044	65.18%
Subtotal (Salaries)	\$ 220,313	\$ 198,250		\$ (22,063)	111.13%
Employee Benefits					
1-09-4005-000 Payroll Taxes	15,942	15,500		(442)	102.85%
1-09-4010-000 Health Insurance	39,804	40,000		196	99.51%
1-09-4015-000 PERS	39,467	37,000		(2,467)	106.67%
Subtotal (Benefits)	\$ 95,212	\$ 92,500	\$ -	\$ (2,712)	102.93%
Total Personnel Expenses	\$ 315,525	\$ 290,750	\$ -	\$ (25,820)	108.52%

OPERATING EXPENSES:

1-09-4050-000 Staff Travel	\$ 500	\$ 3,000		2,500	16.67%
1-09-4060-000 Staff Conferences & Seminars	8,167	15,000		6,833	54.45%
1-09-4120-100 Cogsdale Reimplementation & Templates*	21,236	70,000	(20,000)	28,764	42.47%
1-09-4155-300 Contracted Services - Computer Vendors*	119,450	105,000	(1,300)	(15,750)	115.19%
1-09-4165-000 Memberships/Subscriptions	240	500		260	48.00%
1-09-8000-100 Computer Equipment - Computers	53,420	45,000		(8,420)	118.71%
1-09-8000-200 Computer Equipment - Laptops	87	10,000		9,913	0.87%
1-09-8000-300 Computer Equipment - Monitors	1,918	2,000		82	95.92%
1-09-8000-400 Computer Equipment - Printers	1,905	2,500		595	76.20%
1-09-8000-500 Computer Equipment - Toner Cartridges	5,503	3,000		(2,503)	183.43%
1-09-8000-600 Computer Equipment - Other*	35,723	35,000	5,500	4,777	88.21%
1-09-8100-100 Computer Software - Maint. and Support*	81,134	70,000	(5,500)	(16,634)	125.79%
1-09-8100-150 Computer Software - Cogsdale Maint and Support	43,124	70,000		26,876	61.61%
1-09-8100-200 Computer Software - Software and Upgrades*	10,886	15,000	20,000	24,114	31.10%
Subtotal Operating Expenses	\$ 383,294	\$ 446,000	\$ (1,300)	\$ 61,406	86.19%
Total Departmental Expenses	\$ 698,819	\$ 736,750	\$ (1,300)	\$ 35,586	95.02%

* Budget adjustments by General Manager per Appendix A

The updated Committed Contracts Schedule will be distributed at the Board meeting.

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: February 6, 2013 **February 13, 2013**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Jim Stanton, IT Manager
VIA: Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 7.6 – CONSIDERATION AND POSSIBLE ACTION
ON SOCIAL ENGINEERING TESTING AND TRAINING***

Recommendation:

Staff recommends entering into the attached proposal with Illumant Consulting Services at a cost of \$9,500.00.

Background:

In today's environment, the weakest link in network security are the users. There are several attack strategies that people or agencies use to gain unauthorized access to corporate and municipal networks. One of the most prevalent is social engineering attacks. These attacks leverage a number of tactics to trick personnel into divulging sensitive information and can include any individual, or combination of the following:

- Phishing – forged emails that look authoritative that request user action
- Planted media – external, physical media like thumb drives, CDs and DVDs that contain malware, that are mailed or planted to entice users to load them
- Social networking – use of social networks, and their vulnerability to forged identities, to gain a user's confidence
- Pretext calling – call scripts designed to elicit sensitive info from users

Illumant, in cooperation with PWD, will select a sample of individuals to target with simulated attacks using these vectors. Users' responses are measured and reported. The attacks are designed to be benign with no persistent negative effect. This exercise serves a number of purposes beyond assessing the organization's susceptibility to social engineering:

BOARD OF DIRECTORS
PALMDALE WATER DISTRICT

VIA: Mr. Dennis D. LaMoreaux, General Manager

February 4, 2013

- It also raises overall user awareness to these types of threats. As word of the testing spreads, other users will become more cautious regarding inbound communications and requests.
- The report itself is teachable for training purposes. Names can be anonymized so as not to single out any individuals, and the report results can be shared with remaining users to further raise awareness (both of malicious actors and/or potential future testing).

Illumant will provide training to PWD employees about the common social engineering techniques, how to spot them, how to avoid them, and how to react. The training serves to raise awareness in the organization about social engineering and help the organization protect itself against these types of threats. Training will take the form of a webinar which will be recorded for those who cannot attend real-time. A simple test will be provided at the end to aid in lesson retention and to record participation.

Three to six months later, Illumant will follow the same model as the initial assessment, targeting a different set of individuals, to gauge the success of the training.

Strategic Plan Element:

This work is part of the IT Strategic Goal to continually increase network security.

Budget:

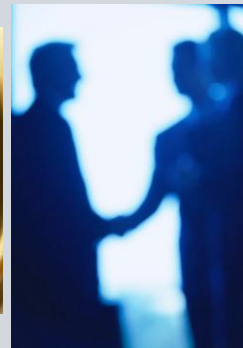
The current 2013 budget has \$20,000 allocated for this testing.

Supporting Documents:

- The Illumant proposal



Social Engineering Services



A Proposal for the Palmdale Water District



SOCIAL ENGINEERING SERVICES

A PROPOSAL FOR THE PALMDALE WATER DISTRICT

January 28, 2013

ILLUMANT, LLC
261 Hamilton Avenue, Suite 312
Palo Alto, CA 94301
(650) 961-5911



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

January 28, 2013

James Stanton
The Palmdale Water District
2029 E Avenue Q
Palmdale CA 93550

Dear James:

Illumant, LLC ("Illumant") appreciates the opportunity for our consulting group to provide the Palmdale Water District ("PWD") with a proposal for social engineering assessment and training services. This proposal includes the details of the proposed services and their associated deliverables, along with the fees, terms and conditions for Illumant to perform the work.

A social engineering assessment tests the vulnerability of an organization and its personnel to non-technical threats to the security of sensitive information; including a variety of confidence schemes that leverage Internet communications.

Typical social engineering threats leverage a number of vectors to trick an organization's users into divulging sensitive information, such as:

- Phishing – forged emails that look authoritative that request user action
- Planted media – external, physical media like thumb drives, CDs and DVDs that contain malware, that are mailed or planted to entice users to load them
- Social networking – use of social networks, and their vulnerability to forged identities, to gain a user's confidence
- Pretext calling – call scripts designed to elicit sensitive info from users

Illumant, in cooperation with PWD, will select a sample of individuals to target with simulated attacks using these vectors. Users' responses are measured and reported. The attacks are designed to be benign with no persistent negative effect.

This exercise serves a number of purposes beyond assessing the organization's susceptibility to social engineering:

- It also raises overall user awareness to these types of threats. As word of the testing spreads, other users will become more cautious regarding inbound communications and requests.
- The report itself is teachable for training purposes. Names can be anonymized so as not to single out any individuals, and the report results can be shared with remaining users to further raise awareness (both of malicious actors and/or potential future testing).

By request, Illumant can provide training to the organization after completion of the initial testing. Training will take place in the form of a webinar, which will be recorded for those who cannot attend, and will be followed up by a simple test to aid in lesson retention.

ILLUMANT, LLC | Information Security & Compliance

261 Hamilton Avenue, Suite 312, Palo Alto, CA 94301
650-961-5911 (phone) | 650-961-5912 (fax) | info@illumant.com | www.illumant.com



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Finally, PWD may seek to engage Illuminant for a follow-up test at a later point in time (3 months, 6 months, 1 year) to verify improvement and the positive effect of training.

Thank you for the opportunity to present this proposal. If the terms and objectives of our engagement as described in this proposal and the attached Terms and Conditions are acceptable, please authorize us to proceed by issuing a purchase order for the services requested. If you have any questions, please contact the following:

Matija Siljak – 650-248-4060

We look forward to assisting you and others in your organization with your security assessment requirements.

Sincerely,

Matija Siljak
Director, Advisory Services
Illuminant, LLC



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Requested Services

Social Engineering Assessment

Illumant will assess employees' awareness of security threats, and relevant organization disclosure and incident handling policies by trying to coax employees into disclosing passwords and other critical information through social networking, phishing, pretext calling, and planted media. Illumant will also attempt to gain unauthorized physical and network access to the client's locations. These social engineering exercises raise awareness of security threats as news of the attempts spreads. And the final report may be used effectively as training material for those who have not been tested.

Note: Illumant together with PWD will select a representative sample of 12-20 individuals for social engineering testing across the organization.

Social Engineering Training

Illumant will provide training to PWD employees about the common social engineering techniques, how to spot them, how to avoid them, and how to react. The training serves to raise awareness in the organization about social engineering and help the organization protect itself against these types of threats. Training will take the form of a webinar which will be recorded for those who cannot attend real-time. A simple test will be provided at the end to aid in lesson retention and to record participation.

Note: Illumant will provide a webinar and recording for future use, plus a test and full test results

Social Engineering Retest

The retest will follow the same model as the assessment above targeting a different set of individuals. Results will be gathered and compared with the first assessment to demonstrate the effectiveness of training and tangible Return-on-Investment.

Note: Illumant together with PWD will select a separate sample of 12-20 individuals for social engineering retesting.



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Methodology

Social Engineering	
Description	<ul style="list-style-type: none">• Use of a variety of social engineering techniques to convince employees and staff to divulge sensitive information• Utilize phone and email correspondence• Test awareness of security concerns and threats, and compliance with corporate disclosure and incident handling procedures <p>Our social engineering exercise is an attempt to establish false confidence with employees at the company to unwittingly manipulate them into divulging sensitive information such as account information, or other information that could be used to compromise security. In performing this exercise we use a combination of techniques, including pretexting, phishing and baiting.</p> <p>Social engineering tests an organization's awareness of security threats and compliance requirements concerning disclosure of information and incident handling policies and procedures. The results of the test are recorded and successes and failures indicated to motivate the degree of training needed to remediate and issues.</p>
Onsite / Offsite	Both
Tools	Proprietary techniques, including phone and email scripts and other standardized procedures
Client Requirements	None
Deliverables	<ul style="list-style-type: none">• Executive-level summary• Top Action Items• List of all security violations observed• Remediation recommendations

Reports

After completing the assessment and analysis, we will furnish a report containing summary information, graphical data, and detailed technical analysis along with action items to facilitate remediation. Before any final deliverables are submitted Illumant will engage key PWD team members to review draft reports and to discuss results and incorporate relevant feedback and context into the report. This hands-on process will allow the organization to derive the maximum value from the assessment and associated report, and ensures that all concerns are addressed appropriately.



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Professional Fees and Billing

Our fees are based on our consultants' level of experience and skill and the time and effort required to complete the assessment. The following section shows our rates for each project component. These rates include all travel and any out-of-pocket expenses.

Services components and associated fees:

Core Services	Fees
Social Engineering Assessment (SEA) 12-20 target individuals	\$5,500
Phishing 3-5 target individuals	
Planted Media 3-5 target individuals	
Social Networking 3-5 target individuals	
Pretext Calling 3-5 target individuals	
Discount	\$1,000
Sub-total	\$4,500

Additional Services	Fees
Social Engineering - Personnel Training Video Series Price per session, webinar recording provided	\$2,500
Follow-on Social Engineering Assessment Same scope as SEA above, includes trending analysis report	\$3,500
Discount	\$1,000
Sub-total	\$5,000

Total	\$9,500
--------------	----------------

Payment Terms

Social Engineering Assessment (SEA) and Follow-on SEA:

A 25% retainer fee will be billed at the start of each service component engagement. A milestone payment of 50% will be billed upon completion of the draft results. The remaining 25% will be billed upon delivery of the final reports. All payments are due Net 30 days from the invoice date.

Training:

Payment is due prior to delivery of training videos.

ILLUMANT, LLC | Information Security & Compliance

261 Hamilton Avenue, Suite 312, Palo Alto, CA 94301
650-961-5911 (phone) | 650-961-5912 (fax) | info@illumant.com | www.illumant.com



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

References

The references below showcase our depth of experience as well as our breadth of exposure to a variety of environments and methodologies:

Reference #1

Contact Name: **Dave Hopson, Principal**

Name of Company: **EDPR, Horizon Wind, Newfield Exploration (via TriumphusTek)**

Contact Telephone Number: (832) 814-7218

Contact Email Address: dave_hopson@triumphustek.com

Services: Illumant was hired by TriumphusTek to provide comprehensive security assessments to its clients – EDPR, Horizon Wind, Newfield Exploration, and others – to assist them in identifying and remediating potentially costly and dangerous security issues. Reviews targeted organizational and technical vulnerabilities, and included pen testing and assessment of both corporate networks, and SCADA systems.

Reference #2

Contact Name: **Brian Kirk, Chief Information Security Officer**

Name of Company: **CH2M Hill**

Contact Telephone Number: (864) 599-4535

Contact Email Address: brian.kirk@ch2m.com

Services: Illumant was hired by CH2M Hill to conduct a comprehensive security assessment of organizational, technical, and platform-specific aspects of security at the company, including external and internal technical security of routers, firewalls, servers, virtualization, applications, active directory, desktops, laptops and wireless networks. Additionally Illumant performed an assessment of CH2M's remote system and reviewed the configuration of their security information and event management (SIEM) system. On the organizational side, Illumant reviewed IT policies and procedures documentation relevant to security and provided specific recommendations on improving practices (including compliance with ISO 27002).

Reference #3

Contact Name: **Patrick Darcy, Senior Vice President, Information Security Officer**

Name of Company: **Bessemer Trust**

Contact Telephone Number: (732) 694-5588

Contact Email Address: darcy@bessemer.com

Services: Illumant was hired by Bessemer Trust to conduct an advanced black box penetration test of the company's networks and systems. The test was designed to test the company's ability to fend off real world cyber-attacks. To perform the simulated attack, Illumant used social engineering and technical penetration testing techniques to attempt to compromise the organization's networks and systems and to retrieve planted target files.

In related engagements, Illumant performed top-to-bottom security assessments covering all major aspects of information security at the company, including external and internal technical security of routers, firewalls, servers, active directory, desktops, laptops and wireless networks. Illumant also performed a social engineering exercise to test employee awareness of security threats and incident handling techniques.

Reference #4

Contact Name: **Shawn Wilde, Chief Information Officer**

Name of Organization: **Trimble Navigation Limited**

Contact Telephone Number: (408) 481-8555

Contact Email Address: shawn_wilde@trimble.com

Services: Illumant was hired by Trimble to perform blind penetration testing services. The results of the testing were used to help secure their expansive Internet presence as well as to



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

provide third-party validation of their internal security assessment program and associated methodologies.

Reference #5

Contact Name: **Matthew Ryffel, Network Analyst**

Name of Organization: **Valley Hospital**

Contact Telephone Number: 201-447-8116

Contact Email Address: mryffel@valleyhealth.com

Services: Illuminant was hired by Valley Hospital to perform a comprehensive security assessment of its information systems, including perimeter facing servers and devices, internal servers, desktops, laptops, and wireless equipment. Illuminant also assisted them with a physical security assessment, and a social engineering exercise to test the awareness of security threats and response protocols.

Reference #6

Contact Name: **Dave Clark, Founder and Chief Executive Officer**

Name of Organization: **MindSource, Inc.**

Contact Telephone Number: (650) 314-6407

Contact Email Address: dclark@mindsources.com

Services: MindSource leveraged the deep security expertise of Illuminant to provide security assessments to over 30 of its clients, including Fortune 500 companies, 10 or so regional and community banks, and a host of other public and privately held companies in a variety of industries. Illuminant served as a valuable partner to the firm as they sought to assist their clients with security, compliance and risk management needs. This relationship persists today.

Additional references are available upon request.



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Clients

Below is a partial list of Illumant's current and past clients:

Adobe Systems	K-Swiss
Advisor Software	Kingston Companies
Ariel Investments	Marketo
Bank of the Sierra	Maxygen
Bidz.com	Monogram Biosciences
Benelogic	NeoPhotonics
Bessemer Trust	NetManage
Bloom Energy	Newfield Exploration
BlueRoads	Pacific Premier Bank
Bowdoin College	Panasonic
Brocade Communications	Phoenix Technologies
Central Garden & Pet	Proteolix
CH2M Hill	Rainmaker Systems
Citizens Business Bank	Riverstone Networks
Clark Nuber P.S.	Shopping.com (eBay)
Coherent, Inc.	Solexa
CollabNet	SonicWall
Cornell University	Southwest Community Bank
County of Riverside	SouthwestUSA Bank
Danger	Stanford University
Disney Animation Studios	Sunrise Telecom
Duke University	TeleSoft Partners
E-Loan	The Link Group
EDPR	Thomas and Betts
Ellipse Communications	Titan Pharmaceuticals
Embarcadero Technologies	Trimble
EMC Insignia	Tropian
Essex Property Trust	Tyco Plastics & Adhesives
Excelligence Learning Corporation	Tympany
Foothill Independent Bank	UCLA
Foothill Securities	UC Santa Cruz
Foundry Networks	University of North Carolina
Glatfelter	University of California - UCSF
Glo	UT Starcom
GP Bullhound	Valley Hospital
Herakles Data Center	Vineyard Bank
Horizon Wind Energy	Virologic
InSite Vision	VMware
Invisalign	Western Municipal Water District
Juniper Networks	Zhone Technologies



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Team Bios

Ced Bennett, Emeritus Director, Information Security Services for Stanford University

As a Senior Lead Consultant at Illumant, Ced Bennett offers a dynamic combination of strategic leadership, large-scale management skills, and depth of technical expertise. In his role as Director, Information Security Services for Stanford University, Ced led a department tasked with building awareness and driving change in individual and organizational behavior with regard to increasing institutional information security. He led the team that was responsible for information security policy development and implementation and for moving the institution toward more effectively securing its information resources. As a well respected source of technical leadership, Ced is considered an evolutionist in the field of information security. He maintains this edge by continuing to seamlessly integrate emerging technologies with future client needs.

Ced has been a part of information technology senior management for more than 30 years. During that time he has been responsible for the leadership of a variety of information technology organizations including the development and support of administrative systems, the initial deployment and support of desktop and distributed computing, the development and support of library computing, and many others. Prior to joining Stanford, he held information technology leadership positions in the private sector for the electronics, wholesale/retail, health care, and IT services industries.

Ced is currently a member of the EDUCAUSE/Internet2 Computer and Network Security Task Force. A frequent speaker at professional conferences and seminars, Ced served as a founding faculty member from 1998 to 2001 in the CAUDIT-EDUCAUSE Institute held in Australia each year. He was instrumental in the creation of the CAUSE Management Institute (now the Leadership and Management Programs of the EDUCAUSE Institute) in 1990, in its direction through 1995 and as a faculty member through 1997. Ced was a member of the CAUSE Board of Directors from 1985 through 1989 serving as Chairman of the Board in 1987.

Ced holds a BA in philosophy from San Francisco State University and has completed graduate work in philosophy, cybernetic systems and business.

Matija Siljak, CISA

Mat Siljak is Director, Advisory Services, at Illumant, where he drives compliance and enterprise security services at Illumant. Leveraging deep technology, regulatory, and risk management expertise, he has managed over 100 consulting engagements for firms ranging from Fortune 500 to pre-public companies. Mat has participated in many high profile conferences, including "Sarbanes-Oxley: Lessons from the Trenches" and "Sarbanes-Oxley and the CIO." He is CISA certified and is a member of ISACA, and the San Francisco Bay Area Chapter of InfraGard which provides channels for the exchange of information about infrastructure threats and vulnerabilities

Prior to joining Illumant, Mat co-founded OLOSEC Network Security Solutions, an information security consulting firm based in Menlo Park, California. He previously held the position of Chief Technology Officer for Bullhound, Ltd., a global technology hedge fund based in London.

Mat holds a B.S. and an M.S. in Electrical Engineering, both from Stanford University. Mat has a CISA certification.

Roger Smith, CISA, CISSP, PCI Qualified Security Auditor (QSA)

Roger Smith is a Senior Consultant in Illumant's IT Risk Services practice, where he develops Illumant's consulting methodologies and project manages Illumant's security, SOX IT, SAS70, and other IT risk

ILLUMANT, LLC | Information Security & Compliance

261 Hamilton Avenue, Suite 312, Palo Alto, CA 94301
650-961-5911 (phone) | 650-961-5912 (fax) | info@illumant.com | www.illumant.com



Proposal for the Palmdale Water District
Social Engineering Services

and compliance projects. Prior to joining Illumant, Roger was the principal at Argos I/T Security Services, where he led security, SOX general controls and application audit teams at Siebel, Verity, MIPS, E-Loan, and Essex Property Trust. Prior to founding Argos, Roger had senior roles in three high growth startups, including Napster, the original online music company, where Roger was Executive Director of Operations. In that role Roger took that company from 10 people to 250 in six months and built out a world class data center from a single T1 line to one that pushed a sustained 1Gigabit 24x7. Roger also worked at NASA's Ames Research center for 15 years, making significant contributions to projects such as the first successful Martian Lander and the Lunar Prospector Satellite.

Roger holds a BS in Computer Science from Trinity University. He holds CISSP, CISA and PCI DSS Qualified Security Auditor (QSA) certifications.

Mark Snodgrass, CISSP, CISA

Apart from active roles in consulting engagements, Mark also drives the development of Illumant's consulting tools and systems, which enable and facilitate internal processes and drive consulting quality and efficiency. Mark is responsible for the development of a proprietary suite of tools and the integration of open-source products. He has focused on developing superior statistical analysis tools for vulnerability detection, IDS, denial of service prevention, and log review. Mark joined Illumant as a Senior Security Engineer in 2003. Prior to that, he co-founded OLOSEC Network Security Solutions. Over the past years, he has worked on hundreds of network security assessments and dozens of compliance audits.

During his tenure as a Ph.D. candidate at Stanford University, Mark researched large-scale stochastic systems, developing specialized statistical analysis tools and novel data-mining techniques.

Mark holds a B.S. and M.S. in Civil Engineering and a Ph.D. in Civil and Environmental Engineering, all from Stanford University. He is CISSP certified by the International Information Systems Security Certification Consortium and CISA certified by the Information Systems Audit and Control Association



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Terms and Conditions

1. **AGREEMENT.** This document serves as the agreement ("Agreement") between PWD and Illumant. The proposal ("Social Engineering Exercise, A Proposal for Palmdale Water District") is incorporated by reference into the Terms and Conditions. This agreement will expire 30 days from the date of the Agreement, unless it is accepted by PWD as provided below. Under this Agreement, Illumant will provide business consulting services to PWD.
2. **PAYMENT TERMS.** If not specified elsewhere in the proposal, Illumant's invoices are due and payable within 30 calendar days of invoice date. Any amount not paid within 60 days of invoice date will be subject to a finance charge of 1.5% per month, retroactive to the invoice date. In the event an invoice is not paid within 90 days of invoice date, PWD agrees that Illumant may, solely at Illumant's discretion, stop work subject to the payment.
3. **INDEPENDENT CONTRACTOR RELATIONSHIP.** Illumant's relationship with PWD will be that of an independent contractor and nothing in this Agreement should be construed to create a partnership, joint venture, or employer-employee relationship. Illumant is not the agent of PWD and is not authorized to make any representations, contracts, or commitments on behalf of PWD. Illumant shall not be restricted from entering into any contract to provide services to other business entities, except any contract which would induce Illumant to violate this Agreement.
4. **TERMINATION.** Either party may terminate this Agreement at its sole discretion and without any breach to the other upon 30 days' prior written notice. All invoices issued by Illumant for services performed under this Agreement shall remain due and payable. Paragraphs 2, 3, 4, 5, 6, 8, and 9 shall survive termination of this Agreement.
5. **INDEMNIFICATION.** PWD will indemnify and hold harmless Illumant and its personnel or agents from any claims, liabilities, costs, and expenses relating to Illumant's services under this Agreement, except to the extent such claims, liabilities, costs, and expenses are determined to have resulted from the negligence or willful misconduct of Illumant personnel or agents. Illumant will indemnify and hold harmless PWD and its personnel or agents from any claims, liabilities, costs, and expenses relating to Illumant's performance of services under this Agreement, except to the extent such claims, liabilities, costs, and expenses are determined to have resulted from the negligence or willful misconduct of PWD personnel or agents.
6. **CONFIDENTIAL INFORMATION.** Illumant will maintain the confidentiality of PWD's confidential information concerning PWD's business, plans, operations, finances, activities, customers, technology, and products, including the terms and conditions of this Agreement. PWD agrees not to disclose any confidential material obtained from Illumant without Illumant's prior written consent, except to the extent that such disclosure is an agreed objective of this engagement. PWD's use of Illumant's work product shall be limited to its stated purpose and to PWD's business use only. Illumant retains the right to use the ideas, concepts, techniques, industry data, and know-how Illumant uses or develops in the course of the engagement. PWD agrees to the use of fax, email, and voicemail to communicate both sensitive and non-sensitive matters.
7. **PWD ASSISTANCE.** For Illumant to provide services effectively and efficiently, PWD agrees to provide Illumant with any information requested in a timely manner and to make PWD employees available as required. The availability of personnel and the timing of their assistance are key elements in the successful completion of services and in the determination of fees. Completion of Illumant's work depends on appropriate and timely cooperation from PWD's personnel and complete, accurate, and timely responses to inquiries. If for any reason this does not occur, Illumant will provide to PWD a revised fee schedule to reflect the additional time or resources required by Illumant, and PWD agrees to hold Illumant harmless against all matters that arise, in whole or in part, from any resulting delay. If circumstances arise that, in Illumant's professional judgment, prevent Illumant from completing this engagement according to the terms of this Agreement, Illumant retains the right to take any course of action, including declining to issue work product or withdrawing from the engagement.
8. **SOLICITATION.** If PWD wishes to offer employment to any of Illumant's representatives, and if the representative wishes to accept such employment, Illumant has the right to invoice PWD, and PWD will promptly pay, a fee equal to 30% of representative's projected first year's cash compensation including bonus. Otherwise, both parties agree that during the period of this Agreement and for one year after its expiration or termination, neither party will solicit any personnel of the other party for employment.
9. **ARBITRATION; ATTORNEY FEES.** Any dispute, controversy or claim between Illumant and PWD arising from or relating to this Agreement, or its breach, will be resolved through binding confidential arbitration to be conducted by the American Arbitration Association in Santa Clara County, California, pursuant to its Commercial Arbitration Rules,



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

and judgment upon the award rendered by the Arbitrator(s) may be entered by any court having jurisdiction over the matter. If any action or proceeding is initiated to enforce any provision, or remedy any breach of this Agreement, the prevailing party shall be entitled to recover its costs, including but not limited to reasonable attorney fees.



ILLUMANT

Proposal for the Palmdale Water District
Social Engineering Services

Signature Page

By signature below Illumant and PWD agree to the scope of the information security assessment and training services as described in this proposal and the terms and conditions above.

Palmdale Water District

Illumant

By: _____

By: Matija Siljak

Name: _____

Name: Matija Siljak

Title: _____

Title: Director Advisory Services

Date: _____

Date: January 28, 2013

**PALMDALE WATER DISTRICT
BOARD MEMORANDUM**

DATE: February 7, 2013 February 13, 2013
TO: BOARD OF DIRECTORS Board Meeting
FROM: Mr. Dennis D. LaMoreaux, General Manager
RE: *AGENDA ITEM NO. 7.7 – CONSIDERATION AND POSSIBLE ACTION
ON RECRUITMENT TO FILL TREATMENT PLANT SUPERVISOR
POSITION.*

Recommendation:

Recruitment to fill the Treatment Plant Supervisor position was discussed by the Personnel Committee, but no recommendation was made on this item other than to agree to bring this item to the full Board for consideration.

Supporting Documents:

- February 6, 2013 memo from Operations Manager Thompson II regarding the Treatment Supervisor position

PALMDALE WATER DISTRICT



Memo

Date: 2/6/2013

To: Personnel Committee via Dennis LaMoreaux, General Manager

From: Peter Thompson, Operations Manager

Re: Water Treatment Supervisor

Dear Personnel Committee,

As you are considering your recommendation for filling the position of Water Treatment Supervisor, I would like to present its essential functions and value.

The Water Treatment Supervisor is responsible for the day to day operations of the Leslie O. Carter Treatment Plant. This includes direct supervision of Plant Operators and Plant Maintenance staff, process and chemical changes, chemical cost negotiations, maintenance contractor negotiations, GAC scheduling, reviews general purchase bids, assists in planning and coordinating lake maintenance, participates in advanced process and equipment troubleshooting, maintains and reviews records to track and ensure compliance with regulations, develops standard operating procedures, develops the monthly performance report to CDPH, conducts tours, give performance evaluations for operators and maintenance staff, trains staff on new equipment and procedures, coordinates production plans with Systems Supervisor, acts as back up to the Operations Manager for plant emergencies response and as regulatory liaison, and special projects as assigned.

Some special projects upcoming that Water Treatment Supervisor will be involved in are as follows:

1. CMMS (Computer Maintenance Management System) initiation. This system will modernize our maintenance program. This moves the plant away from paper records and manuals to computer file recording and access. This makes performance and repair histories on individual pieces of equipment much simpler to access. It will save time in troubleshooting. It will help setup routine maintenance schedules and equipment repairs.
2. Coordination of installation, removal, and operation of the Siemens GAC Full-scale test. This test will determine if this carbon is a cost effective competitor to our current GAC.
3. Plant SCADA reprogramming. After two phases of plant improvements and it is time to readdress SCADA functionality for the treatment plant. This will effectively prune out unnecessary or ineffective SCADA routines and create more efficient and effective routines to help the operators monitor and adjust plant performance.
4. Rehabilitation of the Flocculent Aid chemical feed station. This is a chemical station that has not worked properly since install and if rehabbed may provide improved plant performance and cost savings through decreased need in coagulant chemicals.

5. Trial of Bentonite Clay addition for improved plant performance during cold water, low turbidity situations. This also has the potential for plant performance improvement and chemical cost savings.
6. Sludge removal system optimization. This system function currently has the most pronounced effect on plant performance of any existing plant process. It directly impacts filter run times and effluent turbidity. With the Plant SCADA reprogramming an opportunity exists to study and optimize the performance of this system. This could improve plant performance and reduce the amount of water needed for washing filters.
7. Localized GAC at Underground Tank project. The Treatment Supervisor would coordinate the operation of this system with the Systems Supervisor and the Water Quality Supervisor. Effective use of this system could significantly reduce the burden on the GAC at the Treatment Plant. This would allow for accrual in the Water Quality fund in preparation for a poor raw water quality year.
8. Second Emergency Response Drill. In 2012 Operations conducted an Emergency Response Drill to simulate response during a sizable earthquake. The Water Treatment Supervisor is a key figure in developing and executing this drill. Another drill is tentatively planned for 2013.
9. Development of Multimedia Standard Operating Procedures. This would collect and record standard operating procedures on video for review by effected staff. This would improve knowledge retention and more effectively standardize operating procedures

Another matter of importance is the redundancy and succession potential that this position provides. The Operations Manager is required to possess the highest water treatment and distribution licenses granted by the CDPH. This is necessary since the District is required by law to designate a Chief Treatment and Chief Distribution Operator in control of operations and accountable to the CDPH. The Treatment Plant Supervisor is the clearest path to develop a Chief Operator who can fill in for the Operations Manager in the event of illness, retirement or attrition.

The essential duties of the Water Treatment Plant Supervisor are a full time and critical job by themselves and deserve the full attention of a qualified individual. The refilling of this position will allow further improvements in the department's efficiency and effectiveness through the pursuit of the special projects outlined above.

What if we leave the position vacant? The upside is cost savings in salary and benefits. The down side is dilution of oversight in a critical and costly portion of District operations, reduced ability to pursue improvements to plant performance and cost reducing programs. Finally it would further extend the vulnerability of lacking redundancy for the position of Chief Treatment and Chief Distribution Operator.

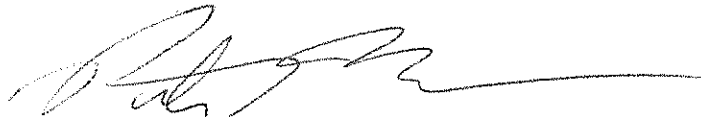
It is my strong recommendation to open this position for recruitment of a qualified candidate as expeditiously as possible.

If you have any questions or comments regarding this recommendation, do not hesitate to contact me.

Very Truly Yours,

Peter Thompson II

Operations Manager



February 4, 2013

PALMDALE WATER DISTRICT
2013 STANDING COMMITTEES AND APPOINTMENTS

FACILITIES:

ALVARADO (Chair), DEXTER

- 1) District Owned Land and Buildings
- 2) Water Treatment Plant
- 3) Land Sales and Leases
- 4) Rolling Stock, Radios, Control Systems, and Misc. Equipment
- 5) Palmdale Ditch and Littlerock Dam

FINANCE:

DIZMANG (Chair), CORDOVA

- 1) Water Rates
- 2) Budget, Auditing, and Accounting Procedures
- 3) Investments
- 4) Capital Improvement Fee, Assessment Parity Charge, etc.

PERSONNEL:

MAC LAREN (Chair), DIZMANG

- 1) Organizational Structure
- 2) Salary, Benefits and Retirement
- 3) Personnel Policies
- 4) ACWA JPIA

OUTREACH:

DIZMANG (Chair), ALVARADO

- 1) Publications
- 2) Education Programs
- 3) Community Organizations

WATER SUPPLY
& RELIABILITY:

DEXTER (Chair), DIZMANG

- 1) Surface Water Supply, Reliability, Delivery
- 2) Groundwater Supply
- 3) Water Banking and Storage
- 4) Water Conservation

(GENERAL MANAGER TO SERVE ON ALL COMMITTEES AT THE REQUEST OF THE CHAIR)

PALMDALE WATER DISTRICT DIRECTOR APPOINTMENTS

- Antelope Valley State Water Contractors Association Alvarado, Mac Laren, Cordova (Alt.)
- Palmdale Recycled Water Authority Dexter, Mac Laren, Dizmang (Alt.)
- Plant 42 Environmental Restoration Advisory Board Alvarado, Engineering Mngr. Knudson
(Alternates: Mac Laren and LaMoreaux)
- Association of California Water Agencies & JPIA Dizmang, Mac Laren (Alt.)

PALMDALE WATER DISTRICT AD HOC COMMITTEES

The Board President shall appoint Ad Hoc Committees from time to time and reconstitute such committees as the need arises.

BOARD LIAISONS

The Board President shall act as and/or appoint Liaisons to various functions and organizations to represent PWD.

VMWARE AND CISCO
CERTIFIED NETWORK ADMINISTRATOR BOOT CAMPS
March 11 - 15, 2013 and May 13 - 19, 2013
Las Vegas, Nevada

NAME: _____

ADVANCE REGISTRATION DEADLINE: _____

MEALS: ___ YES SPOUSE: ___ YES SPOUSES' TOUR: ___ YES
 ___ NO ___ NO ___ NO

DEPARTMENTAL TRAVEL BUDGET:

REGISTRATION: _____ TRAVEL: _____
 TOTAL REMAINING BALANCE: _____

PROPOSED EXPENSES: Registration: _____
 Transportation: _____
 Meals:* _____
 Miscellaneous: _____
 TOTAL: _____

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

HOTEL ACCOMMODATIONS: ___ YES ___ NO REGISTRATION DEADLINE: _____
 ARRIVAL DATE/TIME: _____ DEPARTURE DATE/TIME: _____

TYPE OF ACCOMMODATIONS: _____ SINGLE (1 PERSON)
 _____ DOUBLE (2 PEOPLE)
 _____ (2 PEOPLE/2 BEDS)

AIRLINE RESERVATIONS: ___ YES ___ NO

DEPART FROM _____ on _____ at _____ AM/PM
 (airport) (date) (time)

RETURN FROM _____ on _____ at _____ AM/PM
 (airport) (date) (time)

SUPERVISOR APPROVAL: _____ DATE: _____

2013 IT Training Request

I have selected the VMWare and Cisco Certified Network Administrator boot camps for Tyrone and myself to attend this year. By successfully completing these classes Tyrone and I will pick up the advanced skills necessary to manage the network infrastructure and VMWare projects. These skill sets will be used to reduce reliance on consultants and vendors thus reducing support costs to the District.

These 2 classes encompass over 105 hours of comprehensive training delivered by lecture, book research, and hands on performance. Netcom Learning was used last year and delivered outstanding training for Tyrone and myself. The cost of the 2 boot camps is \$6,999 and includes course materials, hotel, breakfast, and lunch. IT Budget is \$15,000. Tyrone will attend the VMWare boot camp 3/11 – 3/15 and I plan to attend the Cisco boot camp 5/13 – 5/19.

If these courses are anywhere near the caliber of last year's training I anticipate 2014 attendance to be the same classes, just reversed for attendance.

Course descriptions and outlines follow.

VMware vSphere 5 Boot Camp

VMware vSphere 5 Boot Camp Course Description

In our VMware vSphere™ Boot Camp we present Cloud Computing (A.K.A. "virtualization") in a logical, easy-to-absorb format. Each participant builds and manages their own complete VMware vSphere™ environment including ESXi 5, vCenter 5, SAN Storage, Virtual Machines, Virtual Appliances, Backup and more.

What makes our approach so unique is that every participant builds an actual datacenter environment on real servers, from beginning to end. Most importantly, we use the same procedures, in the same order as they would be implemented in your own datacenter! That means that our Step-by-Step Labs (SBS LABS)™ are sure to become lasting reference materials and a clear, real-world roadmap for the design, implementation and management of VMware vSphere™ including:

- What's New in VMware vSphere 5
- Planning and Design for VMware vSphere™
- Implementation with ESXi 5 and vCenter 5
- VMware vSphere™ Management
- Virtualize Business-Critical workloads with VMware vSphere™
- Cloud Control - "Own your cloud and manage it too!"
- Backup and Remediation VMware vSphere™ - 5
- VMware vSphere™ Integrations, Tools and 3rd. Party

NetCom Learning's VMware vSphere™ Boot Camp is the most comprehensive class we offer. In 50-hours of classroom instruction, each participant will gain a comprehensive understanding of Public, Private, and Hybrid Cloud Computing with VMware vSphere™. This course covers all the bases plus advanced management and emphasizes real world and Best Practice techniques and integrations for maintaining a production VMware vSphere™ environment. This class is fully compatible with both vSphere 4 and vSphere 5!

All Labs will be done using our state-of-the-art VMware Hardware Compatibility List servers. Participants will learn not only vSphere management, but also real-world integrations and datacenter management scenarios which go far beyond the scope of other training programs.

The VMware vSphere™ Boot Camp features over 60 interactive Step-By-Step Labs (SBS LAB™), complete with detailed instructions, full-color documentation and screenshots of all steps. The book alone is sure to become one of the most valued reference materials in your library.

Get more information on the CVDX Certification exam here: [CVDX Exam Blueprint](#)

VMware vSphere 5 Boot Camp Course Objectives

- Install and configure ESXi, vCenter Server, vStorage API and VMware Data Protection
- Manage ESXi hypervisor security, firewall, SSH access and Active Directory
- Create and manage Virtual Machines and Appliances
- Connect to SAN Storage, manage storage paths, create VMFS Volumes
- Manage virtual networking including multiple NIC's, Load Balancing and Fail-over
- Configure Jumbo Frames the right way for iSCSI
- Use vNetwork Distributed Switches
- Configure Roles, Privileges and Permissions
- Use Host Profiles
- Monitor Tasks, Events and Alarms
- Perform migrations (P2V, V2V, V2P) both "hot" and "cold"
- Configure ESX Server Clusters
- Implement vMotion and Distributed Resource Scheduling
- Implement High Availability
- Implement and use Distributed Power Management
- Manage resources with Resource Pools
- Install and use the VMware vCenter Update Manager (VUM) to patch ESXi 5 hosts and Virtual Machines
- Backup VM's using VMware the vStorage API
- Utilize and integrate 3rd Party Tools into the datacenter environment
- Command line management of ESXi Servers using the Technical Support Mode and Remote Command Line interfaces
- Install and use the vSphere Management Assistant (vMA)
- Monitor performance using advanced tools and commands

The VMware vSphere 5 Boot Camp Course prepare students for the following Exams

- CVDX : Certified Virtualized Datacenter eXpert (CVDX)

VMware vSphere 5 Boot Camp Course Outline

- I. Introduction and Overview
- II. Cloud Computing and Virtualization
 1. Public, Private and Hybrid Clouds
 2. Virtualization defined
 3. What's in it for me?
 4. What is a hypervisor?

III. VMware vSphere™

1. What is VMware vSphere™?
2. VMware vSphere™ Components
3. What's new in VMware vSphere™ 5

IV. Preparing to deploy VMware vSphere™

1. Server Hardware Configuration

V. Install ESXi (VMware vSphere™ Hypervisor)

VI. ESX hypervisor security, user authentication

1. User accounts
2. The VMware vSphere™ Client

VII. Time In a VMware vSphere™ Environment

VIII. SBS LAB - Configure NTP on ESX with an External Stratum 1 time source

IX. ESXi and Active Directory

1. Directory-based authentication, Default user Groups

X. Virtual Machines

1. Virtual Machine Concepts
2. Student's choice VM
3. Virtual Machine Files
4. Modifying Virtual Machines, Prepare VM for Production

XI. Virtual Machine Resource Allocation

1. Memory Management, Transparent Page Sharing, and Memory Ballooning
2. ESX Memory Swapping

XII. Virtual Networking

1. Standard vSwitch Properties
2. Port Groups (Connection Types)
3. VLAN's
4. Uplinks (Physical NIC's)
5. Super vSwitch Concept
6. Network Diagnostics and Recovery

XIII. ESX Server SAN Storage and Multipathing

1. The VMFS file system
2. iSCSI SAN
3. VMFS 3 and VMFS 5

XIV. Operating System Migration (P2V, V2V, V2P, P2P)

XV. vCenter Server

1. vCenter Server Services
2. vCenter Requirements
3. vCenter Required Components
4. vCenter Required Ports
5. Preparing for a vCenter Server Installation
6. The vCenter Database

XVI. vCenter Management

XVII. Initial Configuration

1. Tasks Events and Alarms
2. Host Profiles
3. vCenter Permissions
4. Templates and Clones

XVIII. The VMware Update Manager

XIX. Performance Charts and Monitoring

1. Charts, Options and Counters
2. Using vCenter Performance Charts

XX. vMotion and Storage vMotion

1. vMotion requirements

XXI. vCenter Clustering

1. Reasons for Clustering
2. Types of VMware vSphere™ Clusters
3. Resource Pools
4. VMware High Availability

XXII. Distributed Power Management (DPM)

1. DPM Requirements and Considerations

XXIII. Backup Techniques for a Virtualized Datacenter

1. VMware vStorage API

XXIV. Tools and Integrations for a Virtualized Datacenter

1. Disk Partitioning
2. Management Monitoring and Reporting Tools

XXV. Using the Remote Command Line to manage ESXi

1. A summary of Remote Commands
2. Considerations for Remote Command Line management

XXVI. vNetwork Distributed Switch

1. Versions and use cases

CCNA®, CCENT (ICND1, ICND2) Boot Camp Course Objectives

Describe how networks function, identifying major components, function of network components, and the OSI reference model

Describe issues related to increasing traffic on an Ethernet LAN and expand the switched network from a small LAN to a medium-sized LAN with multiple switches supporting VLANs, trunking, and spanning tree

Describe the reasons for extending the reach of a LAN and the methods that can be used, with a focus on RF wireless access

Describe the reasons for connecting networks and connecting multiple IP subnets with routers

Configure and verify a Cisco router for WAN connections with HDLC and PPP encapsulation, PAT, static routing, and describe the components that make up a VPN solution

Use the command-line interface to discover neighbors on the network and manage the router startup and configuration Describe routing concepts as they apply to a medium-sized network, discuss dynamic routing with distance vector and link-state routing protocols, and configure RIP

Configure, verify, and troubleshoot single-area OSPF

Configure, verify, and troubleshoot EIGRP

Determine how to apply ACLs based on network requirements, and to configure, verify, and troubleshoot ACLs

Describe when to use NAT and PAT on a medium-sized network, how to configure NAT and PAT, and explain IPv6 addressing and configuration on a Cisco router

Configure, verify, and troubleshoot Frame Relay

CCNA®, CCENT (ICND1, ICND2) Boot Camp Course Benefits

Corporations- Corporations seeking staff certification will maintain higher levels of productivity. A certified, knowledgeable staff is a highly productive staff. Students seeking Cisco CCNA and CCENT certification are certified directly by Cisco Systems. NetCom's experienced teaching staff has a comprehensive knowledge pertaining to specific IT fields; therefore students would be learning from the industry's most honored professionals. Other advantages of certified staff technicians include: corporate growth, improved process through improving technology, high customer service satisfaction, higher opportunity which leads to higher revenue.

Individuals- CCNA and CCENT certifications are highly honored amongst their professional field. In today's current employment market, corporate managers are seeking the best skilled and qualified individuals to join their staff. According to a 2006 IDC study "75% of HR Managers believe that certification is required." According to a 2006 Microsoft/IDC study "43% of all Certified IT Professionals get a higher paycheck following the first year following their certification."

Today's IT technician needs a competitive edge in order to retain a desired career position, and NetCom is dedicated to teaching the essential skills needed for certification! The key to certification is an excellent teaching program, and NetCom offers the industry's foremost instructors, lesson plans and effective methods in order to ensure the fastest and most thorough road to certification!

2013 CA-NV AMERICAN WATER WORKS ASSOCIATION
SPRING CONFERENCE "SUSTAINABILITY IN A TIME OF CHANGE"

March 25 - 28, 2013

Las Vegas, Nevada

NAME: _____

ADVANCE REGISTRATION DEADLINE: _____ FEBRUARY 11, 2013

MEALS: ☐ YES SPOUSE: ☐ YES SPOUSES' TOUR: ☐ YES
 ☐ NO ☐ NO ☐ NO

DEPARTMENTAL TRAVEL BUDGET:

REGISTRATION: _____ TRAVEL: _____

TOTAL REMAINING BALANCE: _____

PROPOSED EXPENSES: Registration: _____
 Transportation: _____
 Meals:* _____
 Miscellaneous: _____
 TOTAL: _____

*DIRECTORS: Expenses are outlined in Section 4.06.1 of the District's Rules and Regulations.

*FOR STAFF: Meal limitations are outlined on pages 30 and 31 of the District's Employee Manual.
Please review these limitations.

HOTEL ACCOMMODATIONS: ☐ YES ☐ NO REGISTRATION DEADLINE: _____
ARRIVAL DATE/TIME: _____ DEPARTURE DATE/TIME: _____

TYPE OF ACCOMMODATIONS: _____ SINGLE (1 PERSON)
 _____ DOUBLE (2 PEOPLE)
 _____ (2 PEOPLE/2 BEDS)

AIRLINE RESERVATIONS: ☐ YES ☐ NO

DEPART FROM _____ on _____ at _____ AM/PM
 (airport) (date) (time)

RETURN FROM _____ on _____ at _____ AM/PM
 (airport) (date) (time)

SUPERVISOR APPROVAL: _____ DATE: _____

SUSTAINABILITY IN A TIME OF CHANGE

March 25 - 28, 2013
Tropicana Resort
Las Vegas, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

ATTENDEE REGISTRATION

OCCUPATION CODES (please check one): ☐ WTR Water Utility ☐ CTR Contractor ☐ CNS Consultant ☐ MFG Manufacturer ☐ REF Manufacturer's Representative

☐ STU Student ☐ OPR Water Operator ☐ DIS Distributor ☐ EDU Educator ☐ RES Research Laboratory ☐ FED Federal Government ☐ STA State Government

☐ I am a speaker at this conference. Date _____ Time _____

Name (how you would like it to appear on your badge) _____

Title _____ Company _____

Address _____ City _____ State _____ Zip _____

Phone _____ Cell _____ Fax _____

Attendee Email _____ AWWA Member # _____

Type of Membership (check one) ☐ Individual ☐ Organization ☐ Operator/Admin. ☐ Utility ☐ I am a CWEA Member (same rate as CA-NV AWWA Member)

Complimentary Spouse/Guest (if attending) *Household members only. Does not include Water Industry Personnel. _____

Member Registration Fees	EARLY On or Before 2/11/13	PRE On or Before 3/4/13	ONSITE On or After 3/5/13	Subtotals
<input type="checkbox"/> FULL REGISTRATION: Includes Volunteer Recognition Luncheon Competitions Lunch & Two Drink Tickets for Exhibitor Reception	\$445	\$495	\$545	\$ _____
<input type="checkbox"/> Tuesday One-Day: Includes Volunteer Recognition Lunch & Two Drink Tickets for Exhibitor Reception	\$225	\$275	\$315	\$ _____
<input type="checkbox"/> Wednesday One-Day: Includes Competitions Lunch & Exhibit Hall Entrance	\$225	\$275	\$315	\$ _____
<input type="checkbox"/> EDUCATION PACKAGE Wednesday/Thursday Includes Technical Sessions & Exhibit Hall Entrance	\$225 No Meals	\$275 No Meals	\$315 No Meals	\$ _____
<input type="checkbox"/> Thursday One-Day Includes Technical Sessions	\$149	\$149	\$149	\$ _____
<input type="checkbox"/> STUDENT - Must be full time Student/AWWA Student Member	FREE	FREE	FREE	\$ _____
<input type="checkbox"/> RETIREE REGISTRATION - Must be: 1) Retired from all gainful employment. 2) A member of AWWA for at least 15 years. 3) At least 60 years of age.	No Meals	No Meals	No Meals	\$ FREE

Lunches

If not included with registration fee

☐ Volunteer Luncheon \$50

☐ Competition Lunch \$50

Subtotal \$ _____

SPECIAL EVENTS

☐ Tues. Technical Tour \$40

☐ Wed. Technical Tour \$40

Subtotal \$ _____

Regular Registration Fees (Non-Member Rates)	EARLY On or Before 2/11/13	PRE On or Before 3/4/13	ONSITE On or After 3/5/13	Subtotals
<input type="checkbox"/> FULL REGISTRATION: Includes Volunteer Recognition Luncheon Competitions Lunch & Two Drink Tickets for Exhibitor Reception	\$495	\$545	\$595	\$ _____
<input type="checkbox"/> Tuesday One-Day: Includes Volunteer Recognition Lunch & Two Drink Tickets for Exhibitor Reception	\$275	\$325	\$375	\$ _____
<input type="checkbox"/> Wednesday One-Day: Includes Competitions Lunch & Exhibit Hall Entrance	\$275	\$325	\$375	\$ _____
<input type="checkbox"/> EDUCATION PACKAGE Wednesday/Thursday Includes Technical Sessions & Exhibit Hall Entrance	\$275 No Meals	\$325 No Meals	\$375 No Meals	\$ _____
<input type="checkbox"/> Thursday One-Day Includes Technical Sessions	\$149	\$149	\$149	\$ _____

CONTACT HOURS

☐ FREE
(I am an individual, operator or administrative AWWA member)

☐ \$20.00
(My utility/organization is an AWWA member or I am not an AWWA member)

PAYMENT METHOD

Check # _____ Payable to CA-NV AWWA (U.S. funds)

PO# _____ Must be accompanied by a physical copy of the PO

Credit Card: ☐ Visa ☐ MC ☐ AMEX

Card No.: _____

Exp. Date: _____

Name on Card: _____

Authorized Signature: _____

Billing Zip Code: _____
Must be Zip Code in which your credit card statement is mailed

For copy of receipt, please write email address: _____

PAYMENT INFORMATION

Registration Total: _____ Special Events Total: _____

Meal Total: _____ Contact Hours: _____

Total Amount Due: _____

Refund requests must be submitted in writing to the Section office by March 1, 2013. A \$50 administrative fee will be deducted from all refunds NO Refunds granted after March 1, 2013. By submitting this form, you are consenting to having your photo taken at the event which may be used for future Section promotions.

PAYMENT & MAILING ADDRESS
CA-NV AWWA: 10574 Acacia Street, Suite D6,
Rancho Cucamonga, CA 91730, Phone: (909) 481-7200
Fax: (909) 291-2107 www.ca-nv-awwa.org

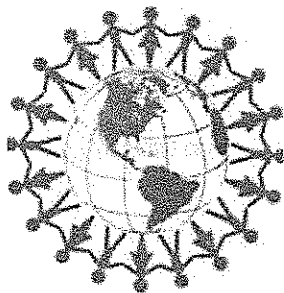
Conference Theme: Sustainability in a Time of Change

"Sustainability" – it's a word easily used, often confused, and even abused. But that doesn't make it any less important. A water utility strives and plans for sustainability by, among other things:

- Ensuring that its financial capacity is adequate to meet current and future needs;
- Anticipating the eventual replacement of assets and acquiring new ones as necessary;
- Creating and maintaining the trust of customers and other stakeholders; and
- Planning for changes in water demands and securing adequate supplies to meet future needs.

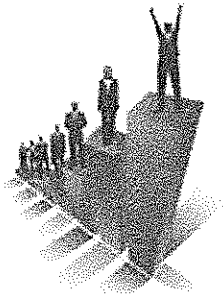
The 2013 Spring Conference at Tropicana Las Vegas tackles these and related questions that are a constant concern for water utilities, whatever their size and location. We will hear about the difficult choices for water resource planners in a changing Western U.S. climate; challenges utility employees face to keep ahead of new rules and technologies; how boards and managers are ensuring that financial requirements can be met; and much more.

Connecting With Your Community and Profession



The Spring Conference welcomes all members and professionals of the drinking water community, including Utility Management, Water Operators, Scientists, Regulators, Engineers and providers of water equipment products, and services. Connect with colleagues and other water professionals for high-value networking and candid peer-to-peer learning. Participation in the Spring Conference is an investment with excellent returns. The value is measured in the increased knowledge, expanded contacts and renewed motivation that each attendee carries away from the conference.

Invest in Yourself!



Participation in the Spring Conference is an investment with excellent returns. The value is measured in the increased knowledge, expanded contacts and renewed motivation that each attendee carries away from the conference. Maximum "Contact Hours" for this event are eighteen (18).

General Conference Program

Monday, March 25, 2013

7:00 a.m. Registration Opens
7:00 a.m. CA-NV Section Committee Meetings
7:15 a.m. Governing Board Meeting
9:00 a.m. CA-NV Section AWWA Certification Exams (Preregistration required)
6:30 p.m. Welcome Membership Reception

Tuesday, March 26, 2013

7:00 a.m. Registration Opens
7:30 a.m. Top Ops
9:00 a.m. Opening Session
10:30 a.m. Technical Sessions
12:30 p.m. Rock Star AWWAards Lunch
1:00 p.m. Exhibit Hall Grand Opening
1:30 p.m. Prize Drawing held in the Exhibit Hall
2:00 p.m. - 5:30 p.m. Technical Session Continued
6:00 p.m. Exhibit Hall Reception
TBD Young Professionals Mixer

Wednesday, March 27, 2013

7:00 a.m. Registration Opens
7:00 a.m. - 5:50 p.m. Technical Sessions
9:00 a.m. - 4:00 p.m. Exhibit Hall Open
10:00 a.m. - 3:00 p.m. Competitions (Hot Flares, Pipe Tapping, Meter Madness)
11:30 p.m. Competitions Lunch near Exhibit Hall
12:30 p.m. - 1:00 p.m. Prize Drawing held in the Exhibit Hall
TBD Water for People Fundraising Event

Thursday, March 28, 2013

7:00 a.m. Registration Opens
7:30 a.m. Governing Board Meeting
9:00 a.m. - 1:00 p.m. Technical Sessions

Conference Housing



Tropicana Resort

3801 Las Vegas Boulevard South

Las Vegas, NV 89109

For Reservations, visit <http://trop.lv/ACyEro>

Attendees can begin booking reservations by calling the toll free line at 800-634-4000. Please mention group code SAWW13.

Send Me to Conference for FREE

Take your best shot to win a chance at FREE Conference registration and a 4-night stay at the Tropicana Resort! To enter, visit [our Facebook page](#) on January 23, 2013 or view the [flyer](#). Spread the word and don't miss this exciting opportunity for free registration at the industry's leading conference. For more information contact Grace at 909-291-2109 or gcardenas@ca-nv-awwa.org.

ROCKSTAR AWWard Luncheon

Please join us for our 2nd Annual ROCKSTAR Volunteer AWWard Luncheon. The ROCKSTAR Volunteer Luncheon will take place on Tuesday, March 26 at 12:30 pm, during the 2013 Spring Conference in Las Vegas, NV. Volunteer members are the backbone of our Association and this award is about recognizing ALL of the small and big things our volunteer members work tirelessly on. It could be on committee workshops, technical programs or any other projects that bring value to our CA-NV Section members. The nominee for this AWWard should be someone that has ROCKED on a recent project or committee activity. Please answer the 3 questions below to nominate an industry ROCKSTAR. Join us in the celebration of teamwork, support and volunteerism! See you there! Click [here](#) to access the nomination form.

Please Note: This awards luncheon will not replace CA-NV Section awards that take place in the fall. Please be sure to submit your nominations as usual for the fall conference.



SUSTAINABILITY
IN A TIME OF CHANGE

2013
SPRING CONFERENCE

CALIFORNIA ASSOCIATION OF WATERWORKS
2013
SPRING CONFERENCE

TROPICANA LAS VEGAS
March 25 - 28, 2013
Las Vegas, NV

Send Me to CA-NV AWWA's Spring Conference

Take your best shot to win a chance at FREE registration to Spring Conference plus a 4 night stay at the Tropicana Resort!
(valued at over \$900.00)

Your Mission:

1. Design a creative sign that reads, "Send me to CA-NV AWWA's spring conference".
2. Take a picture with your sign! Don't forget to invite co-workers and colleagues to take a picture with you and your sign too.
3. Upload the picture to the Section's Facebook Fan Page facebook.com/CANVSectionAWWA
-or-
email it to Grace at gcardenas@ca-nv-awwa.org.
4. You can submit as many photos as you like before the contest ends on March 11, 2013.
5. You and everyone else can vote for your favorite entries, and from those we'll pick a lucky winner. The more creative you are, the more votes you'll receive!

Contest runs January 23-March 11, 2013. Get those signs ready!

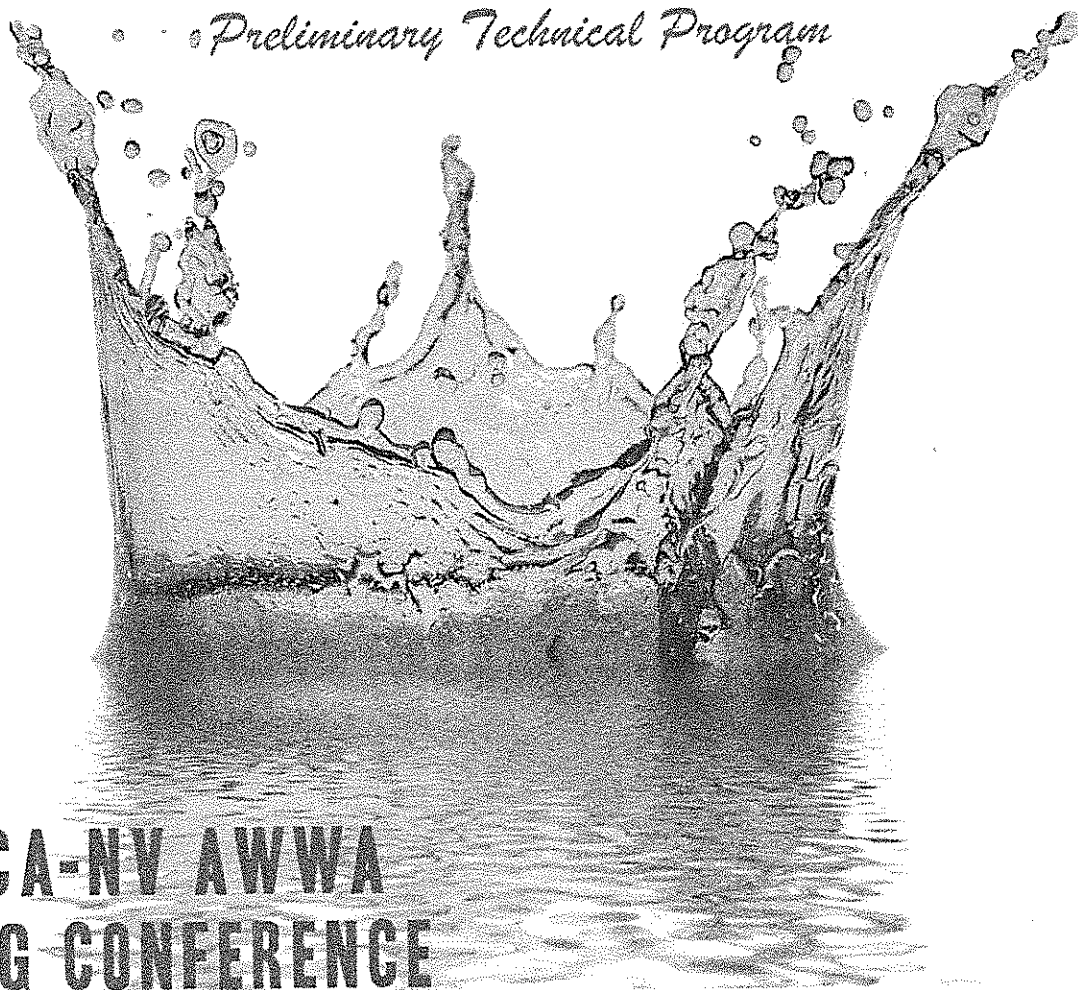
You will see all contest details on the Section's Facebook Fan Page starting on Jan. 23

For more information contact:
Grace Cardenas, CA-NV Section AWWA
909-291-2109
gcardenas@ca-nv-awwa.org



SUSTAINABILITY IN A TIME OF CHANGE

• • Preliminary Technical Program



2013 CA-NV AWWA SPRING CONFERENCE

Nearly 200 Technical Sessions
Over 100 Exhibits
Numerous Networking Opportunities & More!

CONFERENCE LOCATION:

TROPICANA RESORT

March 25 - 28, 2013

Las Vegas, NV

SAVE THE DATE



CALIFORNIA-NEVADA SECTION
American Water Works Association

www.ca-nv-awwa.org for conference details

Table of Contents

Session 1 – Operators/Distribution System
Water Quality

Session 2A – Joint Session: Environmental
Health & Safety / Operators

Session 2B – Environmental Health & Safety

Session 3 – Joint Session: Security and
Emergency Preparedness / Communications &
Customer Relations

Session 4 – Joint Session: Water
Treatment/Research

Session 5 – Water Management & Efficiency

Session 6 - Energy

Session 7 – Engineering & Construction

Session 8 – Tanks, Reservoirs & Structures
Maintenance

Session 9 – Safe Drinking Water Act

Session 10-A – Financial Mgmt.

Session 11 - Operators

Session 12 A – Environmental Health & Safety

Session 12B - Joint Session: Environmental
Health & Safety / Security & Emergency
Planning

Session 12C - Security and Emergency
Preparedness

Session 13A - Information Management

Session 13 - B - Joint Session: Asset
Management / System Control Technology /
Information Management

Session 14 - A - Recycled Water

Session 14 - B - Joint Session: Recycled
Water/Research/Water Treatment

Session 15 - A - Joint Session: Water
Management & Efficiency / Communication
and Customer Relations

Session 15 - B - Water Management &
Efficiency

Session 15 - C - Water Well Technology

Session 16 - Materials Performance

Session 17 - Backflow

Session 18 – Meters

Session 19 –Asset Management

Session 20 - Security and Emergency
Preparedness

Session 21 - Desalination

Session 22 – Source Water Quality

Session 23 – Pipeline Rehabilitation

Session 24 – Water Treatment

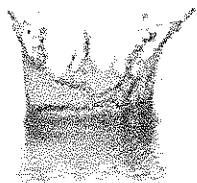
Session 25 – Management Development and
Leadership

Session 26 – Communications and Customer
Relations

COMMITTEE PRESENTING

SESSION # DATE

Asset Management	19	Thursday, March 28
Asset Management	13B	Wednesday, March 27
Joint Session: System Control Technology & Information Management		
Backflow	17	Wednesday, March 27
Communication and Customer Relations	15A	Wednesday, March 27
Joint Session: Water Management & Efficiency		
Communications & Customer Relations	26	Thursday, March 28
Communications & Customer Relations	3	Tuesday, March 26
Joint Session: Security and Emergency Preparedness		
Desalination	21	Thursday, March 28
Distribution Source Water Quality	1	Tuesday, March 26
Joint Session: Operators		
Energy	6	Tuesday, March 26
Engineering & Construction	7	Tuesday, March 26
Environmental Health & Safety	2B; 12A	Tuesday, March 26; Wednesday, March 27
Environmental Health & Safety	2A	Tuesday, March 26
Joint Session: Operators		
Environmental Health & Safety	12B	Wednesday, March 27
Joint Session: Security & Emergency Planning		
Financial Management	10	Wednesday, March 27
Information Management Committee	13A	Wednesday, March 27
Information Management	13B	Wednesday, March 27
Joint Session: System Control Technology & Asset Management		
Management, Development & Leadership	25	Thursday, March 28
Materials Performance	16	Wednesday, March 27
Meters	18	Wednesday, March 27
Operators	11	Wednesday, March 27
Operators	1	Tuesday, March 26
Joint Session: Distribution Source Water Quality		
Operators	2A	Tuesday, March 26
Joint Session: Environmental Health & Safety		
Pipeline Rehabilitation	23	Thursday, March 28
Recycled Water	14A	Wednesday, March 27
Recycled Water	14B	Wednesday, March 27
Joint Session: Research & Water Treatment		
Research	14B	Wednesday, March 27
Joint Session: Recycled Water & Water Treatment		
Research	4	Tuesday, March 26
Joint Session: Water Treatment		
Safe Drinking Water Act	9	Tuesday, March 26
Security & Emergency Planning	12B	Wednesday, March 27
Joint Session: Environmental Health & Safety		
Security and Emergency Preparedness	12C; 20	Wednesday, March 27 & Thursday, March 28
Security and Emergency Preparedness	3	Tuesday, March 26
Joint Session: Communications & Customer Relations		
Source Water Quality	22	Thursday, March 28
System Control Technology	13B	Wednesday, March 27
Joint Session: Asset Management & Information Management		
Tanks, Reservoirs & Structures Maintenance	8	Tuesday, March 26
Water Management & Efficiency	5	Tuesday, March 26
Water Management & Efficiency	15B	Wednesday, March 27
Water Management & Efficiency	15A	Wednesday, March 27
Joint Session: Communication and Customer Relations		
Water Treatment	24	Thursday, March 28
Water Treatment	14B	Wednesday, March 27
Joint Session: Recycled Water & Research		
Water Treatment	4	Tuesday, March 26
Joint Session: Research		
Water Well Technology	15C	Wednesday, March 27



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

Session 1 – Operators/Distribution System Water Quality

2:00 PM – 2:30 PM

Lead and Copper Rule Sampling Made Easy

David Heumann, Los Angeles Department of
Water & Power

Learn the techniques for facilitating Lead and
Copper Rule Residence sampling, sampler
recruitment and retention, and increasing
customer identification with their role in LCR
monitoring.

2:30 PM – 3:00 PM

So You Want To Buy A Mixer/Aerator For TTHM Reduction?

Terry McKinney and Patrick LaBruzzo,
City of Santa Cruz

Learn about up-to-date research and
purchasing issues on mixer/aerator systems and
how to potential build your own in-house
aerator.

3:00 PM – 3:30 PM

Trihalomethane Stage 2 Compliance

H. Kenneth Hudnell,
Medora Corp. & UNC - Chapel Hill

Learn about up-to-date research and
purchasing issues on mixer/aerator systems and
how to potential build your own in-house
aerator.

3:30 PM – 4:00 PM

Chloramination and Nitrification:

Measurement Strategies for Process Control

Grady Moore, HACH

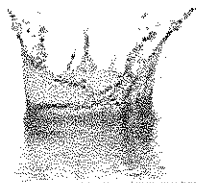
Learn the basics of chloramine chemistry as well
as the consequences of failure to properly
control the process, including nitrification.
Process control strategies and test methods will
discussed.

4:00 PM – 5:00 PM

Ice Pigging

Kevin Barnes, Utility Services Company, Inc.

Learn the implications of cleaning the
distribution lines in their water systems to
impact the water quality.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 2A – Joint Session:

Environmental Health & Safety / Operators

10:30 AM - 12:00 PM

Dealing with Naturally Occurring Asbestos, Transite Pipe & Other Contaminants

Michael Sharp, Hazard Management Services,
Inc.

Learn the training and knowledge required to conduct safe work practices while working with transite pipe. We will provide information on the importance of training your employees of safe work practices and handling of contaminated soil, asbestos pipe, an other hazardous situations.

2:00 PM - 2:30 PM

Understanding Employee Exposure to Asbestos Containing Materials in the Potable Water Industry

Steve Ross, City of North Las Vegas

Learn of the current safe work practices and handling of A/C materials in the potable water industry. This session will endeavor to describe the efforts conducted at the Las Vegas Valley Water District (Las Vegas Valley Water District) to improve established programs to deal with regulatory compliance and personnel concerns associated with A/C materials.

2:30 PM - 3:00 PM

Lock Out Tag Out for the Water Distribution System: An Los Angeles Department of Water & Power approach

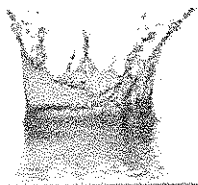
Tonya Howard-Taylor, Los Angeles Department
of Water & Power

Participants in this session will learn about the regulations for controlling energy releases, what components are needed for an effective LOTO program in water distribution, and how Los Angeles Department of Water & Power has developed and implemented this program.

3:00 PM - 3:30 PM

Tragic Accidents in the Water Utility Field Keith Saddler, Los Angeles Department of Water & Power

Learn what tragic accidents happen in the water utility field and why we need to have a robust safety program, which can improve the attitudes towards safety and preventing injuries and deaths.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

Session 2B – Environmental Health & Safety

3:30 PM - 4:00 PM

Navigating the Waters of Air Compliance in California

Greg Buncab, Alameda County Water District

Learn about California air regulations as they apply to water utilities.

4:00 PM - 4:30:00 PM

Walking the Green Walk

Evan Jacobs, California American Water

Learn how California American Water established a statewide "Green Team" to incorporate sustainable practices into our every day operations.

4:30 PM - 5:00 PM

Leveraging Technology to Improve Operational Efficiency

Jon D. Handy, Target Solutions

Learn how to reduce administration and overhead costs through the use of new web based technologies while improving compliance with regulations, particularly in the areas of training and certifications.

5:00 PM - 5:30 PM

Why? Pollution Prevention, EMS, and Cost Savings?

Carolyn Johnson, Las Vegas Valley Water District and Annalisa Helm, Las Vegas Valley Water District

Learn how to save money, reduce operating costs, ensure environmental compliance by minimizing environmental impacts of daily operations and implementing innovative sustainable measures – real examples revealed!

Session 3 – Joint Session: Security and Emergency Preparedness / Communications & Customer Relations

2:00 PM – 5:30 PM

CalWarn/NV-WARN/AZWARN Joint Exercise Risk Communication

Ray Riordan, CalWARN

Learn how to be effective collaborators with other agencies producing public messages and how to produce public action to a single cause of safety.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

Session 4 – Joint Session: Water Treatment/Research

2:00 PM - 2:30 PM

Release of Cyanobacterial Metabolites Due to Preoxidation Processes

Eric Wert, Southern Nevada Water Authority

Learn about the risk of releasing cell bound cyanobacterial metabolites (microcystin-LR, MIB, and geosmin) due to common preoxidation processes.

2:30 PM - 3:00 PM

Dual-Media Deep-Bed Filter Pilot Study for Penitencia Water Treatment Plant

Ryan Klemencic & Lei Hong, Santa Clara Valley Water District

Learn effective techniques in conducting a pilot study with dual-media filters, and experience and challenges in process optimization and selection of desired filter media configurations.

3:00 PM - 3:30 PM

Removal of 1,2,3-TCP with PAC

Zaid K. Chowdhury & Jacqueline Shaw, ARCADIS USA, Inc.

Learn about the upcoming cVOC rule and its implications for both groundwater utilities and surface water utilities. Utilities that occasionally augment their surface water supply with banked groundwater have the potential for cVOC contamination, including 1,2,3-TCP. This talk will present 1,2,3-TCP removal data

through conventional surface water treatment practices, such as PAC and flocculation / sedimentation.

3:30 PM - 4:00 PM

Evaluation of Low Pressure Membrane Retrofit to Expand a Water Treatment Plant

Joseph Wong, Brown and Caldwell

Learn how membranes can be retrofitted into existing filter basins to expand the filtration capacity several fold in an existing conventional water treatment plant.

4:00 PM - 4:30 PM

Los Angeles Department of Water and Power Filtration Plant and Reservoir UV Projects Update

Ben Kuhnel, Malcolm Pirnie, Inc.

Learn about the progress of design and construction of the largest UV facilities in California and the creative approaches used to deliver these projects on schedule.

4:30 PM - 5:00 PM

Removal of perfluoroalkyl compounds from water using anion exchange resins

Nastaran Afnani, Southern Nevada Water Authority and University of Nevada, Las Vegas

Learn about the process of removing perfluoroalkyl compounds from water using anion exchange resins.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

***Session 4 – Joint Session: Water
Treatment/Research (CONTINUED)***

5:00 PM - 5:30 PM

**Year-around Bottom Water Withdrawal and
Treatment for Minimizing the Impact of Anoxia
and Algae Blooms**

Keisuke Ikehata, Pacific Advanced Civil
Engineering, Inc.

Learn the power of comprehensive water
quality monitoring combined with computer
modeling in effective water quality
management in the source water reservoirs.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 5 – Water Management & Efficiency

10:30 AM - 12:00 PM

Graywater Irrigation for a Lifetime of Customer Water Savings

LeAnne Ravinale, Scotts Valley Water District

Learn the key role these measures play in outdoor water conservation programs; potential customer water savings and return on investment and rebate programs and costs to utilities; permitting and California code requirements to protect public health and water quality; and professional installer training programs.

2:00 PM - 2:30 PM

A Strategy for Ensuring a Sustainable Water Supply

Tracy Hemmeter, Santa Clara Valley Water District

Learn strategies for addressing different challenges and threats to long-term water supply reliability, how stakeholder input on those strategies was considered, and one agency's approach to ensuring a sustainable water supply.

2:30 PM - 3:00 PM

Including Climate Drivers in Your Planning Will Increase Sustainability, Save You Big Bucks, and is Easy To Do

Karen Raucher, Stratus Consulting

Learn how to identify the most likely changes in temperatures and precipitation, the impacts

and implications of these changes, and how addressing these changes today - where in most cases small incremental increases in spending are all that are needed - will provide significant cost savings in the future.

3:00 PM - 3:30 PM

IBM Smart Water Pilot Study for Reduction of Non-Revenue Water in San Diego, CA

Sean Sudol, Richard Brady & Associates

Participants in the session will learn about the application of IBM Smart Water technology for reduction of Non-Revenue Water in the City of San Diego.

3:30 PM - 5:00 PM

Looking to the Future – Improving the Reliability of Water Supply in California

Juliet Christian-Smith, Senior Research Associate, Pacific Institute; Cindy Paulson, Executive Director, CUWA; Grace Chan, Manager, Resource Planning & Development Section, MWD

Learn of future challenges to water supply, from climate change to funding, and urban water agency actions to respond. The panel will assess plans to improve future water supply reliability and will address the question of whether we are doing enough to meet future demands.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 • LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

Session 6 - Energy

10:30 AM - 12:00 PM

Sustainability Through Energy Use Reduction and Efficiency

Neil M. Worthen, CEA, Rural Community
Assistance Corporation

Learn how to identify the biggest "energy wasters" in their facilities, how to calculate the break-even point (payback) of retrofitting obsolete equipment, how to conduct their own Level 1 (in-house) energy audit, and how to select and hire a certified industrial energy auditor for a Level 2 audit.

2:00 PM - 2:30 PM

An Approach to Integrating a Hydraulic Model into Daily Pumping Operations

Brian K. Bowler, P.E, Las Vegas Valley Water
District

Learn how the Las Vegas Valley Water District utilizes a well calibrated hydraulic model of its distribution system to prepare 24-hour pumping schedules to be implemented by an EWQMS.

2:30 PM - 3:30 PM

Is There an Oversight in UV Reliability?

Grant Van Hemert, Schneider Electric

Learn about how critical power is in UV reliability. The participants will gain an understanding of what is required, and how this can be applied to actual facilities.

3:30 PM - 4:00 PM

Case Studies: Utilities Managing the Water Energy Nexus

Gary Wong, OSIssoft, LLC

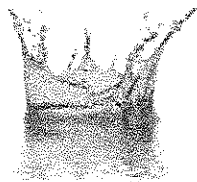
Learn how water utilities are using real-time operations data to sustainably manage energy and water. Their successes are repeatable, scalable, and provide a great return on investment. This is an excellent opportunity to leverage and collaborate with their peers.

4:00 PM - 4:30 PM

Cucamonga Valley Water District Automated Demand Response

Michael R. Maestas, Cucamonga Valley Water
District

Learn of Automated Demand Response including its challenges and benefits including: working with outside agency timelines, discovering the ability to fund SCADA projects with new resources, creating relationships with outside agencies, and technical knowledge of the scope of project.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

Session 7 – Engineering & Construction

10:30 AM - 11:00 AM

Construction Bidding 101

Bob Zaiser, Filanc Construction Co.

Learn how construction cost estimating is approached by the contractor and improve construction cost estimating by the agency and design engineers.

11:00 AM - 11:30 AM

Implementing Design/Build for Wastewater Projects

Iraj Asgharzadeh, City of San Diego and Omar Rodea, J.R. Filanc Construction Company

Learn the difference between the tradition DB and DBB and other alternative delivery method. Also they will learn the benefits of DBB and when DBB is not applicable to a water infrastructure project.

11:30 AM - 12:00 PM

Construction Management 101

Jeff Inferrera, ICM Group

Learn how to apply construction management principles to produce a better project and project experience working relationship.

2:00 PM - 2:30 PM

Learn How to Improve on Construction Specifications from the Suppliers Perspective

Jeff Everett, H&D Supply Waterworks

Learn of the impacts of specification writing on the cost and completion of projects and how to

apply principles that will improve construction project execution.

2:30 PM - 3:00 PM

Challenges and Lessons Learned Using HDPE Piping Systems

Tim Karlstrand, Carollo Engineers

Learn the difference between the tradition DB and DBB and other alternative delivery method. Also they will learn the benefits of DBB and when DBB is not applicable to a water infrastructure project.

3:00 PM - 3:00 PM

Case Study: Design and Construction

Challenges - Replacing a 1920's-vintage 26-inch riveted steel pipeline with a 24-inch PVC pipeline

Scott Hamren, Helix Water District

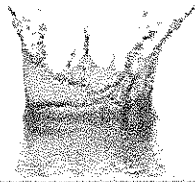
Learn special considerations required for installing 24-inch pipe in busy streets while avoiding utility conflicts. Discussion of jacking and boring a 36-inch casing via contract change order.

3:30 PM - 4:00 PM

Case Study: Replacing a 1956 critical 40-inch Aerial Pipeline Crossing Before Failure Occured

Tim Williams, Kennedy/Jenks Consultants and Tony Barela, San Juan Water District

Learn how to plan for a challenging project, how to respond to surprises that were encountered during construction, and how to adapt the project to address these challenges, and still complete the project on-time without violating environmental permitting requirements.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION

American Water Works Association

Preliminary Technical Program

Session 7 – Engineering & Construction (Continued)

4:00 PM - 4:30 PM

Case Studies: Challenges of a Constructing Multiple Pipe Materials from a Contractor's Perspective

Bill Williams, Mountain Cascades

Learn the benefits of engaging a heavy civil pipeline contractor in the pipeline design process, and complement the owner and designer on the project. The benefits will be a more concise and improved design over the entire life of the pipeline asset, improve the spatial and operational issues early on, increase competitive bidding, minimize contractors risk, and typically lower bids and reduces the change orders.

4:30 PM - 5:00 PM

Water Service Line Materials – Central Valley Case Studies

Bo Boetteicher, Underground Solutions, Inc.

Learn about implementing a water service water line replacement program and how to plan for and overcome the challenge to minimize impacts to each customer.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

Session 8 – Tanks, Reservoirs & Structures Maintenance

2:00 PM – 2:30 PM

Seismic Retrofit of a Water Storage Tank: Foundation Replacement

Stephen W. Meier, P.E., S.E., Tank Industry
Consultants

Learn a viable alternative to decommissioning
seismically deficient water storage tanks.

2:30 PM - 3:00 PM

Latest Advances for Cathodic Protection of Above Ground Storage Tank Bottoms

Jack Ripley, Corpro Companies, Inc.

Learn how cathodic protection is an economical
method for controlling corrosion on the
bottoms of ASTs.

3:00 PM - 3:30 PM

Rehabilitation of Municipal Wells in Palo Alto, CA

Craig Smith, URS Corporation

Learn how to execute a rehabilitation project of
municipal water wells.

3:00 PM - 4:00 PM

Wire-wrapped Tanks: A 70 Year History of Sustainability

Daniel J. McCarthy, Preload, Inc.

Learn the evolution of key design and detailing
practices; durability and performance; and
evolution of professional industry standards.

4:00 PM - 4:30 PM

What is "Expected Coating Life" for a Water Tank?

Michael Doolittle, Tank Industry Consultants

Learn how to achieve the maximum service life
for the coatings on water storage tanks and
other steel plate structures.

4:30 PM - 5:00 PM

Improving Chloramine Disinfectant Levels in the Distribution System: Combined Results from Mixing and Residual Boosting in Tanks

Peter S. Fiske, PAX Water Technologies, Inc.

Learn how to reliably boost disinfectant residual
levels in water storage tanks, and how
automated residual control systems can be
used to improve the stability and consistency of
residual disinfectant in tanks and in the
surrounding distribution system.

5:00 PM - 5:30 PM

Trihalomethane Removal System – Tank O&M

Mike Bartkus, Utility Service Company, Inc.

Learn how to effectively remove and reduce
TTHM levels within the distribution systems
within an energy efficiency application. They
will see how the tank condition can impact the
water quality.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 • LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Tuesday, March 26, 2013

Session 9 – Safe Drinking Water Act

2:00 PM - 2:30 PM

Federal Drinking Water Regulatory Update

Bruce Macler, USEPA

Learn about the USEPA's most recent Safe Drinking Water Act regulatory issues

2:30 PM - 3:00 PM

State of Nevada Drinking Water Regulatory Update

Jennifer Carr, NDEP

Learn about the State of Nevada's most recent Safe Drinking Water Act regulatory issues.

3:00 PM – 3:30 PM

Permitting Consecutive Connection Water Systems and Secondary Chlorination

James Weingart, NDEP

Learn about water quality challenges associated with large water users', such as casinos', water distribution systems and on-going regulatory efforts for these types of systems.

3:30 PM - 4:00 PM

Electronic Delivery of Consumer Confidence Reports - AWWA Surveys and EPA Rule Review

Adam Carpenter, AWWA

Learn about AWWA's consumer and utility consumer confidence report electronic delivery surveys, as well as EPA's review and the implications of EPA's recent actions on the federal CCR Rule.

4:30 PM - 5:00 PM

What you need to know about UCMR3

Monica Van Natta, UL LLC

Learn how to comply with the new UCMR regulation including required testing, sampling and reporting.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 10 Financial Mgmt.

9:00 AM - 9:30 AM

Golf Course Water Use Under Water Budgets

Mitchell Morgan, Southern Nevada Water Authority

Learn about steps the water purveyors are taking to encourage water conservation in the golf industry amidst a lengthy drought on the Colorado river and how golf courses in the Las Vegas valley area responded to these efforts.

9:30 AM - 10:30 AM

Achieving Revenue Stability While Allowing for Essential Water Usage

Sanjay Gaur, Raftelis Financial Consultants

Learn of options water agencies have in order to achieve revenue stability, while balancing other objectives such as promoting conservation, affordability, equity and ease of implementation.

10:30 AM - 11:30 AM

Considering Water Budget Rates? One City's Approach

Kyrsten Burr-Rosenthal, City of San Diego

Learn the challenges of evaluating an alternative water billing methodology.

1:30 PM - 2:30 PM

GASB 68 - Accounting and Financial Reporting for Pensions

Kevin Starkey, CPA & Richard Green, CPA,
Macias Gini & O'Connell LLP

Learn about GASB 68 and a broad understanding of the requirements, the timing for implementation, and how it will impact the financial statements.

2:30 PM - 3:00 PM

Pension Fund Reform - How Other States are Coping

Brian King, Mesirow Financial

Learn the range of options is related to addressing ongoing pension problems.

3:00 PM - 3:30 PM

BREAK

3:30 PM - 4:00 PM

Don't Get Behind! Keep on Top of Your Revenue Needs

Theresa Jurotich, P.E., CDM Smith

Learn why it's important to regularly adjust rates.

4:00 PM - 4:30 PM

Carlsbad Desalination Project Public-Private Partnership

Dana Frieauf, San Diego County Water Authority

Participants in this session will learn about the public/partnership agreement between the San Diego County Water Authority and Poseidon Resources for development of the Carlsbad Desalination Project, with a focus on the purchase price, general allocation of risks, and financing.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 11 - Operators

9:00 AM - 10:00 AM

Best Practices for Replacing Existing or Instating New Water Services Using the Trenchless Methods

Ty Green, TT Technologies, Inc.

Learn how to safely, properly, and efficiently use the trenchless methods and tools of "Split and Pull" for water service replacement and rehabilitation and pneumatic boring tools for new service installations.

10:00 AM - 11:00 AM

Corrosion Control and Cathodic Protection for Water Pipelines and Treatment Plants

Saibal "Sam" Mitra, CORRPRO

Learn the causes of corrosion, how to mitigate corrosion, and how to maintain corrosion control systems in the distribution system and at treatment plants.

11:00 AM - 11:30 AM

Better Distribution System Management With Remote PRV Station Monitoring

Roger Lah, Cla-Val

Learn that there are relatively new means available to get vital information from most valve stations and how that can significantly improve their system performance in terms of water quality, pressure management, and system life. And that some water districts have successfully instituted changes to better manage their system based on the new PRV station information.

1:30 PM - 2:00 PM

Operating Your Career – An Operator's Perspective of the Water Industry

Clemens Heldmaier, Montara Water & Sanitary District

Find out the many rewarding challenges and career opportunities the Water Operations field has to offer. Utilize your hands-on field work experience and education to become a well rounded operator and future manager.

2:00 PM - 2:30 PM

Main Break Emergency Response - Procedures and Lessons Learned

Jeff Page, Montara Water and Sanitary District

Learn how running a crew during a water main break emergency response requires a cool head and quick action. This presentation details the procedures and lessons learned by a Superintendent of Operations of a small water utility over his 20 plus years of experience.

2:30 PM - 3:00 PM

Sampling After a Main Repair

Scott Rovanner, City of Benicia

Learn about the California Code of Regulations/Safe Drinking Water Act Title 22 requirements of sampling for bacteriological contamination after performing repairs on a water main.

3:00 PM - 3:30 PM

BREAK



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 11 – Operators (CONTINUED)

3:30 PM - 4:30 PM

Chemical Metering Pumps, Accessories and Feed System

Rich Hopkins, Hopkins Technical Products, Inc.

Learn that a chemical feed system is not just a tank and pump. Participants will also learn how the pump and ancillary equipment are to be installed correctly and simplified mathematical equations for chemical feed dosage.

4:30 PM - 5:00 PM

Oxidation and Disinfection Fundamentals

Craig Thompson, Kennedy/Jenks Consultants

Learn about the relative strength, advantages and disadvantages, and cost of oxidants, including ozone, chlorine, chlorine dioxide, chloramine, and potassium permanganate that are used to treat drinking water supplies.

5:00 PM - 5:30 PM

Coagulation Fundamentals and Optimization

Craig Thompson, Kennedy/Jenks Consultants

Learn about the relative strength, advantages and disadvantages, and cost of coagulants, including aluminum sulfate (alum), ferric chloride, poly-aluminum chloride, and ferric sulfate that are used to treat drinking water supplies.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 12 A – Environmental Health & Safety

9:00 AM - 10:30 AM

Excavation Regulatory Review

Don Evans, State of Nevada Safety Consultation
and Training Section

Learn about soil classifications, protective
devices, regulations pertaining to excavations
and overall safety related issues.

10:30 AM - 11:00 AM

Lake Mead Intake No. 3: An Update on Progress and Challenges

Erika Moonin, SNWA

Learn first-hand from the project manager the
issues, activities and challenges being faced and
resolved on the Lake Mead Intake No. 3 project.

11:00 AM - 11:30 AM

Reporting Potable Water Discharges in Nevada

Kirk Medina, City of North Las Vegas

Learn the importance of obtaining an Individual
Maintenance discharge permit for potable
water systems. It will identify how field
discharge reports are used to collect all of the
data needed for submitting discharge
monitoring reports.

Session 12B - Joint Session: Environmental Health & Safety / Security & Emergency Planning

1:30 PM - 2:00 PM

Assessing Risk of River Contamination by Hazardous Material (HazMat) Released During

a Rail or Highway Accident

Shawn Stoddard, Truckee Meadows Water
Authority

Learn how a conditional probability model of
risk can be develop using sparse database of
events. This model can be adapted to model a
range of risks of interest to water utilities.

2:00 PM - 3:00 PM

Are Your People And Systems Protected?

Grant Van Hemert, Schneider Electric

Learn four different types of threats that face
each facility, and ways to address them. These
threats include, Intruder, Natural, Cyber, and
Electrical hazard.

3:00 PM - 3:30 PM

BREAK

Session 12C - Security and Emergency Preparedness

3:30 PM - 4:30 PM

Earthquake Risk Analysis Methodology Using AWWA J100

Donald Ballantyne

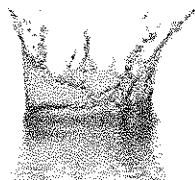
Learn how to apply AWWA J100 to analyze a
water system for seismic risk.

4:30 PM - 5:30 PM

Latest Disaster

Learn from "battle-tried" emergency managers
about the lessons learned and best practices
from recent emergency incidents.

Wednesday, March 27, 2013



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 13A - Information Management

9:30 AM - 10:00 AM

Optimizing Your Customer Information System

Kelly Virtue, Westin

Learn the benefits of using an effective Customer Information System (CIS) for improved utility business performance.

Session 13 - B - Joint Session: Asset Management / System Control Technology / Information Management

10:00 AM - 11:30 AM

Asset Management & CMMS

Kurtis Warne, SEMS Technologies

Learn a better way of managing current day-to-day operations, while learning best practices that will save time and help fund additional projects through proper maintenance practices, better tracking/history, and budget planning.

1:30 PM - 2:30 PM

SCADA Forensics

Kevin Trott, IDModeling, Inc

Learn how to use SCADA forensics to determine system operation. This effort is considered a best practice for macro-calibration of EPS operational models.

2:30 PM - 3:00 PM

Explore SCADA Data Using GIS

Ali Diba, Spatial Wave

Learn how to connect their SCADA data to their GIS system to support the hydraulic modeling

activities and to gain a better understanding of their distribution system operations.

3:30 PM - 4:00 PM

GIS in the Water Industry

Matthew Brown, SDCWA

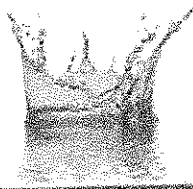
Learn how GIS and related technologies were used at the San Diego County Water Authority.

4:00 PM - 4:30 PM

GIS – A Comprehensive System to Sustain Asset Life

Suzanne Timani, ESRI

Learn of available technologies that have a comprehensive system to create, manage and maintain information about their assets and be able to use the analytical tools to make better decisions.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 13 - B - Joint Session: Asset Management / System Control Technology / Information Management (CONTINUED)

4:30 PM - 5:00 PM

GIS Field Deployment – Contra Costa Water District's Experience With a Full Scale Field Deployment Pilot Test Project

Dave Huey , Contra Costa Water District

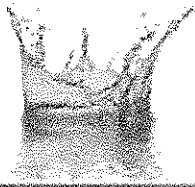
How we built a full scale test project that included a broad cross section of field personnel to test field deployment of our GIS on multiple platforms and devices including secure network hot spots on field vehicles.

5:00 PM - 5:30 PM

Using GIS for Predictive Modeling/Analytics and Financial Planning

Heather Schuchard, Mueller Service Company

Learn the importance of GIS as a decision making tool for maintenance, remediation and capital investment planning based on 'real world' examples.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

10:30 AM - 11:00 AM

Session 14 - A - Recycled Water

9:00 AM - 9:30 AM

IPR Trumps Landscape Irrigation

Steve Friedman, HDR

Learn that Indirect Potable Reuse can be a key component of any water resource portfolio at an affordable cost.

9:30 AM - 10:00 AM

Applying Risk Reduction Principles to Direct Potable Reuse

Erin D. Mackey, Carollo Engineers

Learn about what engineering practices could be incorporated into the design and control of advanced treatment systems for direct reuse and what some of the inherent trade-offs (e.g., complexity, cost) and regulatory hurdles might be.

10:00 AM - 10:30 AM

Renewed Interest for an Indirect Reuse Groundwater Replenishment Project

Reymundo Trejo, Upper San Gabriel Valley MWD

Learn about past efforts to supplement water demands in San Gabriel Valley with recycled water, specifically information on project approach to meet regulatory goals and piloting efforts of an advanced treatment system.

A Successful Wastewater and Water Agency Partnership for Expanding Recycled Water Hossein Ashktorab, Santa Clara Valley Water District

Learn about a successful partnership that has and will lead to recycled water expansion.

11:00 AM - 11:30 AM

Disinfection Capability of Membranes as Tertiary Filters

Douglas Drury, Clark County, Water Reclamation District

Learn about the capabilities and applications of UF membranes.

1:30 PM - 2:00 PM

Embracing Alternate Water Sources as a Way to Augment SFPUC's Water Supply Diversification Goals

Paula Kehoe, San Francisco PUC

Learn how San Francisco is developing and implementing programs to allow and encourage on-site non-potable water systems. The presentation will explain the regulatory process step-by-step and provide guidance for others interested in implementing a local regulatory program.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION

American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 14 - B - Joint Session: Recycled Water/Research/Water Treatment

2:00 PM - 2:30 PM

Ozone Use in Recycled Water

Keel Robinson, WEDECO

Learn that ozone is a powerful solution for providing high quality reclaimed water, and that ozone addresses many of the concerns with reuse applications including being a strong disinfectant, removing micropollutants, and improving the aesthetic qualities of water.

2:30 PM - 3:00 PM

Alternative Frameworks for Estimating Ozone Disinfection Efficacy in Water Reuse Applications

Sujanie Gamage, SNWA

Learn disinfection strategies and monitoring tools in Water Reuse; Ct approach and alternative frameworks to monitor disinfection; efficacy using ozone; UV and fluorescence monitoring.

3:30 PM - 4:00 PM

The Synergy of an Ozone + UV System

Andrew Salveson, Carollo Engineers

Learn about the pathogen and pollutant barriers from a combined ozone and UV system and understand the economic value of this combined approach

4:00 PM - 4:30 PM

Formation of Nitrosamines During Ozonation in Potable Water Reuse Applications

Erica Marti, UNLV

Learn about the formation of nitrosamines due to ozonation of wastewater, which is a barrier for using ozone in potable water reuse applications. Attendees will be informed on specific precursors and several factors that influence the formation of N-nitrosodimethylamine.

4:30 PM - 5:00 PM

Applicability of Ozone and Biological Activated Carbon for Potable Reuse

Daniel Gerrity, UNLV

Learn the applicability of alternative treatment trains for potable reuse applications in the context of recently developed public health criteria.

5:00 PM - 5:30 PM

Ozonation of a Non-Nitrified Secondary Effluent before Water Reuse Treatment

Fredrick W. Gerringer, Trussell Technologies, Inc.

Learn about the benefits and challenges of ozonating a non-nitrified secondary effluent before MF and RO. Ozonation had impacts on many aspects of treatment, including EfOM characteristics, MF performance and backwash water quality, RO performance, NDMA formation, and emerging contaminant concentrations.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
Association of Water Works Engineers

Preliminary Technical Program

Wednesday, March 27, 2013

Session 15 - A - Joint Session: Water Management & Efficiency / Communication and Customer Relations

9:00 AM - 10:00 AM

**Knowledge is Power... and Efficiency: Results
from Irvine Ranch Water District's Pilot
Program with WaterSmart Software**
Nathan Adams (Irvine Ranch Water District) and
Peter Yolles (WaterSmart Software)

Learn how to use social norms to drive water
use efficiency while maintaining customer
satisfaction; how to tailor messaging to avoid
"drift back to average"; and which households
reduce and what actions they've taken.

10:00 AM - 10:30 AM

ECO PRO 20X2020: Promoting Water Conservation Gardening to Public Workers & Residents

Thomas Martin, Water Replenishment District
of Southern California

Learn what the Water Replenishment District of
Southern California offers in terms of training
for landscape water conservation for both
residents and municipal landscape maintenance
crews.

10:30 AM - 11:30 AM

The New Irvington Tunnel Groundwater Management Program – A Case Study of Public Collaboration

David Tsztoo, P.E., San Francisco Public Utilities
Commission

Learn about the methods the SFPUC used to
develop a replicable public outreach model and
innovations to mitigate the complex
groundwater environmental challenges that
would otherwise hinder successful completion
of the NIT Project.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Session 15 - B - Water Management & Efficiency

1:30 PM - 2:00 PM

Residential Outdoor Water Conservation Programs – Until Now, the Water Savings Have Been Generalized. The City of Roseville Does the Math

Melanie Holton, Brown & Caldwell and Lisa
Brown, City of Roseville

Learn how water savings from outdoor
conservation programs varies with respect to
program specifics such as incentive amount,
landscape area, and marketing strategies.

2:00 PM - 2:30 PM

Field Study of Uniformity Improvements from Multi-Stream Rotational Spray Heads and Associated Products

Michael Drinkwine, Southern Nevada Water
Authority

Learn the real world increase in DU
improvements achieved by retrofitting
traditional sprinkler irrigation systems with
newer technology nozzles, and some of the
issues that occur.

2:30 PM - 3:00 PM

Sustain San Marcos: A Presentation Abstract on Vallecitos Water District's Garden Makeover and Rain Barrel Workshop to Encourage a Reliable Future

Torrey Webb, Vallecitos Water District

Learn measures taken to control costs,
streamline construction, critical reception and
the overall effect on promoting sustainability at
our District.

3:00 PM - 3:30 PM

BREAK



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 • LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION

American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 15 - C - Water Well Technology

3:30 PM - 4:00 PM

Well Project Contributes to Reliable Ground Water Supplies for Antelope Valley - East Kern Water District

David Ferguson, Kennedy-Jenks

Learn of Antelope Valley-East Kern Water Agency (AVEK) Water Bank and how they have leveraged a water supply project into a regulatory compliance tool for meeting the Stage 2 D/DBP Rule for THM compliance - allowing AVEK to remain of free chlorine and avoid the switch to chloramines.

4:00 PM - 4:30 PM

Optimizing Well Efficiency Through Improved Design and Construction Techniques

Kevin McGillicuddy, Roscoe Moss Co.

Learn the critical components of the well design process including formation sampling, gravel pack selection, slot size selection, and well development. Learn how these processes can maximize well production potential with minimal losses and improve cost efficiency.

4:30 PM - 5:30 PM

The Role of Radial Collector Wells in Sustaining Ground Water Production

Henry Hunt, Layne-Ranney

Learn about radial well installation and development technology. Several west coast well situations will be presented.

5:00 PM - 5:30 PM

Well Maintenance and Rehabilitation Techniques – Las Vegas Valley Water District's Experience with Maximizing Well Life and Production

Erin Cole, Las Vegas Valley Water District

Las Vegas Valley Water District employs a variety maintenance and rehab techniques based on the age, construction, and purpose of the well.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION

American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 16 - Materials Performance

9:00 AM - 9:30 AM

HDPE Fatigue and Surge Analysis and Design

Camille George Rubeiz, PE, PPI

Learn how to design HDPE pipe for working pressure, surge pressure and fatigue based on AWWA standards and manuals C901, C906, M55 and ASTM F714.

9:30 AM - 10:30 AM

A Review and Comparison of HDPE and Fusible PVC Pipelines

Todd Jorgenson, Riverside Public Utilities

Learn about HDPE and fusible PVC pipelines in depth and will provide a general guideline as to the applications, strengths and weaknesses of both materials.

10:30 AM - 11:30 AM

Methods of Pipe Repair

Scott Bennett, Romac Industries, Inc.

The attendee will learn the correct installation method and manufactures requirements for many pipe products such as repair clamps, couplings, tapping sleeves and service saddles to name a few. The correct tools needed for installation and pipe identification will be discussed as well as different products that may offer a more efficient repair

1:30 PM - 2:00 PM

Performance of Pipes in Earthquakes

Camille George Rubeiz, PE, PPI

The state of California has experienced the 4th largest earthquake in US history. Learn the performance of pipes during earthquakes in the US (California), Japan and other countries, and potential solutions to minimize the failure due to extreme events like earthquakes and Tsunamis.

2:00 PM - 2:30 PM

Bendable PVC For Water Service Laterals

Doa J. Meade, P.E., Las Vegas Valley Water District

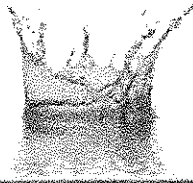
Learn of a case study in service lateral materials where a large water utility learned the cause for one material's failures, another material's disadvantages and discovered an alternative material's potential and tested its viability.

2:30 PM - 3:00 PM

Corrosion and Its Control for Ductile Iron Pipelines with Polyethylene Encasement

Mr. Paul H. Hanson, P.E., Ductile Iron Pipe Research Association

Participants in this session will learn of the research and development of polyethylene encasement for controlling external soil corrosion on ductile iron pipelines. The highlights of this presentation include the review of three in-place locations where ductile iron pipe protected with this method of corrosion control has been inspected.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 16 - Materials Performance

(CONTINUED)

3:00 PM - 3:30 PM

BREAK

3:30 PM - 4:30 PM

**Residential 13-D Installations, Statistics,
Components, Construction**

Bruce Lecair, National Fire Sprinkler Association

Learn all aspects of Residential Fire Sprinkler
Systems and the benefits to homeowners living
in residences constructed with Fire Sprinklers.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 17 - Backflow

9:00 AM - 12:00 PM

Test Procedures & Diagnostics of Backflow Assemblies

Henry Chang, USC-FCCCHR

1:30 PM - 3:00 PM

Repair of Backflow Assemblies, Part I

Jim Purzycki, BAVCO

2:00 PM - 3:00 PM

Repair of Backflow Assemblies, Part I

Jim Purzycki, BAVCO

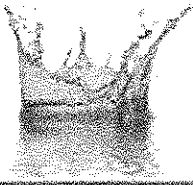
3:00 PM - 3:30 PM

BREAK

3:30 PM - 5:30 PM

Repair of Backflow Assemblies, Part II

Jim Purzycki, BAVCO



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 18 – Meters

9:00 AM - 9:30 AM

The Reduction of Lead in Drinking Water Act and Lead-Free Alternatives

Bridget Berardinelli, Sensus Meter

Learn how to prepare for pending lead legislation applying to water meters and details about the four leading lead-free meter alternatives.

9:30 AM - 10:00 AM

Large Meter Replacement Program

Oscar Alcantar, City of Sacramento

Learn the importance of correcting misapplied meters and the revenue increase potential of maintaining accurate water meters.

10:00 AM - 10:30 AM

Using Correlated Leak Detection to Extend the Benefits of a Utility's AMI Investment -- Best Practices in Water Resource Management and Impacts on Utilities

Bernard Dunham, Delta Engineering Sales

Learn the functionality and benefits of monitoring and controlling a utility's water pipeline network using correlated leak detection. When interfaced to a utility's existing AMI system, discover how correlated leak detection can be monitored remotely.

10:30 AM - 11:00 AM

AMI Implementation At EMWD

David Lopez, Eastern Municipal Water District

Learn the "real" benefits, shortcomings and pitfalls of AMI implementation.

11:00 AM - 11:30 AM

Ultrasonic Water Meters for Commercial & Industrial Metering

Greg Land, Master Meter Inc

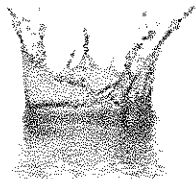
Learn the difference between a mag meter and an ultrasonic meter, and whether solid state technology is a fit for the attendees.

1:30 PM - 2:00 PM

Basics of Large Water Meter Testing

Darren G. McMillan, U.S. Metering and Technology

Learn the benefits and basic requirements for setting up a large meter testing program.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Wednesday, March 27, 2013

Session 18 – Meters (CONTINUED)

2:00 PM - 2:30 PM

How to Quickly and Effectively Deploy a Large Scale AMI System

Bud Tickel

2:30 PM - 3:00 PM

Water Supply Management using AMI Technology

Bernard Dunham, Delta Engineering Sales

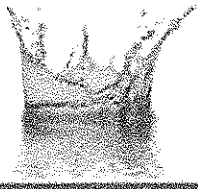
Learn the functionality and benefits of automated metering, types of AMI technologies available within the water industry and how utilities are using the data provided.

3:00 PM - 3:30 PM

Advance Water Efficiency by Improving Meter Accuracy at Extended Low Flows

Tracy Quinn

Provide water suppliers with information about water meter accuracy at extended low flows and why this is an important and timely issue in California and Nevada. Additionally, we are hoping to garner support for a proposal to revise the AWWA Meter Standards



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 19 –Asset Management

9:00 AM - 9:30 AM

Development of an Asset Management Program on a Shoestring Budget

Jack Bebee, Fallbrook PUD

Learn how to utilize a combination of in-house resources and outside expertise to initiate steps necessary to have an effective asset management program tailored to smaller agencies.

9:30 AM - 10:00 AM

Identifying Annual Pipeline Improvement Rates to Meet Level-of-Service Goals and Performance Standards

Katie Miller, SFPUC

Learn the SFPUC's risk scoring approach, prioritization ranking, level of service goals development, performance standard establishment, break data analysis, condition assessment plans, pipeline forensic program formulation, and CIP development. Also learn how to establish appropriate repair and replacement rates for aging infrastructure.

10:00 AM - 10:30 AM

Long-Term Capital Improvement Planning Using KANEW Model

Rajat K. Chakraborti, CH2M Hill

Learn how to plan aging infrastructure for asset management and sustainable service for the

water infrastructure; as well as focus on key components of infrastructure for rehabilitation.

10:30 AM - 11:00 AM

Using RIVA to Prioritize Pipeline Replacement

Zora Bindra, Westin

Many utilities struggle with identifying which water mains to replace in a given timeframe. Use of predictive renewal and rehabilitation tools such as RIVA can greatly simplify the decision process and justify increased R&R expenditures to mitigate future risk from pipeline failures. This session will provide an actual case study showing the benefits of using RIVA to prioritize main line replacements.

11:00 AM - 11:30 AM

Pipeline Infrastructure Replacement Program: A Scientific Approach to Ranking Pipes for Replacement at San Jose Water Company

Bill Tuttle and Jacob Walsh

Learn how to prioritize pipelines most in need of replacement based on propensity to leak and system criticality.

11:30 AM - 12:00 PM

Benefits and Challenges of Capital Project Validation

Erin Baker, Santa Clara Valley Water District

Learn what capital project validation is, the benefits of capital project validation, and potential issues that may arise during implementation of a validation process.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 20 - Security and Emergency

Preparedness

9:00 AM - 10:00 AM

Building Water Resiliency with US EPA's Community-Based Water Resiliency Tool

Marvin Young, US EPA

Learn to better understand interdependencies between water and other community services; assess their own water preparedness needs; identify resources specific to those needs, and advance their community's water preparedness efforts.

10:00 AM - 1:00 PM

Tablet/Mobile Technology in Water Symposium

Tripat Mangat, IGA

Learn about current Common Operating Picture development activities for emergency management on mobile platforms and how to integrate mobility with a water utility's IT infrastructure and become engaged in inter-agency collaboration for response and recovery and use that resource to improve operational efficiency.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 21 - Desalination

9:00 AM - 9:30 AM

Delivering Desal: How Do You Do It and What Does It Cost?

Andree Johnson, Richard Brady & Associates

Learn about operational and institutional issues associated with integration of a new water supply source into a regional water supply portfolio and an innovative approach to addressing these issues while minimizing distribution costs.

9:30 AM - 10:00 AM

Reverse Osmosis for Salinity Control at the Yucaipa Valley Water District – A WISE Project

James Vickers, Separation Processes

Learn how recycled water salinity control is an important consideration for groundwater basin management.

10:00 AM - 10:30 AM

West Basin's Road Map to a Full Scale Ocean Water Desalination Facility

Diane McKinney, West Basin Municipal Water District

Learn the approach and subsequent challenges and accomplishments West Basin has encountered during this step-wise approach to a full scale ocean water desalination facility.

10:30 AM - 11:00 AM

Understanding and Controlling Energy Costs for Membrane Systems

Douglas Brown, AECOM

Learn the typical energy requirements for membrane filtration and reverse osmosis system and how to control energy related costs.

11:00 AM - 11:30 AM

Zero Liquid Discharge from a High Salinity Waste Stream

Frank Schubert, Combined Solar Technologies

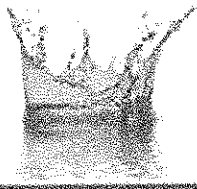
Learn about a successful project that achieves zero liquid discharge treating a high salinity wastewater stream (20,000 mg/L). The facility is fueled with waste biomass. Its emissions conform to stringent California Air Resources Board limits while producing water that is near potable in quality.

11:30 AM - 12:00 PM

Water Supply with Dynamic Variables: A Santa Cruz Case Study

Susie O'Hara, City of Santa Cruz

Learn about the 2.5 MGD scwd2 Regional Desalination Project and the dynamic variables, such as shifting demand projections, supply losses to habitat conservation and climate change, which greatly influenced the programmatic evaluation.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 22 – Source Water Quality

9:00 AM - 9:30 AM

SNWA Air Conditioner Condensate Study
Kent Sovocool, Southern Nevada Water Authority

Learn about the resource potential of condensate, a byproduct of air conditioning. The presentation includes quantification of volumes and chemical analyses of condensate collected from residential A/C units.

9:30 AM - 10:00 AM

Quagga Mussel Veliger Motility after Exposure to Oxidants

Julia Lew, Southern Nevada Water Authority

Learn how chloramination was chosen as a pre-treatment for SNWA and why this is expected to protect intake structures from quagga mussel infestation.

10:00 AM - 10:30 AM

From Contaminated Groundwater to Potable Water: Turning our Past Sins into Valuable Assets

James Collins, Malcolm Pirnie/ARCADIS

Learn about current applications where contaminated groundwaters that were once considered to be problems are successfully becoming sustainable assets for utilities in the Southwest.

10:30 AM - 11:30 AM

Groundwater/Surface Water Interaction: Measure, Model, Mitigate? The Ventura River Example

Jordan Kear, Kear Groundwater

Learn the methods of evaluation of the surface and groundwater interaction in a southern California river under intense regulatory and public scrutiny.

11:30 AM - 12:00 PM

Aquifer Storage and Recovery Regulatory Milestone and Its Impact on Local Projects

Christian E. Petersen, West Yost Associates

Learn how to utilize a new regulatory tool for the permitting of ASR projects in California. ASR is an important tool in helping many California communities stretch their water supplies and adapt to climate change.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 23 – Pipeline Rehabilitation

9:00 AM - 9:30 AM

Predicting Pipeline Damage From a Seismic Event for Catastrophic Reserve Budgeting
Matthew Kennedy, GHD Inc.

Learn an applied methodology for predicting widespread pipeline failures from a seismic event that can be utilized for quantifying damage and developing budget reserves for utility repairs. The methodology is founded on the literature and USGS seismic research and utilizes GIS.

9:30 AM - 10:00 AM

Seismic Retrofit of a Transmission Aqueduct Crossing the Rodgers Creek Fault
Kent Gylfe, Sonoma County Water Agency and Ahmed Nisar, InfraTerra, Inc.

Learn about the assessment, design, and implementation approach utilized to mitigate the potential risk of a catastrophic pipeline rupture for a water supply transmission main crossing a high risk seismic fault in an urban environment

10:00 AM - 10:30 AM

Renewal of Water Mains Using Trenchless Technologies
Serge Terentieff, East Bay Municipal District

Learn under which specific site conditions they could use either HDD or pipe bursting, as a viable alternative to open trench, for the routine replacement of their water mains. Attendees will also learn about potential cost savings and reduced community and

environmental impacts, as well as limitations associated with these technologies.

10:30 AM - 11:00 AM

Delta Diablo Sanitation District's Pittsburg Recycled Water Pipeline Pipeline Rehabilitation Using Alternate Methods
Anne Prudhel, Carollo Engineers

Learn about a practical case study in the design, application, and construction outcome of using alternate installation methodology in lieu of more conventional methods for a challenging pipeline alignment.

11:00 AM - 11:30 AM

Close Interval Surveys Provide Valuable Information on Pipeline Corrosion
Glenn Wilson, V&A Consultants

Learn the benefits of close interval testing on pipelines.

11:30 AM - 12:00 PM

Pipe Bursting Water Mains
George Mallakis, TT Technologies and Drew McIntyre, NMWD

Learn the basics of pipe bursting including the process, planning, design and applications of pipe bursting for water main distribution systems.

12:00 PM - 12:30 PM

HDD Using Ductile Iron Pipe

Learn about the use of ductile iron pipe for horizontal directional drilling and explains the Dorwart method for calculating the estimated pulling loads for flexible restrained joint ductile iron pipe. The paper will provide an analysis of two high profile projects that had a total of seven HDD pulls.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 24 – Water Treatment

9:00 AM - 10:00 AM

UV Disinfection Regulatory Issues with Medium Pressure UV Systems: Real-World Solutions to Overcome Uncertainty
Christine Cotton, Malcolm Pirnie/ARCADIS

Learn the low wavelength issues with MP UV systems; the current state of research being conducted to understand disinfection implications of low wavelengths; case studies for how operating UV facilities addressed this issue and regulatory uncertainty; case studies for how facilities under design and construction have addressed this issue; and recommendations for utilities considering MP UV systems for disinfection.

9:30 AM - 10:00 AM

The Big Picture: How Safe is Safe in the Treatment of Drinking Water for Public Systems
Rhodes Trussell, Trussell Technologies

Learn the history behind drinking water quality concerns that have driven the extent of treatment and contemporary issues that warrant a re-evaluation of how to answer the how safe is safe question.

10:00 AM - 10:30 AM

The Art of Arsenic Treatment
Brian Shoener, Provost & Pritchard

Learn the key items to consider when evaluating coagulation filtration treatment for arsenic removal such as raw water analysis, pilot studies, treatment filter design, backwash handling, solids disposal, construction and operation.

10:30 AM - 11:00 AM

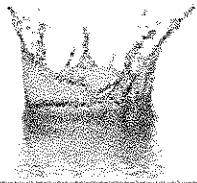
Pursuing Sustainable, Lower-Cost Nitrate Removal in California's Central Valley and Beyond
Erin D. Mackey, Carollo Engineers

Learn how biological treatment can provide environmentally friendly, lower-cost removal of nitrate and other contaminants.

11:00 AM - 11:30 AM

Fixed Bed Biofilm Reactor for the Removal of Ozonation Byproducts
Holly McNaught, Southern Nevada Water Authority

Learn how a fixed bed biofilm reactor (FBBR) may provide removal of BOM while minimizing operational concerns. A pilot-scale study demonstrated the ability of indigenous microorganisms to colonize plastic media and remove up to half of the assimilable organic carbon (AOC).



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 · LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 25 – Management Development and Leadership

12:00 PM - 1:00 PM

9:00 AM - 10:00 AM

Innovative Evolution: A Focus on New Methods for Solving Today's Challenges

Grant Van Hemert, Schneider Electric

Learn about how various companies such as engineers, contractors, suppliers, and others have expanded to offer unique solutions. The participant will learn how to look beyond the traditional scope of supply to find better solutions to challenges.

Six Strategies for Supporting Board/Management Conduits

Dr. Billie Blair, Change Strategists, Inc.

Learn the keys to making an organization work successfully in the face of modern-day challenges as well as the roles and strategies for management/board relationships and interactions in the management and policy-making arenas.

10:00 AM - 11:00 AM

Now What? Sustaining Change with the Employee Survey Action Plan

Michael DeSousa, CPS HR Consulting

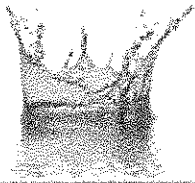
Learn the practical management actions that will make the employee survey a catalyst for meaningful action instead of one more well-intended but stalled project.

11:00 AM - 12:00 PM

Career Boot Camp: 10 Ways to Become Better Prepared

Robert Burg, Executive Vice President, Ralph Andersen & Associates

Learn about the critical skills and abilities needed to advance in a highly competitive environment.



SUSTAINABILITY

IN A TIME OF CHANGE

MARCH 25 - 28, 2013 - LAS VEGAS, NV



CALIFORNIA-NEVADA SECTION
American Water Works Association

Preliminary Technical Program

Thursday, March 28, 2013

Session 26 – Communications and Customer Relations

9:00 AM - 9:30 AM

Integration of Social Media, the Web and Mobile Apps

Tenille Otero, SDCWA

Learn how the San Diego County Water Authority is integrating social media, the web, and mobile apps to communicate to the public

9:30 AM - 10:30 AM

Time for a Facelift - Updating Your Agency Web Site

Shannon Reed, Irvine Ranch Water District

Learn how to refresh/redesign their agencies website. With all the information needed through the key actions. From the RFP process to the interview/firm selection to kick off meeting to launch.

10:30 AM - 11:00 AM

“Seeing is Believing” for the Water Purification Process

Alma Rife, City of San Diego Public Utilities
Department

Learn about the City of San Diego’s Water Purification Demonstration Project’s comprehensive outreach program with a particular emphasis on its facility tour program and its benefits.

11:00 AM - 12:00 PM

Collaborating with the Community to Get Your Project Approved - A Case Study on IRWD's Biosolids Project

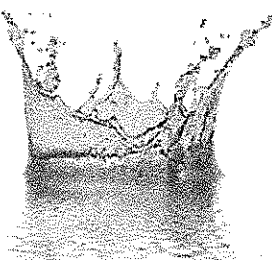
Shannon Reed, Irvine Ranch Water District

Learn strategies to work with the community to garner support and approval for potentially controversial projects.

12:00 PM - 1:00 PM

Water Works for You!

Darcy Burke



WE APPRECIATE YOUR DEDICATION THANK YOU!

We would like to sincerely thank all of our committees and hard working volunteers that developed this technical program and help to support our conferences. Such support from experts and industry professionals is greatly appreciated and essential to the advancement of the drinking water community.

Conference Leadership

Conference Director	Tammie Myers, Park Water Company
Asst. Conference Director	Michael Gualtieri, La Habra Heights Water District
Technical Programs Director	Jessica Adams-Webber, SRT Consultants
Local Arrangements Committee Chair	Nass Diallo, P.E., Las Vegas Valley Water District

Business Administration & Leadership Division

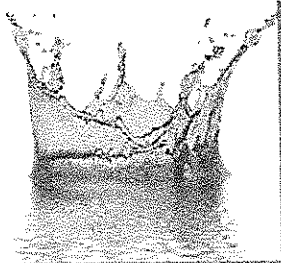
Division Chair	David Shank, San Diego County Water Authority
Division Vice-Chair	Grant Hoag, Black & Veatch
Committee Chair	Shannon Reed, Irvine Ranch Water District
	Communication & Customer Relations Committee
Committee Chair	Scott Curran, San Diego County Water Authority
	Financial Management Committee
Committee Chair	Douglas Spiers, Westin Engineering
	Information Management Committee
Committee Chair	Christine Hawkins, San Diego County Water Authority
	Management Development & Leadership Committee

Operations & Maintenance Division

Division Chair	Brandyn Hancocks, Golden State Water Company
Division Vice-Chair	Dale Gonzales, California Water Service Company
Committee Chair	Marian Gonzalez, Alameda County Water District
	Environmental Compliance & Safety Committee
Committee Chair	Jim Wollbrinck, San Jose Water Company
	Security and Emergency Preparedness Committee
Committee Chair	Michael Johnson, Stockton East Water District
	Systems Control Technology Committee
Committee Chair	Patrick Sweeney, CSI Services, Inc.
	Tanks, Reservoirs & Structures Maintenance Committee

Operators Division

Division Chair	Bill Cardinal, Calaveras County Water District
Division Vice-Chair	Ken Heard, City of Fresno
Committee Chair	Colin Chung, GHD Consulting, Inc.
	Asset Management Committee
Committee Chair	Tim Williams, Kennedy/Jenks Consultants
	Engineering & Construction Committee
Committee Chair	Richard Souza, Stanford University Utilities Division
	Operators Committee



WE APPRECIATE YOUR DEDICATION THANK YOU!

Safe Drinking Water Act Standing Committee

Committee Chair

Craig Thompson, Kennedy/Jenks Consultants
Safe Drinking Water Act Committee

Water Distribution Division

Division Chair

Division Vice-Chair

Committee Chair

Committee Chair

Committee Chair

Committee Chair

Stephen Gay, Long Beach Water Department
Drew McIntyre, North Marin Water District
Patricia Robinson, Retired, Long Beach Water Department
Backflow Programs Committee
John Standi, Golden State Water Company
Meters Committee
Drew McIntyre, North Marin Water District
Pipeline Rehabilitation & Corrosion Committee
Todd Jorgenson, City of Riverside Public Utilities
Materials Performance Committee

Water Resources Division

Division Chair

Committee Chair

Committee Chair

Committee Chair

Committee Chair

Committee Chair

Joe Wong, Brown & Caldwell
William "Bill" Faisst, Brown and Caldwell
Desalination Committee
Katie Porter, Malcolm Pirnie/ARCADIS
Energy Committee
Jack Bebee, Fallbrook Public Utility District
Recycled Water Committee
Nass Diallo, Las Vegas Valley Water District
Water Management & Efficiency Committee
Kevin McGillicuddy, P.G., Roscoe Moss Company
Water Well Technology Committee

Water Quality Division

Division Chair

Division Vice-Chair

Committee Chair

Committee Chair

Committee Chair

Committee Chair

Willie Frehner, Southern Nevada Water Authority
Joy Eldredge, City of Napa
Katherine Lawson, Golden State Water Company
Distribution System Water Quality Committee
David Hokanson, Trussell Technologies, Inc.
Research Committee
Joy Eldredge, City of Napa
Water Treatment Committee
Bruce Cabral, Santa Clara Valley Water District
Source Water Quality Committee

Young Professionals Standing Committee

Committee Chair

Brandon Stipe, AECOM
Young Professionals Committee

**MINUTES OF MEETING OF THE WATER SUPPLY & RELIABILITY COMMITTEE
OF THE PALMDALE WATER DISTRICT, NOVEMBER 16, 2012:**

A meeting of the Water Supply & Reliability Committee of the Palmdale Water District was held Friday, November 16, 2012, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Dexter called the meeting to order.

1) Roll Call.

Attendance:

Water Supply & Reliability Cmte:
Gordon Dexter, Chair
Gloria Dizmang, Committee
Member

Others Present:

Dennis LaMoreaux, General Manager
Robert Alvarado, PWD Director
Jon Pernula, Water & Energy Resources Mngr.
Matt Knudson, Engineering Manager
0 members of the public

2) Adoption of Agenda.

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

3) Public Comments.

There were no public comments.

4) Action Items:

4.1) Consideration and Possible Action on Approval of Minutes of Meeting Held October 19, 2012.

It was moved by Committee Member Dizmang, seconded by Chair Dexter, and unanimously carried to approve the minutes of the Water Supply & Reliability Committee meeting held October 19, 2012, as written.

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

Committee Member Dizmang commended Water & Energy Resources Manager Pernula on his recent solar and green energy Board presentation and then requested a future Board presentation on the status of the wind turbine.

Water & Energy Resources Manager Pernula then reviewed the water supply projections and charts included with the agenda packet and informed the Committee that the year-end water supply is great; that groundwater/surface water percentages are being adjusted to use all surface water; that Palmdale Lake has been drawn down for water treatment plant cattail maintenance; but that the Lake level will be increased before the Fin & Feather Club's opening day.

Chair Dexter inquired about stored water after which Water & Energy Resources Manager Pernula informed the Committee that the District stored its State Water Project carryover water in the Rosamond-Semitropic Water Bank.

Chair Dexter then requested the total amount of stored and payback water be reviewed at year-end to establish the District's efforts to store water in the ground it would have ordinarily taken, and Engineering Manager Knudson stated that water was not taken from Littlerock Reservoir during 2012 and was also stored.

Projected water use, actual water use, water production, and water losses were then reviewed and discussed.

4.3) Discussion of the District's Water Banking Opportunities. (Chair Dexter)

Committee Member Dizmang inquired about the Garden Bar Project after which Water & Energy Resources Manager Pernula informed the Committee that this project is on hold and that he is in discussion on a water supply and storage project outside the State Water Project followed by discussion of the cost and location of the Garden Bar Project.

Engineering Manager Knudson then informed the Committee that he and Water & Energy Resources Manager Pernula met this morning with AVEK's Assistant General Manager regarding banking opportunities on the east side of the Antelope Valley near Littlerock and the District may benefit as a partner in this opportunity.

4.4) Status on the operations of the State Water Project. (Water & Energy Resources Manager Pernula)

Water & Energy Resources Manager Pernula informed the Committee that the District will be notified of the initial State Water Project allocation by December 1; that reservoir levels do not indicate the dryness of 2012; and that 2012 snowpack levels are

similar to 2007 drought-year levels followed by discussion of the vote on the Hetch-Hetchy Reservoir.

5) Project Updates.

5.1) Palmdale Recycled Water Authority. (Water & Energy Resources Manager Pernula)

Chair Dexter stated that he met yesterday with Mayor Ledford, City Manager Dave Childs, Mike Mischel from the City of Palmdale, General Manager LaMoreaux, and Engineering Manager Knudson to discuss the next steps and the function of the Palmdale Recycled Water Authority JPA as well as establishing requirements for the fifth member of the JPA's Board, meeting locations, scheduling the first meeting for January 16 with future meetings to be held the third Wednesday of each month at 7:00 p.m., holding meetings initially monthly with the goal of meeting quarterly, and legal representation, which will be provided by the City's legal counsel.

He continued that determinations on the direction of the Technical Committee will have to be made; that development of the bylaws must be done in public session; that financing for the JPA will eventually be developed; that the JPA will be self-sufficient through recycled water sales and capital fees; and that a ceremony for the first use of recycled water at McAdam Park is being scheduled.

5.2) Water Purchase Opportunities. (Water & Energy Resources Manager Pernula)

Water & Energy Resources Manager Pernula stated that he is working on potential opportunities with several State Water Contractors.

5.3) Littlerock Dam Sediment Removal Project. (Engineering Manager Knudson)

Engineering Manager Knudson stated that the Forest Service is open to disposing of sediment just east of Littlerock Reservoir on Forest Service property; that this would be a significant environmental impact reduction and cost savings to the District; and that staff will continue working in this direction.

6) Information Items.

Water & Energy Resources Manager Pernula reviewed 2013 water costs associated with the amount of billed water and stated that the draft 2013 budget presented to the Finance Committee uses 18,800 acre feet as a projected water sales consumption number followed by discussion of water projections and sales for 2013 compared to 2009, the budget, a level pay plan, simplifying outreach efforts, and the Before the First Drop marketing campaign.

There were no additional information items to discuss.

7) Board Members' Requests for Future Agenda Items.

Chair Dexter informed the Committee of a customer receiving a \$3,000 water bill and requested that General Manager LaMoreaux contact the customer; that an item be added to a future Board meeting agenda for "Discussion of the District's responsibility to assist customers;" and that the Outreach Committee discuss educating customers on water units equaling a certain amount of water with graphics showing this amount, how to better track water use, using a water use calculator, and informing customers to not tamper with water meters.

There were no further requests for future agenda items.

The next Water Supply & Reliability Committee meeting was then scheduled for January 18, 2012 at 3:00 p.m.

8) Adjournment.

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



Chair

**MINUTES OF MEETING OF THE PERSONNEL COMMITTEE OF THE PALMDALE
WATER DISTRICT, DECEMBER 18, 2012:**

A meeting of the Personnel Committee of the Palmdale Water District was held Wednesday, December 18, 2012, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Mac Laren called the meeting to order.

1) Roll Call.

Attendance:

Personnel Committee:
Kathy Mac Laren, Chair
Gloria Dizmang, Committee
Member

Others Present:

Dennis LaMoreaux, General Manager
Mike Williams, Finance Manager
Matt Knudson, Engineering Manager
Claudette Beck, Water Conservation Spvsr.
Kelly Jeters, Systems Supervisor
Judith Hernandez, Asst. Customer Service Spvsr.
Dawn Deans, Executive Assistant
13 members of the public

2) Adoption of Agenda.

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

3) Public Comments.

There were no public comments.

4) Presentation: CalPERS OPEB Trust Program. (Matthew Goss, CERBT Program Analyst)

Mr. Matthew Goss, California Employers Retiree Benefit Trust (CERBT) Program Analyst, stated that CalPERS offers public agencies a solution for providing Other Post Employment Benefits (OPEB) through a CERBT and then reviewed prefunding OPEB, the advantages of establishing an OPEB fund, the benefits of participating in the CERBT program, the options available through a CERBT, the cost of their program and structure of contributions, investment and funding options, and the process for enrolling in the CERBT program followed by discussion of the CERBT program and the District's Investment Policy.

The Committee then thanked Mr. Goss for the presentation after which General Manager LaMoreaux recommended funding a CERBT be discussed at a Finance Committee meeting.

5) Action Items:

5.1) Consideration and Possible Action on Approval of Minutes of Meeting Held November 7, 2012.

It was moved by Committee Member Dizmang, seconded by Chair Mac Laren, and unanimously carried to approve the minutes of the Personnel Committee meeting held November 7, 2012, as written.

5.2) Discussion and Possible Action on Conducting an Organizational Assessment. (General Manager LaMoreaux)

General Manager LaMoreaux informed the Committee that he is working with the American Water Works Association (AWWA) and EMA Inc. to obtain materials and a quotation for an Organizational Assessment and that as an option, the Assessment can either be prepared by the consultant recommended by Chair Mac Laren or a Request for Proposals for the Assessment can be prepared for Committee review.

After a brief discussion of the options, the Committee recommended a Request for Proposals for conducting an Organizational Assessment be prepared for review at the next Committee meeting.

5.3) Discussion and Possible Action on Employee Contribution Towards CalPERS Retirement. (Chair Mac Laren)

Chair Mac Laren stated that this item is being discussed by the full Board at budget workshops.

5.4) Discussion and Possible Action on Minimal Employee Premium Contribution Towards Health Insurance Benefits. (Chair Mac Laren)

Committee Member Dizmang requested this item be tabled and additional information be prepared and then presented General Manager LaMoreaux with a request for information regarding layoffs, furloughs, cost of living increases, sacrifices made by employees to assist with budget issues, and the savings from each of these items.

5.5) Discussion and Possible Action on Optional ACWA Programs and Benefits. (Chair Mac Laren)

Chair Mac Laren stated that optional ACWA programs were discussed at the ACWA Conference and requested all ACWA programs be presented to the Committee for review after which General Manager LaMoreaux stated that he will work with Human Resources Consultant Burns regarding this information.

6) Information Items.

Committee Member Dizmang stated that she heard rumor that some employees are unhappy with the Board's decision to fill several vacant positions after which General Manager LaMoreaux stated that he has addressed this concern followed by discussion of filling vacant positions, the Board obtaining information prior to making decisions, hearing from employees, being honest, open, and transparent, the Board and staff working as a team, following chain of command, the need to raise water rates, remaining financially sound, streamlining operations, the importance of infrastructure, cuts to the 2013 draft budget, staff's efforts to keep expenses at 2006 levels, providing quality water, rising energy costs, and communication efforts.

There were no further information items.

6) Board Members' Requests for Future Agenda Items.

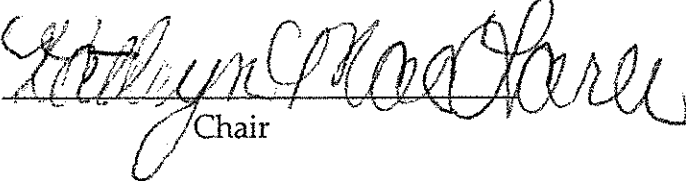
Committee Member Dizmang requested an item be placed on the next agenda for "Report on sacrifices by District employees."

There were no further requests for future agenda items.

It was determined that the next Personnel Committee meeting will be held January 22, 2013 at 6:30 p.m.

7) **Adjournment.**

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


Chair

**MINUTES OF MEETING OF THE OUTREACH COMMITTEE OF THE PALMDALE
WATER DISTRICT, JANUARY 7, 2013:**

A regular meeting of the Outreach Committee of the Palmdale Water District was held Monday, January 7, 2013, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Dizmang called the meeting to order.

1) Roll Call.

Attendance:

Outreach Committee:

Gloria Dizmang, Chair

Robert Alvarado, Committee
Member

Others Present:

Dennis LaMoreaux, General Manager

Jim Stanton, Information Technology Manager

Claudette Beck, Water Conservation Supervisor

Dawn Deans, Executive Assistant

Danielle Henry, Administrative Assistant

0 members of the public

2) Adoption of Agenda.

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

3) Public Comments.

There were no public comments.

4) Action Items:

**4.1) Consideration and Possible Action on Approval of Minutes of Meeting
Held December 3, 2012.**

After a brief discussion, it was moved by Committee Member Alvarado, seconded by Chair Dizmang, and unanimously carried to approve the minutes of the meeting held December 3, 2012, as written.

**4.2) Discussion of Next Issue of Water News. (Water Conservation Supervisor
Beck)**

Water Conservation Supervisor Beck reviewed the upcoming issue of Water News followed by discussion of the articles and revisions.

4.3) Discussion of "Before the First Drop" Marketing Campaign. (Chair Dizmang)

Chair Dizmang stated that she is impressed with the Before the First Drop marketing campaign and recommended the District enter ACWA's Best in Blue Achieving Communications Excellence awards program.

Information Technology Manager Stanton then informed the Committee that phase 2 of the interactive "Before the First Drop" marketing campaign will be live as soon as content is updated followed by discussion of this marketing campaign helping explain water rate increases.

Committee Member Alvarado then stated that he writes editorials for English and Spanish newspapers and can help promote the Before the First Drop marketing campaign through the editorials and will also translate ads and articles for the District free of charge.

4.4) Discussion and Possible Action on Social Media Marketing Campaign. (Committee Member Dizmang)

Water Conservation Supervisor Beck informed the Committee that a Constant Contact email notification was sent regarding the District's upcoming Landscape Workshop, and email notifications will also be sent for future workshops.

Administrative Assistant Henry then reviewed the proof and t-shirts for the social media marketing campaign after which Information Systems Technology Manager Stanton informed the Committee that staff will work with the printer on correcting the t-shirts.

4.5) Review of Topics for On Air Discussions. (Water Conservation Supervisor Beck)

Water Conservation Supervisor Beck reviewed topics for on-air radio and cable television discussions being the Cash for Grass Program, rebates, Fix-a-Leak Week in March, irrigation problems and rebates for mp rotators, new technology for water saving devices and potential rebates for these devices, designing a water-wise landscape, school programs, understanding the allocation, and general District information.

Additional topics of how to check your water meter for leaks, not tampering with the water meter, a demonstration on water purification, conducting taste tests, the

adjudication process, how to use the options for paying water bills, and water rate increases were then added to the list.

Committee Member Alvarado then stated that he can provide free air time on a Spanish radio station.

5) Old Business.

5.1) Status of Water Cost Comparison with Different Water Districts and Comparisons to Gas and Electricity Costs. (Director Dizmang)

General Manager LaMoreaux stated that Finance Manager Williams will be updating the water cost comparison based on actions taken at the January 9 Board meeting; that information on additional utility costs is still not available; and that rate changes from the last twelve months from other water agencies will also be included on the comparison as they are much higher than the District's rates.

5.2) Discussion of Amendment to the District's Rules and Regulations Regarding Community Presentations and Policy for Requesting District Speakers and Presentations. (General Manager LaMoreaux)

General Manager LaMoreaux stated that topics for presentations requested from the various community organizations was included with the agenda packets followed by review of these topics after which staff was directed to send a second request for presentation topics and include additional suggested presentation topics.

General Manager LaMoreaux then informed the Committee that once presentation topics are determined, a policy will be developed for Committee review; that most topics are technical in nature; and that technical matters would be best handled by himself, Water Conservation Supervisor Beck, and Operations Manager Thompson II.

5.3) Discussion and Possible Action on Video Media for Front Lobby. (Committee Member Alvarado)

Information Technology Manager Stanton informed the Committee that staff is collecting past and present Cash for Grass photographs, all holiday greetings will be removed at the end of this week, and staff is ensuring all information is current for the video media.

Committee Member Alvarado requested a progressive outreach video be developed and added to the video media to inform the public on the District's efforts to reach out to the community and share information on the District's programs and services and this outreach video include ads, publications, radio and television photographs, Facebook, the website, and grant efforts after which Chair Dizmang requested this also be viewed as opportunities for the public to contact the District.

6) Information Items.

6.1) Update on Landscape Workshops. (Water Conservation Supervisor Beck)

Water Conservation Supervisor Beck informed the Committee that the first Landscape Workshop is scheduled for January 19 from 9 a.m. to noon; that the next Landscape Workshop is scheduled for January 31 in the evening; that Saturday morning and Thursday evening Cash for Grass Program Landscape Workshops will be held for the next five months; that these events will be publicized; that Quartz Hill Water District is hosting a January Landscape Workshop at the Antelope Valley College; that it is anticipated that the Palmdale Water District will host two or three workshops at the Antelope Valley College; and that Landscape Workshops on any topic can also be scheduled.

6.2) Update on 2012-2013 Water Awareness School Education Programs. (Water Conservation Supervisor Beck)

Water Conservation Supervisor Beck informed the Committee that entry forms for all water awareness school education contests have been distributed; that participation has been slow; and that staff will contact the schools again to increase participation after which it was recommended that the water awareness school education contest flyer be distributed via Constant Contact to increase participation.

6.3) Status Report on Enhancing the District's Web Site and Social Media Presence. (Information Technology Manager Stanton/Water Conservation Supervisor Roberts)

Information Technology Manager Stanton informed the Committee that an Aquadog.org website is currently being developed; that all education and contest information will be hosted on this website; and that this will be a kid-friendly website.

6.4) Other.

General Manager LaMoreaux informed the Committee that Channel 3 News will be reporting on the water rate increase as reported in the Antelope Valley Press; that they will follow-up after the January 9 Board meeting; and that actions from the meeting will be distributed via press release and other methods.

There were no further information items.

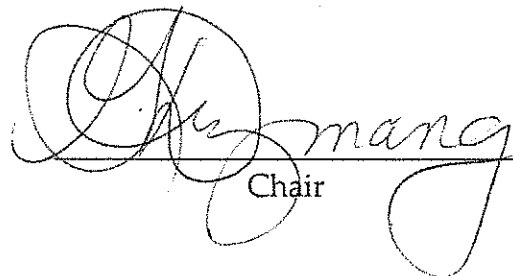
6) Board Members' Requests for Future Agenda Items.

There were no requests for future agenda items.

The next Outreach Committee meeting was then scheduled for February 4, 2013 at 3:00 p.m.

7) Adjournment.

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



Chair

**MINUTES OF MEETING OF THE PERSONNEL COMMITTEE OF THE PALMDALE
WATER DISTRICT, JANUARY 22, 2013:**

A meeting of the Personnel Committee of the Palmdale Water District was held Tuesday, January 22, 2013, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Mac Laren called the meeting to order.

1) Roll Call.

Attendance:

Personnel Committee:

Kathy Mac Laren, Chair

Gloria Dizmang, Committee
Member

Others Present:

Dennis LaMoreaux, General Manager

Robert Alvarado, PWD Director

Matt Knudson, Engineering Manager

Jeannie Burns, Acting Human Resources Manager

Dawn Deans, Executive Assistant

3 members of the public

2) Adoption of Agenda.

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

3) Public Comments.

There were no public comments.

4) Action Items:

4.1) Consideration and Possible Action on Approval of Minutes of Meeting Held December 18, 2012.

It was moved by Committee Member Dizmang, seconded by Chair Mac Laren, and unanimously carried to approve the minutes of the Personnel Committee meeting held December 18, 2012, as written.

4.2) Discussion and Possible Action on Conducting an Organizational Assessment. (General Manager LaMoreaux)

General Manager LaMoreaux reviewed a Request for Proposals for conducting an Organizational Assessment for the District, and after a brief discussion of the firms,

schedule, and scope of work, it was determined that the Committee will review the draft Request for Proposals, provide comments, and General Manager LaMoreaux will then send the Request for Proposals.

4.3) Discussion and Possible Action on Employee Contribution Towards CalPERS Retirement. (Chair Mac Laren)

Chair Mac Laren stated that there is no additional information on this item at this time, and this item will be tabled until the next Personnel Committee meeting.

She then stated that Agenda Item No. 4.5 will now be considered.

4.5) Discussion and Possible Action on Prior Cuts Borne by District Employees. (Committee Member Dizmang)

Committee Member Dizmang stated that based on information provided by General Manager LaMoreaux, copy attached, since 2009, prior cuts borne by District employees total approximately \$600,000 followed by discussion of these cuts and the hardship to individual employees by these cuts.

Mr. Peter Henrie, Plant Operator, then informed the Committee of the personal financial impact he will experience based on no performance-based merit increase, no cost of living adjustment, and an employee contribution towards CalPERS and stated that all employees will experience this financial hardship and then commented on the minimal impact to customers from the recently approved budget and rate increase.

Chair Mac Laren thanked Mr. Henrie for his comments and stated that Agenda Item No. 4.7 will now be considered.

4.7) Discussion and Possible Action on Establishing Goals for the Personnel Committee. (Chair Mac Laren)

Chair Mac Laren recommended the Personnel Committee establish goals; that goals will help the Board have healthcare plan options established in the event they need to be implemented; that goals will help employees be fully aware of these options and aware there may be changes with possible contributions towards health-care and retirement benefits; and that there is ample time to present any changes in plans or

contributions to employees during open enrollment after which the Committee established the following goals for 2013:

- 1) To review all ACWA insurance programs and make necessary adjustments to agency and staff contributions with the key word being necessary.
- 2) To review employee contributions to CalPERS.
- 3) To review benefit packages and remain competitive with other water agencies.

Chair Mac Laren then stated that Agenda Item No. 4.4 will now be considered.

4.4) Discussion and Possible Action on Minimal Employee Premium Contribution Towards Health Insurance Benefits. (Chair Mac Laren)

Committee Member Dizmang requested all insurance programs offered by ACWA be provided to the Committee for review prior to considering this item.

Chair Mac Laren then stated that Agenda Item No. 4.6 will now be considered.

4.6) Discussion and Possible Action on Optional ACWA Programs and Benefits. (Chair Mac Laren)

Acting Human Resources Manager Burns reviewed the Kaiser high deductible health insurance plan offered through ACWA and the drawbacks of these types of plans followed by discussion of several articles on these plans, the effect of Obamacare on healthcare costs, wellness programs, preventive care, and increasing healthcare costs due to the high cost of prescription drugs after which the Committee requested program information and general costs on the additional healthcare programs offered through ACWA.

Chair Mac Laren then stated that the Committee is at the stage of researching and considering all healthcare programs; that this is a slow process; and that the hope is to be able to provide all healthcare plan options prior to open enrollment.

5) Information Items.

Acting Human Resources Manager Burns distributed information regarding retiring baby-boomers, the public sector not being prepared for these retirements, and filling these vacancies in the workforce.

There were no further information items.

6) Board Members' Requests for Future Agenda Items.

Chair Mac Laren requested an item be placed on the next agenda for "Discussion and possible action on retiree healthcare benefits" followed by discussion of the District's policy for retiree healthcare coverage, coordination with Medicare, implementing a two-tiered program, and requiring retiree healthcare coverage under the District's least expensive healthcare plan.

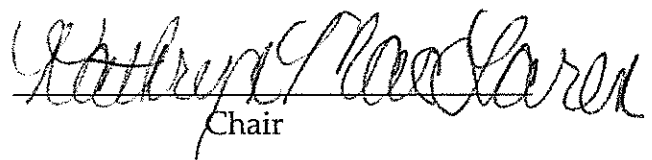
Filling the Human Resources Manager position was then discussed, and it was determined that filling this position will be considered after completion of the Organizational Assessment.

There were no further requests for future agenda items.

It was determined that the next Personnel Committee meeting will be held February 6, 2013 at 6:30 p.m.

7) Adjournment.

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


Chair

**PALMDALE WATER DISTRICT
BOARD MEMORANDUM**

DATE: January 21, 2013 January 22, 2013
TO: PERSONNEL COMMITTEE Committee Meeting
FROM: Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 4.5 – REPORT ON PRIOR CUTS BORNE BY
DISTRICT EMPLOYEES***

The following information is provided in response to the December 18, 2012 written request from Director Dizmang, copy attached.

- 1) **How many personnel layoffs have occurred? How much money was saved by the District? Were any of the positions reinstated? At what cost to the District?**

In 2009 there were three (3) retirements from a 2-year incentive program and four (4) layoffs summarized as follows:

Position	Occurrence	Position Replaced	Estimated Savings¹
USA Locator	Retired	No	\$86,600 (annually)
Customer Serv. Rep.	Retired	Yes	n/a
Operations Manager	Retired	Yes	n/a
Engineering Aide	Layoff	No ²	\$104,300 (annually)
Risk/Safety Officer	Layoff	No	\$112,200 (annually)
Maintenance Worker	Layoff	No ²	\$55,300 (annually)
HR Manager	Layoff	Yes ³	\$16,100 (one time)

Notes:

¹Includes an estimate of benefits using a factor of 1.40 rounded to nearest \$100.

²The employees involved were later rehired into other positions as vacancies occurred.

³A HR consultant was hired by the District and shared HR duties with the Assistant General Manager, Executive Secretary, and a new position of Administrative Assistant after the layoff. The Assistant General Manager position compensation was increased over 16% partially in response to this action. The laid-off employee was later rehired into the same position and the Assistant General Manager left the District. The Assistant General Manager position was

reset to a normal salary range and remains vacant. The number reflects the net amount of savings from 2009, not the savings between the HR Manager and Assistant General Manager positions.

- 2) **How many times were job furloughs established? How much was saved by the District? Are any of these furloughs still in effect? Have any been cancelled? How much did this cost/save the District?**

Furloughs of two (2) days per month were established for exempt and non-exempt employees for a six-month period by Board action on June 10, 2009. The initial savings estimate from this action was \$258,000. However, it was done such that employees could file for EDD compensation, furloughs were ended after four (4) months, and the effect was also reduced due to paying some employees to respond to emergencies. The maximum potential savings from the four (4) month furlough was then \$172,000. The actual savings were \$69,000 per the General Manager's memo dated September 30, 2009. Many employees did file for compensation from EDD. The District paid \$40,382 and \$17,792 to EDD covering the claims in 2010 and 2011 respectively. The net District-wide savings from this action was then \$10,826.

It should be noted that the District-wide savings are not a direct reflection on the effect to individual employees. Only a minority of employees are needed to respond to emergencies. While many of the remaining employees filed with EDD, the compensation was significantly less than the compensation lost due to the furloughs.

Additional Board action at the same meeting closed the office during the time period between Christmas and New Year's Day. The savings from this were minimal as employees were, and are, able to use accumulated vacation or other paid leave. This action was evaluated by the Board in 2010 and left in place. The cost savings from employees not using accumulated paid leave are as follows:

2009:	\$4,144
2010:	\$5,785
2011:	\$1,623
2012:	\$2,138

- 3) **How many times did employees NOT get cost of living increases? What did this save the District? How many times have COLA's been paid? At what rates (higher to make up for losses or what was due)?**

A summary of the changes in CPI and Board actions for the years 2007 – 2012 is as follows:

<u>Year</u>	<u>CPI</u>	<u>Board Action</u>
2007	2.9%	3.0%
2008	5.4%	5.0%
2009	(2.2%)	0%

2010	0.9%	0%
2011	1.6%	1.6%
2012	<u>1.9%</u>	<u>0.6%</u>
Totals:	10.5%	10.2%

Using an amount of \$59,000 per 1% change in COLA, the difference between CPI and approved COLA is \$17,700.

- 4) **What other sacrifices have the employees made to assist the District with the budget? Please explain and report how much savings to the District. (Not including any cost saving measures done by the various departments.)**

Other effects of Board/General Manager action on employee compensation are as follows:

- No availability of performance/merit increases for 2009 and 2010: approximately \$220,000;
- One of two Floating Holidays was removed for 2009;
- Elimination of employee appreciation events (Picnic/Theme Park and Christmas Dinner): \$8,000 annually, and;
- Negative effect on employee morale and productivity in 2009 from how the various items were discussed and handled.

December 18, 2012

Dennis,

In order to make good decisions the Board needs to be informed of the following:

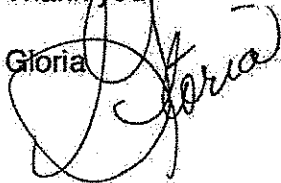
Statistics from 2007-2012

1. How many personnel layoffs have occurred? How much money was saved by the District? Were any of these positions reinstated? At what cost to the district? (Please include benefits.)
2. How many times were job furloughs established? How much was saved by the District? Are any of these furloughs still in effect? Have any been cancelled? How much did this cost/save the District?
3. How many times did employees NOT get cost of living increases? What did this save the District? How many times have COLs been paid? At what rates (higher to make up for losses or what was due) ?
4. What other sacrifices have the employees made to assist the District with the budget? Please explain and report how much savings to the District.

I am not asking the cost saving measures done by the various departments.

Thank you!

Gloria



cc: Kathy MacClaren, Chair, Personnel Committee
Dawn Dean, Administrative Assistant

RECEIVED
DEC 18 2012

RE: ***AGENDA ITEM NO. 8.2 – REPORT OF GENERAL MANAGER –
DISTRICT VACANCIES***

Executing hiring process approved 11/14/12