LAS VIRGENES MUNICIPAL WATER DISTRICT

4232 Las Virgenes Road, Calabasas CA 91302

AGENDA
REGULAR MEETING

Members of the public wishing to address the Board of Directors are advised that a statement of Public Comment Protocols is available from the Clerk of the Board. Prior to speaking, each speaker is asked to review these protocols and MUST complete a speakers' card and hand it to the Clerk of the Board. Speakers will be recognized in the order cards are received.

The Public Comments agenda item is presented to allow the public to address the Board on matters not on the agenda. The public may present comments on any agenda item at the time the item is called upon for discussion.

Materials prepared by the District in connection with subject matter on the agenda are available for public inspection at 4232 Las Virgenes Road, Calabasas, CA 91302. Materials prepared by the District and distributed to the Board during this meeting are available for public inspection at the meeting or as soon thereafter as possible. Materials presented to the Board by the public will be maintained as part of the records of these proceedings and are available upon written request to the Clerk of the Board.

5:00 PM October 14, 2014

PLEDGE OF ALLEGIANCE

1. **CALL TO ORDER AND ROLL CALL**
2. **APPROVAL OF AGENDA**
3. **PUBLIC COMMENTS**

   Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

4. **CONSENT CALENDAR**

   A Minutes: Regular Meeting of September 23, 2014 (Pg. 5) Approve

B Directors' Per Diem: September, 2014 (Pg. 12) Ratify

C List of Demands: October 14, 2014 (Pg. 18) Approve

D Supply and Delivery of Sodium Bisulfite: Award of Bid (Pg. 57) Approve

Accept the bid from JCI Jones Chemical, Inc., and authorize the General Manager to execute a one-year contract in the amount of $167,580, with four one-year renewal options, for the annual supply and delivery of sodium bisulfite.

E Annual Backflow Prevention Device Testing: Award of Bid (Pg. 61) Approve

Accept the bid from AAA Backflow Device Testing and authorize the General Manager to execute a one-year contract in the amount of $26,700, with four one-year renewal options, for annual backflow prevention device testing services.

F Supply and Delivery of Diatomaceous Earth: Award of Bid (Pg. 69) Approve

Accept the bid from Dicalite Minerals, Inc., and authorize the General Manager to execute a one-year contract in the amount of $29,730.72, with three one-year renewal options for the supply and delivery of diatomaceous earth.

G Annual Supply and Delivery Ferric Chloride: Request for Bids (Pg. 77) Approve

Approve a Request for Bids for the annual supply and delivery of ferric chloride.

5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Legislative and Regulatory Updates

B Water Distribution and Transmission System Maintenance and Rehabilitation Needs: System Indicators Report (Pg. 80)

6. TREASURER

7. FACILITIES AND OPERATIONS

A Thousand Oaks Boulevard and Liberty Canyon Road Pavement Restoration Project: Construction Award (Pg. 124)

Award a construction contract to Toro Enterprises, Inc. in the amount of $56,928.47 for the Thousand Oaks Boulevard and Liberty Canyon Road Pavement Restoration Project and reject all remaining bids upon receipt of the duly executed contract documents.

B Recycled Water Reservoir No. 2 Improvements: Construction Award (Pg. 126)

Award a construction contract to Zusser Company, Inc. in the amount of $815,934.00 for the Recycled Water Reservoir No. 2 Improvements Project, excluding optional Bid Item No. 8 for shade balls and reject all remaining bids upon receipt of the duly executed contract documents.

C Emergency Replacement of Deteriorated Segments of 10-Inch Potable Water Main on Mulholland Highway, Relocation of Appurtenances and Paving of Three Affected Areas (Pg. 129)

Recognize the emergency need to replace three deteriorated segments of 10-inch water main on Mulholland Highway, relocate water system appurtenances and re-pave three areas affected by prior water main breaks; and authorize the General Manager to issue an

emergency purchase order to Toro Enterprises Inc., in the amount of $60,000.00, to complete the work.

8. FINANCE AND ADMINISTRATION

A Fiscal Year 2015-16 Proposed Sanitation Rate for Consolidated Sewer Maintenance District, Topanga Tax Zone (Pg. 131)

Approve a billing rate of $55.40 per Equivalent Residential Unit per month for the Consolidated Sewer Maintenance District, Topanga Tax Zone, effective July 1, 2015.

9. RESOURCE CONSERVATION AND PUBLIC OUTREACH

A Supplemental Funding for Mow-No-Mow Turf Removal Program and Water Use for Pools During the Drought (Pg. 135)

Increase the Fiscal Year 2014-15 budget for the District's Mow-No-Mow Turf Removal Program from $148,165 to $1,128,000 to account for the substantial increase in participation in the program that currently provides a $2.00 per square foot incentive, which is 100% reimbursable by Metropolitan Water District of Southern California, and authorize the General Manager to develop a Pool Cover Rebate Program, funded by the potential re-allocation of unspent Proposition 50 grant funds, for approval by the Board.

10. LEGAL SERVICES

A Update of Las Virgenes Municipal Water District Code: Review Session No. 4 (Pg. 142)

Review the proposed updates to Title 4 of the Las Virgenes Municipal Water District Code and provide feedback to staff and the District's Legal Counsel.

11. INFORMATION ITEMS

A Budget-Based Water Rates: Indoor and Outdoor Water Usage (Pg. 203)

B Adopted Financial Policies: Response to Questions (Pg. 206)

C 8-Inch Sludge Force Main Failure: Completion of Work (Pg. 208)

D Supply and Delivery of Aluminum Sulfate: Award of Bid (Pg. 209)

12. NON-ACTION ITEMS

A Organization Reports (Pg. 212)

(1) MWD Representative Report/Agenda(s)

(2) Other

B Director's Reports on Outside Meetings

C General Manager Reports

(1) General Business

(2) Follow-Up Items

D Director's Comments

13. FUTURE AGENDA ITEMS

14. PUBLIC COMMENTS

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

15. CLOSED SESSION

A Conference with District Counsel – Existing Litigation (Government Code Section 54956.9(a)):

1. San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.
2. Las Virgenes - Triunfo Joint Powers Authority v. United States Environmental Protection Agency and Heal the Bay, Inc. v. Lisa P. Jackson

B Conference with District Counsel – Anticipated Litigation (Government Code Section 54956.9(b)):

Number of Cases: 1

16. OPEN SESSION AND ADJOURNMENT

LAS VIRGENES MUNICIPAL WATER DISTRICT
4232 Las Virgenes Road, Calabasas CA 91302

MINUTES
REGULAR MEETING

5:00 PM

September 23, 2014

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to the Flag was led by Board President, Charles Caspary.

1. CALL TO ORDER AND ROLL CALL

A Call to order and roll call

The meeting was called to order at **5:01 p.m.** by Board President Caspary in the District offices. Daryl Betancur, Clerk of the Board conducted the roll call.

Present:	Directors, Polan, Renger, Steinhardt, Peterson and Board President Caspary.
Absent:	None
Staff Present:	David Pedersen, General Manager
	Daryl Betancur, Clerk of the Board
	David R. Lippman, Director of Facilities and Operations
	Carlos Reyes, Director of Resource Conservation and Public Outreach
	Don Patterson, Director of Finance and Administration
	Wayne Lemieux, District Counsel

2. APPROVAL OF AGENDA

A Approval of agenda

General Manager Pedersen indicated that the Board may wish to discuss item 8A first because there is a guest who wants to speak on that item.

Director Polan moved to approve the agenda with the noted change. Motion seconded by Director Renger. Motion carried unanimously.

ITEM 4A

3. PUBLIC COMMENTS

There were no public comments.

4. CONSENT CALENDAR

Prior to the approval of the minutes, Board President Caspary noted that for the record, there are minor corrections to the minutes in that as presented, the minutes show Director of Facilities and Operations Lippman and Director of Finance and Administration Patterson as being present, when in fact, those present instead, were Brett Dingman filling in for Mr. Lippman and Joe Lillio filling in for Mr. Patterson.

With the noted corrections, Director Peterson moved to approve the consent calendar. Motion seconded by Director Renger. Motion carried unanimously.

A Monthly Investment Report as of August 31, 2014. Received and Filed

B Minutes: Regular Meeting of September 9, 2014. Approved

C List of Demands: September 23, 2014. Approved

D Southern California Water Committee Annual Meeting and Dinner- Board Member Attendance.

Authorized Board Member and attendance per diem compensation for the Southern California Water Committee Annual Meeting and Dinner in Universal City on October 23, 2014.

E WaterSmart Innovations attendance and per diem compensation for the WaterSmart Innovations 2014 Conference and Exposition in Las Vegas, Nevada from October 7 through October 10, 2014.

Authorized Board Member attendance and per diem compensation for the WaterSmart Innovations 2014 Conference and Exposition in Las Vegas, Nevada from October 7 through October 10, 2014.

5 ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Legislative and Regulatory Updates

General Manager Pedersen updated the Board on pending legislative bills including: AB2104 on the subject of Home Owners Associations (HOA's), which provided protection for property owners who replace their landscaping during and after the drought; SB992, which clarified the language on AB2100, which prohibits HOA's from assessing penalties for individuals failing to water landscaping during a declared drought; SB1036 relative to Urban Water Management Plans, which essentially encourages the inclusion of energy related information in the preparation of Urban Water Management Plans. Spoke relative to SB 1420 (Wolk), which requires the inclusion of a description and evaluation of distribution system water losses in Urban Water Management Plans.

Board President Caspary asked for clarification regarding the new requirements of AB1420 for reporting distribution systems water loss in UWMPs, he recalled that "non-revenue" water reporting was already included in Urban Water Management Plans.

B Water Supply Conditions and Drought Response.

General Manager Pedersen stated that the agenda packet contains the most recent update of Cal OES weekly drought brief. He briefed the Board on the information, conditions and water storage levels at several reservoirs.

ITEM 4A

Carlos Reyes, Director of Resource Conservation and Public Outreach provided a brief summary of related drought response activities, among these: public efforts to communicate restrictions, website updates, press releases, mass email blasts, robocalls, individualized letters, possibility of bumper stickers and updates to all local City Councils. Mr. Reyes also spoke about the implementation steps taken to date including: issuing 81 warning letters and increase in Mow-no-Mow interest. He commented that at the next Board meeting staff will be bringing information on the issue of swimming pools and the $1.00 increase for the Mow-no-Mow rebate program.

8 FINANCE AND ADMINISTRATION

A General Liability and Property Insurance Renewal.

Approve the General Liability and Property Insurance proposal by Tolman & Wiker Insurance Services, LLC in the amount of $724,413.80 for the term of October 1, 2014, through October 1, 2015m, and authorize the General Manager to execute related contracts and forms.

General Manager Pedersen stated that this is the time of the year for the District's General Liability Insurance Renewal.

Jeff Dodds, Insurance Broker with Tolman & Wiker Insurance Services addressed the Board on the proposal and answered the Board's questions relative to claim history, deductible stop loss, structure, pricing and the timeliness of the information being presented.

Director Renger move to approve as presented. Motion seconded by Director Peterson. Motion carried unanimously.

6 TREASURER

Director Polan stated that he had reviewed all invoices and found everything in order. He commented on the amount of the check written to the Las Virgenes Unified School District in the amount of $107,000 for the educational partnership.

7 FACILITIES AND OPERATIONS

A 16-Inch Potable Water Main Break: Declaration of Emergency and Ratification of Purchase Order.

Declare the 16-inch potable water main break of August 21, 2014 at Calabasas Golf Course an emergency requiring immediate action without delay and ratify the General Manager's authorization of a purchase order in the amount of $26,395.21 to Toro Enterprises for repair of the pipeline.

B 4-Inch Recycled Water Main Break: Declaration of Emergency and Ratification of Purchase Order.

Declare the 4-inch recycled water main break of August 19, 2014 on Park Granada in Calabasas an emergency requiring immediate action without delay and ratify the General Manager's authorization of a purchase order in the amount of $25,380 to S & S Paving.

C 8-Inch Sludge Force Main Failure: Declaration of Emergency and Authorization to Procure Good and Services.

Declare the 8-inch sludge force main failure of September 11, 2014 an emergency requiring immediate action without delay and authorize the General Manager to procure goods and services necessary to respond to the emergency, in an amount not to exceed $75,000, without formal bids, informal bids or requests for proposals. ITEM 4A

David Lippman, Director of Facilities and Operations presented a detailed and technical report on these three items and answered questions from the Board relative to the reasons for the failures on these components.

Director Peterson moved to approve staff's recommendations on these three items. Director Polan seconded the motion. Motion carried unanimously.

D Odor Control Scrubber Carbon Replacement: Authorization of Purchase Order

Authorize the General Manager to issue a purchase order in the amount of $35,615.62 to Prominent Systems, Inc., for carbon tower media replacement at the Tapia Water Reclamation Facility.

General Manager Pedersen explained why there is a need to replace the carbon scrubber media.

Director Polan inquired about the amount included for carbon replacement in the adopted FY 2014-15 budget.

Motion by Director Peterson to approve as presented. Motion seconded by Director Renger. Motion carried unanimously.

E Headquarters Bulding No. 8 Air Conditioning Unit Replacement: Call for Bids.

Authorize a Call for Bids for the Headquarters Building No. 8 Air Conditioning Replacement Project in accordance with the project specifications and proposed bid schedule.

General Manager Pedersen stated that the chiller and air conditioning unit in the present building has reached its life expectancy and it needs to be replaced.

Larry Miller, Facilities Manager further explained the reason the chiller plant and air conditioning units need immediate replacement; spoke of electricity usage, advantages and disadvantages of thermal energy storage (TES); explained a simplified chiller water system; ice storage tanks; and when the existing equipment was installed, which was in 1994.

Director Peterson moved to approve as presented. Motion seconded by Director Renger. Motion carried unanimously.

9 INFORMATION ITEMS

A Backbone Improvements Program 5-Million-Gallon Tank: Change Order No. 3

B Claim by Howard Tenenbaum

C Utility Branding Networks: Bi-Annual Branding and Rates Workshop.

There were no questions from the Board on these items. Board President Caspary asked for a brief recap of item 9C regarding the utility branding network.

General Manager Pedersen commented that he had attended this workshop on August 28; spoke about the goals of the Utility Branding Network and its principles; that there are only a small group of water agencies participating or engaging in this type of effort; commented that the workshop structure was in the form of representative case studies from different agencies on their approach to utility branding and how they go about implementing utility branding, which is based on an agency's unique and specific needs.

ITEM 4A

Mr. Pedersen commented that any such effort begins with an inward organizational focus, and it is not about advertising or marketing, but about looking within an organization, looking at the organizational mission and the principles that are important to the organization as well as getting the policy-makers helping to craft the future direction and vision for the organization. Mr. Pedersen stated that essentially this effort helps build value and trust with the customers.

Following Mr. Pedersen's presentation, there were comments and questions from the Board about standards, the relationship between branding and public relations and being more responsive to the rate-payers.

Board President Caspary suggested that staff consider this topic in conjunction with the normal District Strategic Planning effort that occurs in the first quarter of 2015 and that the use of a facilitator could be beneficial.

10 NON-ACTION ITEMS

A Organization Reports

(1) MWD

Director Peterson reported on the tour of the Sweet Canyon, spoke about the farming related issues in the Delta, and several presentations held at MWD including the goals of the Stewardship Council; commented on the issue of contracts and water rights and the cost of water transfers.

(2) Other

None

B Director's Reports on Outside Meetings

Director Polan reported on having attended the AWA event at the Reagan Library where there was a presentation by Michael Fagan, who spoke about historical sea levels and water related issues from a historical perspective.

Director Renger also spoke about having attended the AWA Dinner at the Reagan Library and commented on the issue of climate change.

C General Manager Reports

(1) General Business

General Manager Pedersen commented that water demands are down in the system, which are the result of some of the actions taken in response to the drought conditions; spoke about the events on the community calendar including the Reyes Adobe Days and the Calabasas Pumpkin Festival; spoke about the upcoming events such as the ACWA Regions 8, 9, and 10 event being coordinated by Director Steinhardt, the Southern California Water Committee Dinner to be held on October 23 and the ACWA Fall Conference, which will be held in December.

(2) Follow-Up Items

Stated that the items on the follow-up list will be addressed timely with most of them being completed soon.

ITEM 4A

D Director's Comments

Director Polan thanked General Manager Pedersen for putting the upcoming Water Summit event in Las Vegas on the agenda. The event is of interest to him because it relates to conservation efforts and other important and relevant water topics.

11 FUTURE AGENDA ITEMS

None

12 PUBLIC COMMENTS

None.

13 CLOSED SESSION

District Counsel Lemieux stated that he had nothing to discuss in closed session. Board President Caspary indicated that the only item for closed session discussion was the labor negotiations item. The Board recessed to closed session at **6:47 p.m**. and reconvened to open session at **7:48 p.m.**

A Conference with Labor Negotiator. Pursuant to Government Code Section 54957.6:

Agency Designated Representative: David W. Pedersen, General Manager; Donald Patterson, Director of Finance and Administration; Sherri Paniagua, Human Resources Manager; Peter Brown, Liebert Cassidy Whitmore.

Employee Organization(s): General and Office Units Represented by Service Employees International Union (SEIU), Local 721

B Conference with District Counsel. Existing Litigation. Pursuant to Government Code Section 54956.9 (a)

1. San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.
2. Las Virgenes- Triunfo Joint Powers Authority v. United States Environmental Protection Agency and Heal the Bay, Inc. v. Lisa P. Jackson.

14 OPEN SESSION AND ADJOURNMENT

Special Counsel, Peter Brown, with Liebert Cassidy Whitmore reported that the Board had met in closed session to address the item related to labor negotiations, direction was given to staff, and no reportable action was taken.

Seeing no further business to come before the Board, the meeting was duly adjourned at **7:48 p.m.**

ITEM 4A

CHARLES CASPARY, President
Board of Directors
Las Virgenes Municipal Water District

ATTEST:

BARRY STEINHARDT, Secretary
Board of Directors
Las Virgenes Municipal Water District

(SEAL)

To: Payroll

From: Daryl A. Betancur, Clerk of the Board

Subject: Per Diem Request for September, 2014

Date: October 14, Meeting

Attached are the director statements of attendance for meetings, conferences and miscellaneous functions, which are summarized in the table below. If you have any questions please contact Daryl Betancur, Clerk of the Board.

At the meeting of 02/26/2008 the Board voted 5-0 to amend the daily per diem to:

- $200.00 effective February 27, 2008
- January 26, 2010 during the annual review of compensation, the Board opted for the per diem to remain at $200 and requested a per diem survey be completed along with the next employee compensation study.

Name	Meeting Attendance	Rate	Total
Charles Caspary	4	200.00	800.00
Glen Peterson* LVMWD – 3 MWD – 9	12	200.00	2,400.00
Leonard Polan	5	200.00	1,000.00
Lee Renger	4	200.00	800.00
Barry Steinhardt	5	200.00	1,000.00

Thank you.

Article 4, 2-2.401(a) "not exceeding a total of ten (10) days in any calendar month"

*Article 4, 2-2.401(b) MWD director "not exceeding a total of (10) days in any calendar month."

LAS VIRGENES MUNICIPAL WATER DISTRICT - PER DIEM REPORT

To: Daryl A Betancur, Clerk of the Board

Month of:

Director's Name: **Lee Renger**

division 3

The following are Las Virgenes Municipal Water District Board of Directors Meetings, Committee Meetings/Conferences I have attended:

Date(s)	Event	# of Days Claimed: Travel 1	Total	Reimbursible Expenses2 (Y/N)	Check One: MWD	LVMWD	Event Title
9-2-14	JPA		1			X	BOARD MEETING
9-9-14	LVMWD		1			X	BOARD MEETING
9-23-14	LVMWD		1			X	BOARD MEETING
9-18-14	LVMWD		1			X	AWA MEETING/PRESENTATION
	TOTAL		4				

NOTES: 1. Travel the day before and/or after an authorized meeting or seminar outside of LA, Ventura and Orange Counties may be paid in accordance with Board Policy. 2. Attach completed Statement of Account and Claim for Personally

Date Submitted: 10-7-14

Director Signature: Lee Renger

ITEM 4B

LAS VIRGENES MUNICIPAL WATER DISTRICT - PER DIEM REPORT

RECEIVED
OCT 06 2014
BY

To: Daryl A Betancur, Clerk of the Board

Director's Name: Glen Peterson

Month of: Sep-14

Division: 2

The following are Las Virgenes Municipal Water District Board of Directors Meetings, Committee Meetings/Conferences I have attended:

Date(s)	# of Days Claimed			Reimbursible Expenses[2] (Y/N)	Check One		Event Title
	Event	Travel [1]	Total		MWD	LVMWD	
9/2/14	1		1	n/a		x X	JPA MEETING OAK PARK
9/5/14	1		1	n/a	X	x	NORTHERN CAUCUS
9/8/14	1		1	n/a	X	x	COMMITTEE
9/9/14	1		1	n/a		x X	BOARDS
9/10/14	1		1	n/a	X	x	Colorado River Board of California
9/[illegible]/14	1		1	n/a	X	x	E & D INSPECTION TRIP
9/17/14	1		1		X		PRE- BOARD DELTA MEETING
9/18/14	1		1		X		meeting with PVID Sacramento
9/20/2014-9/22/20014	3		3		X		MWD/W TOUR
9/23/14	1		1			X	COMMITTEE & BOARD
		TOTAL	12				

OKT

NOTES: **1.** Travel the day before and/or after an authorized meeting or seminar outside of LA, Ventura and Orange Counties may be paid in accordance with Board Policy. **2.** Attach completed Statement of Account and Claim for Personally Incurred Expenses form.

Date Submitted: 10 /2014

Director Signature:

LAS VIRGENES MUNICIPAL WATER DISTRICT - PER DIEM REPORT

To: Daryl A Betancur, Clerk of the Board

Director's Name: Barry S. Steinhardt

Month of: September

Division: 5

RECEIVED
OCT 02 2014
BY

The following are Las Virgenes Municipal Water District Board of Directors Meetings, Committee Meetings/Conferences I have attended:

Date(s)	# of Days Claimed			Reimbursible Expenses[2] (Y/N)	Check One		Event Title
	Event	Travel [1]	Total		MWD	LVMWD	
2-Sep	1		1	n		x	JPA Board meeting
3-Sep	1		1	n		x	ACWA region 8 Board meeting
9-Sep	1		1	n		x	LVMWD Board meeting
9-Sep	1		0	n		x	ACWA region 8,9,10 planning meeting
18-Sep	1		1	n		x	AWA meeting
23-Sep	1		1	n		x	LVMWD Board meeting
		TOTAL	5				

OK

NOTES: 1. Travel the day before and/or after an authorized meeting or seminar outside of LA, Ventura and Orange Counties may be paid in accordance with Board Policy. **2.** Attach completed Statement of Account and Claim for Personally Incurred Expenses form.

Date Submitted: 10/2/2014

Director Signature:

ITEM 8B

LAS VIRGENES MUNICIPAL WATER DISTRICT - PER DIEM REPORT

RECEIVED
OCT 06 2014
BY:

To: Daryl A Betancur, Clerk of the Board

Director's Name: Leonard Polan

Month of: Sep-14

Division: #4

The following are Las Virgenes Municipal Water District Board of Directors Meetings, Committee Meetings/Conferences I have attended:

OK

Date(s)	# of Days Claimed			Reimbursible Expenses[2] (Y/N)	Check One		Event Title
	Event	Travel [1]	Total		MWD	LVMWD	
9/2/14	1	----	1	----		Y	JPA Board Meeting
9/9/14	1	----	1	----		Y	LVMWD BOARD MTG
9/18/14	1	----	1	----		Y	VC AWA Dinner Reagan Library
9/23/14	1	----	1	----		Y	LVMWD BOARD MTG
9/16/14	1	—	1	—		Y	LVMWD FINANCE SUBCOMMITTEE/AUDITORS PD
		TOTAL	5				

DWP

NOTES: **1.** Travel the day before and/or after an authorized meeting or seminar outside of LA, Ventura and Orange Counties may be paid in accordance with Board Policy. **2.** Attach completed Statement of Account and Claim for Personally Incurred Expenses form.

Date Submitted: 10/6/14

Director Signature:

ITEM 4B

LAS VIRGENES MUNICIPAL WATER DISTRICT - PER DIEM REPORT

RECEIVED
OCT 06 2014
LV.

To: Daryl A Betancur, Clerk of the Board

Director's Name: Charles Caspary

Month of: September-14

Division: Division 1

The following are Las Virgenes Municipal Water District Board of Directors Meetings, Committee Meetings/Conferences I have attended:

Date(s)	# of Days Claimed			Reimbursible Expenses[2] (Y/N)	Check One		Event Title
	Event	Travel [1]	Total		MWD	LVMWD	
9/2/2014	1		1	N		X	LV-TSD JPA
9/9/2014	1		1	N		X	LVMWD - REGULAR BOARD MEETING
9/16/2014	1		1	N		X	LVMWD Finance Committee-meet with Auditors
9/23/2014	1		1	N		X	LVMWD - REGULAR BOARD MEETING
		TOTAL	4				

GV

ITEM 8

NOTES: **1.** Travel the day before and/or after an authorized meeting or seminar outside of LA, Ventura and Orange Counties may be paid in accordance with Board Policy. **2.** Attach completed Statement of Account and Claim for Personally Incurred Expenses form.

Date Submitted: October 6, 2014

Director Signature: Charles Caspary

LAS VIRGENES MUNICIPAL WATER DISTRICT

To: LEONARD POLAN, TREASURER

Payments for Board Meeting of : October 14, 2014

Upon certification by the Treasurer the checks and wire transfers were correct and supporting documents available, it is recommended the following demands on the various funds be approved and payments authorized.

Wells Fargo Bank A/C No. 4806-994448

Checks Nos. 67047 through 67241 were issued in the total amount of		$	1,866,359.98

Payments through wire transfers as follows:

9/30/2014	Metropolitan Water Dist.	Payment for water deliveries in the month of July 2014		2,316,164.17
		Total wires	$	2,316,164.17
		Total payments	$	4,182,524.15

(Reference is hereby to these demands on file in the District's Check Register and by this reference the same is incorporated herein and made a part hereof.)

ITEM 4C

CHECK LISTING FOR BOARD MEETING
10/14/14

Company Name	Company No.	Check No. 67047 thru 67069 09/23/14 Amount	Check No. 67070 thru 67136 09/30/14 Amount	Check No. 67137 thru 67170 10/07/14 Amount	Check No. 67171 thru 67241 10/14/14 Amount	Total
Potable Water Operations	101	45,181.52	19,194.80	32,653.81	198,087.23	295,117.36
Recycled Water Operations	102					0.00
Sanitation Operations	130	170.00	82.54	3,259.58	500.00	4,012.12
Potable Water Construction	201					0.00
Water Conservation Construction	203					0.00
Sani- Construction	230					0.00
Potable Water Replacement	301	6,165.00	660.00		57,144.12	63,969.12
Reclaimed Water Replace	302					0.00
Sanitation Replacement	330					0.00
Internal Service	701	70,331.90	73,974.13	32,394.22	541,277.23	717,977.48
JPA Operations	751	25,490.70	54,121.45	43,507.59	267,548.20	390,667.94
JPA Construction	752					0.00
JPA Replacement	754		2,462.40		392,153.56	394,615.96
	Total Printed	**147,339.12**	**150,495.32**	**111,815.20**	**1,456,710.34**	**1,866,359.98**
Voided Checks/payment stopped:						
	101					
	Total Voids	**0.00**	**0.00**	**0.00**		**0.00**
	Net Total	**147,339.12**	**150,495.32**	**111,815.20**		**1,866,359.98**

ITEM 4C

MWD
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
700 North Alameda Street
Los Angeles, CA, 90012-2944

INVOICE

Billed To:

Las Virgenes Municipal Water District

Service Address

4232 Las Virgenes Road
Calabasas, CA 91302

July 2014	Page No. 1 of 1
Mailed: 08/08/2014	Due Date: 09/30/2014
Invoice Number: 8091	Revision: 0

NOTICE

The MWD Administrative Code Section 4507 and 4508 require that payment must be made in "Good Funds" by the due date or the payment will be considered delinquent and an additional charge shall be assessed.

DELIVERIES	Volume (AF)
Total Water Treated Delivered	1,662.3

SALES	Type	Volume (AF)	Rate ($ /AF)	Total ($)
Full Service	Tier 1 Supply Rate	2,408.8	$148.00	$356,502.40
	System Access Rate	2,408.8	$243.00	$585,338.40
	Water Stewardship Rate	2,408.8	$41.00	$98,760.80
	System Power Rate	2,408.8	$161.00	$387,816.80
	Treatment Surcharge	2,408.8	$297.00	$715,413.60
	SUBTOTAL			$2,143,832.00

OTHER CHARGES AND CREDITS	Rate ($ /AF)	
Readiness To Serve Charge(Payment Schedule: M)		$140,870.50
Capacity Charge(Payment Schedule: M)		$31,461.67
SUBTOTAL		$172,332.17

ADDITIONAL INFORMATION	Volume (AF)	Tier1 %	Peak Day	Flow (CFS)
Purchase Order Commitment (Jan 2003 to Dec 2014)	164,524.0			
Purchase Order Firm Delivery To Date (Jan 2003 to Dec 2014)	263,908.6			
Tier 1 Annual Limit (For Current Calendar Year)	20,699.0			
Tier 1 YTD Deliveries (For Current Calendar Year)	14,326.0	69.2		
Tier 1 Current Month Deliveries	2,408.8			
Capacity Charge			8/27/2010	43.9

INVOICE TOTAL	Volume AF	Amount Now Due
	2,408.8	$2,316,164.17

Note: Amount Due is based on highlighted fields

Approved for Payment
David R. Lippman 8/12/14

Approved for Payment
David W. Pedersen, P.E. 08/13/14

PAID
Wired @ 9/30/14
SC

ITEM 4C

Batch Number - 233408

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
67047	09/23/14	18654	AT&T TELECONFERENCE SERVICES	CONF CALL@ 7/24/14	PV	134852	001	00751	.23	49329297/0801 14
				CONF CALL@ 8/19/14	PV	134853	001	00101	79.92	49329297/0901 14
				Payment Amount					80.15	
67048	09/23/14	2407	ATLAS TOWING	TOW-VEH#858 9/4/14	PV	134854	001	00701	85.00	49464
				TOW-VEH#896 9/8/14	PV	134855	001	00701	153.00	49507
				Payment Amount					238.00	
67049	09/23/14	19209	DARYL BETANCUR	REIMB EXP-PRO DEV SRS '14 8/20	PV	134873	001	00701	65.07	082214
				REIMB EXP-LEAG OF CA CTIES CNF	PV	134874	001	00701	33.61	090514
				Payment Amount					98.68	
67050	09/23/14	2487	CALABASAS CHAMBER OF COMMERCE	4X8 AD 6/18~8/18/14	PV	134851	001	00101	750.00	82114
				Payment Amount					750.00	
67051	09/23/14	2541	CITY OF WESTLAKE VILLAGE	PERMIT#14/15-031	PV	134849	001	00101	195.00	14/15-031
				PERMIT#14/15-032	PV	134850	001	00101	195.00	14/15-032
				Payment Amount					390.00	
67052	09/23/14	19270	COMMUNICATION S RELAY, LLC	SITE RNTL-10/14	PV	134856	001	00701	900.00	55108
				Payment Amount					900.00	
67053	09/23/14	4971	FUGRO CONSULTANTS, INC.	COOPER V.CPEOA 7/25~8/21/14	PV	134877	001	00701	322.50	04.62120105-7
		Alt Payee	6803 FUGRO CONSULTANTS, INC. P. O. BOX 301083 DALLAS TX 75303-1083							
				Payment Amount					322.50	
67054	09/23/14	2611	LA DWP	RECTIFIER 8/12~9/11/14	PV	134871	001	00101	40.97	017698/091214

ITEM 4C

Batch Number - 233408

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				RECTIFIER	PV	134895	001	00101	36.42	503850/091514
				8/14~9/15/14						
				Payment Amount					77.39	
67055	09/23/14	2789	LIEBERT CASSIDY WHITMORE	SVC P/E 3/31/14 RE-GENERAL	PV	134868	001	00701	60.00	178646
				Payment Amount					60.00	
67056	09/23/14	11933	MALIBU CANYON DEVELOPMENT	REIMB MAIN EXT-STOKES CYN	PV	134867	001	00701	19,034.38	4455-027-039
				Payment Amount					19,034.38	
67057	09/23/14	2302	OFFICE DEPOT	BINDERS	PV	134891	001	00701	198.95	727379565001
				MISC SUPPLIES-HQ	PV	134892	001	00701	129.34	727384774001
				LENSE CLEANR-HQ MAILRM	PV	134893	001	00701	13.48	727385197001
				TONER CARTRIDGES	PV	134894	001	00701	2,330.34	727386044001
				PAPER-HQ	PV	134896	001	00701	403.56	727843094001
				Payment Amount					3,075.67	
67058	09/23/14	12206	PETRO-DIAMOND INCORPORATED	4,930 GAL ULS DIESEL	PV	134901	001	00701	17,153.15	14-18995
		Alt Payee 13331	PETRO-DIAMOND INCORPORATED 1100 MAIN STREET IRVINE CA 92614							
				Payment Amount					17,153.15	
67059	09/23/14	19133	PINNACLE PETROLEUM, INC.	7,908 GAL 87 OCTANE GAS	PV	134869	001	00701	26,849.32	103042
				Payment Amount					26,849.32	
67060	09/23/14	18821	LEONARD POLAN	HOTEL DEPOSIT-CASA CNF 8/20~22	PV	134875	001	00701	219.82	082214-B
				Payment Amount					219.82	
67061	09/23/14	2920	S & S PAVING	ASPHALT RPRS@PK GRANADA	PV	134890	001	00701	25,380.00	20142
				Payment Amount					25,380.00	
67062	09/23/14	16271	SPOK, INC.	PAGER SRV	PV	134872	001	00701	142.19	X0143084I

ITEM C

Batch Number - 233408

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				9/10~10/10/14						
				PAGER SRV	PV	134872	002	00701	69.77	X0143084I
				9/10~10/10/14						
				PAGER SRV	PV	134872	003	00701	40.70	X0143084I
				9/10~10/10/14						
				PAGER SRV	PV	134872	004	00701	40.70	X0143084I
				9/10~10/10/14						
				Payment Amount					293.36	
67063	09/23/14	17645	TORO ENTERPRISES INC.	RPR 16" MAIN@CLBS GOLF COURSE	PV	134888	001	00701	26,395.21	8747
				RPR 8" MAIN@LONG VALLEY RD	PV	134889	001	00701	17,094.00	8744 REV
				Payment Amount					43,489.21	
67064	09/23/14	3429	UNITED PARCEL SERVICE	SRV 8/16~9/13/14	PV	134878	001	00701	210.34	000025W020374 /2014
				Payment Amount					210.34	
67065	09/23/14	2780	VALLEY NEWS GROUP	AD ABOUT WTR 9/11/14	PV	134879	001	00101	300.00	9-11
				Payment Amount					300.00	
67066	09/23/14	18923	VAULT ACCESS SOLUTIONS	VAULT LID-SPACE ID#541	PV	134870	001	00701	6,165.00	44
				Payment Amount					6,165.00	
67067	09/23/14	3026	VENTURA COUNTY STAR	AD-ENGR POSITION 7/27/14	PV	134848	001	00701	422.15	1118902
				Payment Amount					422.15	
67068	09/23/14	3048	WEST COAST AIR CONDITIONING	A/C PM@BLDG#7	PV	134880	001	00701	265.00	S59833
				A/C PM@CORNELL P/S	PV	134881	001	00701	50.00	S59895
				A/C PM@BLDG#2	PV	134882	001	00701	30.00	S59880
				A/C PM@WLK	PV	134883	001	00701	45.00	S59889
				A/C PM@BLDG#8	PV	134884	001	00701	650.00	S59832
				A/C PM@BLDG#7&8	PV	134885	001	00701	395.00	S60349
				A/C PM@L/S#1	PV	134886	001	00701	108.00	S59882

ITEM 4C

Batch Number - 233408

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				A/C PM@LJS#2	PV	134887	001	00701	62.00	S59883
				Payment Amount				1,605.00		
67069	09/23/14	8510	WORK BOOT WAREHOUSE	PRTCTV FOOTWR-J.MERE DITH	PV	134847	001	00701	225.00	91456
				Payment Amount				225.00		
				Total Amount of Payments Written				147,339.12		
				Total Number of Payments Written			23			

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
67070	09/30/14	18965	ePOWER NETWORK, INC.	SCADA UPS@OAK PARK	PV	135033	001	00701	851.62	23080
				SCADA UPS@OAK PARK	PV	135033	002	00701	35.00	23080
				SVR RK UPS@BLDG#8	PV	135034	001	00701	2,272.73	23079
				SVR RK UPS@BLDG#8	PV	135034	002	00701	42.50	23079
				Payment Amount				3,201.85		
67071	09/30/14	16051	ACCURATE TELECOM INC.	50% DEP-66 MITEL PHONES/LCS	PV	135023	001	00701	11,648.98	Q3267-DEP
				Payment Amount				11,648.98		
67072	09/30/14	2317	ACORN NEWSPAPER	AD-M-0488/ORD 274	PV	134972	001	00701	51.00	M-0488/ORD274
				Payment Amount				51.00		
67073	09/30/14	3077	AIRGAS USA, LLC	8/14 CYLINDER RNTL	PV	135045	001	00701	716.43	9921093592
				3 GAL COOLER W/SPGT	PV	135079	001	00701	34.17	9030802467
		Alt Payee	6658 AIRGAS USA, LLC P. O. BOX 7423 PASADENA CA 91109-7423							
				Payment Amount				750.60		
67074	09/30/14	2869	AT&T	SRV 9/7~10/6/14	PV	134857	001	00101	64.25	0123/090714
				SRV 9/7~10/6/14	PV	134858	001	00101	31.65	0124/090714
				SRV 9/7~10/6/14	PV	134859	001	00701	81.55	7721/090714
				SRV 9/7~10/6/14	PV	134860	001	00701	111.88	7720/090714
				SRV 9/7~10/6/14	PV	134861	001	00701	111.88	7719/090714
				SRV 9/7~10/6/14	PV	134862	001	00101	192.35	2045/090714
				SRV 9/7~10/6/14	PV	134863	001	00101	388.59	2043/090714
				SRV	PV	134979	001	00701	60.80	4639/091414

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				9/14~10/13/14						
				SRV	PV	134980	001	00751	60.80	4860/091414
				9/14~10/13/14						
				Payment Amount					1,103.75	
67075	09/30/14	2407	ATLAS TOWING	TOW VEH#804	PV	135047	001	00701	133.00	49597
				9/18/14						
				Payment Amount					133.00	
67076	09/30/14	7770	AUTOMATIONDIR	24VDC	PV	135026	001	00701	301.00	5585178
			ECT.COM	RELAY&BASE						
				RETURN 4	PD	135027	001	00751	328.00-	5606845
				PRSSR SWTCHS						
				DIGR LCB100	PV	135028	001	00701	604.50	5491373
				CABN RPR						
				Payment Amount					577.50	
67077	09/30/14	8782	AW DIRECT	VEH#817-STROB	PV	135013	001	00701	360.78	1020281421
			INC.	E KIT						
				VEH#817-STROB	PV	135013	002	00701	9.46	1020281421
				E KIT						
				Payment Amount					370.24	
67078	09/30/14	7965	B&B PALLET	55 YDS WOOD	PV	134840	001	00701	638.00	112171
			CO.	CHIPS						
				55 YDS WOOD	PV	134841	001	00701	638.00	112172
				CHIPS						
				55 YDS WOOD	PV	134842	001	00701	638.00	112173
				CHIPS						
				55 YDS WOOD	PV	134976	001	00701	638.00	112174
				CHIPS						
				55 YDS WOOD	PV	134977	001	00701	638.00	113340
				CHIPS						
				55 YDS WOOD	PV	134978	001	00701	638.00	113341
				CHIPS						
				Payment Amount					3,828.00	
67079	09/30/14	2425	BANK OF	VISA	PV	134902	001	00701	1,226.76	3071/090714
			AMERICA	CHG-F&A-AUG'1						
				4						
				VISA CHG-OPS	PV	134903	001	00701	763.49	2738/090714
				ADMN-AUG'14						
				VISA	PV	134904	001	00701	1,634.20	8185/090714
				CHG-F&A#2-AUG						
				'14						
				VISA	PV	134905	001	00701	106.30	1349/090714

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				CHG-BETANCUR-AUG'14						
				VISA CHG-R CNSV-AUG'14	PV	134906	001	00101	77.86	1270/090714
				VISA CHG-R CNSV-AUG'14	PV	134906	002	00101	50.00	1270/090714
				VISA CHG-R CNSV N1-AUG'14	PV	134907	001	00701	695.00	2775/090714
				VISA CHG-R CNSV N1-AUG'14	PV	134907	002	00701	75.00	2775/090714
				VISA CHG-R CNSV N1-AUG'14	PV	134907	003	00701	394.20	2775/090714
				VISA CHG-MAINT-AUG '14	PV	134908	001	00751	159.58	1302/090714
				VISA CHG-MAINT-AUG '14	PV	134908	002	00751	82.54	1302/090714
				VISA CHG-MAINT-AUG '14	PV	134908	003	00751	49.48	1302/090714
				VISA CHG-MAINT-AUG '14	PV	134908	004	00751	351.48	1302/090714
				VISA CHG-MAINT-AUG '14	PV	134908	005	00751	127.52	1302/090714
				VISA CHG-OPS-AUG'14	PV	134909	001	00751	91.14	8418/090714
				VISA CHG-OPS-AUG'14	PV	134909	002	00751	180.51	8418/090714
				VISA CHG-OPS-AUG'14	PV	134909	003	00751	6.20	8418/090714
				VISA CHG-OPS-AUG'1	PV	134909	004	00751	173.89	8418/090714

ITEM 4C

Batch Number - 233482

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				4						
				VISA CHG-LIPPMAN-AUG'14	PV	134910	001	00701	900.00	8243/090714
				VISA CHG-RLV-AUG'14	PV	134911	001	00751	1,585.08	8037/090714
				VISA CHG-TAPIA-AUG'14	PV	134912	001	00701	68.34	6228/090714
				VISA CHG-TAPIA-AUG'14	PV	134912	002	00701	287.09	6228/090714
				VISA CHG-WTR DIST N1-AUG'14	PV	134913	001	00701	92.49	3713/090714
				VISA CHG-WTR DIST N1-AUG'14	PV	134913	002	00701	117.27	3713/090714
				VISA CHG-WTR DIST N1-AUG'14	PV	134913	003	00701	92.49	3713/090714
				VISA CHG-WTR DIST N1-AUG'14	PV	134913	004	00701	80.00	3713/090714
				VISA CHG-WTR DIST N1-AUG'14	PV	134913	005	00701	80.00	3713/090714
				VISA CHG-WTR DIST N1-AUG'14	PV	134913	006	00701	767.50	3713/090714
				VISA CHG-WTR DIST N2-AUG'14	PV	134914	001	00101	467.33	8102/090714
				VISA CHG-PATTERSON-AUG'14	PV	134915	001	00701	1,260.00	0212/090714
				VISA CHG-PEDERSEN-AUG'14	PV	134916	001	00701	66.76	2808/090714
				VISA	PV	134917	001	00701	45.00	1020/090714

ITEM 4C

Batch Number - 233482
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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				CHG-STEINHARD T-AUG'14						
				VISA	PV	134918	001	00751	22.03	7431/090714
				CHG-WSTLK-AUG '14						
				VISA	PV	134918	002	00751	89.04	7431/090714
				CHG-WSTLK-AUG '14						
				VISA	PV	134918	003	00751	80.00	7431/090714
				CHG-WSTLK-AUG '14						
				VISA	PV	134995	001	00701	188.23	0663/090714
				CHG-PETERSON-AUG'14						
				Payment Amount					12,553.80	
67080	09/30/14	19209	DARYL BETANCUR	REIMB EXP-CITY CLERK MTG 9/18	PV	134996	001	00701	84.56	091814
				Payment Amount					84.56	
67081	09/30/14	18071	BLUE DIAMOND MATERIALS	3.01 TN PAVING MATL	PV	135021	001	00701	269.02	348820 RI
				2.51 TN PAVING MATL	PV	135022	001	00701	224.88	354999 RI
				Payment Amount					493.90	
67082	09/30/14	5224	C.E.R.T., INC.	9/18/14 TRNG-RESPRTRY & SCBA	PV	134998	001	00701	895.00	20140016
				Payment Amount					895.00	
67083	09/30/14	19307	CALAFCO	SPNSRSHP-CALAFCO 2014 CONF	PV	134951	001	00701	300.00	092314
				Payment Amount					300.00	
67084	09/30/14	18739	CALIFORNIA HAZARDOUS SERVICES, INC.	FUEL SYS INSP-SEP'14	PV	135059	001	00701	105.00	55916
				DIESEL&UNLD PUMP SVC	PV	135060	001	00701	1,034.38	55928
				Payment Amount					1,139.38	
67085	09/30/14	8004	CANON SOLUTIONS	5/27~8/26/14 MAINT/CPR	PV	135024	001	00701	237.08	4013724991

ITEM 4C

Batch Number - 233482

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
			AMERICA, INC.	USAGE						
		Alt Payee 8333	CANON SOLUTIONS AMERICA, INC. FILE 51075 LOS ANGELES CA 90074-1075							
				Payment Amount					237.08	
67086	09/30/14	2513	CAPCO ANALYTICAL SERVICES	8/14 MNTHLY DGSTR GAS TEST	PV	135025	001	00701	366.25	142111
				Payment Amount					366.25	
67087	09/30/14	18992	CDW-GOVERNMENT	PRINTER-C.PAL MA	PV	135048	001	00701	531.92	PF68814
		Alt Payee 19010	CDW GOVERNMENT 75 REMITTANCE DR., SUITE 1515 CHICAGO IL 60675-1515							
				Payment Amount					531.92	
67088	09/30/14	18860	CHEMTREAT, INC.	9/14 WTR TREATMENT	PV	135001	001	00701	562.71	1802509
				Payment Amount					562.71	
67089	09/30/14	19081	CINTAS FIRE PROTECTION	8/30 SVC CALL-1ST FLR DETECTR	PV	135058	001	00701	395.00	022D006875
				QTLY WTR FLW&TMPR TEST	PV	135064	001	00701	400.00	022D006800
				Payment Amount					795.00	
67090	09/30/14	2554	COASTLINE EQUIPMENT	VEH#847-FUEL HOSE RPR	PV	135002	001	00701	390.00	202088
				Payment Amount					390.00	
67091	09/30/14	4586	CONSOLIDATED ELECTRICAL DISTRIBUTORS	RLV AG#2 UPGRD	PV	135036	001	00701	404.92	9009-702236
				FREIGHT	PV	135036	004	00701	6.59	9009-702236
				DISCOUNT-RLV AG#2 UPGRD	PD	135037	001	00751	5.58-	9009-702236
				CABL GRIP SUPPTS	PV	135038	001	00701	123.41	9009-701885
				RLV WRKBNCH LGTG UPGRD	PV	135039	001	00701	391.83	9009-702398
				DISCOUNT-RLV WRKBNCH LGTG UPGD	PD	135040	001	00751	5.13-	9009-702398

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				Payment Amount					916.04	
67092	09/30/14	15396	CORDELL ELECTRIC	DIMMG BALLAST- BRD RM	PV	135029	001	00701	280.00	48199
				Payment Amount					280.00	
67093	09/30/14	2547	COUNTY SANITATION DISTRICTS OF LA COUNTY	8/14 RAGS/GRIT HAULING	PV	135012	001	00701	456.77	48892/083114
				Payment Amount					456.77	
67094	09/30/14	12559	DATASTREAM BUSINESS SOLUTIONS, INC.	8/14 CONSLT&SUPPRT SVC	PV	135066	001	00701	660.00	14330
				Payment Amount					660.00	
67095	09/30/14	2605	DELTA PACIFIC INDUSTRIES	LUBRNT&RTV-SH OP SUPPLIES	PV	135017	001	00701	117.04	3683
				LUBRNT&RTV-SH OP SUPPLIES	PV	135018	001	00701	379.67	3683
				Payment Amount					496.71	
67096	09/30/14	7257	DIRECTV, INC.	RLV 8/14~8/15 OFC INFO FEE	PV	134958	001	00751	587.88	23800769496
				HQ 9/14~11/15 MONTHLY FEE	PV	134959	001	00701	153.60	24008094426
				Payment Amount					741.48	
67097	09/30/14	3515	DWYER INSTRUMENTS, INC.	3 PRSSR TRANSDUCERS	PV	135010	001	00701	376.05	03821818
				FREIGHT	PV	135010	002	00701	10.15	03821818
				Payment Amount					386.20	
67098	09/30/14	18111	ELECSYS INTERNATIONAL CORPORATION	OCT'14 MAINT CHG	PV	135004	001	00701	261.00	128542
				Payment Amount					261.00	
67099	09/30/14	2658	FEDERAL EXPRESS CORP	2 PKGS DEL 9/12 & 9/17/14	PV	134957	001	00701	63.42	2-786-86340
				Payment Amount					63.42	
67100	09/30/14	2655	FERGUSON ENTERPRISES	PRESSURE REG PARTS-P/S	PV	134992	001	00701	5,096.55	0485913-1
				PRESSURE REG	PV	134993	001	00701	16,019.03	0485913

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				PARTS-P/S						
				12 MTRS, 3/4"	PV	134994	001	00701	1,545.12	0726450
				X 1" ENC						
		Alt Payee	3207 FERGUSON ENTERPRISES, INC. #1083							
			FILE 56809							
			LOS ANGELES CA 90074-6809							
				Payment Amount					22,660.70	
67101	09/30/14	4971	FUGRO CONSULTANTS, INC.	COOPER V.CPEOA 5/23~6/19/14	PV	135003	001	00701	376.25	04.62120105-6
		Alt Payee	6803 FUGRO CONSULTANTS, INC.							
			P. O. BOX 301083							
			DALLAS TX 75303-1083							
				Payment Amount					376.25	
67102	09/30/14	18890	GARLAND MFG COMPANY	TANK WEAR STRIPS&WSHRS	PV	135065	001	00701	2,208.99	0161567-IN
				Payment Amount					2,208.99	
67103	09/30/14	2691	GIERLICH-MITCHELL, INC.	TNK DR CHN-SHFT KEY,INK&CLIP	PV	135063	001	00701	1,018.94	GC 14098
		Alt Payee	8003 GIERLICH-MITCHELL, INC.							
			10533 PROGRESS WAY, SUITE A							
			CYPRESS CA 90630							
				Payment Amount					1,018.94	
67104	09/30/14	17199	GOVERNMENT STAFFING SERVICES, INC.	9/8~9/19/14 A.UMALI	PV	135011	001	00701	3,056.25	124940
				Payment Amount					3,056.25	
67105	09/30/14	2701	GRAINGER, INC.	SCRWDVRS&CUTT NG WHEELS	PV	134838	001	00701	208.63	9526627485
				(2) 1/2" PIPES, 316 SS	PV	135008	001	00701	66.82	9530996173
				1/2" PIPE&6 BRSS UNIONS	PV	135009	001	00701	173.14	9531047984
				RLV TOOLS	PV	135019	001	00751	1,128.23	9528753826
				WRENCH SETS	PV	135020	001	00751	184.18	9528753818
		Alt Payee	5453 GRAINGER, INC.							
			DEPT 805178142							

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
			PALATINE IL 60038-0001							
				Payment Amount					1,761.00	
67106	09/30/14	2705	HACH COMPANY	25 AMMONIA TEST N TUBE	PV	135006	001	00701	2,669.14	9004746
				FREIGHT	PV	135006	002	00701	79.47	9004746
				TURBIDITY CALIB STAND 2100N	PV	135007	001	00701	218.00	9007125
				CALIB MDL&SEC STND KITS	PV	135032	001	00701	1,119.43	9021090
				CALIB MDL&SEC STND KITS	PV	135032	004	00701	66.39	9021090
		Alt Payee	6442 HACH COMPANY 2207 COLLECTIONS CENTER DR CHICAGO IL 60693							
				Payment Amount					4,152.43	
67107	09/30/14	8304	IFM EFECTOR INC.	IFM PRSS SWTCHS-FEED PMP RPR	PV	135030	001	00701	1,826.84	20692876
				CONN ADPTR&CBL-FEED PMP RPR	PV	135031	001	00701	574.99	20690055
				Payment Amount					2,401.83	
67108	09/30/14	3083	JCI JONES CHEMICALS, INC	4,845 GAL HYPOCHLORITE	PV	134839	001	00701	2,819.64	631726
		Alt Payee	13647 JCI JONES CHEMICALS, INC P.O. BOX 636877 CINCINNATI OH 45263-6877							
				Payment Amount					2,819.64	
67109	09/30/14	18535	KEMIRA WATER SOLUTIONS, INC.	10.28 TN FERRIC CHLORIDE	PV	135005	001	00701	6,147.84	9017409940
		Alt Payee	18536 KEMIRA WATER SOLUTIONS MAIL CODE 5581, P. O. BOX 105046 ATLANTA GA 30348-5046							
				Payment Amount					6,147.84	
67110	09/30/14	18695	JOSEPH LILLIO	MILEAGE-CSMFO TRNG 9/4/14	PV	135014	001	00701	49.22	090414
				PKG/MILEAGE-C	PV	135015	001	00701	347.12	092214

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Itm	Co	Amount	Invoice Number
				SMFO PLNG 9/21~22 MILEAGE-W/C APEAL BD HRNG 9/24	PV	135016	001	00701	65.52	092414
				Payment Amount					461.86	
67111	09/30/14	3483	DAVID LIPPMAN	REIMB CELL EXP 8/4~9/3/14	PV	134949	001	00701	69.84	7898/090714
				REIMB EXP-WTREUSE SYMP 9/6~10	PV	134950	001	00701	60.18	091014
				Payment Amount					130.02	
67112	09/30/14	19261	LOGAN BIF ACQUISITION CORP LLC	OVRHL RATE OF FLW CTL	PV	134955	001	00701	5,309.00	10605
				CREDIT-OVRHL RATE OF FLW CTL	PD	134956	001	00101	4,209.00-	10609
				Payment Amount					1,100.00	
67113	09/30/14	2610	LOS ANGELES COUNTY DEPT. OF PUBLIC WORKS	7/21: L201402741 32188 MULHLND	PV	135046	001	00701	908.00	RE-PW-1409080 1488
				Payment Amount					908.00	
67114	09/30/14	2839	MOTION INDUSTRIES, INC.	FILTERED VENT ASSY	PV	134975	001	00701	122.60	CA22-582435
		Alt Payee	10317 MOTION INDUSTRIES INC. FILE 749376 LOS ANGELES CA 90074							
				Payment Amount					122.60	
67115	09/30/14	18940	MP PRINTING & MAILING	CURRENT FLOW#4-2014	PV	134938	001	00701	1,176.86	55898
				Payment Amount					1,176.86	
67116	09/30/14	2842	NAPA AUTO PARTS	VEH#873,852,1 56&STK-OIL, PLGS	PV	135042	001	00701	275.25	725902
				Payment Amount					275.25	
67117	09/30/14	18905	NATIONAL	MBRSHP DUES	PV	134931	001	00701	4,890.00	43211

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
			ASSOC. OF CLEAN WATER AGENCIES	10/14~9/15						
				Payment Amount					4,890.00	
67118	09/30/14	16754	NATURAL SURROUNDINGS	SEP'14 FLORAL MAINT	PV	134937	001	00701	235.00	6071
				Payment Amount					235.00	
67119	09/30/14	17329	ODYSSEY POWER	COOLANT RPR@WLK STNDBY GENRTR	PV	134865	001	00101	1,545.84	53402
				Payment Amount					1,545.84	
67120	09/30/14	2302	OFFICE DEPOT	DIVIDERS	PV	135067	001	00701	91.45	727352025001
				CREDIT-DIVIDERS	PD	135068	001	00701	26.16-	730161541001
				Payment Amount					65.29	
67121	09/30/14	18946	PACIFIC ADVANCED CIVIL ENGINEERING, INC.	P/E 8/31/14 RES#2 IMPRVMTS	PV	134936	001	00701	2,462.40	95954
				Payment Amount					2,462.40	
67122	09/30/14	19306	PACIFIC LIFT AND EQUIPMENT	SRV@OPS BLDG 8/29/14	PV	134952	001	00701	345.00	70825
				Payment Amount					345.00	
67123	09/30/14	2585	PURETEC	14" TANK EXCHNG SEP'14	PV	134935	001	00701	200.00	1349800
				Payment Amount					200.00	
67124	09/30/14	17174	ROTH STAFFING COMPANIES, LP	TEMP SRV W/E 9/7/14 ST	PV	134999	001	00701	587.20	13036202
				TEMP SRV W/E 9/14/14 ST	PV	135000	001	00701	734.00	13039023
				Payment Amount					1,321.20	
67125	09/30/14	3480	SIGN FACTORY	PRINTED CORO SIGNS	PV	134974	001	00701	2,660.63	13570
				Payment Amount					2,660.63	
67126	09/30/14	19093	SOLARCITY CORPORATION	RW P/S 8/1~8/31/14	PV	134953	001	00751	25,390.78	9133440-00-00 7
				Payment Amount					25,390.78	
67127	09/30/14	8645	SOUTHERN CALIFORNIA TROPHY	ANNIV GIFT-T.GARMIN	PV	134866	001	00701	47.12	090145-14

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
			COMPANY							
				Payment Amount					47.12	
67128	09/30/14	14479	STEPHEN'S VIDEO PRODUCTIONS	9/9&9/23 BRD MTG RCRDG	PV	135043	001	00701	1,090.00	9-24-14
				Payment Amount					1,090.00	
67129	09/30/14	19002	HOWARD TENENBAUM	CLAIM PMT-BRKN WTR MTR	PV	134997	001	00101	365.00	063014/CLAIM
				Payment Amount					365.00	
67130	09/30/14	4595	THE COPY DEPARTMENT	10 CDS FOR SCADA PRJCT	PV	135061	001	00701	24.53	1484915
				10 BID PKG-SCADA PRJCT	PV	135062	001	00701	992.88	1484914
				Payment Amount					1,017.41	
67131	09/30/14	19087	TOM ASH & ASSOCIATES	ADVISEMNT SVC JUN-AUG'14	PV	134864	001	00701	2,700.00	090714
				Payment Amount					2,700.00	
67132	09/30/14	16222	UNDERWOOD LANDSCAPE	ANNL WEED ABTMT@LV RES	PV	135035	001	00701	8,448.00	2436
				Payment Amount					8,448.00	
67133	09/30/14	18604	VENTURA PEST CONTROL	SEP'14 PEST CNTRL	PV	135044	001	00701	110.00	431572
				SEP'14 PEST CNTRL	PV	135044	003	00701	380.00	431572
				SEP'14 PEST CNTRL	PV	135044	010	00701	195.00	431572
				Payment Amount					685.00	
67134	09/30/14	3034	VORTEX INDUSTRIES	INFLUENT BLDG HTCH RPR@TAPIA	PV	134954	001	00701	1,155.17	01-860654-1
				Payment Amount					1,155.17	
67135	09/30/14	2729	VULCAN MATERIALS CO.	14.55 TN HOT MIX ASPHALT	PV	134939	001	00701	453.34	70501991
		Alt Payee	6457	VULCAN MATERIALS COMPANY FILE 55572 LOS ANGELES CA 90074-5572						
				Payment Amount					453.34	
67136	09/30/14	3035	VWR	PRFRTD SHLF	PV	134932	001	00701	154.78	8058568405

ITEM 4C

Batch Number - 233482

Bank Account - 00146807 Cash-General

. . . Payment . . . Number	Date	Address Number	Name	Payment Stub Message	. . . Document . . . Ty	Number	Key Itm	Co	Amount	Invoice Number
			SCIENTIFIC	W/2 SPPRTS						
				FREIGHT	PV	134932	002	00701	19.75	8058568405
				CREDIT-PRFRTD	PD	134933	001	00751	20.52-	8058928045
				SHLF W/2						
				SPPRTS						
				BGB MEDIA	PV	134934	001	00701	194.94	8058885915
				500G						
				FREIGHT	PV	134934	002	00701	14.59	8058885915
		Alt Payee	3216	VWR INTERNATIONAL, INC						
				P. O. BOX 640169						
				PITTSBURGH PA 15264-0169						

Payment Amount	363.54
Total Amount of Payments Written	150,495.32
Total Number of Payments Written	67

ITEM 4C

Batch Number - 233886

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
67137	10/07/14	18965	ePOWER NETWORK, INC.	TAPIA 8 12V BATTERIES	PV	135123	001	00701	1,656.32	23041
				Payment Amount					1,656.32	
67138	10/07/14	19077	AGOURA LUBE & SMOG	VEH#814-RPRS& TUNE UP	PV	135149	001	00701	844.77	12644
				Payment Amount					844.77	
67139	10/07/14	3077	AIRGAS USA, LLC	2 EAR MUFFS	PV	134983	001	00701	45.39	9031605606
				EARPLGS, RK COOLR&GLVS	PV	134984	001	00701	179.56	9031560028
		Alt Payee	6658 AIRGAS USA, LLC P. O. BOX 7423 PASADENA CA 91109-7423							
				Payment Amount					224.95	
67140	10/07/14	18160	ARC IMAGING RESOURCES	2 PLOTTER CARTRIDGES	PV	134981	001	00701	159.92	791006
				PLOTTER CARTRIDGE	PV	134982	001	00701	80.96	790738
				Payment Amount					240.88	
67141	10/07/14	19264	ARNOLD LAROCHELLE MATHEWS VANCONAS &	SRV-JPA BRD MTG 7/7/14	PV	135152	001	00751	308.00	41867
				SRV-JPA MTG&AGENDA P/E 7/28/14	PV	135153	001	00751	550.00	41868
				Payment Amount					858.00	
67142	10/07/14	2869	AT&T	SRV 9/23~10/22/14	PV	135111	001	00101	127.99	0210/092314
				SRV 9/23~10/22/14	PV	135112	001	00101	62.99	2430/092314
				SRV 9/23~10/22/14	PV	135113	001	00101	60.80	7426/092314
				SRV 9/23~10/22/14	PV	135114	001	00101	60.80	5388/092314
				SRV 9/23~10/22/14	PV	135115	001	00701	65.98	1984/092314
				SRV 9/22~10/21/14	PV	135116	001	00701	305.90	0119/092214
				SRV	PV	135117	001	00101	60.80	2150/092014

ITEM 4C

Batch Number - 233886

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				9/20~10/19/14						
				SRV	PV	135177	001	00101	59.38	0192/092514
				9/25~10/24/14						
				Payment Amount					804.64	
67143	10/07/14	9631	AT&T LONG DISTANCE	LONG DIST SRV 7/31~8/29/14	PV	134930	001	00701	213.54	806368136/090 414
				LONG DIST SRV 7/31~8/29/14	PV	134930	002	00701	1.03	806368136/090 414
				LONG DIST SRV 7/31~8/29/14	PV	134930	003	00701	.29	806368136/090 414
				LONG DIST SRV 7/31~8/29/14	PV	134930	004	00701	17.44	806368136/090 414
				LONG DIST SRV 7/31~8/29/14	PV	134930	005	00701	.11	806368136/090 414
				LONG DIST SRV 7/31~8/29/14	PV	134930	006	00701	16.37	806368136/090 414
				LONG DIST SRV 7/31~8/29/14	PV	134930	007	00701	16.78	806368136/090 414
				Payment Amount					265.56	
67144	10/07/14	2407	ATLAS TOWING	TOW VEH#806 9/12/14	PV	135049	001	00701	85.00	49532
				TOW VEH#824 9/18/14	PV	135050	001	00701	141.00	49595
				Payment Amount					226.00	
67145	10/07/14	7965	B&B PALLET CO.	55 YDS WOOD CHIPS	PV	134967	001	00701	638.00	113342
				55 YDS WOOD CHIPS	PV	134969	001	00701	638.00	113343
				55 YDS WOOD CHIPS	PV	134970	001	00701	638.00	113344
				55 YDS WOOD CHIPS	PV	134971	001	00701	638.00	113345
				Payment Amount					2,552.00	
67146	10/07/14	18992	CDW-GOVERNMENT	PRINTER-CLJ PRO 400	PV	135167	001	00701	531.92	PN13150
		Alt Payee	19010	CDW GOVERNMENT 75 REMITTANCE DR., SUITE 1515 CHICAGO IL 60675-1515						
				Payment Amount					531.92	
67147	10/07/14	2534	CITY OF	REFD UNUSED	PV	120565	001	00701	127.92	C0381550

ITEM 4C

Batch Number - 233886

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
			CALABASAS	PREPD DEPOSIT INTEREST	PV	120566	001	00701	.15	C0381550/INT
				Payment Amount					128.07	
67148	10/07/14	8990	DON WOLF & ASSOCIATES, INC.	ALARM PNL CNTLR-INF WET WELL	PV	135054	001	00701	891.04	32028
				ALARM PNL CNTLR-INF WET WELL	PV	135054	002	00701	85.00	32028
				Payment Amount					976.04	
67149	10/07/14	19146	LOURDES FIGUEROA	MEAL/MLG-CLSF &COMP TRNG 9/8~9	PV	135150	001	00701	135.47	090914
				Payment Amount					135.47	
67150	10/07/14	6770	G.I. INDUSTRIES	8/27~9/15 SHOP BLDG DISP	PV	135055	001	00701	841.11	2701531-0283-4
				8/27~9/15 WLK-DE DISP	PV	135056	001	00701	801.43	2383943-0283-6
		Alt Payee	6771 G.I. INDUSTRIES P. O. BOX 541065 LOS ANGELES CA 90054-1065							
				Payment Amount					1,642.54	
67151	10/07/14	15755	HD SUPPLY WATERWORKS, LTD.	AIR VAC ENCLOSURES	PV	135121	001	00701	2,487.75	C884157
		Alt Payee	15948 HD SUPPLY WATERWORKS, LTD FILE #56214 LOS ANGELES CA 90074-6214							
				Payment Amount					2,487.75	
67152	10/07/14	2997	J G TUCKER & SONS	10 PRTBL GAS ALERT EQUIP	PV	135057	001	00701	5,444.55	00084776
				10 PRTBL GAS ALERT EQUIP	PV	135057	003	00701	10,011.65	00084776
				Payment Amount					15,456.20	
67153	10/07/14	3083	JCI JONES CHEMICALS, INC	4,291 GAL SODIUM BISULFITE	PV	134962	001	00701	6,264.86	632827
				4,947 GAL HYPOCHLORITE	PV	134963	001	00701	2,879.01	631976

ITEM 4C

Batch Number - 233886

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				5,008 GAL HYPOCHLORITE	PV	134964	001	00701	2,914.51	632410
				4,901 GAL HYPOCHLORITE	PV	134965	001	00701	2,852.23	632665
				4,954 GAL HYPOCHLORITE	PV	134966	001	00701	2,883.08	632846
		Alt Payee	13647	JCI JONES CHEMICALS, INC P.O. BOX 636877 CINCINNATI OH 45263-6877						
				Payment Amount					17,793.69	
67154	10/07/14	2611	LA DWP	RECTIFIER 8/22~9/23/14	PV	135080	001	00101	36.42	851260/092414
				RECTIFIER 8/21~9/22/14	PV	135081	001	00101	40.97	557160/092314
				Payment Amount					77.39	
67155	10/07/14	3352	LAS VIRGENES MUNICIPAL WATER DISTRICT	L/S#2- 7/10~9/10/14	PV	134919	001	00130	44.49	0570/091714
				L/S#1- 7/10~9/10/14	PV	134920	001	00130	46.68	1775/091714
				TAPIA 7/8~9/8/14	PV	134921	001	00751	626.83	1760/091714
				RLV 7/8~9/8/14	PV	134922	001	00751	1,365.53	2090/091714
				BLDG#1- 7/8~9/8/14	PV	134923	001	00101	417.28	2620/091714
				BLDG#8- 7/8~9/8/14	PV	134924	001	00701	432.61	2647/091714
				BLDG#8 FIRE PRTCTN 7/8~9/8/14	PV	134925	001	00701	15.00	2650/091714
				BLDG#7 FIRE PRTCTN 7/8~9/8/14	PV	134926	001	00701	15.00	2654/091714
				BLDG#7- 7/8~9/8/14	PV	134927	001	00701	851.29	2656/091714
				BLDG#2- 7/8~9/8/14	PV	134928	001	00701	1,012.09	2658/091714
				RLV FARM	PV	134929	001	00751	123.48	2080/091714

ITEM 4C

Batch Number - 233886

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				7/8~9/8/14						
				Payment Amount					4,950.28	
67156	10/07/14	19322	TONY LIPKA	CAL/OSHA SFTY TRNG-10/23 CB	PV	135178	001	00701	95.00	LVWD-1401
				Payment Amount					95.00	
67157	10/07/14	2302	OFFICE DEPOT	MISC SUPPLIES-HQ	PV	135086	001	00701	117.60	730167861001
				RETURN-RUBBERBANDS	PD	135087	001	00701	5.69-	730489086001
				MISC SUPPLIES-HQ BRKRM	PV	135088	001	00701	136.86	730168940001
				TEA BAGS-HQ BRKRM	PV	135089	001	00701	-7.64	730169466001
				Payment Amount					256.41	
67158	10/07/14	8380	PERKINELMER HEALTH SCIENCES	LBWRKS SPPRT 9/14~8/15	PV	135084	001	00701	6,053.69	5303262186
				Payment Amount					6,053.69	
67159	10/07/14	19271	PUN & MCGEADY LLP	AUDIT SVC-YE 6/30/14	PV	135151	001	00701	12,500.00	2014-0133
				AUDIT SVC-YE 6/30/14	PV	135151	002	00701	2,500.00	2014-0133
				Payment Amount					15,000.00	
67160	10/07/14	19308	SALVATORE SCARPATO	RFND UNUSED PREPD DEPOSIT	PV	135109	001	00701	753.40	C3212350
				Payment Amount					753.40	
67161	10/07/14	18590	WILLIAM SHEPPHIRD	RFND UNUSED PREPD DEPOSIT	PV	135052	001	00701	134.04	R2365150
				INTEREST	PV	135053	001	00701	.40	R2365150/INT
				Payment Amount					134.44	
67162	10/07/14	19303	SO CAL LIFE GOES ON, INC.	TRNG 9/16/14-CPR/AED, FRST AID	PV	134961	001	00701	1,275.00	13159
				Payment Amount					1,275.00	
67163	10/07/14	9505	TIRE MAN AGOURA	VEH#865-NEW TIRES	PV	135118	001	00701	1,047.33	2036232
				Payment Amount					1,047.33	
67164	10/07/14	18095	TOTAL BARRICADE SERVICE, INC.	TRFC CTL@LV RD 9/11/14	PV	134985	001	00701	1,765.50	25881

ITEM 4C

Batch Number - 233886

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				Payment Amount				1,765.50		
67165	10/07/14	19316	TRAFFIC TECHNOLOGIES, LLC	25 PLASTIC BARRICADES	PV	135122	001	00701	1,771.25	15756
				FREIGHT	PV	135122	002	00701	70.00	15756
				Payment Amount				1,841.25		
67166	10/07/14	19038	VALVE AUTOMATION & CONTROLS	U/S PMP MECH SEALS	PV	135085	001	00701	3,168.41	1543475
				Payment Amount				3,168.41		
67167	10/07/14	3023	VENCO WESTERN INC.	SHRUB RMVL@MORRISON TNK 9/8/14	PV	135154	001	00701	2,400.00	0028888-IN
				SHRUB RMVL@MORRISON TNK 9/8/14	PV	135155	001	00701	1,100.00	0028887-IN
				Payment Amount				3,500.00		
67168	10/07/14	3025	WATER & SANITATION SRV./VENTURA COUNTY	PURCH WTR 8/19~9/16/14	PV	135110	001	00101	23,044.30	946432
				Payment Amount				23,044.30		
67169	10/07/14	18914	WECK LABORATORIES, INC.	LAB SRV@FAST WTR CT	PV	134985	001	00701	318.00	W4I0708-LV
				LAB SRV@HAA5 DIST SYSTM	PV	134987	001	00701	440.00	W4I0707-LV
				LAB SRV@TAPIA EFFL P/S	PV	134988	001	00701	45.00	W4I0705-LV
				LAB SRV@TTHM/HAA5 DIST SYSTM	PV	134989	001	00701	320.00	W4I0682-LV
				LAB SRV@TAPIA EFFL P/S	PV	134990	001	00701	270.00	W4I0770-LV
				LAB SRV@RLV GRNDWTR	PV	134991	001	00701	546.00	W4I0829-LV
				Payment Amount				1,939.00		
67170	10/07/14	18640	WEST COAST POWER SOLUTIONS	ADJST TMP-VAV#6@BLDG#8	PV	134960	001	00701	89.00	S4148
				Payment Amount				89.00		

ITEM 4C

Batch Number - 233886

Bank Account - 00146807 Cash-General

. . . Payment . . . Number	Date	Address Number	Name	Payment Stub Message	. . . Document . . . Ty	Number	Key Itm	Co	Amount	Invoice Number
				Total Amount of Payments Written					111,815.20	
				Total Number of Payments Written			34			

ITEM 4C

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
67171	10/14/14	19269	ACC BUSINESS	INTERNET 8/11~9/10/14	PV	135129	001	00701	960.56	142556508
				Payment Amount					960.56	
67172	10/14/14	19316	CHRIS ADAMS	TURF RMVL REBATE	PV	135126	001	00101	2,012.00	540194
				Payment Amount					2,012.00	
67173	10/14/14	17077	AECOM USA, INC.	8/2~8/29/14 5MG TNK CNST MGMT	PV	135147	001	00701	33,952.66	37474780
				8/2~8/29/14 5MG TNK CNST SVC	PV	135148	001	00701	4,589.55	37474781
				Payment Amount					38,542.21	
67174	10/14/14	19300	AMCAL INVESTMENT FUND LP	RFND O/P BAL-OPEN A/C	PV	134945	001	00101	4,940.49	052723
				Payment Amount					4,940.49	
67175	10/14/14	2387	AMERRAY HYDRAULICS CORP	NIPPLES & ELBOWS	PV	135098	001	00701	856.36	40791
				Payment Amount					856.36	
67176	10/14/14	5625	ASSOC. OF WATER AGENCIES OF VENTURA CO	9/24 CCWUC LNCHN-4 EE	PV	135223	001	00701	100.00	05-8002
				Payment Amount					100.00	
67177	10/14/14	7965	B&B PALLET CO.	55 YDS WOOD CHIPS	PV	135161	001	00701	638.00	113346
				55 YDS WOOD CHIPS	PV	135162	001	00701	638.00	113347
				55 YDS WOOD CHIPS	PV	135163	001	00701	638.00	113348
				55 YDS WOOD CHIPS	PV	135164	001	00701	638.00	113349
				55 YDS WOOD CHIPS	PV	135165	001	00701	638.00	112291
				Payment Amount					3,190.00	
67178	10/14/14	19304	MICHELLE BAMFORD	RFND O/P BAL-OPEN A/C	PV	134944	001	00101	563.77	372822
				Payment Amount					563.77	
67179	10/14/14	18971	BDP	AGITATOR SS	PV	135092	001	00701	6,591.77	6656

ITEM 4C

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount		Invoice Number
			INDUSTRIES INC.	APRONS							
				Payment Amount					6,591.77		
67180	10/14/14	19309	LEE BERMAN	TURF RMVL REBATE	PV	135103	001	00101		1,584.00	3070360
				Payment Amount					1,584.00		
67181	10/14/14	3665	BERRY GENERAL ENGINEERING CON	RFND BAL - CLOSED A/C	PV	134943	001	00101		1,322.21	9998107
				Payment Amount					1,322.21		
67182	10/14/14	18739	CALIFORNIA HAZARDOUS SERVICES, INC.	CET SUBBED-DIESEL PUMP	PV	135224	001	00701		397.68	55996
				Payment Amount					397.68		
67183	10/14/14	19258	CALIFORNIA SURVEY & DRAFTING SUPPLY	TRIMBLE GPS 7X HNDHLD	PV	135230	001	00701		8,820.90	15610/1
				Payment Amount					8,820.90		
67184	10/14/14	5405	CALOLYMPIC SAFETY	100 DUST MASKS	PV	135228	001	00701		475.47	333135
				Payment Amount					475.47		
67185	10/14/14	19010	CDW GOVERNMENT	MICROSOFT SFTWR ASSRNCE	PV	135075	001	00701		15,169.42	PP05922
				Payment Amount					15,169.42		
67186	10/14/14	16677	CEMEX INC.	10 YD3 SLURRY-MULHD/ PRKSTH	PV	135076	001	00701		730.30	9429326859
				9 YD3 SLURRY-J.SMIT H MAIN	PV	135077	001	00701		664.90	9429354727
				Payment Amount					1,395.20		
67187	10/14/14	19317	MING CHANG	TURF RMVL REBATE	PV	135127	001	00101		7,000.00	700560
				Payment Amount					7,000.00		
67188	10/14/14	16821	CLEAN SWEEP SUPPLY CO., INC	RSTRM SUPPLIES,TWLS &RAGS	PV	135158	001	00701		3,119.92	452969
				Payment Amount					3,119.92		
67189	10/14/14	8504	COAST CRANE	RPR	PV	135091	001	00701		8,449.52	DI/056009

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
			CO.	VEH#847-CRANE HYD PUMP						
		Alt Payee	8537 COAST CRANE COMPANY DEPT. 33655 P. O. BOX 39000 SAN FRANCISCO CA 94139							
				Payment Amount					8,449.52	
67190	10/14/14	8569	CONSTRUCTION FABRICATORS, INC.	DIST CNVYR#2 SCREW	PV	135160	001	00701	12,350.00	10936
				TAX	PV	135160	002	00701	2,101.23	10936
				Payment Amount					14,451.23	
67191	10/14/14	2601	DELL COMPUTER CORP	IS LAPTOP-LATD 14 5000	PV	135159	001	00701	1,569.79	XJJPXP5X5
				TAX	PV	135159	002	00701	85.04	XJJPXP5X5
		Alt Payee	7819 DELL MARKETING LP C/O DELL USA L.P. P.O. BOX 910916 PASADENA CA 91110-0916							
				Payment Amount					1,654.83	
67192	10/14/14	3498	DEPT. OF WATER & POWER - CITY OF LA	SWR LN PRMT OCT'14~15	PV	135144	001	00130	500.00	GA78005
				Payment Amount					500.00	
67193	10/14/14	19310	KAREN DYER	TURF RMVL REBATE	PV	135105	001	00101	362.00	650624
				Payment Amount					362.00	
67194	10/14/14	2655	FERGUSON ENTERPRISES	50 GAUGES 1/4" X 2.5"	PV	135229	001	00701	727.25	0482632-2
		Alt Payee	3207 FERGUSON ENTERPRISES, INC. #1083 FILE 56809 LOS ANGELES CA 90074-6809							
				Payment Amount					727.25	
67195	10/14/14	2701	GRAINGER, INC.	BRASS PIPE-PSSR SWTCH MANIFLDS	PV	135093	001	00701	158.90	9535053848
		Alt Payee	5453 GRAINGER, INC.							

ITEM 4C

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
			DEPT 805178142 PALATINE IL 60038-0001							
				Payment Amount					158.90	
67196	10/14/14	19321	GARY GREEN	TURF RMVL REBATE	PV	135169	001	00101	2,994.00	2161062
				Payment Amount					2,994.00	
67197	10/14/14	18646	HDR ENGINEERING, INC.	7/27~8/23/14 WLK FLTR PLNT DSG	PV	135094	001	00701	2,604.61	175822-B
				7/27~8/23/14 WLK P/S UPGRD DSG	PV	135095	001	00701	1,736.40	175822-B
				8/24~9/27/14 CEN TNK CP SYS	PV	135225	001	00701	1,358.40	00178016-B
				8/24~9/27/14 18" RW PIPELN PH2	PV	135226	001	00701	2,281.48	00178019-B
				Payment Amount					7,980.89	
67198	10/14/14	19301	MARIAM HOFF	RFND BAL - CLOSED A/C	PV	134942	001	00101	1,135.84	9997827
				Payment Amount					1,135.84	
67199	10/14/14	3083	JCI JONES CHEMICALS, INC	5,016 GAL HYPOCHLORITE	PV	135156	001	00701	2,919.16	633050
		Alt Payee 13647	JCI JONES CHEMICALS, INC P.O. BOX 636877 CINCINNATI OH 45263-6877							
				Payment Amount					2,919.16	
67200	10/14/14	5230	KENNEDY/JENKS CONSULTANTS	P/E 9/26/14 3RD DGSTR DSN/MGMT	PV	135227	001	00701	31,274.38	86433
				Payment Amount					31,274.38	
67201	10/14/14	19311	HARLEY KOZAK	TURF RMVL REBATE	PV	135104	001	00101	2,484.00	850466
				Payment Amount					2,484.00	
67202	10/14/14	19319	STEVE/WESLEY LEBMAN	RFND BAL - CLOSED A/C	PV	135171	001	00101	56.84	060164
				Payment Amount					56.84	
67203	10/14/14	11817	FRED LEVINE	TURF RMVL	PV	135101	001	00101	26,928.00	611945

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				REBATE						
				Payment Amount					26,928.00	
67204	10/14/14	6292	JOSEPH LITVACK	TURF RMVL REBATE	PV	134941	001	00101	1,042.00	510390
				Payment Amount					1,042.00	
67205	10/14/14	19312	MICHAEL MARCUS	TURF RMVL REBATE	PV	135100	001	00101	2,856.00	2080560
				Payment Amount					2,856.00	
67206	10/14/14	19302	THOMAS MASCOT	TURF RMVL REBATE	PV	134940	001	00101	12,130.00	600296
				Payment Amount					12,130.00	
67207	10/14/14	19313	AMY MERRYFIELD	TURF RMVL REBATE	PV	135107	001	00101	4,820.00	660070
				Payment Amount					4,820.00	
67208	10/14/14	19026	MNS ENGINEERS, INC.	AUG'14 PRMRY CLRFR RHB SVC	PV	135096	001	00701	1,225.00	64672
				AUG'14 CHNNL MXNG IMPRV	PV	135141	001	00701	2,102.43	64673
				Payment Amount					3,327.43	
67209	10/14/14	2365	MSO TECHNOLOGIES	7/1~8/30/14 WLFP ANALYZER	PV	135212	001	00701	2,100.00	4740
				7/1~8/31/14 WLK P/S UPGD SCADA	PV	135214	001	00701	2,720.00	4730
				7/1~8/31/14 WLFP EXP-SCADA DSN	PV	135215	001	00701	2,720.00	4730
				7/1~8/31/14 TAPIA BLWRS	PV	135233	001	00701	8,040.00	4729
				Payment Amount					15,580.00	
67210	10/14/14	19314	TOM NASROLLAHI	TURF RMVL REBATE	PV	135108	001	00101	1,628.00	150280
				Payment Amount					1,628.00	
67211	10/14/14	2846	NATIONAL PLANT SERVICES INC	EMGCY SLUDGE CLNG 9/12/14	PV	135166	001	00701	4,180.00	11717
				Payment Amount					4,180.00	
67212	10/14/14	2302	OFFICE DEPOT	MISC OFFICE SUPPLIES-HQ/TAPIA	PV	135198	001	00701	349.21	731040026001

ITEM 4C

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				SHEET PROTECTORS	PV	135199	001	00701	19.50	731040148001
				COPIER PAPER	PV	135200	001	00701	780.46	731652962001
				Payment Amount					1,149.17	
67213	10/14/14	19195	OFFSHORE CONSTRUCTION INC.	PMT#3-CLRFR#1 REHAB	PV	134946	001	00701	90,434.00	10512/#3
				10% RETENTION-PMT #3	PD	134947	001	00754	9,043.40-	10512/RTN#3
				Payment Amount					81,390.60	
67214	10/14/14	16310	FRIDAY OLELEWE	RFND BAL - CLOSED A/C	PV	135170	001	00101	5.62	060163
				Payment Amount					5.62	
67215	10/14/14	18874	PACIFIC HYDROTECH CORPORATION	PMT#17-3RD DIGESTER	PV	135145	001	00701	272,521.27	10487/#17
				5% RETENTION-PMT #17	PD	135146	001	00754	13,626.06-	10487/RTN#17
				Payment Amount					258,895.21	
67216	10/14/14	3110	GLEN PETERSON	TURF RMVL REBATE	PV	135099	001	00101	2,784.00	752280
				Payment Amount					2,784.00	
67217	10/14/14	19320	HEIDI POKRAS	RFND BAL - CLOSED A/C	PV	135172	001	00101	2.14	048559
				Payment Amount					2.14	
67218	10/14/14	4884	POLY PROCESSING COMPANY, LLC	RPL 24" MANWAY GASKETS@TAPIA	PV	135235	001	00701	3,000.00	S-INV-48440
		Alt Payee 19257	POLY PROCESSING COMPANY, LLC DEPT. NO. 243, P. O. BOX 4869 HOUSTON TX 77210-4869							
				Payment Amount					3,000.00	
67219	10/14/14	8484	PRAXAIR DISTRIBUTION, INC	SEP'14 CYLINDER RNTL	PV	134948	001	00701	118.94	50490496
		Alt Payee 8898	PRAXAIR DISTRIBUTION INC. DEPT. LA 21511 PASADENA CA 91185-1511							

ITEM 4C

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				Payment Amount					118.94	
67220	10/14/14	9176	PRINT MANAGEMENT ASSOCIATES	NATIVE PLANT BROCHURES	PV	135074	001	00701	17,593.46	2447
				5,000 DOOR HANGERS	PV	135108	001	00701	684.52	2448
				Payment Amount					18,277.98	
67221	10/14/14	16049	ESTHER RADPARVAR	TURF RMVL REBATE	PV	135125	001	00101	3,472.00	270384
				Payment Amount					3,472.00	
67222	10/14/14	15460	MIRA RUBIN	TURF RMVL REBATE	PV	135102	001	00101	1,400.00	754025
				Payment Amount					1,400.00	
67223	10/14/14	2926	SCAP	PLEDGE CWCCG STRG COM 14-15	PV	135073	001	00751	2,000.00	CWCCG-03
				Payment Amount					2,000.00	
67224	10/14/14	3480	SIGN FACTORY	WHITE MAGNETS-TEMP USE ON CARS	PV	135070	001	00701	107.50	13571
				Payment Amount					107.50	
67225	10/14/14	18833	SITEWORKS, INC	RFND BAL - CLOSED A/C	PV	135072	001	00101	1,550.00	9998162
				Payment Amount					1,550.00	
67226	10/14/14	2957	SOUTHERN CALIFORNIA EDISON	RLV COMPOST 8/29~9/30/14	PV	135207	001	00751	41,877.73	5165-46/10011 4
				Payment Amount					41,877.73	
67227	10/14/14	17375	SOUTHERN CALIFORNIA WATER COMMITTEE, INC	ANNUAL MBRSHP '14-15	PV	135201	001	00701	850.00	26327
				Payment Amount					850.00	
67228	10/14/14	4440	SOUTHWEST CHLORINATION, INC.	SEP'14 WTR TNK CHLORNTN	PV	135090	001	00101	1,639.90	7563
				Payment Amount					1,639.90	
67229	10/14/14	4898	STATE TREASURER'S OFFICE	REG-LAIF CONF 11/18/14	PV	135124	001	00701	100.00	111814

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				Payment Amount					100.00	
67230	10/14/14	19318	ELIZABETH STOCKWELL	TURF RMVL REBATE	PV	135128	001	00101	12,174.00	500330
				Payment Amount					12,174.00	
67231	10/14/14	3789	T & T TRUCK & CRANE SERVICE	9/23& 9/24 40 TN CRANE@TAPIA	PV	135231	001	00701	4,300.00	0116271-IN
				Payment Amount					4,300.00	
67232	10/14/14	17645	TORO ENTERPRISES INC.	8" SEWR MAIN 9/10&9/17/14	PV	135209	001	00701	11,926.00	8779
				Payment Amount					11,926.00	
67233	10/14/14	18095	TOTAL BARRICADE SERVICE, INC.	9/24 TRFC CTL@LINDERO CYN	PV	135197	001	00701	733.00	26019
				Payment Amount					733.00	
67234	10/14/14	7737	TWIW INSURANCE SERVICES, LLC	INS PREM'14~15-LI AB,PROPERTY	PV	135217	001	00701	245,813.27	1085659
				INS PREM'14~15-LI AB,PROPERTY	PV	135217	002	00701	27,992.86	1085659
				INS PREM'14~15-LI AB,PROPERTY	PV	135217	003	00701	51,239.87	1085659
				INS PREM'14~15 UMBRLLA/EX LIAB	PV	135218	001	00701	64,250.00	1085661
				INS PREM'14~15 36MIL/EXCS LIAB	PV	135219	001	00701	91,000.00	1085672
				INS PREM'14~15 61MIL/EXCS LIAB	PV	135220	001	00701	46,125.00	1085674
				INS PREM'14~15 EARTHQK/FLOOD	PV	135221	001	00701	52,583.27	1085649
				INS	PV	135221	002	00701	48,465.42	1085649

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				PREM'14~15 EARTHQK/FLOOD INS	PV	135221	003	00701	88,714.11	1085649
				PREM'14~15 EARTHQK/FLOOD INS	PV	135222	001	00701	2,280.53	1085658
				PREM'14~15 CRIME INS	PV	135222	002	00701	2,101.94	1085658
				PREM'14~15 CRIME INS	PV	135222	003	00701	3,847.53	1085658
				PREM'14~15 CRIME						
				Payment Amount				724,413.80		
67235	10/14/14	18810	UNIFIRST CORPORATION	9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135179	001	00701	45.40	671717
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135179	002	00701	17.60	671717
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135180	001	00701	45.40	673262
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135180	002	00701	47.10	673262
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135181	001	00701	45.40	674788
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135181	002	00701	17.60	674788
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135182	001	00701	45.40	676288
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135182	002	00701	47.10	676288
				9/14 MATS/TWLS,UNI FRMS@TAPIA	PV	135183	001	00701	13.88	671716

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135183	002	00701	6.40	671716
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135184	001	00701	13.88	673261
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135184	002	00701	17.90	673261
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135185	001	00701	13.88	674787
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135185	002	00701	6.40	674787
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135186	001	00701	13.88	676287
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135186	002	00701	17.90	676287
				FRMS@WLK 9/14 MATS/TWLS,UNI	PV	135187	001	00701	188.41	671719
				FRMS@HQ 9/14 MATS/TWLS,UNI	PV	135188	001	00701	209.41	673264
				FRMS@HQ 9/14 MATS/TWLS,UNI	PV	135189	001	00701	188.41	674790
				FRMS@HQ 9/14 MATS/TWLS,UNI	PV	135190	001	00701	226.60	676290
				FRMS@HQ 9/14 MATS/TWLS,UNI	PV	135191	001	00701	20.34	671718
				FRMS@RLV 9/14 MATS/TWLS,UNI	PV	135191	002	00701	20.80	671718
				FRMS@RLV 9/14	PV	135192	001	00701	20.34	673263

ITEM 4C

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				MATS/TWLS,UNI FRMS@RLV 9/14	PV	135192	002	00701	30.30	673263
				MATS/TWLS,UNI FRMS@RLV 9/14	PV	135193	001	00701	20.34	674789
				MATS/TWLS,UNI FRMS@RLV 9/14	PV	135193	002	00701	20.80	674789
				MATS/TWLS,UNI FRMS@RLV 9/14	PV	135194	001	00701	20.34	676289
				MATS/TWLS,UNI FRMS@RLV 9/14	PV	135194	002	00701	30.30	676289
				MATS/TWLS,UNI FRMS@RLV Payment Amount				1,411.51		
67236	10/14/14	2780	VALLEY NEWS GROUP	3 ADS 9/18/14	PV	135071	001	00101	530.00	9-18
				3 ADS 9/25/14	PV	135130	001	00751	150.00	9-25
				3 ADS 9/25/14	PV	135130	002	00751	360.00	9-25
				Payment Amount				1,040.00		
67237	10/14/14	2436	VINCE BARNES AUTOMOTIVE	VEH#806-RPL FLY WHEEL	PV	135131	001	00701	483.71	020565
				VEH#824-FUEL PMP&FILTR	PV	135132	001	00701	405.58	020568
				VEH#858-RING GR&PINION	PV	135133	001	00701	1,402.75	020574
				VEH#804-TPS SNSR, FUEL INJ SVC	PV	135134	001	00701	266.61	020558
				Payment Amount				2,558.65		
67238	10/14/14	3109	W. LITTEN	SRV 8/24~8/30/14@ RANCHO	PV	135135	001	00701	3,803.25	0320325
				SRV 8/31~9/6/14@R ANCHO	PV	135137	001	00701	3,817.85	0320327
				SRV 9/7~9/13/14@R	PV	135138	001	00701	3,902.10	0320328

ITEM 4C

Batch Number - 233891

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				ANCHO						
				SRV	PV	135139	001	00701	3,690.80	0320329
				9/14~9/20/14@						
				RANCHO						
				SRV	PV	135140	001	00701	1,760.20	0320331
				9/21~9/27/14@						
				RANCHO						
				9/21~9/27/14	PV	135142	001	00751	1,866.80	0320330
				SWG						
				CLEANUP@LV RD						
				8/24~8/30/14	PV	135143	001	00751	195.30	0320326
				TRAIL MAINT						
				Payment Amount				19,036.30		
67239	10/14/14	18914	WECK	LAB SRV@TAPIA	PV	135173	001	00701	45.00	W4I1326-LV
			LABORATORIES,	EFFL P/S						
			INC.							
				LAB SRV@RLV	PV	135174	001	00701	150.00	W4I1325-LV
				LAB SRV@WSTLK	PV	135175	001	00701	159.00	W4I1327-LV
				LAB	PV	135176	001	00701	124.00	W4F0972-LV
				SRV@RANCHO						
				CROP						
				Payment Amount				478.00		
67240	10/14/14	3048	WEST COAST	A/C SRV@RLV	PV	135195	001	00701	1,375.00	S60170
			AIR	9/8/14						
			CONDITIONING							
				A/C SRV@LV-2	PV	135196	001	00701	335.00	S60210
				9/9/14						
				Payment Amount				1,710.00		
67241	10/14/14	18922	1ST	RTN#17/RLV	PV	135168	001	00754	13,626.06	10487/RTN#17
			ENTERPRISE	3RD DIGESTR						
			BANK							
				Payment Amount				13,626.06		
				Total Amount of Payments Written				1,456,710.34		
				Total Number of Payments Written			71			

ITEM 4C

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Supply and Delivery of Sodium Bisulfite: Award of Bid (Pg. 57)

SUMMARY:

On August 12, 2014, the Board approved a Request for Bids for the supply and delivery of sodium bisulfite to the Tapia Water Reclamation Facility. Sodium bisulfite is a dechlorinating agent used to eliminate the chlorine residual in treated water prior to discharge. The annual expense for this product is expected to be approximately $168,000. Award of the bid will ensure the District receives competitive pricing throughout the year.

RECOMMENDATION(S):

Accept the bid from JCI Jones Chemical, Inc., and authorize the General Manager to execute a one-year contract in the amount of $167,580, with four one-year renewal options, for the annual supply and delivery of sodium bisulfite.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The total estimated annual cost to the District for sodium bisulfite is $167,580. Sufficient funds are available for the purchase of sodium bisulfite in the adopted Fiscal Year 2014-15 Budget and will be proposed in future year budgets.

DISCUSSION:

Bid packets were sent to seven suppliers; three bids were received. Two additional suppliers responded with a no bid; one stated that it was currently in the process of expanding to Southern California area but not yet able to supply to the District's service area.

The total estimated annual cost to the District for sodium bisulfite prior to receiving bids was $184,500, based on current pricing and average annual use. The competitive bidding process and changes in the current market have resulted in a lower unit price and adjusted annual cost estimate of $167,580.

Bid Summary:

BIDDER	UNIT PRICE ($/gallon)	BID TOTAL
JCI JONES CHEMICAL, INC.	$1.33	$167,580.00
UNIVAR USA, INC.	$1.349	$169,974.00
BRENTAG PACIFIC, INC.	$1.444	$181,994.00

Prepared By: Gretchen Bullock, Buyer

ATTACHMENTS:

Sodium Bisulfite Bid

Las Virgenes Municipal Water District
Bid Form-Schedule
Sodium Bisulfite

The undersigned states and declares as follows: that the bidder has carefully read and examined the Bid Documents; Bid Notice; Instruction to Bidders; Bid Specifications including exhibits; Bid Form-Schedule; and that the bidder will comply with the bid terms and conditions. The undersigned agrees to supply and deliver materials in strict conformity with the specifications and instructions enclosed with the Invitation for Bids for the prices set forth below in this bid schedule.

It is understood that this bid shall remain open and shall not be withdrawn for a period of ninety (90) days from the date prescribed for the opening of the bid.

It is further agreed that the materials/services to be furnished under this bid shall be delivered at such time and in such quantities as called for by the Las Virgenes Municipal Water District. The District may extend the term of this contract by written notice to the supplier at the end of the contract period.

CONTRACT TERM as follows: initial contract term shall be good for one (1) year from date of contract execution. Four (4) additional one (1) year renewals may be negotiated at the District's option.

Materials to be furnished under this bid shall be delivered FOB Destination Freight Pre-Paid and Allowed to Las Virgenes Municipal Water District's Tapia Water Reclamation Facility, 731 Malibu Canyon Road, Calabasas, CA 91302 in the manner set forth in the Bid Scope and Specifications.

All bidders are required to submit the following information with their bid

- Completed Bid Form-Schedule
- Contact information for three customers bidder is currently supplying with Sodium Bisulfite
- Product information/technical data sheet
- Global Harmonized System-Safety Data Sheet (GHS-SDS)

The bidder's authorized officer identified below hereby declares that the representations in this bid are true and correct and of my own personal knowledge, and that these representations are made under penalty of perjury under the laws of the State of California, and that I am duly authorized to bind this bidder to this bid.

>>>continued on next page<<<

Bid Item No.	Quantity	Unit of Measure UOM	Description	Unit Price	Extended Price
1.	126,000	gallon	Sodium Bisulfite Solution	$1.33	$167,580.00
			Refer to Bid Scope & Specifications for detailed description		
			Total Bid	$ 167,580.00	

Written Total Bid Amount:
One Hundred Sixty Seven Thousand, Five Hundred Eighty Dollars.

Notes or Exceptions:

Addendum Acknowledgement:

Addendum #1 ☐ Signed: _____

Bidder:

JCI Jones Chemicals, Inc. — Corporate Name of Bidder
8/29/14 — Date

By: _____ — Authorized Signature
Title: Sales Coordinator

Colleen DuBose — Print Name
cdubose@jcichem.com — E-mail

310-523-1629 — Phone

1401 Del Amo Blvd, Torrance, CA 90501 — Address
310-523-2944 — Fax

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Annual Backflow Prevention Device Testing: Award of Bid (Pg. 61)

SUMMARY:

On August 12, 2014, the Board approved a Request for Bids for the annual testing of backflow prevention devices. Award of the bid will ensure the District is able to maintain compliance with Title 17 of California Code of Regulation and Section 3-4.304 of the LVMWD Code, while receiving competitive pricing for the service that is provided throughout the year.

RECOMMENDATION(S):

Accept the bid from AAA Backflow Device Testing and authorize the General Manager to execute a one-year contract in the amount of $26,700, with four one-year renewal options, for annual backflow prevention device testing services.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The annual expense for this service was estimated to be $60,000. The low bid of $26,700 was considerably lower and will result in an immediate cost-savings to the District. Sufficient funds are available for this service in the adopted Fiscal Year 2014-15 Budget and will be proposed in future year budgets.

DISCUSSION:

Bid packets were sent to eight suppliers; three bids were received. An additional supplier responded stating the project was too large for its current staff.

The total estimated annual cost to the District for backflow device testing services is $26,700.

Following is a summary of the bids received:

BIDDER	BID TOTAL
AAA Backflow Device Testing	$26,700
American Discount Backflow	$33.582
Acme Backflow Service	$45,047

GOALS:

Construct, Manage and Maintain All Facilities and Provide Services to Assure System Reliability and Environmental Compatibility

GOAL DESCRIPTION:

Prepared By: Gretchen Bullock, Buyer

ATTACHMENTS:

Backflow Testing Service Bid

Las Virgenes Municipal Water District
Bid Form-Schedule
Backflow Testing Service

The undersigned states and declares as follows: that the bidder has carefully read and examined the Bid Documents; Bid Notice; Instruction to Bidders; Bid Specifications including exhibits; Bid Form-Schedule; and that the bidder will comply with the bid terms and conditions. The undersigned agrees to supply and deliver materials/service in strict conformity with the specifications and instructions enclosed with the Invitation for Bids for the prices set forth below in this bid schedule.

It is understood that this bid shall remain open and shall not be withdrawn for a period of ninety (90) days from the date prescribed for the opening of the bid.

It is further agreed that the materials/services to be furnished under this bid shall be delivered at such time and in such quantities as called for by the Las Virgenes Municipal Water District. The District may extend the term of this contract by written notice to the supplier at the end of the contract period.

CONTRACT TERM as follows: Initial contract term shall be good for one (1) year from date of final execution of contract with four (4) possible one (1) year renewals to be negotiated at the District's option.

Materials/Services to be furnished under this bid shall begin upon completion of a fully executed contract between Bidder and District or the date set forth in said contract, whichever is later.

All Bidders are required to submit with their bid:

1. Bid-Form Schedule

The bidder's authorized officer identified below hereby declares that the representations in this bid are true and correct and of my own personal knowledge, and that these representations are made under penalty of perjury under the laws of the State of California, and that I am duly authorized to bind this bidder to this bid.

>>>continued on next page<<<

Bid Item	Manufacturer	Size	Description		Qty	Unit Price*	Extended Total
			Model	Type			
1	AMES	2"	2000B	Double Check	1	$25.00	$25.00
2	AMES	¾"	2000B	Double Check	2	25.00	50.00
3	AMES	2 ½"	3000SS	DCDA	2	25.00	50.00
4	AMES	4"	4000SS	RP Device	1	25.00	25.00
5	CONBRACO	1 ½"	40-207-A2	RP Device	1	25.00	25.00
6	FEBCO	1 ½"	LF 825Y	RP Device	1	25.00	25.00
7	FEBCO	1"	LF 825Y	RP Device	2	25.00	50.00
8	FEBCO	2"	LF 825Y	RP Device	1	25.00	25.00
9	FEBCO	1"	765	PVB	2	25.00	50.00
10	FEBCO	2 ½"	805	Double Check	1	25.00	25.00
11	FEBCO	¾"	805	Double Check	115	25.00	2875.00
12	FEBCO	1 ½"	825Y	RP Device	47	25.00	1175.00
13	FEBCO	1 ¼"	825Y	RP Device	9	25.00	225.00
14	FEBCO	1"	825Y	RP Device	85	25.00	2125.00
15	FEBCO	2"	825Y	RP Device	145	25.00	3625.00
16	FEBCO	¾"	825Y	RP Device	6	25.00	150.00
17	FEBCO	2"	850	Double Check	14	25.00	350.00
18	FEBCO	8"	856	DCDA	3	25.00	75.00
19	FEBCO	1"	860	RP Device	1	25.00	25.00
20	FEBCO	2 ½"	860	RP Device	2	25.00	50.00
21	FEBCO	3"	860	RP Device	1	25.00	25.00
22	FEBCO	4"	860	RP Device	4	$25.00	$100.00

Continued on next page

Bid Item	Manufacturer	Size	Description		Qty	Unit Price*	Extended Total
			Model	Type			
23	*FEBCO*	*8"*	*860*	*RP Device*	*1*	$25.00	$25.00
24	FEBCO	2 ½"	870V	Double Check	2	25.00	50.00
25	FEBCO	10"	876	DCDA	10	25.00	250.00
26	FEBCO	2 ½"	876	DCDA	14	25.00	350.00
27	FEBCO	3"	876	DCDA	2	25.00	50.00
28	FEBCO	4"	876	DCDA	48	25.00	1200.00
29	FEBCO	6"	876	DCDA	58	25.00	1450.00
30	FEBCO	8"	876	DCDA	57	25.00	1425.00
31	FEBCO	3"	880	RP Device	8	25.00	200.00
32	FEBCO	4"	880	RP Device	1	25.00	25.00
33	HERSEY	2"	6C	RP Device	1	25.00	25.00
34	HERSEY	1"	FRP II	RP Device	1	25.00	25.00
35	WATTS	¾"	LF 719	Double Check	4	25.00	100.00
36	WATTS	1"	LF009	RP Device	6	25.00	150.00
37	WATTS	2"	LF009	RP Device	1	25.00	25.00
38	WATTS	1 ½"	LF919	RP Device	1	25.00	25.00
39	WATTS	2"	LF919	RP Device	1	25.00	25.00
40	WATTS	2"	007	Double Check	1	25.00	25.00
41	WATTS	1 ½"	009	RP Device	4	25.00	100.00
42	WATTS	1 ¼"	009	RP Device	3	25.00	75.00
43	WATTS	1"	009	RP Device	7	25.00	175.00
44	WATTS	2 ½"	009	RP Device	1	25.00	25.00
45	WATTS	2"	009	RP Device	18	$25.00	$450.00

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168

Bid Item	Manufacturer	Size	Description		Qty	Unit Price*	Extended Total
			Model	Type			
46	WATTS	3"	009	RP Device	3	$25.00	$75.00
47	WATTS	¾"	009	RP Device	1	25.00	25.00
48	WATTS	2 ½"	774	DCDA	1	25.00	25.00
49	WATTS	1 ½"	909	RP Device	41	25.00	1025.00
50	WATTS	1 ¼"	909	RP Device	1	25.00	25.00
51	WATTS	1"	909	RP Device	36	25.00	900.00
52	WATTS	2"	909	RP Device	23	25.00	575.00
53	WATTS	3"	909	RP Device	3	25.00	75.00
54	WATTS	¾"	909	RP Device	5	25.00	125.00
55	WATTS	4"	909	RP Device	2	25.00	50.00
56	WATTS	1"	919	RP Device	7	25.00	175.00
57	WATTS	2 ½"	957	RP Device	1	25.00	25.00
58	WATTS	3"	957	RP Device	1	25.00	25.00
59	WATTS	4"	957	RP Device	2	25.00	50.00
60	WATTS	8"	957	RP Device	1	25.00	25.00
61	WILKINS	2"	350XL	Double Check	12	25.00	300.00
62	WILKINS	1 ½"	375	RP Device	4	25.00	100.00
63	WILKINS	2 ½"	375	RP Device	5	25.00	125.00
64	WILKINS	3"	375	RP Device	8	25.00	200.00
65	WILKINS	4"	375	RP Device	7	25.00	175.00
66	WILKINS	6"	375	RP Device	2	25.00	50.00
67	WILKINS	1 ½"	375 XL	RP Device	1	25.00	25.00
68	WILKINS	1 ¼"	375 XL	RP Device	1	$25.00	$25.00

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204

Bid Item	Manufacturer	Size	Description		Qty	Unit Price*	Extended Total
			Model	Type			
69	WILKINS	2"	375 XL	RP Device	3	$25.00	$75.00
70	WILKINS	6"	375AR	RP Device	1	25.00	25.00
71	WILKINS	1"	575	RP Device	1	25.00	25.00
72	WILKINS	2"	575	RP Device	1	25.00	25.00
73	WILKINS	1"	575A	RP Device	1	25.00	25.00
74	WILKINS	2"	720A	PVB	1	25.00	25.00
75	WILKINS	1 ¼"	950 XL	Double Check	4	25.00	100.00
76	WILKINS	2"	950 XL	Double Check	6	25.00	150.00
77	WILKINS	2 ½"	975	RP Device	1	25.00	25.00
78	WILKINS	3"	975	RP Device	4	25.00	100.00
79	WILKINS	4"	975	RP Device	2	25.00	50.00
80	WILKINS	8"	975	RP Device	1	25.00	25.00
81	WILKINS	1 ½"	975 XL	RP Device	42	25.00	1050.00
82	WILKINS	1 ¼"	975 XL	RP Device	8	25.00	200.00
83	WILKINS	1"	975 XL	RP Device	41	25.00	1025.00
84	WILKINS	2"	975 XL	RP Device	81	25.00	2025.00
85	WILKINS	¾"	975 XL	RP Device	6	$25.00	$150.00
							$26,700.00 *

*Unit of measure is test; refer to Bid Scope & Specifications for details

DCDA=Double Check Detector Assembly	357 x	$25.00	$8925.00
PVB=Pressure Vacuum Breaker	3 x	$25.00	$75.00
RP=Reduced Pressure Principal Assembly	708 x	$25.00	$17,700.00
Extended Bid Total	**$**		$26,700.00 *

Written Total Bid Amount:

Twenty Six Thousand Seven Hundred Dollars

Notes or Exceptions:

Addendum Acknowledgement:

Addendum #1 ☐ Signed: _____

Addendum #2 ☐ Signed: _____

Addendum #3 ☐ Signed: _____

Bidder:

Mike Hynes LACHDL #11329
Darrel Wallace LACHDL #12489
Ruben Guerra LACHDL #12623

LA County Health Dept. Backflow Prevention Device Tester Number

Employee's #

736658

CSLB License Number & Designation

AAA BACKFLOW DEVICE TESTING

Corporate Name of Bidder

8-26-2014

Date

By _____ Authorized Signature

Title: MANAGER

Chuck Devlin

Print Name

aaabackflow91204@hotmail.com

E-mail

675 South Glenwood Pl.

Address

818-240-6383

Phone

Burbank, Ca 91506

323-668-0730

Fax

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Supply and Delivery of Diatomaceous Earth: Award of Bid (Pg. 69)

SUMMARY:

On August 26, 2014, the Board approved a Request for Bids for the supply and delivery of diatomaceous earth to the Westlake Filtration Plant. The annual expense for the product is expected to be $29,730.72. Award of the bid will ensure the District receives competitive pricing throughout the year.

RECOMMENDATION(S):

Accept the bid from Dicalite Minerals, Inc., and authorize the General Manager to execute a one-year contract in the amount of $29,730.72, with three one-year renewal options for the supply and delivery of diatomaceous earth.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The total estimated annual cost to the District for diatomaceous earth is $29,730.72 based on previous year usage and current bid pricing. Sufficient funds for the product are available in the adopted Fiscal Year 2014-15 Budget and will be proposed in future year budgets.

DISCUSSION:

The Request for Bids and related documents were posted on the District's website, and notification of the posting was sent to six suppliers; one bid was received. Another supplier responded with a no bid. While preparing the bid documents, staff was in contact with three suppliers and received comments on the high demand, recent shortages and long lead time for diatomaceous earth. These factors likely contributed to the lack of bidder for the material.

The bid received by Dicalite Minerals, Inc. listed unit prices for diatomaceous earth; however, it did not list an extended price or extended bid total, instead a per bag price including taxes was provided. Per the Instructions to Bidders, unit prices submitted prevail if there is a bid discrepancy. Staff confirmed the unit price of $200 per bag with the bidder and calculated the extended totals.

Dicalite Minerals also listed an exception for a fuel surcharge, which was not listed with a dollar amount. Staff confirmed the proposed indexes and formula proposed to arrive at the stated fuel surcharge, calculated the fuel surcharge as of the September 22nd bid opening, and included it in the extended bid total amount of $29,730.72.

GOALS:

Ensure Effective Utilization of the Public's Assets and Money

Prepared By: Gretchen Bullock, Buyer

ATTACHMENTS:

Dicalite Bid

Dicalite Bid Staff Clarification

Las Virgenes Municipal Water District
Bid Form-Schedule
Diatomaceous Earth

The undersigned states and declares as follows: that the bidder has carefully read and examined the Bid Documents; Bid Notice; Instruction to Bidders; Bid Specifications including exhibits; Bid Form-Schedule; and that the bidder will comply with the bid terms and conditions. The undersigned agrees to supply and deliver materials in strict conformity with the specifications and instructions enclosed with the Invitation for Bids for the prices set forth below in this bid schedule.

It is understood that this bid shall remain open and shall not be withdrawn for a period of ninety (90) days from the date prescribed for the opening of the bid.

It is further agreed that the materials/services to be furnished under this bid shall be delivered at such time and in such quantities as called for by the Las Virgenes Municipal Water District. The District may extend the term of this contract by written notice to the supplier at the end of the contract period.

CONTRACT TERM as follows: initial contract term shall be good for one (1) year from date of contract execution. Three (3) additional one (1) year renewals may be negotiated at the District's option.

Materials to be furnished under this bid shall be delivered FOB Destination Freight Pre-Paid and Allowed to Las Virgenes Municipal Water District's Westlake Filtration Plant, 32061 Torchwood Place, Westlake Village, CA 91361 in the manner set forth in the Bid Scope and Specifications.

All bidders are required to submit the following information with their bid

- Completed Bid Form-Schedule *(2 pages)*
- Product information/technical data sheet
- Global Harmonized System-Safety Data Sheet (GHS-SDS)

The bidder's authorized officer identified below hereby declares that the representations in this bid are true and correct and of my own personal knowledge, and that these representations are made under penalty of perjury under the laws of the State of California, and that I am duly authorized to bind this bidder to this bid.

>>>continued on next page<<<

Bid Item No.	Quantity	Unit of Measure UOM	Description Refer to Bid Scope & Specifications for detailed description	Unit Price	Extended Price
1.	132	bag	Diatomaceous Earth	$200.00/bg 1000#/bg	$400/ton
			LA County Sales Tax	9%	
			Total Bid	$ 218/1000#bg	

Written Total Bid Amount:

Dicalite Speedex ; 375 1000# bgs @ $200/bg pallet ; bulkbag included.

Notes or Exceptions:

I have also attached our Dicalite pricing quote that is provided each year. Full truck load pricing. Pricing FOB Westlake Village, Ca. Fuel prepaid/add.

Addendum Acknowledgement:

Addendum #1 X Signed: [signature] - Rocky Torgrimson

Addendum #2 Signed: _____

Bidder:

Dicalite Minerals Inc. — Corporate Name of Bidder

September 12, 2014 — Date

By: [signature] — Authorized Signature

Title: Operations Manager

Rocky Torgrimson — Print Name

smcarthur@dicalite.com — E-mail

(530) 335-5451 — Phone

36994 Summit Lake Rd.
Burney, Ca 96013 — Address

(530) 335-5348 — Fax

Las Virgenes Municipal Water District
Addendum #1 Issued 9-3-14
Diatomaceous Earth

Bidders are instructed to make the following change to Las Virgenes Municipal Water District "Request for Bids: Diatomaceous Earth".

Changes to the ***Bid Scope and Specifications, Additional Conditions, 2. Delivery, e.***

Original *Bid Scope and Specifications, Additional Conditions, 2. Delivery, e.* Page 1 reads:

2. **Delivery:**
    e. Empty bulk bags and transfer pallets from previous delivery shall be picked-up at each delivery.

Delete above original and replace with change below:

Change *Bid Scope and Specifications, Additional Conditions, 2. Delivery, e.* Page 1 to read:

2. **Delivery:**
    e. Empty bulk bags and transfer pallets from previous delivery may be picked-up at each delivery when required by supplier. No pallet or bag deposit fees are allowed.

All other document content of original Request for Bids remains unchanged. Print and return this two page signed addendum with bid.

Addendum issued September 3, 2014.

By: _____
Gretchen Bullock, CPPB
Buyer, Las Virgenes Municipal Water District

The undersigned states and declares as follows: the bidder has received, carefully read and examined this Addendum #1; and that the bidder is fully aware of the correction to original *Bid Scope and Specifications* and will comply with the noted change. *(Bidder signature required on page 2)*

Bidder:

Dicalite Minerals Inc.
Corporate Name of Bidder

September 12, 2014
Date

By: _____
Authorized Signature

Title: Operations Manager

Rocky Torgerson
Print Name

smcarthur@dicalite.com
E-mail

(530) 335-5451
Phone

36994 Summit Lake Rd
Burney, CA 96013
Address

(530) 335-5348
Fax

Dicalite™

September 11, 2014

Certified to NSF/ANSI 61

Las Virgenes Municipal Water District
Attn: Gretchen Bullock
4232 Las Virgenes Rd.
Calabasas, CA 91302
Ph# 818-251-2100
Fx# 818-251-2109
Email: gbullock@lvmwd.com

Pricing Effective: August 30, 2014		Expires: 8/30/15
FOB: Westlake Village, CA	FTL Pricing	Std. Configuration
Payment Terms: Net 30		Lead Time: 15-30 days
Freight: included		
Fuel Surcharge: Prepaid & Add	612 miles*current rate (changes weekly)	

Dicalite Speedex 1000#	$200.00/bg	Pallet & Bulkbag included
Dicalite 375 1000#	$200.00/bg	Pallet & Bulkbag included

All orders are subject to Energy and/or Fuel Surcharges, if applicable. Current freight rates, surcharge rates and lead-times can be confirmed by Customer Service. We reserve the right to change, withdraw, or amend the above quotation at anytime with respect to any orders not yet placed and accepted. All orders are accepted solely to the terms and conditions of Dicalite Minerals Corporation notwithstanding any other terms and conditions submitted on any purchase order or otherwise.
Please be aware that orders placed for delivery during the months of July-November may be delayed due to the wine season.

Contact Information:

Dicalite Minerals Corp
36994 Summit Lake Rd.
Burney, CA 96013
Ph# 530-335-5451
Fx# 530-335-5348

Sales: Shelby McArthur Ext. 101

Customer Service: Bobbi Gilmore Ext. 107
Order Ph# 800-545-6408
Order Fx# 530-335-4539

Quality Assurance: Wendy Dougherty Ext. 113

- Bidder did not extend unit price or bid total; unit price prevails total calculated by staff
- Noted exception not included in dollar total. Amount calculated by staff

Fuel surcharge based on 612 mile per delivery; calculated using EIA US rate 9/22/14 #3.778 per gal and DOE Fuel Index Range of #3.75 – 3.799 = 52¢ per mile

Bid Item No.	Quantity	Unit of Measure UOM	Description Refer to Bid Scope & Specifications for detailed description	Unit Price	Extended Price	Staff Calculation
1.	132	bag	Diatomaceous Earth	$200.00/bg 1000#/bg	$400/ton	$26,400
Staff added →	3	Delivery (44 bags per @612 miles)	Fuel Surcharge as of 9/22	318.24		954.72
			LA County Sales Tax	× 9%		2376.01
			Total Bid	$218/1000#bg		$29,730.73

Written Total Bid Amount:

Dicalite Speedex 375 1000# bgs @ $200/bg pallet & bulkbag included.

Notes or Exceptions:

I have also attached our Dicalite pricing quote that is provided each year. Full truck load pricing. Pricing FOB Westlake Village, Ca. Fuel prepaid/add.

Addendum Acknowledgement:

Addendum #1 ☒ Signed: Rocky Torgerson

Addendum #2 ☐ Signed: _____

Bidder:

Dicalite Minerals Inc. — Corporate Name of Bidder

September 12, 2014 — Date

By: _____ — Authorized Signature

Title: OPERATIONS MANAGER

Rocky Torgerson — Print Name

smcartnur@dicalite.com — E-mail

(530) 335-5451 — Phone

36994 Summit Lake Rd.
Burney, Ca 96013 — Address

(530) 335-5348 — Fax

Bid Total Clarification
Includes surcharge amount noted in exception section

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Annual Supply and Delivery Ferric Chloride: Request for Bids (Pg. 77)

SUMMARY:

Ferric chloride is used to minimize the formation of hydrogen sulfide in raw sludge as it is pumped to the District's Rancho Las Virgenes Composting Facility for processing. Deliveries are needed approximately once a month. The District's contract with its current supplier, Kemira Water Solutions, expires on October 31, 2014. There are no remaining renewal options available.

Staff recommends issuance of a Request for Bids to select a vendor to supply and deliver ferric chloride under a one-year contract with three one-year renewal options.

RECOMMENDATION(S):

Approve a Request for Bids for the annual supply and delivery of ferric chloride.

FISCAL IMPACT:

No

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

There is not financial impact associated with issuing a request for bids. The total estimated annual cost to the District for ferric chloride is $82,500.

DISCUSSION:

Bids will be requested in accordance with the following schedule:

Board Authorization of Request for Bids	October 14, 2014
First Newspaper Advertisement	October 20, 2014
Second Newspaper Advertisement	October 27, 2014
Bid Opening	November 5, 2014
Award of Contract	November 25, 2014

In order to improve the availability of District bids to potential responders, staff has begun posting non-public works bid documents on-line and potential bidders can view and download them from the District's website. Bids are still required in hard-copy format with a wet signature and opened publicly at the designated time.

GOALS:

Ensure Effective Utilization of the Public's Assets and Money

Prepared By: Gretchen Bullock, Buyer

ATTACHMENTS:

Ferric Chloride Request for Bids

NOTICE INVITING SEALED PROPOSALS (BIDS)

FOR SUPPLY AND DELIVERY OF

Ferric Chloride

FOR LAS VIRGENES MUNICIPAL WATER DISTRICT

NOTICE IS HEREBY GIVEN that the Board of Directors of Las Virgenes Municipal Water District invites and will receive sealed proposals (bids) up to the hour of **2:00 P.M. on Wednesday, November 5, 2014** for the annual supply and delivery of Ferric Chloride to District facilities. Bids received after the time stated in the Request for Bids will not be accepted and will be returned, unopened, to the bidder. The time shall be determined by the time on the receptionist telephone console in our Headquarters lobby. Proposals will be publicly opened and read aloud at the office of the District, 4232 Las Virgenes Road, Calabasas, California.

Said bids shall conform to and be responsive to the Instructions to Bidders, Specifications, and Bid Documents for said work as heretofore approved by the District.

Each bid must be on the original District bid form and shall be sealed and filed with the secretary of the District at or before the time stated in this Notice.

All terms and conditions contained in the Instruction to Bidders, Specifications, and Bid Documents shall become part of the contract. The Board of Directors of Las Virgenes Municipal Water District reserves the right to reject any and all bids and to waive any and all irregularities in any bid. No bidder may withdraw their bid after the said time for bid openings until 90 days thereafter or until the District has made a final award to the successful bidder or has rejected all bids, whichever event first occurs.

The Board of Directors of the District reserves the right to select the schedule(s) under which the bids are compared and contract(s) are awarded.

BY ORDER OF THE BOARD OF DIRECTORS OF
LAS VIRGENES MUNICIPAL WATER DISTRICT

Dated: October 14, 2014

Barry S. Steinhardt
Secretary of the Board
LAS VIRGENES MUNICIPAL WATER DISTRICT

INFORMATION ONLY

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Water Distribution and Transmission System Maintenance and Rehabilitation Needs: System Indicators Report (Pg. 80)

SUMMARY:

The District operates extensive and complex potable and recycled water distribution and transmission systems. These systems consist of many components including pipelines, valves and numerous other appurtenances. All of these components are subject to failure for a variety of reasons and/or causes.

One frequently asked question is: what is an appropriate or acceptable number of system failures? Unfortunately, there is no clear answer to the question because community expectations and local policies can influence the answer as much an economics and engineering. Often the collateral damage resulting from failures can heighten awareness of the incidents, leading to a perception of an extraordinarily high failure rate even when such a rate is not actually the case.

However, several system indicators are available to evaluate the performance of water distribution and transmission systems. These indicators include hydraulic performance, water quality complaints, pressure complaints, staff observations and knowledge, and structural performance. System failures such as pipe leaks and breaks randomly occur. Simply reporting the number of main leaks and breaks does not provide the information needed to analyze the performance of the distribution system. Statistical and spatial analysis of these indicators and factors such as age, diameter, material and soil conditions are used to determine the causes of failures leading to sound rehabilitation and replacement programs.

The attached report "Distribution System Indicators" is an update of a 2006 report and provides an overview of the District's potable and recycled water systems, the system indicators used to evaluate performance and the proactive programs used to ensure reliability.

FISCAL IMPACT:

No

ITEM BUDGETED:

No

Prepared By: David Lippman, Director of Facilities and Operations

ATTACHMENTS:

Distribution System Indicators Report

Las Virgenes Municipal Water District

Distribution System Indicators

David R. Lippman, P.E. & Lindsay Cao, P.E.
10/1/2014

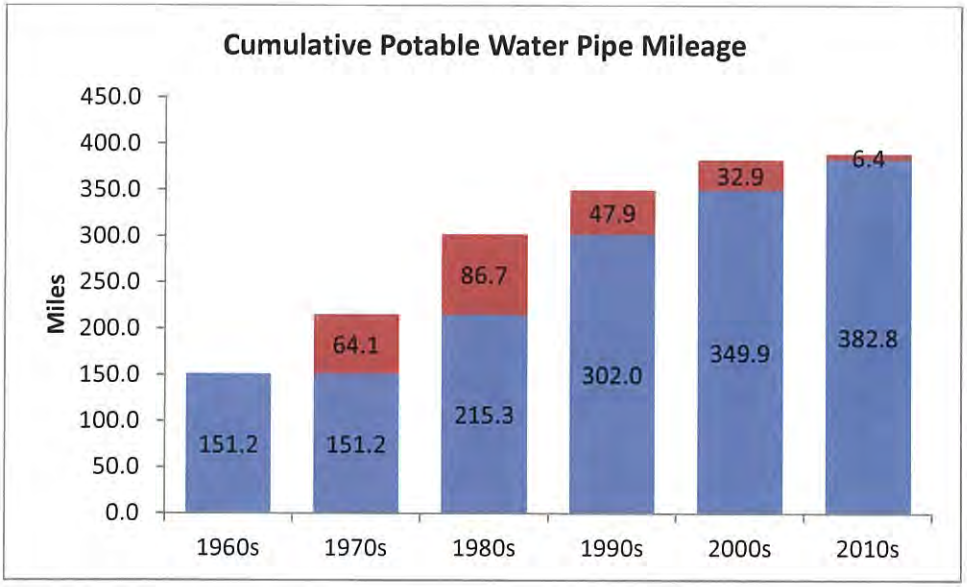
Introduction

The District has a complex potable water and recycled water distribution and transmission system made up of many different components. These facilities have been constructed over at least five decades to varying standards. As with all water systems, the system is not infallible and failures do occur. However, several system indicators are used to ascertain the condition of the system and develop rehabilitation and replacement programs. In addition, the District has many proactive programs to assure system reliability. This report provides an overview of the District's potable and recycled water systems, the system indicators used to evaluate their performance and the proactive programs used to assure reliability.

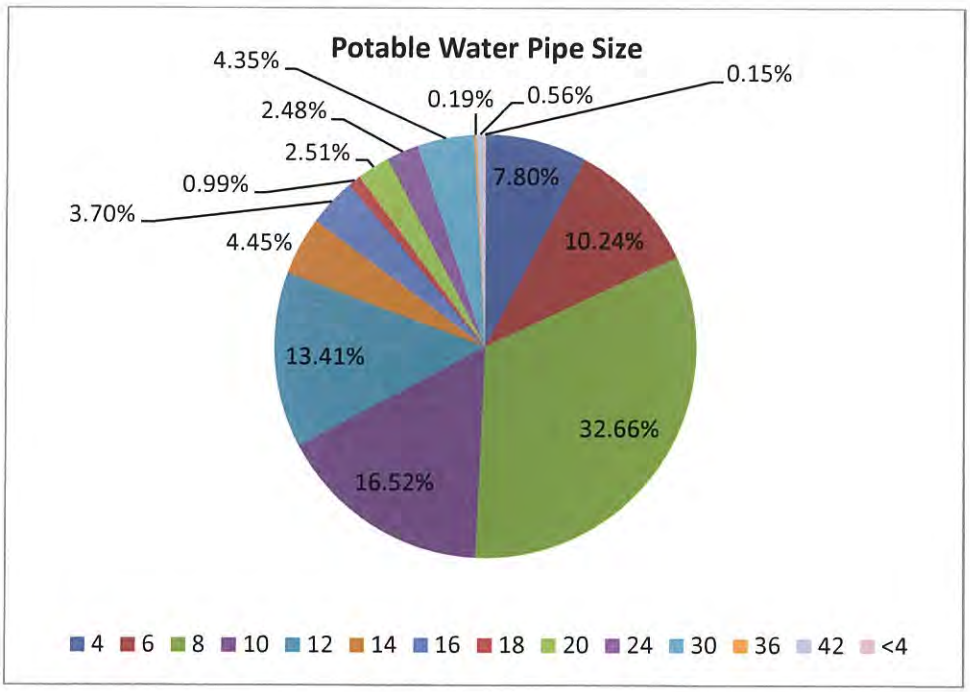
The Potable Water Transmission and Distribution System

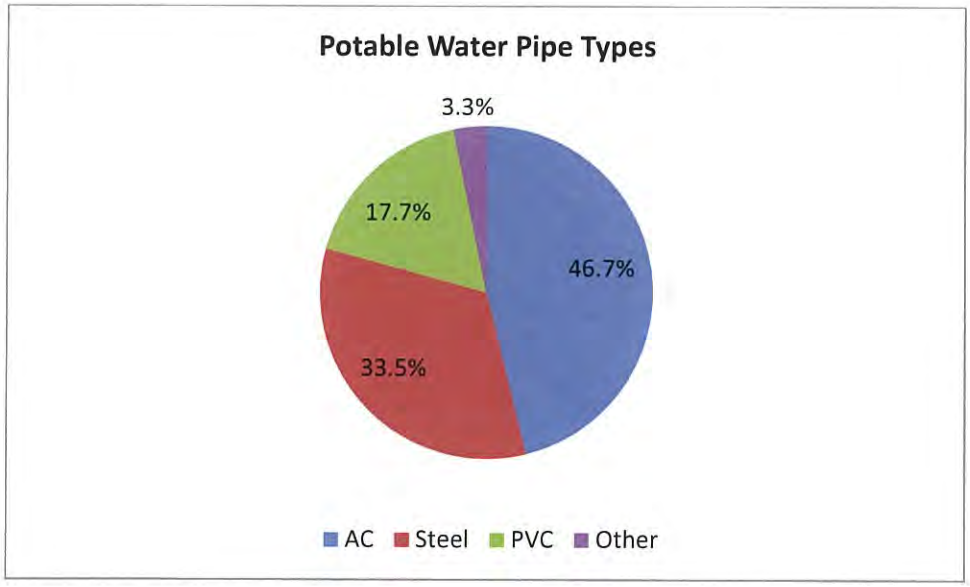
The District owns and operates a potable water system that provides service to the cities of Agoura Hills, Calabasas, Hidden Hills and Westlake Village as well as unincorporated areas of western Los Angeles County including an area north of the 118 Freeway. A main service area along the 101 Freeway and various subsystems separated by the canyons of the Santa Monica Mountains characterize the district's service area. The topography of the District varies from a few feet above sea level to elevations over 2,500 feet. This varying topography is served by 22 subsystems that include 24 pump stations and 25 tanks, a 10,000 acre-foot storage reservoir and a filtration plant. A network of almost 400 miles of potable water transmission and distribution mains connects these systems.

The initial system installed in the 1960s makes up thirty-nine percent of the District's potable water infrastructure. Mainly due to development an additional sixteen percent was installed in the 1970's; increasing by twenty-two percent during the 1980's; decreasing in the 1990's to twelve percent, then slowing down to eight percent in the 2000's, and then less than two percent in the past four years.



The pipes that comprise the potable transmission and distribution network range in size from 4 to 42 inches in diameter, with the majority of the pipe being 8 inches in diameter. Excluding service lines, there are five basic types of pipe used within the network; 33.5% is cement lined and coated steel; 46.7% is asbestos cement (AC) and 17.7% is polyvinyl chloride (PVC) pipe. The remaining pipe types are cast iron, ductile iron pipe and high-density polyethylene (HDPE), which comprise 3.3% of the inventory. The pressure classes of these pipes also vary with the majority being rated at 150 or 200 psi; however, some sections are rated as high as 550 psi. PVC replaced AC in the early 1990s for installations rated less than 200 psi. Although future installations will typically be PVC pipe, steel pipe will continue to be used when the system pressure exceeds 200 psi, or the facilities are installed in undeveloped areas.





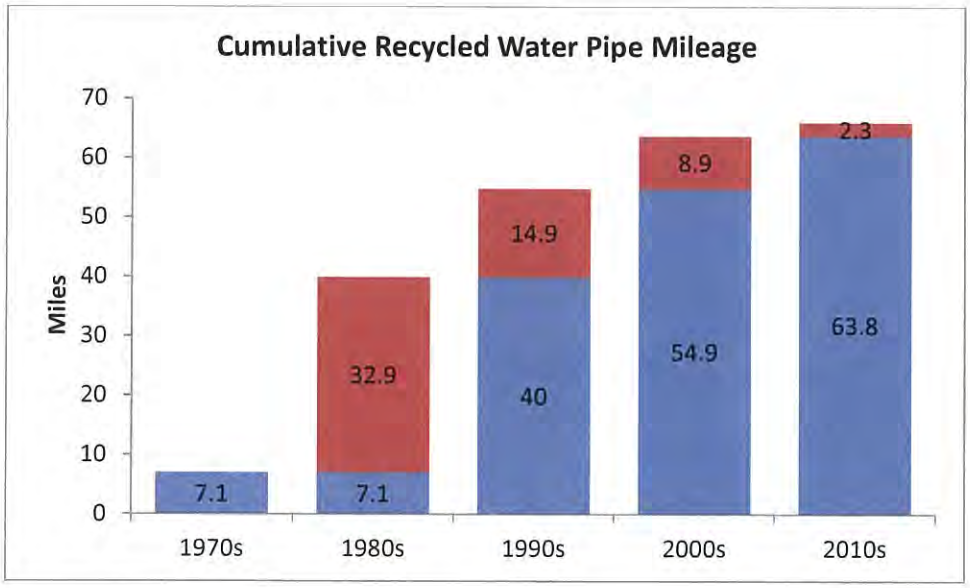
Associated with the pipe network are appurtenances that allow for operation and maintenance of the system; including mainline valves, flush outs, air and vacuum valves, pressure reducing valves, cathodic test stations and fire hydrants. Many of these appurtenances are constructed of cast or ductile iron and are susceptible to damage from corrosion and accidents.

In addition to these appurtenances, there are service assemblies that provide metered water to district customers. A typical domestic service assembly is sized between 3/4 and 2 inches in diameter and is connected to the distribution pipe by a valve called a corporation stop. A one to two-inch copper service line

connects the corporation stop to the meter assembly.[1] There is an estimated 75 miles[2] of service lines within the district. Service assemblies greater than 2 inches are typically connected to the main by a gate valve and a section of pipe. There are approximately 127 services larger than 2 inches within the district. When a property has private on-site fire protection,[3] a separate meter called a detector check is installed to meter water use within the fire system, and provide backflow protection. There are 591 detector checks in the district ranging in size from 2-10 inches.

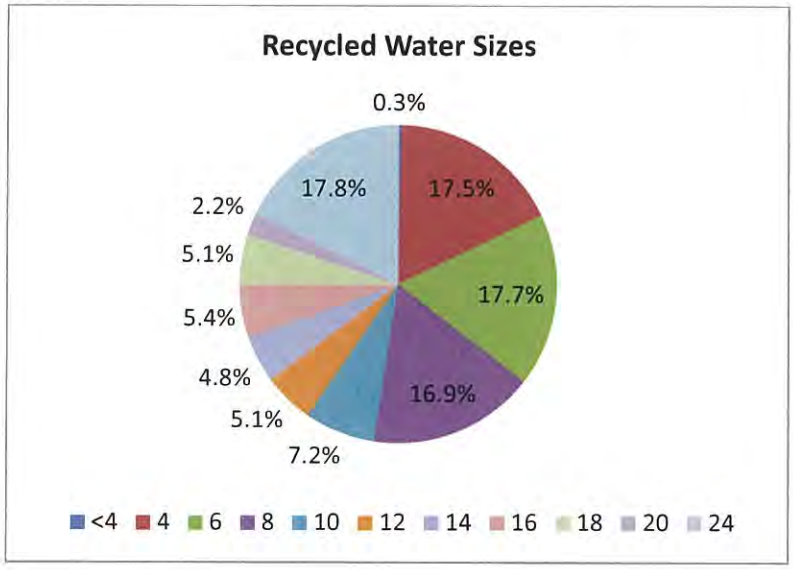
The Recycled Water Transmission and Distribution System

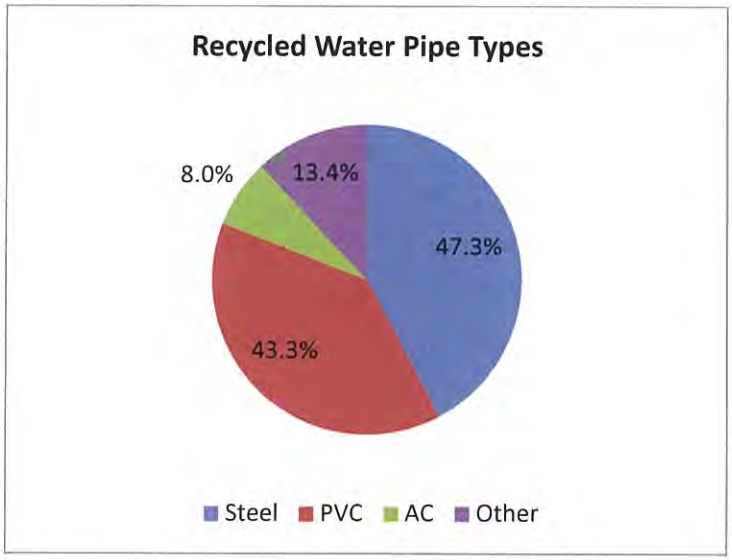
The District and its Joint Power Authority partner, Triunfo Sanitation District, also own and operate a recycled water system that includes 66 miles of transmission and distribution mains. The Las Virgenes Valley system, the Eastern (Calabasas) system and the Western system are the three major subsystems that comprise the recycled water system. The first major installation of the recycled water system was in 1971 when the transmission main from Tapia to Reservoir 2 was installed. Between 1979 and 1981, the system was expanded to the east to serve the Calabasas Golf Course. Beginning in 1986, the system was expanded from Reservoir 2 to the Ventura County line by constructing 19.9 miles of main. This extension provided the means to serve areas such as North Ranch in Ventura County. The system continued to expand at a slower rate connecting various customers and new developments to recycled water.



[1] Three-quarter and one inch meter assemblies are connected to the main by a one inch service line. There are also some plastic services lines however the majority of service lines are copper.
[2] 19,936 services at an average length of 20 feet are approximately 75 miles.
[3] Private on-site fire protection systems include interior sprinkler systems as well as private fire hydrants.

The pipes that comprise the recycled transmission and distribution network range in size from 4 to 24 inches in diameter. Excluding service lines, there are four types of pipe used within the recycled system; 47% is cement lined and coated steel; 41% is polyvinyl chloride (PVC) pipe; 11% is asbestos cement (AC); and less than 1% is ductile iron pipe. Future installations will typically be steel, or PVC pipe depending on the location and pressure rating.





Similar to the potable water system, the recycled system includes appurtenances such as main line valves, flush outs, air and vacuum valves, pressure reducing valves, and cathodic test stations[4]. In addition to these appurtenances, there are service assemblies that provide metered water to district customers. A typical

[4] Fire hydrants are not installed on the recycled water system.

recycled water service assembly is sized between 3/4 and 2 inches, and is connected to the main by a valve called a corporation stop. A 1 or 2-inch copper service line then connects the corporation stop to the meter assembly. There are 701 recycled water services. Service assemblies greater than 2 inches are typically connected to the main by a gate valve and a section of pipe like a fire hydrant. There are approximately 47 recycled water services larger than 2 inches within the district.

System Indicators

There are several indicators of the reliability and performance of a transmission and distribution system. These indicators include hydraulic performance, water quality complaints, pressure complaints, staff observation, knowledge, and structural performance.

Hydraulic Performance

The Potable Water and Recycled Water Master Plans, completed in 2014, analyzed the hydraulic performance of the system under current and future demand conditions. These plans provide phased recommendations to address current and future hydraulic deficiencies in the transmission and distribution system. Several of these recommended projects are currently under design or construction. Examples of completed projects include the transmission main improvements associated with the Backbone Improvement Program and the 24-inch Recycled Water Transmission Main from Tapia to Mulholland Hwy. The Five-Year Infrastructure Investment Plan is the planning document for near term projects. Included in this planning document are rehabilitation and replacement projects such as rehabilitation of pressure reducing stations that have reached the end of their useful life.

Water Quality Complaints, Pressure Complaints

Pipe condition and system demand play a major role in water quality. The district has maintained a database for water quality and pressure complaints since 1994. Some causes of water quality problems are water stagnation, corrosion and temperature changes. Since 1995, the district has also maintained a database for water pressure complaints. Most pressure complaints are related to individual pressure regulator problems. All water quality and pressure complaints are investigated to determine the cause and necessary corrective action taken to remedy the problem. Review of the water quality and pressure complaints can identify systematic system issues. As an example, a cluster of "red water" complaints could indicate failing lining of a cast iron distribution pipe. The review of the water quality and pressure complaints has not identified any system issues.

Staff Observation and Knowledge

The observations and knowledge of the system performance by the staff that operates and maintains the potable water and recycled water identifies many of the needs for rehabilitation or replacement. As an example in the older sections of the distribution system there are fewer mainline valves then the newer sections. This leads to outages that are more extensive. Based on staff's knowledge additional mainline valves can be installed lessening the impact from outages.

Involvement in industry organizations such as the American Water Works Association provides the means for staff to increase their knowledge and apply this information to the District's rehabilitation and replacement programs. As an example District staff contributed to a Water Research Foundation study "Answers to Challenging Infrastructure Management Questions." This study attempts to answer many of the same questions asked by utility managers and elected officials such as "How long will our pipelines last?" The executive summary from this study is attached to this report.

Structural Performance

As with all mechanical systems, the network of pipes, appurtenances and service assemblies experience failures due to a variety of causes. These failures are indicators of the structural performance of the system. For the last 20 years a comprehensive database has been maintained on leaks and breaks in the potable and recycled water transmission and distribution systems. The database is compiled from leak reports prepared by field staff following the repair of a failure. The leak report contains information on the location, estimated water loss, cause and method of repair of the failure. Data from the leak reports are compiled statistically and mapped in GIS. Pipe leaks and breaks randomly occur. Simply reporting the number of main leaks and breaks does not provide the information needed to analyze the performance of the distribution system. Statistical and spatial analyses of factors such as age, diameter, material, soil conditions and pressure zone are used to determine the cause of leaks or breaks. The following section describes the analysis of the structural performance of the distribution systems.

Volume of Breaks and Leaks

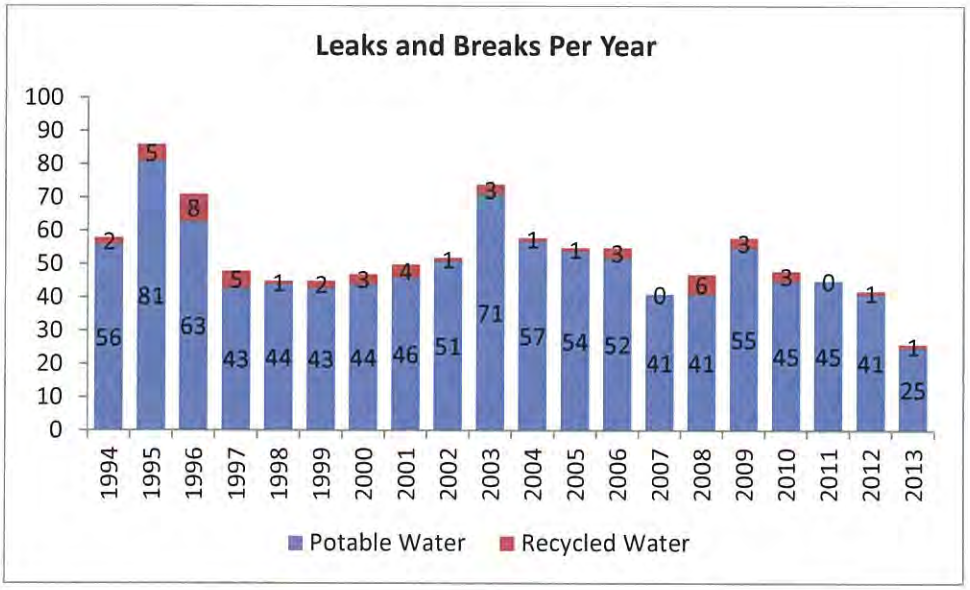
One of the questions frequently asked is what is an appropriate or acceptable level of system failures? There is no one clear answer to this question because community perceptions and local politics can determine this as much an economics and engineering. Often the collateral damage resulting from these failures heightens the perception of extraordinarily high failure rates even when they are not. However, several studies suggest "reasonable goals" of breaks per 100 miles of pipe per year. A 1995 study suggested 25 to 30 per 100 miles per year and a 2010 study suggested 15 per 100 miles per year. For transmission

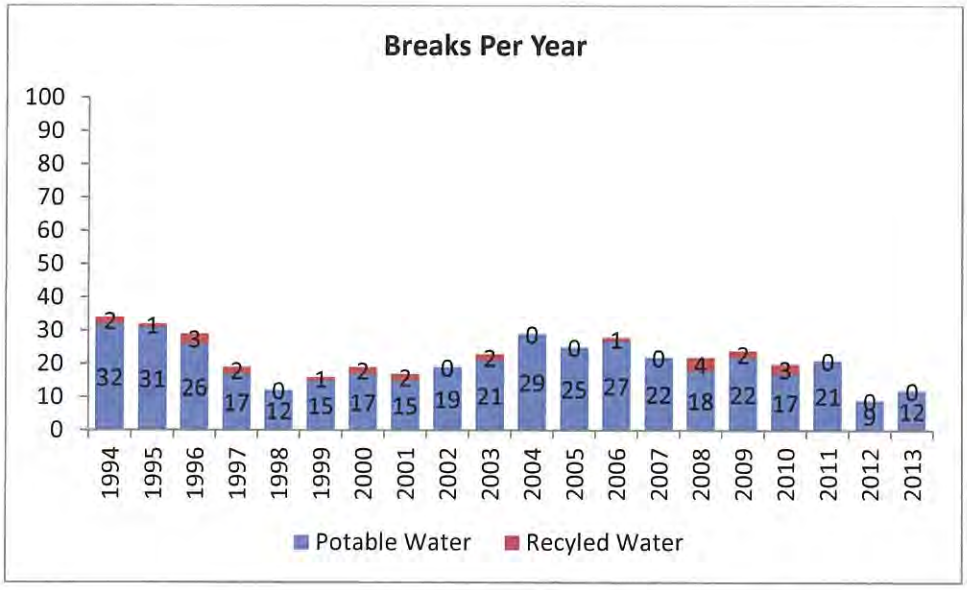
mains and other critical facilities where the consequence of failure is greater these rates may not be appropriate.

The following table shows the number of leaks and breaks and breaks alone for the last 19 years and the rate per 100 miles per year for the potable water and recycled water systems. The rates are within the suggested range. Recall that leaks are defined as failures on service lines and breaks as failures on pipe or appurtenances.

	Leaks & Breaks	Breaks	L&B per 100 miles per year	Breaks per 100 miles per year
Potable Water	998	407	11	5
Recycled Water	53	25	4	2

The number of breaks and leaks fluctuates year to year and there is no one answer why they fluctuate. Although weather, temperature changes, changes in operating conditions and demands fluctuate year to year, creating stresses on pipes causing failures. The following charts illustrate the number of leaks and breaks and break alone per year.

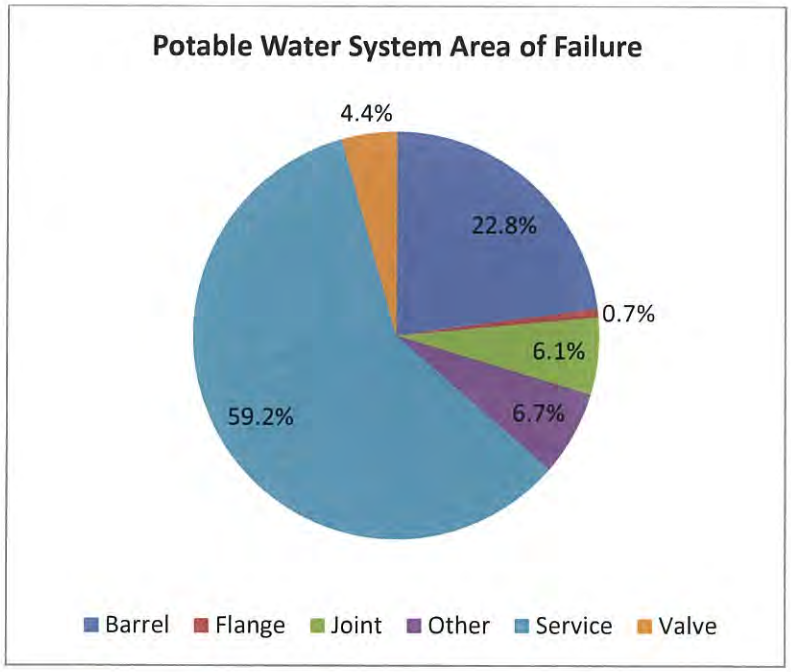


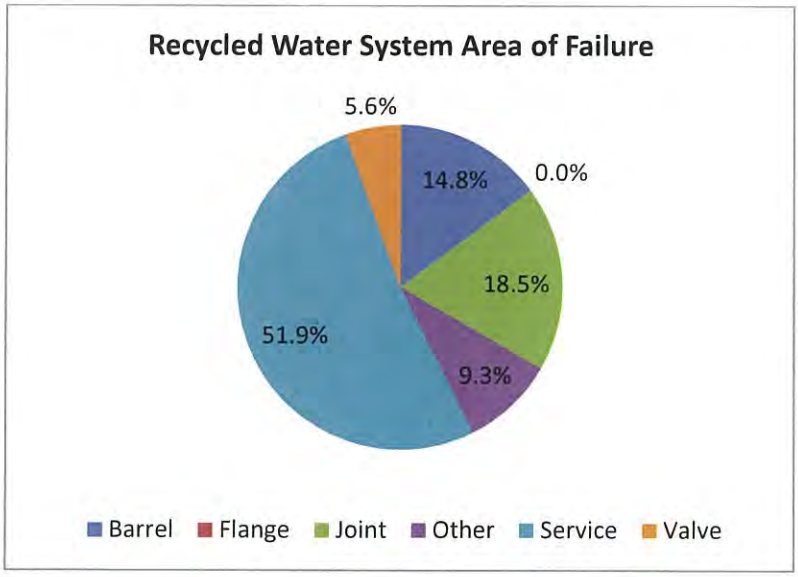


Area of Failure

Many components make up the potable water and recycled water transmission and distribution systems. Anyone of these components can fail from a variety of causes. The area of failure is tracked allowing analysis of trends that support rehabilitation and replacement programs.

Over half of the failures in both the potable water and recycled water system are on the copper service lines that connect the distribution main to the meter. These service lines fail due to corrosion and external stresses. As an example, the copper lines will vibrate under certain flow conditions and rub against a rock in the backfill resulting in a failure. The next most common area of failure is on the pipe barrel. Twenty-three percent of the failures in the potable system are on the pipe barrel while fifteen percent of failures in the recycled water system are on the pipe barrel. The causes of these failures are discussed in the next section.

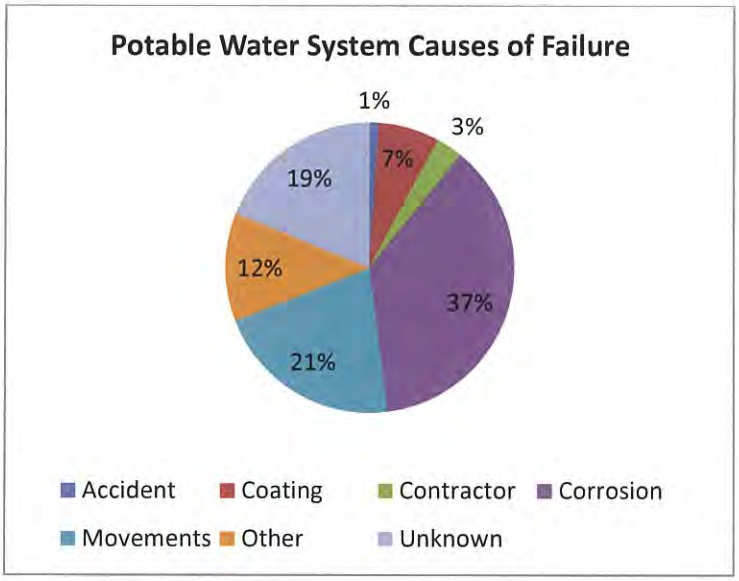


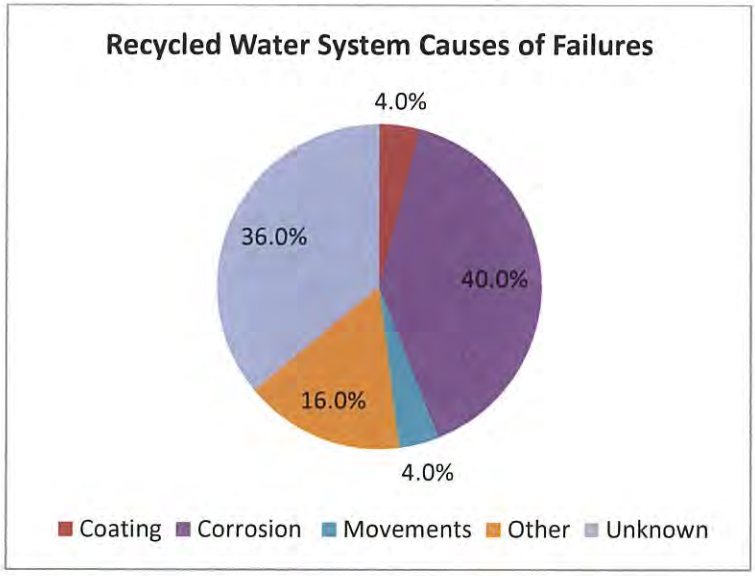


Causes of Failures

Distribution system components fail when structural stresses exceed the remaining structural capacity of the component. Structural stresses can result from internal pressures, pipe bending, temperature changes, external loads and fatigue. When first designed distribution system components generally have a minimum safety factor of 1.5 to 2.0 against failure for calculated static loading conditions. Corrosion and other aging processes reduce the safety factor over time. In both the potable water and recycled water systems corrosion causes approximately 40% of the failures. Often this results from older installation standards and poor workmanship. The following charts show the cause of failure

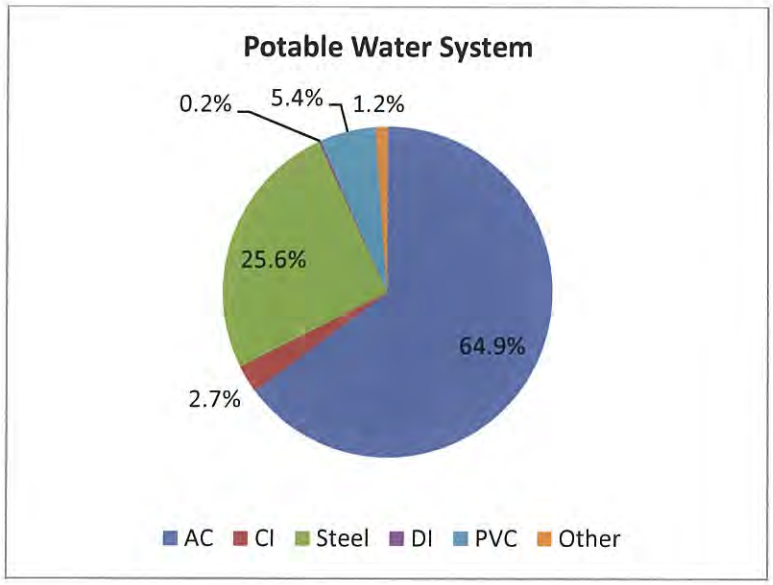
for breaks only. Leaks or failure of service lines are excluded whose primary mode of failure is corrosion.

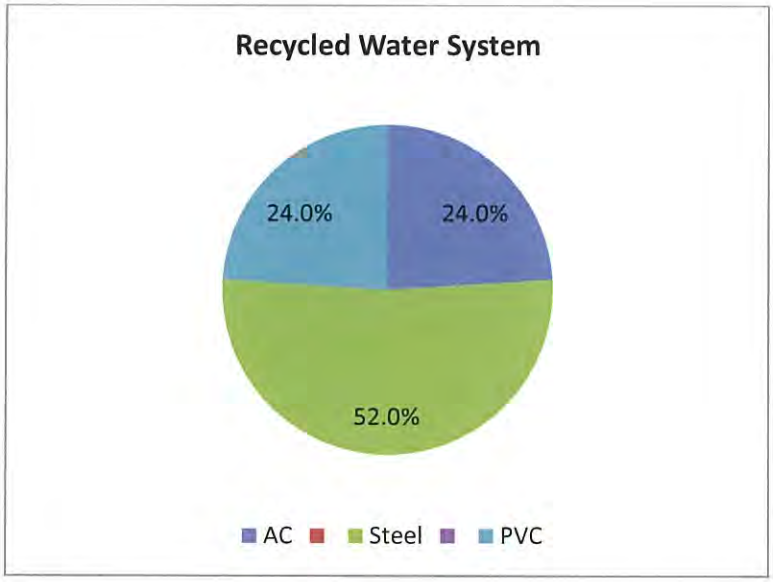




Breaks by Material Type

Breaks are also tracked based on pipe material. Sixty-five percent of breaks occur on AC pipe in the potable water system. This is not unexpected because 47% of the potable water system is comprised of AC pipe. These can be failures of the pipe itself or corrosion of the cast and ductile iron fittings that a part of the system. In the recycled water system over 50% of the failures are on steel pipes that make up 47% of the inventory. The following charts show the percentage of breaks correlated to pipe material.





Using the Information

As described in the previous sections there is many data available from the system indicators of hydraulic performance, water quality complaints, pressure complaints, staff observation and knowledge and structural performance. There can be a tendency to develop a pipeline replacement program based on life expectancy only. However, many studies have shown that age itself is a poor indicator of the condition of pipelines rather it is the analyses of the many system indicators that lead to a sounder assessment of pipeline condition. In reality, the life expectancy of a pipeline is when the decision is made to stop repairing the pipe and replace it. A break is often the first indicator that a pipeline has lost strength and is growing more susceptible to failures causing the resulting

collateral damage. This often leads to a reactive process where condition assessment and analysis is used to ascertain a pipeline's condition. The data collected by the leak reporting process and other system indicators coupled with the spatial analysis offered by GIS allows staff to develop rehabilitation and replacement programs. The next section describes many of the proactive programs the District has to prolong the useful life of the system and avoid premature failures.

Proactive Programs

Valve Maintenance Program

The valve maintenance program systematically maintains all valves, fire hydrants, air-vacuum release valves and blow-off valves in the water distribution system. The program is based on a geographic division of the district into regions. Maintenance of these appurtenances generally consists of the verification of operation, cleaning, painting and inspection. This program is required by the State Water Resource Control Board Division of Drinking Water as a permit requirement for the water system.

Water Main Flushing Program

The water main flushing program systematically flushes the distribution system to assure water quality by preventing biofilm build up, stagnation and nitrification. During the flushing process valves, fire hydrants and blow-off valves are exercised assuring operation. This program is required by the State Water Resource Control Board Division of Drinking Water as a permit requirement for the water system.

Leak Repair and Reporting

The district has standard procedures in place to respond to a variety of leaks based on American Water Works Association standards, Division of Drinking Water regulations and industry practices. These procedures provide guidelines for the proper use of materials, safety considerations and protection of the public's health and safety. Leaks range from minor leaks on a meter service to larger transmission main failures.

All leaks are documented, as to pipe type, location, mode of failure, and estimate of water loss and repair methods. This allows they district to analyze patterns of failure to anticipate and plan replacement and repair needs.

Corrosion Control Programs

Several of the district's large transmission mains have active cathodic protective measures in form of impressed current systems. These systems are monitored

routinely providing data to anticipate failures. Passive cathodic protection is also utilized such as the installation of sacrificial anodes at the point of repair of metallic pipes. Non-protected metallic pipes often have "test points" installed that allow monitoring of the pipeline. These test points are routinely inspected.

Supervisory Control and Data Acquisition (SCADA)

The pumping and storage facilities in the distribution system are equipped with a SCADA system that provides operational data and 24-hour alarms to the district's operation center. The alarms and operational data can also provide an indication of problems within the distribution system. As an example, a rapid drop in storage level can indicate a main break. In addition to the SCADA system, water system operators routinely physically check pumping stations, storage facilities and the distribution system. The District provides stand by personnel 24 hours a day to operate the distribution system and respond to emergencies. Stand-by staff has laptops that provide remote monitoring of the water system. Supervisors and managers are available 24 hours a day to assist as necessary.

Customer Service Meter Reading

Every meter in the district is either physically or automatically read every two months. In addition to the meter reading the customer service staff is trained to observe and inspect the water system during their routes. The customer service staff generates customer service orders (CSO) when maintenance needs are required and report system problems to the operations staff that are investigated and appropriate actions taken.

Evolving Standards

The standards used for distribution and transmission facilities are constantly evolving to provide longer life expectancies. Staff utilizes standards developed by organizations such as AWWA and ANSI and these are often adapted to the District's unique circumstances.

Facilities Inspection

All new facilities are inspected by district staff or contractors with specialized skills to assure compliance to contract specifications and standards. Facility inspectors are also utilized to inspect and evaluate existing facilities. As an example every five years each storage reservoir is taken out of service for inspection, maintenance and cleaning.

General Procedures

The procedures used by the district are based on state and national industry standards such as the American Water Works Association, county and state health regulations, OSHA, ANSI and many others. All operation, maintenance

and customer service staff are trained and expected to recognize potential problems within the district distributions system. As they go about their routine duties potential problems are reported to operation or maintenance staff for investigation and action.

Staff Training and Certification

Operations, maintenance and customer service staffs are routinely trained on system operations, safety and maintenance procedures to assure reliable system operation. Certification and licenses issued by the Division of Drinking Water and/or American Water Works Association are required for many positions in accordance with district policy and state regulations.

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Answers to Challenging Infrastructure Management Questions

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Answers to Challenging Infrastructure Management Questions

Prepared by:
Dan Ellison, Graham Bell, Steven Reiber, and David Spencer
HDR, 701 E. Santa Clara Street, Suite 36, Ventura, CA 93001

Andrew Romer
AECOM, 999 Town and Country Rd., Orange, CA 92868

John C. Matthews
Battelle Memorial Institute, 7231 Palmetto Dr., Baton Rouge, LA 70808

Ray Sterling
Louisiana Tech University (retired), P.O. Box 10348, Ruston, LA 71272

and

Samuel T. Ariaratnam
Arizona State University, P.O. Box 875306, Tempe, AZ 85287-5306

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CONTENTS

LIST OF TABLES xiii

LIST OF FIGURES xv

FOREWORD xix

ACKNOWLEDGMENTS xxi

EXECUTIVE SUMMARY xxiii

CHAPTER 1 - INTRODUCTION 1
- Project Approach 2
- How big is the problem—How well are we keeping up with our infrastructure? 3
- How does infrastructure affect the distribution system? 3
- What are the benefits of an infrastructure assessment and renewal program? 4
  - Economy 4
  - Water Quality 4
  - Customer Satisfaction 5
  - Improved Fire Low and Hydraulics 5
- Why did the pipe break on Maple Street? What are you doing about it? 5
- What does the future hold? 6

CHAPTER 2 - ASSET MANAGEMENT 7
- What Exactly is Asset Management? Where can I learn about it? 7
- How do I plan for future infrastructure replacement? 8
- Given limited resources, what data should I focus on first? 9
- What is a "leak"? What is a "break"? Are terminology and data conventions holding the industry back? 10
- What data should I be collecting related to repairs? 10
- What other data may be useful for decision making? 11
- With these data, can I predict when a pipe will break? 11
  - Can't we use artificial intelligence to figure this out? 14
- How do I store and manage these data? 14
  - How should asset data be organized? 15
- How long will my pipes last? 15
  - How do I estimate useful life expectancies? 16
  - Other sources of information on asset life prediction 23
  - What does experience tell us about the useful lives of pipe? Are expectations increasing? 23
- When should a pipe be replaced? 24
  - Rules of Thumb / Trigger Points 25
- Shouldn't we consider other costs? What about the triple bottom line? 26
  - Costs of infrastructure failure 26
- What about the value of maintaining a reputation for excellent service? 26

Are customers really willing to pay for this service? 27
How do these service levels compare to industry performance? 27
What is an appropriate level of service for main repair rates? 27
What tools can assist in determining an appropriate service level? 28
How do the concepts of risk management apply to infrastructure renewal decisions? 29
Risk Evaluation Concepts 30
What does "risk management" really mean? 34
How do I budget for infrastructure replacement? 35
If the future program appears unaffordable, what can be done? 37
How will I know if the renewal level is adequate? 38
What happens if we do nothing? 39
AWWU Case Study: How Asset Management and Condition Assessment Reduced the Financial Burden Facing One Utility 39
How do I select pipes for assessment or renewal? 41
Other Factors to Consider in Selecting Pipes to Assess and Renew 42
How important are leak data and leak management? 42
How do I know that I'm managing my system effectively? 43
Other sources of information for system performance evaluation 43
Besides the break rate and water loss percentage, what other metrics can be used? 44
How can I compare our operations to others? 44
Portland Water Bureau Case Study: Developing the tools and processes to measure performance 45

CHAPTER 3 - MATERIAL PERFORMANCE AND CORROSION PROTECTION 49
What causes pipes to fail? 49
What are the loads that fail pipe? 49
Internal Pressure 49
Beam Bending 50
Temperature 50
External Loading 51
Fatigue 51
What are the aging processes associated with water pipes? 51
Iron pipe aging 53
Steel Aging and Corrosion Protection 58
Stray Current Corrosion 58
PVC Aging 59
Polyethylene aging 60
Asbestos Cement Pipe Aging 62
Concrete Pipe Aging 65
What factors drive or slow metal corrosion? 68
What are the life expectancies of different pipe materials? 70
Comparison of Main Repair Rates 71
How do the failure rates of different pipe material compare in North America? 72
How do future failure rates compare? 73
Future PVC Failures 73
Future HDPE Failures 74
Future Ductile Iron Failures 75

Why is Portland cement so effective in corrosion protection of pipes? 76
How long will the cement mortar lining last? 76
How well do the different pipe materials perform in earthquakes? 77
Can I make the new pipes last longer? 78
Can I make the existing pipes last longer? 79
Lining Programs 79
CP System Retrofits 79
Pressure Management 80
Water Conditioning 80
Break Repair Anodes 80
How do the failure consequences of different materials compare? 80
Crack Propagation 81
In summary, which pipe material performs best for water mains? 82
What pipe should I use for service lines? 83
How long do valves, hydrants, and other system appurtenances last? 84
How long will tanks and reservoirs last? 85
Corrosion Protection of Steel Tanks and Steel Roof Structures 85
Aging Processes for Concrete Tanks and Reservoirs 86
Mitigating concrete deterioration 88
What causes tanks and reservoirs to fail? 89
How well do tanks and reservoirs perform in earthquakes? 89

CHAPTER 4 - WATER QUALITY AND INTERNAL CORROSION 91
How do I assure that good quality water arrives at the tap? 91
Are health issues associated with "dirty water" events? 93
What makes water aggressive? 94
With all those factors, how can I tell whether my water is aggressive? 96
Can the corrosivity of the water be measured? 96
Should the water be conditioned so it's less aggressive? 97
What corrosion inhibitors work best for copper and lead? 98
What corrosion inhibitors work best for cement mortar linings, AC pipe, and other concrete pipe? 99
Does the use of corrosion inhibitors have any deleterious side effects? 99
What's the best way to reduce lead? 99
Does partial lead service line replacement (PLSR) make sense? 100
Should water mains be cleaned? 101
How should pipes be cleaned? 101
Unidirectional Flushing 101
Air Scouring 102
Ice Pigging 103
Swabbing and Pigging 103
Cleaning and Lining 104
Other Cleaning Methods 104
How often should a system be flushed? 104
How can I diagnose a water quality complaint? 105
What causes depletion of disinfectant in the system? 105
What causes pitting on copper service lines and domestic plumbing? 107

What creates blue water? How can it be eliminated? 108
Has simultaneous compliance with various regulations (DBP and TCR) adversely influenced corrosion control? 108
What are the utility's obligations in responding to customer water quality and corrosion complaints? 195
How does a utility protect itself from litigation? 109
How well do plumbing materials perform? 110
What's a reasonable service life for distribution and domestic plumbing? 110
Can dezincification of brasses be controlled through corrosion control efforts? 111
What are the challenges of integrating (blending) new water supplies into old systems? 111
How does re-equilibration relate to corrosion? 112
What parts of the distribution system are at greatest risk of re-equilibration issues? 113
What about desalinated water and re-equilibration? 113
How do issues of "water age" affect water quality? 113
Perception versus reality: Is the nation's drinking water quality degrading? 114

CHAPTER 5 - CONDITION ASSESSMENT 115
How should the overall health of the system be assessed? 116
Desk-Top Reliability Studies 116
Where should a detailed condition assessment be performed? 117
Root-Cause Analysis of Failures 118
Statistical Analysis of Failures 119
Supplemental Data Collection 119
Prioritization Model 119
How do I justify the cost of condition assessment? 120
How do I do a detailed condition assessment project? 121
Step 1. Project Planning 121
Step 2. Initial Assessment 121
Step 3. Field Inspections 122
Step 4. Engineering Analyses 122
Step 5. Renewal Planning 123
How should small mains be assessed? 123
Leveraging NDE Data for Assessing Small Diameter Pipelines (WaterRF Project 4471) 123
The Assess-and-Fix Approach (WaterRF Project 4473) 124
What field assessments are recommended? 124
How should the Structural Integrity of iron and steel mains be assessed? 126
Soil Corrosivity Testing 126
Pipe-to-soil Potential Measurements 126
External Direct Assessment 127
External Structural Condition Inspection Tools for Iron and Steel Mains 128
Integrity Testing using Controlled Destructive Examination of Iron and Steel Mains 129
In-pipe NDE Methods for Iron and Steel Mains 130
How should the condition of asbestos cement pipe be assessed? 132
How can the condition of Polyvinyl chloride (PVC) pipe be assessed? 132

How can the condition of HDPE be assessed? 133
Isn't there an inexpensive, non-invasive method for small mains? 133
Acoustic Velocity Testing 133
How can I determine the condition of a prestressed concrete pipe? 135
Remote-field transformer-coupled (RFTC) 135
Acoustic emission monitoring 136
Manned in-pipe inspection and sounding 136
Seismic Pulse Echo 136
What techniques can be used on *non-prestressed* concrete pipe? 136
How do I assess a large-diameter pipe that cannot be taken out of service? 137
Why aren't these NDE devices more commonly used? 137
City of Calgary Case Study – Using NDE to Guide a Small Main Renewal Program 138
What does a detailed condition assessment of a pipeline cost? 140
Should I look for leaks? 140
How do I find leaks? 141
Water Loss Audits and Leakage Analysis 141
Leak Surveys 141
Leak detection equipment? Digital correlators? 141
In-pipe leak detectors 142
What about continuous leak detection? 142
Acoustic Sensor Data Loggers 142
Automatic Meter Reader (AMR) Systems 143
Combination acoustic and AMR systems 143
Other Leak Detection Tools 143
How do I locate the pipes? 144
Metal Detectors 145
Ferromagnetic Locators 145
Radio Transmission Locators 145
Ground Penetrating Radar 146
Other Nonmetallic Pipe Locators 146
Pot holing and vacuum excavation 146
How do I assess soil corrosivity? 147
Electromagnetic conductivity survey 147
Electrical resistivity tests along the alignment by the Wenner Four-Pin Method 148
Laboratory tests on soil samples 148
Linear Polarization Resistance (LPR) 148
Stray-current Evaluation 149
Can I tell how fast a pipe is corroding? 149
Can I tell if the corrosion protection systems are working? 150
Evaluation of Existing Cathodic Protection Systems 150
In-situ Evaluation of Coating Performance 150
Should I dig down to the pipe to assess its condition? 150
Should I do coupon testing? 151
Pipe Coupon Removal 151
Coupon Insertion 152

Should I put a camera inside the pipe? 152
Can I monitor the performance of pipelines and detect impending failures? 153
How can I assess the condition of pipeline joints? 153
Before testing a pipe, what other issues should be considered? 154
How, and how often, should I inspect my valves and hydrants? 155
How do I evaluate tanks and reservoirs? 155
Steel Tanks and Structures 155
Concrete tanks and reservoirs 157
Health-issues and other concerns 157
How should pump stations and treatment plants be evaluated? 158

CHAPTER 6 - PIPELINE RENEWAL METHODS 161
If pipe rehabilitation is so great, why isn't it used more? 161
What does a typical rehabilitation project involve? 162
What methods should I use for pipeline renewal? 162
In-Situ Cement Mortar Lining 164
Epoxy and Other Polymer Linings 165
Structural Liners / Trenchless Replacement 166
How do I choose among the various lining methods? 172
What other rehabilitation alternatives exist? 173
Cathodic Protection Retrofits 173
Spot Repairs and Segment Replacements 174
Can rehabilitation strengthen the pipe? 174
How do I design a pipe lining? 175
Non-structural lining design 176
Design of fully-structural rehabilitation 176
Semi-structural lining design 176
How do the various lining materials perform? 177
Cement mortar linings 177
Non-Structural Polymer linings 177
Structural lining materials 177
Semi-Structural Systems 178
What factors are hindering greater use of rehab for water mains? 178
After rehabbing a pipe, how do I reconnect services without digging holes up and down the street? 179
Can I line through valves and fittings? 180
How do I keep customers supplied during a rehab project? 180
What other trenchless methods can be used for water pipes? 182
Horizontal directional drilling (HDD) 182
Jack-and-bore 182
Pipe ramming 182
Tunneling/microtunneling 182
Pilot-tube microtunneling 182
Piercing tools/moles 182
Service line pulling or splitting 182
Should I clean my pipes? How should I clean my pipes? 182
Should tuberculation be removed? 183

How do I get a pipeline renewal project started? 184
Construction Management and Inspection 185

CHAPTER 7 - MANAGING A WATER MAIN RENEWAL PROGRAM 187
How do I build a case for a proactive renewal program? 187
How much money will I need? 187
How do I sell the program to my customers and the board? 188
How can I fund my program? 189
Bonding 189
Rate surcharges 189
Redevelopment Programs 190
Developer Funding 190
Public / Private Partnerships 190
Government grants and loans 190
Long-term maintenance and warranty programs 190
Once I get the money, what's the best way to spend it? 191
What else is important in delivering a first-rate program? 192
Customer-first attitude 192
Hold the contractor responsible 192
Say "no" to petty contractor claims 192
Make provisions for the genuine extra work that will occur 194
Trust, but verify 195
Ask your customers for a report card 195
Celebrate successes 196

APPENDIX A - COMMON WATER SYSTEM CORROSION PROCESSES 197
Galvanic (or bimetallic) corrosion 197
Galvanic series 197
Cathode and anode size 197
Corrosion pitting and rust holes 198
Cathodic protection 198
Passivation 198
Stray-current corrosion 199
Leaching 199
Sulfate Attack of Concrete 200
Alkali-Silica Reaction 200
Tuberculation 200

APPENDIX B - TYPICAL GALVANIC SERIES 201

APPENDIX C - RISK MANAGEMENT TOOLS USED BY WSSC AND SPU 203
Washington Suburban Sanitary Commission (WSSC) 203
Seattle Public Utilities (SPU) 204

REFERENCES 213

ABBREVIATIONS 223

ITEM 5B

LIST OF TABLES

2.1 Various pipe life expectancy benchmarks 21

2.2 Factors Used in Assessing Pipe Failure Risk 34

2.3 Results of KANEW Analysis for 5 Water Systems 37

2.4 Benchmarking Metrics Used in 2011 AWWA Survey of Members 45

3.1 Summary of Water Pipe Aging and Failure Processes 52

3.2 Factors Which Promote or Retard Corrosion 69

3.3 Factors Which Affect Soil Corrosivity 70

3.4 Water Main Failure Rates in the UK 72

3.5 General Comparison of Seismic Performance of Common Water Main Materials 78

3.6 General Comparison of Risk Factors for Common Water Main Materials 82

3.7 Tank/Reservoir Seismic Vulnerabilities 90

4.1 Factors Which Affect Water Corrosivity 94

4.2 Comparison of Common Water Main Cleaning Methods 101

5.1 Water Main Aging Processes and Field Assessment Methods 125

5.2 Assessments of Pump Stations and Plants 158

6.1 Common Water Main Rehabilitation Methods 163

ITEM 5B

ITEM 5B

LIST OF FIGURES

2.1 SAM-GAP analysis example 8

2.2 Infrastructure renewal planning 9

2.3 Contrasts in pipe deterioration 16

2.4 Example of performance modeling for two asset classes 17

2.5 Example of Weibull failure modeling of a medium-sized water system 19

2.6 Illustration of the Yule effect 20

2.7 The downward trends in LADWP main leak and break rate 24

2.8 The return on investment model for asset replacement 25

2.9 The LADWP shot seen 'round the world 29

2.10 The two dimensions of risk 31

2.11 A relative risk assessment system 31

2.12 The consequences of failure of a 66-inch transmission main near Washington, DC in 2008 32

2.13 Relative Risk vs. Pipeline Size 33

2.14 Example of Nessie curve 36

2.15 Pipe installation history, Ventura, California 38

2.16 Example of a long-term break for a medium-sized city 39

2.17 Information value chain 40

2.18 Comparison of planning-level asset renewal estimates, before and after statistical analysis of pipe longevity in the AWWU system 41

2.19 Comparison of Portland Water Bureau with other project participants in International Asset Management Performance Improvement Project 46

ITEM 5B

2.20 Comparison of Portland Water Bureau's 2008 and 2012 results in International Asset Management Performance Improvement Project 47

3.1 Minimum wall thicknesses for 36-inch iron pipe 54

3.2 One-inch diameter through hole revealed by grit blasting 6-inch ductile iron pipe 54

3.3 Predicted pit growth for ductile iron pipe in moderately corrosive soil 55

3.4 The effects of pit growth for ductile iron pipe in moderately corrosive soil 56

3.5 PVC failure mechanism 59

3.6 Phenolphthalein stain tests and SEM/EDS results for degraded AC pipe 63

3.7 Relationship between AC pipe degradation and strength 64

3.8 Year of manufacturer versus failure rates for PCCP 67

3.9 The evolution of standards for PCCP 68

3.10 Comparison of North American failure rates 73

3.11 Predicted PVC failure rates 74

3.12 Predicted HDPE failure rates 75

3.13 Examples of increasing and steady rates of ductile iron failure 75

3.14 A tale of two tanks illustrates the importance of quality coating work 86

3.15 Alkali-silica reaction cracking of a concrete tank 87

4.1 Heavily scaled 80-year old cast-iron main 92

4.2 Accumulation and release of distribution system contaminants 93

4.3 Comparison of conventional and unidirectional flushing techniques 102

4.4 Air scouring 103

4.5 Pipe cleaning pigs 104

4.6 Diagnostic chart for distribution water quality problems 106

5.1 Unlined cast-iron main, installed in 1926 and rehabilitated in 2005 115

5.2 Water distribution network assessment 116

5.3 Spatial distribution of AC pipe failures in the East Bay Municipal Utility District 117

5.4 Pipeline condition assessment model 118

5.5 Tradeoffs between degree of inspection and inspection coverage 121

5.6 Condition assessment of water mains can be considered a 5-Step process 121

5.7 Remote-field electromagnetic tool used for 6-inch ductile iron pipe assessment 124

5.8 Cathodic Protection Test Station 127

5.9 External direct assessment of mortar coated steel water pipeline 127

5.10 Remote-field electromagnetic scanning 130

5.11 Schematic illustrating magnetic flux leakage 131

5.12 In-pipe broadband EMT device and output 132

5.13 Acoustic thickness and leak testing using noise correlators at LADWP 134

5.14 Map showing water mains scanned in the City of Calgary 139

5.15 Ground penetrating radar image 146

5.16 Corrosion engineer performing an electromagnetic survey 148

5.17 Live insertion of combination video/acoustic sensor at fire hydrant 152

5.18 Example of tank float inspection 156

6.1 Cement mortar lining (before and after) 165

6.2 Epoxy lining (before and after) 166

6.3 HDPE sliplining. 167

6.4 Deforming a 24-inch HDPE pipe for tight-fit HDPE lining 168

6.5 Pipe bursting 170

6.6 Internal Joint Seal 172

6.7 Pipe bending test of CIPP lining under pressure 175

6.8 Using the pit-growth model to forecast future deterioration 178

6.9 Keyhole methods 179

6.10 Bypass Piping 180

6.11 Pipe cleaning pig emerging from a fire hydrant 183

7.1 Post project customer survey card 196

A.1 Elements of a Battery 197

FOREWORD

The Water Research Foundation (WRF) is a nonprofit corporation dedicated to the development and implementation of scientifically sound research designed to help drinking water utilities respond to regulatory requirements and address high-priority concerns. WRF's research agenda is developed through a process of consultation with WRF subscribers and other drinking water professionals. WRF's Board of Trustees and other professional volunteers help prioritize and select research projects for funding based upon current and future industry needs, applicability, and past work. WRF sponsors research projects through the Focus Area, Emerging Opportunities, and Tailored Collaboration programs, as well as various joint research efforts with organizations such as the U.S. Environmental Protection Agency and the U.S. Bureau of Reclamation.

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A broad spectrum of water supply issues is addressed by WRF's research agenda, including resources, treatment and operations, distribution and storage, water quality and analysis, toxicology, economics, and management. The ultimate purpose of the coordinated effort is to assist water suppliers to provide a reliable supply of safe and affordable drinking water to consumers. The true benefits of WRF's research are realized when the results are implemented at the utility level. WRF's staff and Board of Trustees are pleased to offer this publication as a contribution toward that end.

Denise L. Kruger
Chair, Board of Trustees
Water Research Foundation

Robert C. Renner, P.E.
Executive Director
Water Research Foundation

ITEM 5B

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Water Research Foundation Project Manager:
Frank Blaha, Water Research Foundation, Denver, CO

Water Research Foundation Project Advisory Committee:
Christina Miller, Anchorage Water and Wastewater Utility, Anchorage, AK
Jared Heller, Advanced Engineering and Environmental Services, Inc., Moorhead, MN
Jeff Leighton, City of Portland, Water Bureau, Portland, OR

Participants in Workshop 1, Cal/Nevada AWWA Conference, Reno, NV, Oct.17, 2011
Craig Close, HDR Engineering, San Diego, CA
Heather Collins, California Department of Public Health, Los Angeles, CA
Uzi Daniel, West Basin Municipal Water District, Carson, CA
Nass Diallo, Las Vegas Valley Water District, Las Vegas, NV
Andy Ferrigno, City of Huntington Beach, Huntington Beach, CA
Stephen D. Gay, Long Beach Water Department, Long Beach, CA
Duncan Lee, City of Huntington Beach, Huntington Beach, CA
Jonathan Leung, Los Angeles Department of Water & Power, Los Angeles, CA
David Lippman, Las Virgenes Municipal Water District, Calabasas, CA
Jason Lueke, Arizona State University, Tempe, AZ
John R. Plattsmier, HDR Engineering, Denver, CO
Dave Rexing, Las Vegas Valley Water District, Las Vegas, NV
J.R. Rhoads, Metropolitan Water District of Southern California, Los Angeles, CA
Jim Simunovich, Cal Water Service Company, San Jose, CA
Shonna Sommer, Calleguas Municipal Water District, Thousand Oaks, CA
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Marty Allen, Water Research Foundation, Denver, CO
Terry Benton, City of Arlington, Arlington, TX
Greg Kirmeyer, HDR Engineering, Bellevue, WA
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John Plattsmier, HDR Engineering, Denver, CO
Kurt Vause, Anchorage Water and Wastewater Utility, Anchorage, AK

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ITEM 5B

Other Contributors:

Roy Brander, City of Calgary, Calgary, Alberta, Canada
John Galleher, Pure Technologies, Inc., San Diego, CA
Joseph Loiacono, Sanexen Environmental Services, Inc., Longueuil, Quebec, Canada
Lynn Osborn, Aegion Corporation, St. Louis, MO
David Rosenberg, Aegion Corporation, St. Louis, MO
Camille Rubeiz, Plastics Pipe Institute, Irving, TX
Daniel Smith, WaterOne, Lenexa, KS
Tracy De La Torre-Evans, Seattle Public Utilities
Fred Pfeifer, Washington Suburban Sanitary Commission

EXECUTIVE SUMMARY

How can a water utility achieve the support needed for an effective infrastructure program? This is the most challenging infrastructure question overall, voiced repeatedly in project workshops. Lack of adequate funding limits what gets assessed and what gets renewed. With the pipes and other assets growing older, maintenance and replacement needs are sure to go up, yet utility customers feel they already pay enough for the water and service they receive. Can they be persuaded to pay more or should industry service levels decrease?

There is, of course, no single, easy answer to this question, but neither is it unsolvable. Indeed, most utilities have achieved acceptable *short-term* answers to this question. These utilities are delivering water to customers, keeping facilities running, and completing necessary repairs, while staying within their budgets. For most utilities, asset failures are not yet out of control. But are these short-term solutions the best answers? Is the right level of renewal occurring, or are problems simply being deferred? Should we be spending more in the short-term, so that long-term burdens are lessened? What is the best way to balance customer needs and utility resources when looking toward the future?

Utilizing the research of dozens of WaterRF projects and other sources, this report provides an overview of the issues and approaches utilities can take to answer these questions. To achieve support for an effective infrastructure program, the utility must make a compelling case, founded on intelligent analyses and reliable data, and the case needs to be communicated in a way that both the technical and non-technical stakeholders can understand. There are many "right" ways to do this. Perhaps the only "wrong" approach is to do nothing.

OBJECTIVES

This report is intended as a "synthesis document", meaning it summarizes and integrates the research from numerous WaterRF reports and similar technical documents. An implied objective is to make the research both understandable and practical, something that utility managers and engineers who are not experts in infrastructure management will find both informative and interesting, with applications to their day-to-day responsibilities. Following the format of several similar projects, this report is presented in a question-and-answer format, with the hope that this provides quick-to-find answers to a variety of questions. Additionally, the text is organized so the answer to one question leads to the next question, making the report "readable" to the extent that any technical report about pipes, valves, and tanks can be.

The selected topics are those of common interest to infrastructure managers, and include asset management, corrosion, materials performance, water quality impacts, condition assessment, rehabilitation, and program management. The focus is primarily on water mains, but other types of assets are also discussed. In some cases, where scientifically supported conclusions do not exist, the answers border on opinion, but these opinions are guided by the research.

BACKGROUND

In some ways, this is the "second edition" of "Distribution Infrastructure Management: Answers to Common Questions", a WaterRF report published in 2001. This earlier report was

written when the field of asset management was in its infancy and most utilities in the US were just starting to realize that aging infrastructure was a concern. Prior to this earlier study, the Water Research Foundation had published about a dozen reports directed at infrastructure issues, but subjects were sometimes narrow, and valuable information within these reports was often overlooked. Much has changed in the dozen years since the publication of this earlier report. Awareness of infrastructure needs has increased, and asset management is now the norm, not the exception, but utilities still struggle with the same fundamental questions:

- **How long will our pipelines last?**
- **Which pipes should be renewed?**
- **What are the best ways to renew our pipes?**
- **How much money is needed?**

This new report, "Answers to Challenging Infrastructure Questions" is an update of this earlier project, but with somewhat different emphases. Infrastructure research has exploded during the intervening decade; so while some of the original content has been retained, there is considerable new knowledge to help answer these fundamental questions.

PROJECT APPROACH

Three sources were used to develop the lists of issues and questions discussed in the current report:

1. The questions from the 2001 report were reviewed by both the Research Team and the Project Advisory Committee. Important questions were kept, but some were modified for editorial reasons. Admittedly, not all these questions are technically "challenging", but they provide context for the overall discussion.
2. An independent list of questions was developed at a project workshop attended by infrastructure experts and managers from several leading utilities from across the US.
3. A comprehensive review of Water Research Foundation reports was completed, and from this a list of general questions was derived.

From these three sources, a master list was compiled and further discussed at another workshop, where infrastructure experts looked for gaps and discussed relevant research.

The answers to the questions come primarily from the WaterRF projects referenced herein. These answers have been formulated and reviewed by a team of well-regarded water infrastructure experts.

RESULTS/CONCLUSIONS

This report provides an overview of infrastructure management concepts and research, including how data can be gathered, stored, and analyzed; how common materials deteriorate; how the condition of assets can be assessed; how system components can be renewed economically; and how a program can be managed. Among the major questions answered by this report are:

- **How long does a water main last**? Answer: A water main lasts until someone decides to replace it, and the decision to replace it should be based on economic, environmental, and social considerations. Social considerations include the levels of service acceptable to the utility's customers, the levels of risk appropriate for the utility, and long-range financial sustainability.
- **What data are needed for intelligent water main replacement decisions?** Answer: While an abundance of data is desired, good decisions can be made with limited data. Main repair data and other available data can be used to predict remaining service lives, set replacement budgets, evaluate risks, and select mains for further investigation or for renewal. Then, as more data are gathered, these analyses can be revisited, management plans revised, and long-range decisions fine-tuned.
- **What pipe materials perform the best?** Answer: When used appropriately, all common water main materials (ductile iron, steel, PVC and HDPE) can provide very good long-term performance. With conservative engineering, good workmanship, and effective quality assurance, life expectancies well beyond 100 years are achievable. Unfortunately, the water industry has not mandated that long-term performance be the basis for design. Historic changes in AWWA standards have often produced pipes with reduced service lives.
- **What should be considered in selecting a pipe material?** Answer: The purchase cost of the pipe material should be a very minor consideration. When constructing a replacement main in a developed area, most of the cost involves making the trench and filling it back in, and this doesn't change much whether one material or another is used. The primary considerations should be how often repairs will be needed and how much those repairs will cost, looking decades down the road. The various materials perform quite differently depending upon their brittleness, environmental exposures, and loading conditions. No single material works best in all cases.
- **How should infrastructure be managed to reduce water quality problems?** Answer: In an ideal world, all unlined mains would be replaced or lined and all lead services would be replaced up to the residence. Given limited resources, a utility may need to consider a mix of solutions involving corrosion inhibitors, mains flushing, pipe rehabilitation and partial service line renewal.
- **How can the condition of a water main be assessed?** Answer: Techniques are available to perform a detailed, full-length scan of most types of water pipes, but utilities have not fully embraced these methods because of uncertainties about their benefits, and difficulties employing them within an operating system. On-going research is exploring how these (and less intrusive methods) might be used economically to provide better-informed main renewal decisions.
- **When should trenchless renewal be used?** Answer: The cost and disruptions associated with water main replacement programs may be greatly reduced through effective pipe rehabilitation and spot repairs, yet the water industry has been slow to adopt pipe rehabilitation as the primary means of renewal. The benefits of using the various lining systems within pipes of uncertain integrity are somewhat fuzzy, but cases of very successful large-scale programs exist. A current

WaterRF project that marries condition assessment with rehabilitation may help overcome some of this industry reluctance.

- **How does a utility build a case for a large infrastructure renewal program?** Answer: By gathering the data and performing the technical analyses outlined in this report, a utility lays the foundation for its case, but convincing customers and policy makers of the necessity to spend money is never easy. To communicate program needs, to determine financing alternatives, and to sustain support through many years, a multidiscipline team with many skills, talents, approaches, and personalities is required.

APPLICATIONS

This report should be directly applicable to utilities in their current daily operations and capital investment planning. It also provides guidance to other reports where more detailed information is available.

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Thousand Oaks Boulevard and Liberty Canyon Road Pavement Restoration Project: Construction Award (Pg. 124)

SUMMARY:

On August 26, 2014, the Board authorized a Call for Bids for the Thousand Oaks Boulevard and Liberty Canyon Road Pavement Restoration Project. The project consists of rubberized asphalt pavement restoration in two locations of water pipeline breaks that occurred within the public right of way in the City of Agoura Hills as well as repair of a hydrant lateral that is currently removed from service. A mandatory pre-bid job walk was held on September 17, 2014 with only one bidder attending. Two bids were received; however, only one was publicly opened on September 29, 2014 since the second bidder did not attend the pre-bid meeting, which was a requirement to bid. The lowest responsive bid was submitted by Toro Enterprises, Inc. in the amount of $56,928.47.

RECOMMENDATION(S):

Award a construction contract to Toro Enterprises, Inc. in the amount of $56,928.47 for the Thousand Oaks Boulevard and Liberty Canyon Road Pavement Restoration Project and reject all remaining bids upon receipt of the duly executed contract documents.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The adopted Fiscal Year 2014-15 Budget provides sufficient funding under the Potable Water - Distribution System Business Unit No. 101700 - Account No. 5515 for Outside Services. This account funds hiring of maintenance providers to assist in repairs to the system or paving contractors to repair roads following system repairs. No additional appropriation is required at this time.

DISCUSSION:

Prior to publically bidding the project, staff had solicited bids from three contractors for the street restoration and hydrant lateral repair. Two of the three contractors were responsive and provided costs proposals as follows.

Contractor	Amount
Toro Enterprises, Inc.	$50,976.37
S&S Paving	$51,010.00

Due to the non-emergency nature of the work to be performed and since the cost proposals exceeded

the works of improvement authority limit for informal bidding, staff recommended a Call for Bids that was approved by the Board on August 26, 2014.

A mandatory pre-bid job walk was conducted on September 17, 2014; however, only one representative from Toro Enterprises, Inc. was present. At the time of bid, only two contractors were listed as plan holders. Staff believes that the lack of interest in the project was due to the small size and complexity of using asphalt rubber hot mix for the project as required by the City of Agoura Hills.

Toro Enterprises, Inc. submitted a bid in the amount of $56,928.47, which is approximately eleven percent (11%) higher than their original informal bid amount of $50,976.37. However, due to the nature of the public works bid that includes insurance, bonding and other associated costs, staff believes that the bid amount is fair and competitive in comparison to the informal bids.

GOALS:

Construct, Manage and Maintain All Facilities and Provide Services to Assure System Reliability and Environmental Compatibility

GOAL DESCRIPTION:

Preforming facility repair and pavement restoration assures system reliability and extends the useful life of District and public facilities.

Prepared By: Eric Schlageter, P.E. , Associate Engineer

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Recycled Water Reservoir No. 2 Improvements: Construction Award (Pg. 126)

Las Virgenes - Triunfo Joint Powers Authority (JPA) approved funding for this matter in the JPA Budget. This recommendation is before the LVMWD Board of Directors for action, as Administering Agent of the JPA, as authorized in the JPA Agreement.

SUMMARY:

On August 12, 2014, the Board authorized a Call for Bids for the Recycled Water Reservoir No. 2 Improvements Project. The scope of the project includes cleaning and removal of debris from the reservoir, installing an HDPE geomembrane liner over the reservoir's earthen sides, improving the piping and drainage facilities and performing miscellaneous grading work. To provide continuous service to recycled water customers, temporary storage tanks and associated piping will be established to maintain service during construction activities. The construction has been planned for the winter months during low recycled water demands. In addition, there was an optional bid item for the installation of HDPE shade balls to cover the surface of the reservoir.

A mandatory pre-bid job walk was held on September 10, 2014. Seven bids were submitted and publically opened on September 24, 2014. The lowest responsive bid was submitted by Zusser Company, Inc. in the amount of $1,189,364.00, which is 4.2% lower than the engineer's estimate of $1,241,111.00. With removal of the optional Bid Item No. 8 (shade balls) from the contract, the total bid amount is reduced by $373,430.00 to a total of $815,934.00, which is 11% lower than the engineer's estimate of $919,023.00, not including the shade balls.

RECOMMENDATION(S):

Award a construction contract to Zusser Company, Inc. in the amount of $815,934.00 for the Recycled Water Reservoir No. 2 Improvements Project, excluding optional Bid Item No. 8 for shade balls and reject all remaining bids upon receipt of the duly executed contract documents.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The adopted Fiscal Year 2014-15 JPA Budget provides funding under CIP Job No. 10522 for the construction of the Recycled Reservoir No. 2 Improvement Project in the amount of $1,557,010.00. No additional appropriation is required at this time.

DISCUSSION:

The purpose of the project is to ensure consistent compliance with NPDES permit requirements for the

discharge point (Los Angeles River) by improving the quality of water pumped from Reservoir No. 2. Recycled water produced at the Tapia Water Reclamation Facility is pumped to Reservoir No. 2, which provides temporary storage before being distributed by the Recycled Water Pump Station to customers or for disposal via the 005 outfall to the Los Angeles River.

On September 2, 2010, the Los Angeles Regional Water Quality Control Board renewed Tapia's NPDES permit requiring effluent monitoring after the water has passed though the the Reservoir No. 2 to better characterize the water discharged to the Los Angeles River. While Tapia's effluent is in compliance, the monitoring station samples have exceeded turbidity and total suspended solids a number of times creating fines for the District per exceedance. Reservoir No. 2 is the only open location where recycled water is exposed to the elements allowing for degradation of the water quality.

The Reservoir No. 2 Improvement Study (LVMWD Report No. 2537.00) was completed by HDR Engineering Inc. and found that the water quality problems associated with Reservoir No. 2 were primarily associated by algae, however wind-blown dust, run-off sediment, sediment from the reservoir's earthen sides and bird droppings also contribute at a lesser level. The report concluded with the recommendation to clean the reservoir, install a membrane liner on the earthen sides and consider floating shade balls as a cover to prevent sunlight from stimulating algae growth in the effluent.

The combination of sunlight and recycled water effluent are the primary cause for water quality degradation. Shade balls provide the cover needed to block sunlight that inhibits the growth of algae while also reducing evaporation rates by up to 90% compared to an open reservoir. While staff believes that shade balls are the solution to mitigate the algae growth, the recommendation for award of the project without exercising the shade ball option has been based on staff's research. Potential savings could be made by the District by pursuing a separate contract for purchase, delivery, and possibly placement of the shade balls as an independent contract with the shade ball manufacturer's directly. Because of this, staff has made the recommendation to delay the contract procurement for the shade balls until a future date after the project has been completed.

GOALS:

Construct, Manage and Maintain All Facilities and Provide Services to Assure System Reliability and Environmental Compatibility

Prepared By: Eric Schlageter, P.E., Associate Engineer

ATTACHMENTS:

Reservoir No. 2 Improvements: Bid Results

Reservoir No. 2 Improvement Project

Owner: Las Virgenes Municipal Water District - Triunfo Sanitation District Joint Power Authority

Bid Opening: 9/24/2014 | * marks an allowance

Reservoir No. 2 Improvement Project				California Bldg-Eval & Const. 6281 Beach Blvd., Suite 306 Buena Park, CA 90621 714.609.7625 License No: 785685 Bidder Status: Valid		Spiess Construction Co., Inc. P.O. Box 2849 Santa Maria, CA 93457 805.937.5859 License No: 333989 Bidder Status: Invalid		GSE Construction Co. Inc. 6950 Preston Ave. Livermore, CA 94551 925.447.0292 License No: 401498 Bidder Status: Valid		Zusser Company, Inc. 528 Palisades Drive #504 Los Angeles, CA 90272 310.230.6808 License No: 864216 Bidder Status: Valid		Lee Construction Co. 4288 Adam Road Simi Valley, CA 93063 805.522.5195 License No: 726736 Bidder Status: Valid		Clarke Contracting Corp. 4646 Manhattan Beach Blvd. Lawndale, CA 90260 310.542.7724 License No: 325884 Bidder Status: Valid		MMC Inc. 5901 Fresca Dr. La Palma, CA 90623 714.521.2022 License No: 573635 Bidder Status: Invalid	
				Bidder #1		#2		#3		#4		#5		#6		#7	
Item #	Description	Quantity	Unit of Measure	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total
1	RESERVOIR DEWATERING	1	LS	$21,400.00	$21,400.00	$31,400.00	$31,400.00	$11,469.00	$11,469.00	$25,000.00	$25,000.00	$84,734.00	$84,734.00	$225,000.00	$225,000.00	$98,500.00	$98,500.00
	SEDIMENT REMOVAL AND DISPOSAL	4,420	CY	$86.50	$382,330.00	$49.00	$216,580.00	$12.00	$53,040.00	$19.00	$83,980.00	$25.00	$110,500.00	$36.00	$159,120.00	$44.29	$195,752.96
2	ASBESTOS PIPE REMOVAL AND DISPOSAL	5,000	LBS	$1.00	$5,000.00	$3.40	$17,000.00	$3.69	$18,450.00	$1.00	$5,000.00	$6.00	$30,000.00	$2.00	$10,000.00	non-responsive	$30,000.00
3	SITE WORK FOR SITE CLEARING & GRUBBING, SLOPE CONSTRUCTION & STABILIZATION, AND GRADING	1	LS	$117,900.00	$117,900.00	$214,775.00	$214,775.00	$75,756.00	$75,756.00	$180,000.00	$180,000.00	$114,124.00	$114,124.00	$200,000.00	$200,000.00	$150,000.00	$150,000.00
4	GEOMEMBRANE LINER & GEOTEXTILE FABRIC	94,760	SF	$2.30	$217,948.00	$3.00	$284,280.00	$2.60	$246,376.00	$1.90	$180,044.00	$2.75	$260,590.00	$3.25	$307,970.00	$2.84	$269,118.40
5	ASPHALT REPAVEMENT	390	TONS	$217.00	$84,630.00	$234.00	$91,260.00	$211.70	$82,563.00	$119.00	$46,410.00	$233.00	$90,870.00	$200.00	$78,000.00	$150.00	$58,500.00
6	TEMPORARY PIPING & STORAGE TANKS	1	LS	$229,250.00	$229,250.00	$373,800.00	$373,800.00	$188,350.00	$188,350.00	$170,000.00	$170,000.00	$199,128.00	$199,128.00	$280,000.00	$280,000.00	$295,511.00	$295,511.00
7	PRV VALVE REPLACEMENT & VAULT MODIFICATIONS	1	LS	$52,400.00	$52,400.00	$67,000.00	$67,000.00	$53,222.00	$53,222.00	$60,000.00	$60,000.00	$89,574.00	$89,574.00	$50,000.00	$50,000.00	$65,900.00	$65,900.00
8	SHADE BALLS (OPTIONAL)	107,000	SF	$4.60	$492,200.00	$3.50	$374,500.00	$3.83	$409,810.00	$3.49	$373,430.00	$3.50	$374,500.00	$3.75	$401,250.00	$3.40	$363,800.00
9	BASE LUMP SUM BID	1	LS	$17,290.00	$17,290.00	non-responsive	non-responsive	$137,258.00	$137,258.00	$65,500.00	$65,500.00	$149,232.00	$149,232.00	$277,000.00	$277,000.00	$95,500.00	$95,500.00
Bid Total					**$1,620,348.00**		**$1,670,595.00**		**$1,276,294.00**		**$1,189,364.00**		**$1,503,252.00**		**$1,988,340.00**		**$1,622,582.36**
TOTAL BID AMOUNT WITHOUT OPTIONAL SHADE BALLS				$1,128,148.00		$1,296,095.00		$866,484.00		$815,934.00		$1,128,752.00		$1,587,090.00		$1,258,782.36	

ITEM 7B

128

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Emergency Replacement of Deteriorated Segments of 10-Inch Potable Water Main on Mulholland Highway, Relocation of Appurtenances and Paving of Three Affected Areas (Pg. 129)

SUMMARY:

Over the past several months, staff has completed five emergency repairs to the 10-inch potable water main on Mulholland Highway, originally installed in 1962. The recent and successive breaks began after a fire hydrant was hit and knocked off at Calabasas Park South. The breaks were associated with external corrosion of the pipeline, possibly due to a thinner than normal exterior wire wrapped cement coating.

Staff has completed a careful review of the District's leak repair log for the entire reach of 10-inch water main on Mulholland Highway and recommends immediate replacement of three severely corroded 40-foot sections of the pipe. The sections of pipe proposed for replacement are at three separate locations. To facilitate the work and maintain water service to customers, it will be necessary to relocate seven existing water services and one fire hydrant from the older water main to a newer, parallel water main that was installed in 2008 to increase the suction pressure to the Cold Canyon Pump Station.

Additionally, staff has three locations of prior water main breaks that need to be cold-milled and repaved expeditiously: Jed Smith Road, Mulholland Highway and Wagon Road. Typically, staff completes re-paving work for water service connections and small leaks; however, a contractor is needed for these repair locations due to the size of the affected areas.

Toro Enterprises Inc. is proposed for completion of this emergency work because the firm has the ability to complete the project in a timely manner and at a reasonable cost.

RECOMMENDATION(S):

Recognize the emergency need to replace three deteriorated segments of 10-inch water main on Mulholland Highway, relocate water system appurtenances and re-pave three areas affected by prior water main breaks; and authorize the General Manager to issue an emergency purchase order to Toro Enterprises Inc., in the amount of $60,000.00, to complete the work.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

Sufficient funds for this work are available in the adopted Fiscal Year 2014-15 Budget.

DISCUSSION:

Due to the number of leak on this water main and associated corrosion, staff proposes to recommend a future capital improvement project for replacement or rehabilitation project of the aged pipeline.

GOALS:

Construct, Manage and Maintain All Facilities and Provide Services to Assure System Reliability and Environmental Compatibility

Prepared By: Larry Miller, Water Systems and Facilities Manager

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Fiscal Year 2015-16 Proposed Sanitation Rate for Consolidated Sewer Maintenance District, Topanga Tax Zone (Pg. 131)

SUMMARY:

The District provides sanitation services to 355 residential customers of the Consolidated Sewer Maintenance District, Topanga Tax Zone, pursuant to an October 3, 1978 Agreement. The District bills the Topanga Tax Zone quarterly for the service provided to the area and may amend the rate annually with written notification provided prior to November 1st of any year to be effective the following fiscal year, commencing on July 1st. Staff recommends a $0.90 increase in the billing rate, from $54.50 to $55.40 per Equivalent Residential Unit (ERU) per month, effective July 1, 2015, to account for the District's sanitation rate increase that becomes effective on July 1, 2015.

RECOMMENDATION(S):

Approve a billing rate of $55.40 per Equivalent Residential Unit per month for the Consolidated Sewer Maintenance District, Topanga Tax Zone, effective July 1, 2015.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

No

FINANCIAL IMPACT:

Additional revenue of $3,834 will be collected in Fiscal Year 2015-16.

DISCUSSION:

The District provides sanitation services to 355 residential customers of the Consolidated Sewer Maintenance District, Topanga Tax Zone pursuant to an October 3, 1978 Agreement. The customers reside outside the District's service area in unincorporated Los Angeles County area (see Exhibit A). The wastewater flows are conveyed to the Tapia Water Reclamation Facility via a Consolidated Sewer Maintenance District force main and the District's Lift Station Nos. 1 and 2.

October 3, 1978 Agreement:

The Agreement provides for the District to directly bill the County of Los Angeles for the Topanga Tax Zone on a quarterly basis for the prorated maintenance and operating expenses of the District's facilities utilized to provide service to the area. The proration is based upon the District's cost to provide sewer service to the Sanitation Improvement District No. U-2. The County of Los Angeles, Topanga Tax Zone, receives its funding through an assessment on the County tax roll. Additionally, the Agreement establishes that the District may amend the charge for service to the Topanga Tax Zone annually with written notification

provided prior to November 1st of any year to be effective the following fiscal year, commencing on July 1st.

Accounting of Charges to the Topanga Tax Zone:

To ensure accurate billing to the Topanga Tax Zone, staff maintains an annual accounting of the actual charges to the Topanga Tax Zone versus the same for District customers within Sanitation Improvement District No. U-2 (see Exhibit B). Because of the advance notice required to set and/or update the rate for the Topanga Tax Zone, there is occasionally a period of time when the rate differs from that charged to the District's customers. Staff accrues these differences on an annual basis and maintains a cumulative overage or underage for accounting purposes. When rate changes for the Topanga Tax Zone are proposed, staff takes into account any cumulative overage or underage.

Proposed Fiscal Year 2015-16 Rate:

On November 13, 2012, the Board approved increases to the District's potable water, recycled water and sanitation rates. The District's next sanitation rate increase will become effective on July 1, 2015 and, therefore, will affect the Fiscal Year 2015-16 billing rate to the Topanga Tax Zone. As a result, and considering that the Topanga Tax Zone is estimated to accrue a cumulative overage of $1,052.57 as of June 30, 2015, staff recommends a $0.90 increase for the Topanga Tax Zone, from $54.50 to $55.40 per month per ERU, effective July 1, 2015.

Following is a five-year history of the monthly rate and proposed Fiscal Year 2015-16 rate.

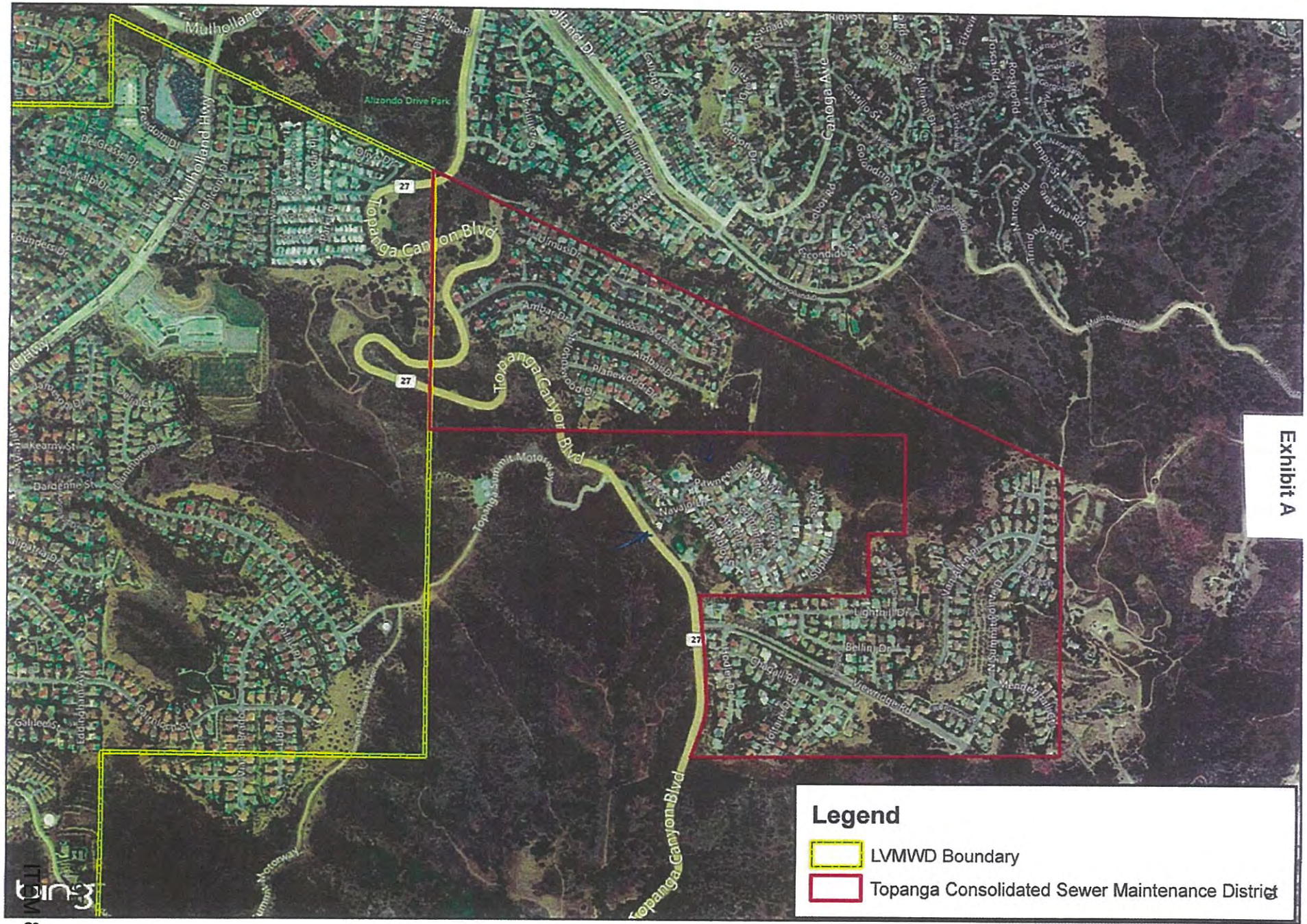
FISCAL YEAR (FY)	MONTHLY RATE PER ERU
FY 2010-11	$51.00
FY 2011-12	$54.00
FY 2012-13	$54.00
FY 2013-14	$ 54.00
FY 2014-15	$ 54.50
FY 2015-16	$ 55.40

Prepared By: Joseph Lillio, Finance Manager

ATTACHMENTS:

Exhibit A - Map of Topanga Tax Zone

Exhibit B - Fee Analysis



Topanga Consolidated Sewer Maintenance District

LAS VIRGENES MUNICIPAL WATER DISTRICT
COMPARISON OF CUSTOMER CHARGES BETWEEN LVMWD U-2 SANI DISTRICT
AND CONSOLIDATED SEWER MAINT DISTRICT, TOPANGA TAX ZONE
August 27, 2014

S VIRGENES MWD U-2 SANITATION DISTRI			CONSOLIDATED SEWER MAIT DISTRICT, TOPANGA ZONE					DIFFERENCE BETWEEN AMOUNT COLLECTED FROM TOPANGA ZONE AND EQUIVALENT U-2 AMOUNT	
EFFECTIVE DATES OF U-2 MONTHLY SEWER CHARGES			MONTHLY RATE PER ERU COLLECTED FROM TOPANGA	COLLECTION PER ERU ON ANNUAL BASIS	ERU'S REPORTED BY TOPANGA	TOTAL COLLECTION FROM TOPANGA ON ANNUAL BASIS	TOTAL AMOUNT AT U-2 EQUIV. RATE (TOPANGA ERU X U-2 ANNUAL RATE)	TOPANGA ZONE ANNUAL OVER OR (UNDER)	TOPANGA ZONE CUMULATIVE OVER OR (UNDER)
PERIOD	MONTHLY SERVICE FEE	ANNUAL RATE BASIS							
2002-03	29.56	354.72	30.72	368.66	353	130,136.98	130,136.98	0.00	832.92
2003-04	29.56	354.72	29.90	358.85	353	128,901.48	126,674.05	2,227.43	3,060.35
2004-05	29.56	354.72	29.56	354.72	353 354	129,084.06	125,393.52	3,690.54	6,750.89
2005-06	29.56	354.72	29.56	354.72	354	129,266.64	125,570.88	3,695.76	10,446.65
2006-07	31.04	372.42	29.56	354.72	354	129,266.64	131,836.68	(2,570.04)	7,876.61
2007-08	38.35	460.14	29.56	354.72	354	129,266.64	162,889.56	(33,622.92)	(25,746.31)
2008-09	51.00	612.00	57.06	684.72	354	242,390.88	216,648.00	25,742.88	(3.43)
2009-10	51.00	612.00	55.00	660.00	354	233,640.00	216,648.00	16,992.00	16,988.57
2010-11	54.00	648.00	51.00	612.00	354	216,651.00	229,392.00	(12,741.00)	4,247.57
2011-12	54.00	648.00	54.00	648.00	355	230,040.00	230,040.00	0.00	4,247.57
(revised) 2012-13	54.14	649.68	54.00	648.00	355	230,040.00	230,636.40	(596.40)	3,651.17
2013-14	54.28	651.36	54.00	648.00	355	230,040.00	231,232.80	(1,192.80)	2,458.37
2014-15	54.83	657.96	54.50	654.00	355	232,170.00	233,575.80	(1,405.80)	1,052.57
(estimate) 2015-16	55.37	664.44	55.40	664.80	355	236,004.00	235,876.20	127.80	1,180.37

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Resource Conservation & Public Outreach

Subject: Supplemental Funding for Mow-No-Mow Turf Removal Program and Water Use for Pools During the Drought (Pg. 135)

SUMMARY:

At the September 9, 2014 meeting, the Board requested an agenda item to consider supplemental funding of $1 per sq. ft. for the "Mow No Mow" Lawn Removal Program. Such additional incentive would be District-funded or as staff recently identified, unspent Prop. 50 water conservation grant funds previously awarded to the District under the State's Integrated Regional Water Management Plan (IRWMP) program. The Department of Water Resources (DWR) would have to authorize this re-allocation. However, based on the graph that shows significant customer interest in the lawn removal program (Attachment A), it appears the additional incentive may not be necessary at this time. Current public interest has resulted in full commitment of the current program funding of $600,000 from Metropolitan Water District (MWD). Staff sought approval to further increase the funding to $1,000,000. This is the maximum increase that can be administratively approved by MWD staff; further increases would require approval from the MWD Board of Directors.

During a discussion of the "Policy Addressing Miscellaneous Water Uses and Practices" at the same meeting, the Board also requested staff examine a permit process for the draining and refilling of swimming pools during the current drought. A recent study conducted by Santa Margarita Water District indicates that encouraging avoidance of pool draining and refilling and using "best practices" is an appropriate strategy to address water use for pools and spas. One of these best practices is using a pool cover to reduce water lost to evaporation. Significantly, the study found that pool covers can cut evaporation by almost half, making water lost from pools no greater than that from drought-tolerant landscaping.

In lieu of the District funding a supplemental incentive for the lawn removal program, staff believes that implementing a Pool Cover Rebate Program is a consistent, logical and beneficial incentive to promote efficient outdoor water use, particularly if external funding is available. The incentive program can be funded using unspent Prop. 50 funds in the amount of $98,000, if approval is granted by the Department of Water Resources.

RECOMMENDATION(S):

Increase the Fiscal Year 2014-15 budget for the District's Mow-No-Mow Turf Removal Program from $148,165 to $1,128,000 to account for the substantial increase in participation in the program that currently provides a $2.00 per square foot incentive, which is 100% reimbursable by Metropolitan Water District of Southern California, and authorize the General Manager to develop a Pool Cover Rebate Program, funded by the potential re-allocation of unspent Proposition 50 grant funds, for approval by the Board.

FISCAL IMPACT:

No

ITEM BUDGETED:

ITEM 9A

No

FINANCIAL IMPACT:

The budget increase requested for the lawn removal program is for the purpose of accounting for funds reimbursed by MWD for the program. The revised amount includes the cost to administer the program. A budget for the proposed Pool Cover Rebate Program will be presented for Board approval if DWR authorizes the re-allocation.

DISCUSSION:

"Mow No Mow" Supplemental Rebate

In August 2013, staff made a recommendation to the Board to enhance the "Mow No Mow" Lawn Removal Program by providing an additional District-funded incentive of $2 per sq. ft. The recommendation was intended to attract more participants in the program versus the $1 per sq. ft. rebate MWD had in effect at the time. The economics of the program was based on limited experience of Mow No Mow participants then, who as a group reduced their usage by 3.2 AF/year for every acre of traditional lawn removed. The cost to achieve this reduction in water use was $5,405/AF, assuming the same life cycle used in the of MWD program (5 years). The Board deferred action on staff's recommendation due to cost and approval of expanded conservation programs by MWD at the time.

If the current $2 per sq. ft. rebate was increased by $1 per sq. ft., the cost to the District would be $2,723/AF using the same water use reduction factor of 3.2 AF/year per acre of lawn removed. However, staff has already observed substantially higher (approximately two-fold) customer participation with the existing $2 per sq. ft. rebate, and has also observed significantly larger areas of lawn being removed per customer. Taken together (i.e. greater participation and larger lawn areas), the current $2 per sq. ft. incentive has significantly increased turf removal in the District's service area, and has already required two additional requests to MWD to increase their reimbursement limit (Attachment A). Staff will continue to track customer participation, including water use reduction, in the "Mow No Mow" Lawn Removal Program and provide the results at a future meeting.

Water Use for Pools During the Drought

As part of its response to the statewide drought, Santa Margarita Water District (SMWD) implemented a prohibition on the initial filling of swimming pools that had just completed construction. The prohibition, which impacted residents and industry stakeholders, evolved into working with affected parties to develop "best practices" intended to limit water loss in pools to the equivalent of drought tolerant landscaping. SMWD rescinded its prohibition and is now implementing the best practices below:

a. The use of a pool cover or elements that cover at least 90% of a pool surface to reduce evaporation;

b. The use of a cartridge filter system to reduce the need to drain and fill a pool for cleaning;

c. The use of non-mechanical, sensor-based auto-fill devices to reduce unnecessary refilling of pools and increase leak detection; and

d. Implementation of weather-based irrigation controllers, efficient irrigation systems and drought-tolerant plantings for the landscape around the pool.

As shown in the graph in Attachment B, SMWD found that a pool without a cover uses less water over three years than a traditional lawn of the same size. The graph of projected five-years of water use indicates that pool construction may reduce water demand to the same level as drought-tolerant landscaping with the addition of specific features combining pool and landscaping construction per the above best practices.

In contrast, some neighboring water agencies listed below have pool restrictions that continue to remain in effect:

a. Camarillo: Initial filling of residential swimming pools or spas is prohibited. Draining or refilling more than

one foot is also prohibited.

b. California Water Service Company (serving Thousand Oaks): Filling and refilling of swimming pools is currently prohibited.

c. Oxnard: Watering to maintain the level of water in swimming pools shall occur only when necessary. A pool cover shall be used to conserve water when the pool is not in use. Draining of pools or refilling shall be done only for health or safety reasons.

d. LA County Waterworks District No. 29 (Malibu): No person shall fill or permit to be filled any swimming pool, wading pool, or spa, except adding water to top off swimming pools and spas is permitted.

Examples of southland water agencies that currently offer cash rebates for pool covers include the City of Santa Barbara, which offers a one-time rebate of $300 for new pool covers and the City of Corona, which offers a smaller rebate ($50) but renews it every two years to offset pool cover wear/replacement.

GOALS:

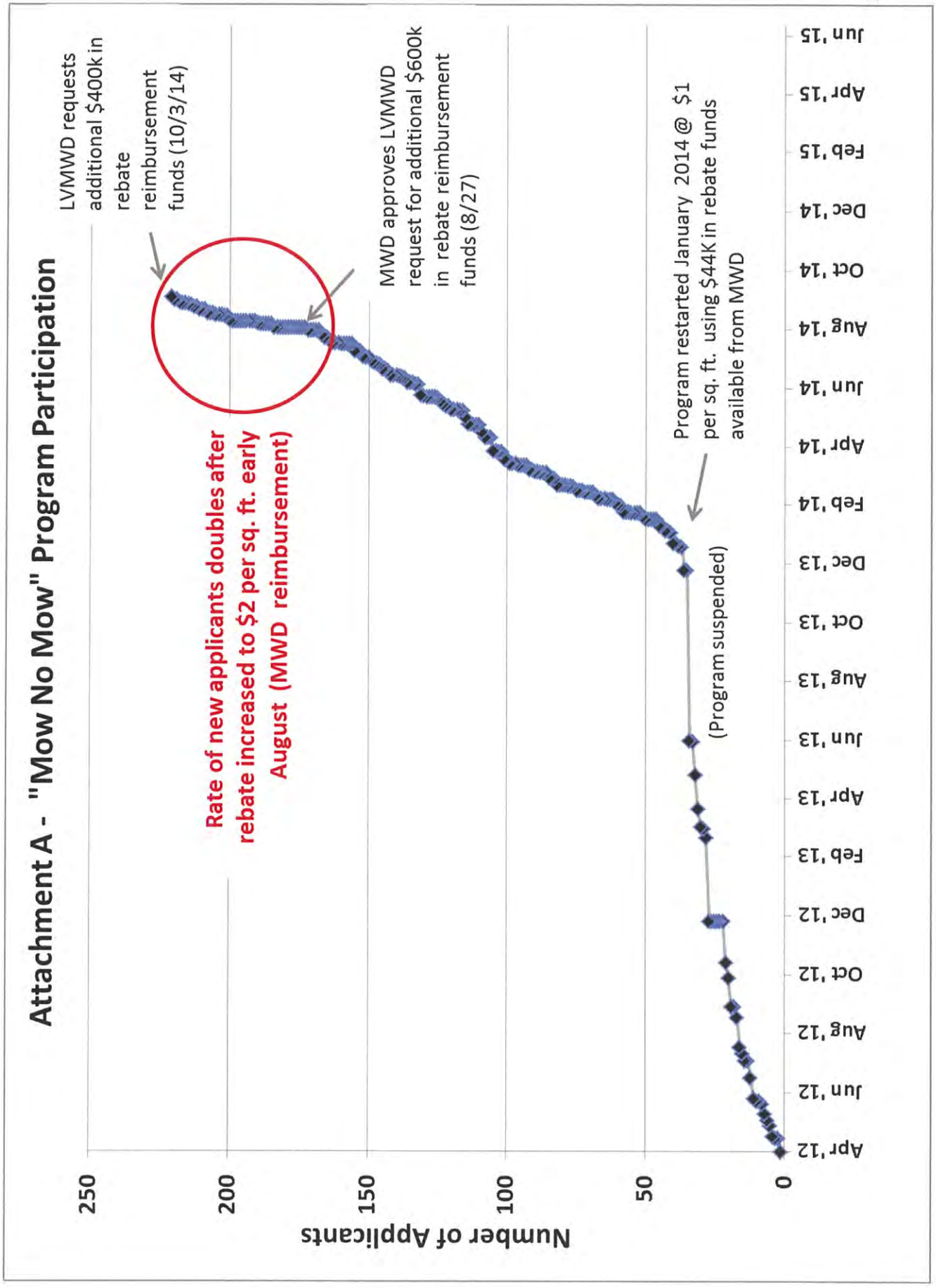
Ensure Effective Utilization of the Public's Assets and Money

Prepared By: Carlos G. Reyes, Director of Resource Conservation and Public Outreach

ATTACHMENTS:

Attachment A

Attachment B - Santa Margarita Water District Report


Attachment A - "Mow No Mow" Program Participation
Number of Applicants
250
200
150
100
50
0
Apr '12
Jun '12
Aug '12
Oct '12
Dec '12
Feb '13
Apr '13
Jun '13
Aug '13
Oct '13
Dec '13
Feb '14
Apr '14
Jun '14
Aug '14
Oct '14
Dec '14
Feb '15
Apr '15
Jun '15
LVMWD requests additional $400k in rebate reimbursement funds (10/3/14)
MWD approves LVMWD request for additional $600k in rebate reimbursement funds (8/27)
Program restarted January 2014 @ $1 per sq. ft. using $44K in rebate funds available from MWD
(Program suspended)
Rate of new applicants doubles after rebate increased to $2 per sq. ft. early August (MWD reimbursement)

Santa Margarita Water District

MEMORANDUM

TO: Board of Directors **DATE:** September 19, 2014

FROM: Dan Ferons

SUBJECT: Consideration and Action on Updating the Comprehensive Water Conservation Program; Ordinance No. 2014-08-02

SUMMARY

Issue: On August 6, the District approved Ordinance No. 2014-08-02 which updated and revised its existing water conservation ordinance and made it consistent with the new State Water Recourses Control Board regulations. The Ordinance outlines the four stages of the District's Water Conservation Program. In addition, the enabling Resolution No. 2014-08-03 implemented Stage 2 restrictions to reduce domestic demands in response to the Governor's request for 20% statewide reductions. The goal of the District is to encourage water use efficiency. Stage 2 restrictions prohibit, among other things, the "...initial filling of residential swimming pools or outdoor spas with potable water..." Upon implementation, the District received feedback regarding the impacts of a complete prohibition on filling of pools and spas from residents and industry representatives. The discussions expanded into Best Practices for construction of a pool to limit water loss to the equivalent of drought tolerant landscaping

Recommendation: Authorize development of an update to the Comprehensive Water Conservation Program to:

(1) Include a schedule of Best Practices for Swimming Pools and Spas to ensure maximum efficiency and reduce water waste;
(2) Change Stage 2 prohibition on filling of new pools and spas to encouraging avoidance of draining and refilling and utilizing Best Practices for new pools; and
(3) Removing restrictions on the initial filling and refilling of pools and spas from Stage 2 to relying on the prohibition included in Stage 4 which prohibits all outdoor use.

Fiscal Impact: Reductions in water use may result in impacts to revenues and impact future rate structures considered by the District.

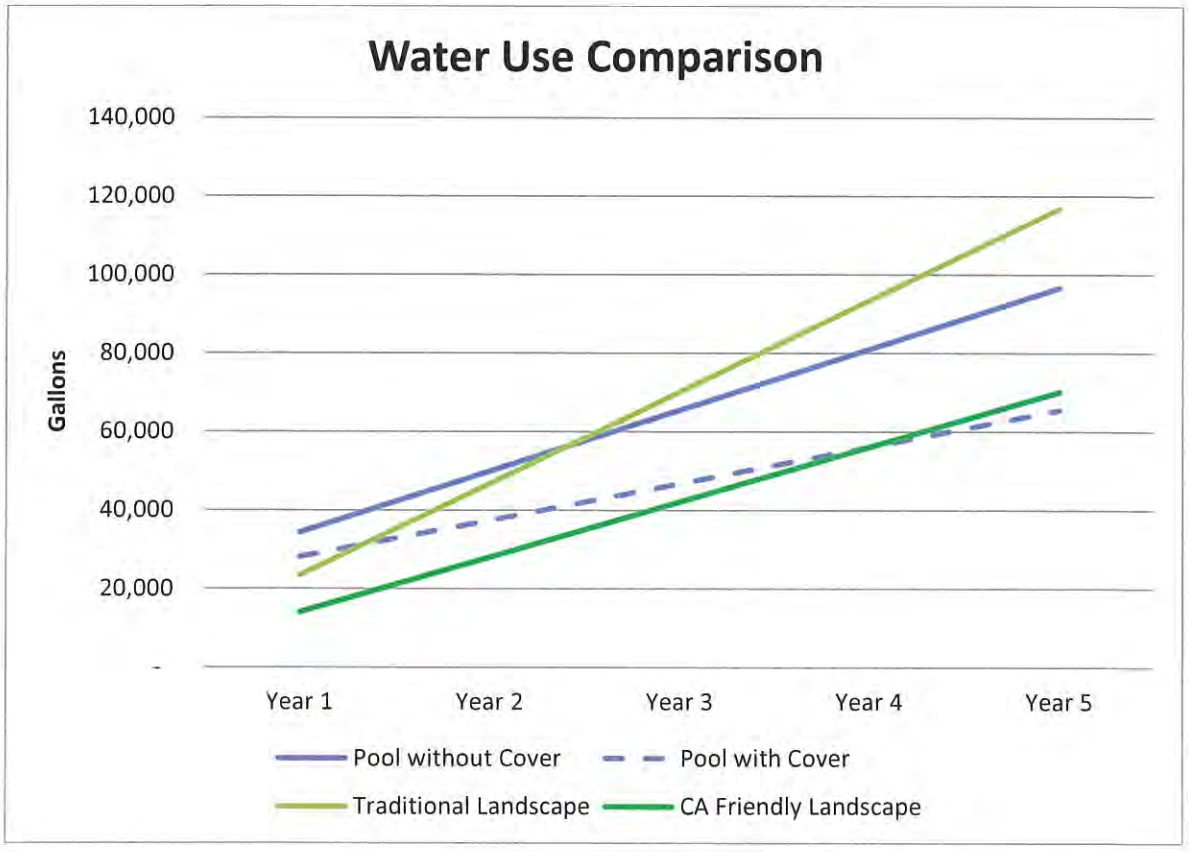
Previous Related Action: District approved Ordinance No. 2014-08-02 on August 6, 2014.

DISCUSSION

In August, 2014, the District updated its water restrictions ordinance to be consistent with the action and regulations promulgated by the State Water Board. Clarifications/changes include:

- Tightened exceptions to the water use restrictions;
- Added definitions to clarify the application of the restrictions;
- Added an exception for use of recycled water consistent with the State's regulations;
- Added "emergency" to the type of circumstance triggering water use restrictions to address possible outages due to natural disasters and/or maintenance;
- Added the ability of customers to propose an alternate plan to meet the water use restrictions;
- Tightened limits on filling pools and decorative water features; and,
- Added more extensive provisions for protest of penalties imposed on customers.

Since the passage of the amended Ordinance, the District received feedback from a number of homeowners, pool and spa contractors, the California Pool and Spa Association, and our constituent cities of Mission Viejo and Rancho Santa Margarita concerning the prohibition of filling of new pools outlined in the Stage 2 restrictions. Subsequently, District staff met with interested parties to develop a plan with the co-equal goals of allowing pool construction and implementing outdoor water use efficiency.



The graph of projected five-years of water use highlights the issue that pool construction may reduce water demand to the same level as drought tolerant landscaping with the addition of specific features and treatment of pool and landscaping as a holistic project. The District was also to clarify several aspects of the restrictions that enabled pools already under contract or construction prior to the adoption of the new Ordinance to go forward.

The District and representative of the pool industry developed a general agreement on a number of "Best Practices" that would reduce water use in pools and spas. These practices include:

a. The use of a pool cover or elements that cover at least 90% of a pool surface to reduce evaporation;
b. The use of a cartridge filter system to reduce the need to drain and fill a pool for cleaning;
c. The use of non-mechanical, sensor-based auto-fill devices to reduce unnecessary refilling of pools and increase leak detection; and
d. Implementation of weather-based irrigation controllers, efficient irrigation systems and drought tolerant planting for the landscape around the pool.

The recommendation is to include revise the District's Ordinance to include the following:

- Under Section 7. Permanent Water Conservation Requirements – Prohibition Against Water Waste add the above described Best Practices for construction of pools.

- Stage 2 requirements would encourage customers to generally avoid draining and refilling of swimming pools and spas and require that they adhere to the Best Practices outlined previously.

- Stage 3 conservation measures would add and make mandatory the Best Practices under subparagraph 4. No New Potable Water Service and

- Stage 4 would prohibit the filling, refilling or adding of water to pools, spas, ponds or artificial lakes entirely.

If the recommendation is accepted, the District would finalize the revised ordinance and schedule a public hearing for adoption at the October 1, Board meeting.

Attachments: *Redlined version of ordinance*

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Update of Las Virgenes Municipal Water District Code: Review Session No. 4 (Pg. 142)

SUMMARY:

This item involves the review of proposed updates to Title 4 of the Las Virgenes Municipal Water District Code (Code). Attached are three versions of the Code sections: (1) the current code; (2) all changes tracked; and (3) a clean version of the proposed code. The proposed changes seek to modernize the Code, eliminate potential inconsistencies, and consolidate related provisions adopted over time.

RECOMMENDATION(S):

Review the proposed updates to Title 4 of the Las Virgenes Municipal Water District Code and provide feedback to staff and the District's Legal Counsel.

FISCAL IMPACT:

No

ITEM BUDGETED:

No

DISCUSSION:

On November 12, 2013, the Board approved the District's Fiscal Year 2013/14 Tactical Actions and Activities proposed with the broader framework of the Strategic Goal and Objectives. Among those goals was to update the Las Virgenes Municipal Water District Code (Code) to modernize its language, eliminate potential inconsistencies, and consolidate related provisions.

On April 22, 2014, the Board reviewed the first section of code, Title 1, General Provisions, on June 24, 2014, the Board reviewed various Chapters of Title 2, and on September 9, the Board reviewed Title 3. This report transmits to the Board proposed revisions to Title 4, Recycled Water. Title 4 revisions focus on streamlining and modernizing the Code and reflect similar changes that the Board reviewed with Title 3 related to potable water.

Staff anticipates presenting proposed revisions to Title 5, Sanitation, to the Board in November.

Prepared By: Donald Patterson, Director of Finance and Administration

ATTACHMENTS:

Title 4 - Current

Title 4 - Changes Tracked

Title 4 - Proposed Revised

TITLE 4 - RECYCLED WATER SERVICE

CHAPTER 1 - GENERAL

ARTICLE 1 - PURPOSE AND SCOPE

4-1.101 PURPOSE

The District wishes to conserve water resources by collecting, treating and recycling sewage and wastewater and beneficially reusing the resultant recycled water.

Where service is desired for landscape irrigation, agricultural irrigation, industrial process water, or a recreational impoundment, the district shall provide the applicant, owner, or customer with recycled water in lieu of potable water whenever deemed possible and appropriate by the district. Determinations on the specific uses to be allowed shall be in accordance with the standards of treatment and water quality requirements set forth in the California Administrative Code, to protect the public health.

4-1.102 SCOPE

The provisions of this Title govern the commencement of recycled water service, the conditions of such service and the regulations which must be followed for such service to continue.

ARTICLE 2 - DEFINITIONS

4-1.201 GENERAL

The terms set forth in this Article are defined for the purposes of this title unless otherwise apparent from context.

4-1.202 AIR-GAP SEPARATION

"Air-Gap Separation" is a physical break between a supply pipe and a receiving vessel. The air-gap shall be at least double the diameter of the supply pipe, measured vertically above the top rim of the vessel, and in no case less than one inch.

4-1.203 APPLICANT

"Applicant" is any person, firm, corporation, association, or agency who desires, or is required by this Title, to obtain recycled water service.

4-1.204 APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE

"Approved Reduced Pressure Principle Backflow Prevention Device" is a device containing two independently acting approved check valves together with a hydraulically operating, mechanically independent pressure relief valve located between the check valves, designed to maintain a reduced pressure between the check valves. The unit shall include properly located test cocks and tightly closing shut-off valves at each end of the assembly.

4-1.205 AUTOMATIC SYSTEM

"Automatic System" in reference to landscape irrigation systems includes automatic controllers, valves, and associated equipment required for the programming of effective water application rates when using recycled water.

4-1.206 AUXILIARY WATER SUPPLY

"Auxiliary Water Supply" shall mean any water supply on or available to the premises other than the district's potable water and recycled water supplies.

4-1.207 CROSS-CONNECTION

"Cross-connection" shall mean any unprotected connection between any part of a water system used or intended to supply water for drinking purposes and any source or system containing recycled water or any other auxiliary water supply that is not or cannot be approved as safe, wholesome, and potable for human consumption.

4-1.208 CUSTOMER

"Customer" shall mean any person, firm, corporation, association, or agency who receives recycled water service from the district.

4-1.209 DESIGN AREA

"Design Area" shall mean the specific land area designated to be irrigated through on-site facilities when used in reference to landscape sprinkler irrigation systems.

4-1.210 OFF-SITE FACILITIES

"Off-site Facilities" shall mean facilities under the control of the district, including recycled water pipelines, reservoirs, pumping stations, manholes, valve connections, treatment facilities, and other appurtenances and property up to the point of connection with the customer's facilities. For recycled water service, the off-site facilities shall be those upstream of the district's meter and the meter box.

4-1.211 ON-SITE FACILITIES

"On-site Facilities" shall mean facilities under the control of the applicant, owner, or customer including but not limited to residential or commercial landscape irrigation systems, agricultural irrigation systems, and backflow devices on the potable water service to prevent cross-connection from auxiliary water supplies. For recycled water service, the on-site facilities shall be those downstream of the district's recycled and potable meters.

4-1.212 ON-SITE RECYCLED WATER SUPERVISOR

"On-site Recycled Water Supervisor" shall mean a qualified person designated by a recycled water applicant and approved by the district. This person shall be knowledgeable in the construction and operation of irrigation systems and in the application of the guidelines, criteria, standards, and rules and regulations governing the proper use of recycled water.

4-1.213 POTABLE WATER

"Potable Water" shall mean that water furnished by the district to the customer for domestic purposes.

4-1.214 RECYCLED WATER

"Recycled Water" as defined in Title 22, Chapter 4, of the California Administrative Code means water which, as a result of tertiary treatment of domestic and industrial wastewater, is suitable for a direct beneficial use or a controlled use that otherwise would not occur.

4-1.215 SERVICE CONNECTION

"Service Connection" shall mean the piping necessary to conduct water from the district's water main to the particular property designated in the application for water service including the meter, meter box, valves and piping equipment within the meter box.

4-1.216 SERVICE

"Service" shall mean the delivery of recycled water.

4-1.217 UNIT

"Unit" is 100 cubic feet of water.

CHAPTER 2 - COMMENCEMENT OF SERVICE

ARTICLE 1 - APPLICATIONS

4-2.101 GENERAL

No person shall make connection to recycled water facilities of the district without a permit issued by the district.

Persons desiring or required to obtain service shall make application for a recycled water permit by providing such information as the General Manager deems appropriate to evaluate the request including but not limited to:

(a) Applicant's and on-site recycled water Supervisor's name;
(b) Identity of property to be served;
(c) Owner of property to be served;
(d) Design area;
(e) On-site irrigation piping plan map and
(f) Anticipated land use requiring irrigation.

4-2.102 APPLICATION PROCEDURE

(a) An application for a permit shall be made in writing, signed by the applicant, owner, or customer, if they are not one and the same.

(b) The applicant for a permit must agree to comply with the requirements of any and all applicable Federal, State and local statutes, ordinances, regulations, and other requirements. Current requirements are available at the district office on request. The district may, in its discretion, require specific prior approval of any permit by any Federal, State or local agency having jurisdiction over or an interest in the operation of the district's facilities.

(c) Upon receipt of an application, the General Manager shall review the application and make such investigation relating thereto as necessary. The General Manager may prescribe requirements in writing to the applicant as to the facilities necessary to be constructed, the manner of connection, the financial requirements and the use of the service, including the availability of adequate on-site recycled water facilities to ensure initial and future continued compliance with the district's regulations and any other applicable requirements.

TITLE 4 - RECYCLED WATER SERVICE

CHAPTER 1 - GENERAL

ARTICLE 1 - PURPOSE AND SCOPE

4-1.101 PURPOSE

The District ~~wishes to conserve water resources by collecting, treating and recycling sewage and wastewater and beneficially reusing the resultant~~ shall provide recycled water~~.~~

~~Where service is desired for landscape irrigation, agricultural irrigation, industrial process water, or a recreational impoundment, the district shall provide the applicant, owner, or customer with recycled water in lieu of~~ whenever feasible to conserve potable water ~~whenever deemed possible and appropriate by the district. Determinations on the specific uses to be allowed shall be in accordance with the standards of treatment and water quality requirements set forth in the California Administrative Code, to protect the public health.~~

4-1.102 SCOPE

~~The provisions of this Title govern the commencement of recycled water service, the conditions of such service and the regulations which must be followed for such service to continue.~~

This title provides the terms for service of recycled water. This Title supplements and does not replace 17 California Code of Regulations ("CCR") and 22 CCR. If this Title is inconsistent with the CCR, then the CCR prevails. If this Title is silent, the CCR is incorporated by this reference.

ARTICLE 2 - DEFINITIONS

4-1.201 GENERAL

The terms set forth in this Article are defined for the purposes of this title unless otherwise apparent from context.

4-1.202 AIR-GAP SEPARATION

"Air-Gap Separation" is a physical break between a supply pipe and a receiving vessel. ~~The air-gap shall be at least double the diameter of the supply pipe, measured vertically above the top rim of the vessel, and in no case less than one inch.~~

4-1.203 APPLICANT

"Applicant" is any person, firm, corporation, association, or agency who ~~desires, or is required by this Title, to obtain~~requests recycled water service.

4-1.204 APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE

"Reduced Pressure Principle Backflow Prevention Device (RP)" is a backflow preventer incorporating not less than two check valves, an automatically operated differential relief valve located between the two check valves, a tightly closing shut-off valve on each side of the check valve assembly, and equipped with necessary test cocks for testing.~~"Approved Reduced Pressure Principle Backflow Prevention Device" is a device containing two independently acting approved check valves together with a hydraulically operating, mechanically independent pressure relief valve located between the check valves, designed to maintain a reduced pressure between the check valves. The unit shall include properly located test cocks and tightly closing shut-off valves at each end of the assembly.~~

4-1.205 ~~AUTOMATIC SYSTEM~~

~~"Automatic System" in reference to landscape irrigation systems includes automatic controllers, valves, and associated equipment required for the programming of effective water application rates when using recycled water.~~

~~4-1.206~~ AUXILIARY WATER SUPPLY

"Auxiliary Water Supply" ~~shall mean~~means any water supply on or available to the premises other than the district's potable water and recycled water supplies.

4-1.~~207~~206 CROSS-CONNECTION

"Cross-connection" ~~shall mean~~means any unprotected connection between any part of a water system used or intended to supply water for drinking purposes and any source or system containing recycled water or any other auxiliary water supply that is not or cannot be approved as safe, wholesome, and potable for human consumption.

4-1.~~208~~207 CUSTOMER

"Customer" ~~shall mean~~means any person, firm, corporation, association, or agency ~~who receives~~receiving recycled water service from the district.

4-1.~~209~~ ~~DESIGN AREA~~208 DUAL PLUMBED SYSTEM

~~"Design Area" shall mean~~"Dual Plumbed System" or "Dual Plumbed" means a system that utilizes separate piping systems for recycled water and potable water within a facility and where the ~~specific land area designated to be irrigated through on-site facilities when~~recycled water is used ~~in reference to~~for either of the following purposes:

(a) To serve plumbing outlets (excluding fire suppression systems) within a building; or
(b) Outdoor landscape ~~sprinkler~~ irrigation ~~systems~~at individual residences.

4-1.~~210~~209 OFF-SITE FACILITIES

"Off-site Facilities" ~~shall mean~~means facilities under the control of the district, upstream of and including the district's meter and the meter box including recycled water pipelines, reservoirs, pumping stations, manholes, valve connections, treatment facilities, and other appurtenances and property ~~up to the point of connection with the customer's facilities. For recycled water service, the off-site facilities shall be those upstream of the district's meter and the meter box.~~.

4-1.~~211~~210 ON-SITE FACILITIES

"On-site Facilities" ~~shall mean~~means facilities under the control of the ~~applicant, owner, or~~ customer downstream of the district's meter and meter box including but not limited to residential or commercial landscape irrigation systems, agricultural irrigation systems, and backflow devices on the potable water service to prevent cross-connection from auxiliary water supplies. ~~For recycled water service, the on-site facilities shall be those downstream of the district's recycled and potable meters.~~

4-1.~~212~~211 ON-SITE RECYCLED WATER SUPERVISOR

"On-site Recycled Water Supervisor" ~~shall mean~~means a qualified person designated by a recycled water ~~applicant~~customer and approved by the district. ~~This person shall be~~ that is knowledgeable in the construction and operation of irrigation systems and in the application of the guidelines, criteria, standards, and rules and regulations governing the proper use of recycled water.

4-1.~~213~~212 POTABLE WATER

"Potable Water" ~~shall mean that~~means water furnished ~~by the district~~ to the customer for domestic purposes.

4-1.~~214~~213 RECYCLED WATER

"Recycled Water" ~~as defined in Title 22, Chapter 4, of the California Administrative Code~~ means water which, as a result of tertiary treatment of domestic and industrial wastewater, is suitable for a direct beneficial use or a controlled use that otherwise would not occur.

4-1.214 RECYCLED WATER SERVICE

"Recycled water service" means the delivery of recycled water.

4-1.215 SERVICE CONNECTION

"Service Connection" ~~shall mean~~means the piping necessary to conduct water from the district's water main to the particular property designated in the application for water service including the meter, meter box, valves and piping equipment within the meter box.

4-1.216 ~~SERVICE~~UNIT

~~"Service" shall mean the delivery of recycled water.~~

~~4-1.217 UNIT~~

"Unit" is 100 cubic feet of water.

CHAPTER 2 - COMMENCEMENT OF SERVICE

ARTICLE 1 - APPLICATIONS

4-2.101 GENERAL

No person shall ~~make connection~~connect to recycled water ~~facilities of the district~~system without a permit issued by the district.

Persons desiring or required to obtain service shall make application for a ~~recycled water~~ permit by providing such information as the General Manager deems appropriate to evaluate the request including but not limited to:

(a) Applicant's and on-site recycled water Supervisor's name;
(b) Identity of property to be served;
(c) Owner of property to be served;
(d) Design area;
(e) On-site irrigation piping plan map and
(f) Anticipated land use requiring irrigation.

4-2.102 APPLICATION PROCEDURE

(a) An application for a permit shall be made in writing, signed by the ~~applicant,~~ owner~~, or customer, if they are not one and~~ of the ~~same.~~

~~(b) The applicant for a permit must agree~~property to ~~comply with the requirements of any and all applicable Federal, State and local statutes, ordinances, regulations, and other requirements. Current requirements are available at the district office on request. The district may, in its discretion, require specific prior approval of any permit by any Federal, State or local agency having jurisdiction over or an interest in the operation of the district's facilities.~~

~~(c) Upon receipt of an application, the General Manager shall review the application and make such investigation relating thereto as necessary. The General Manager may prescribe requirements in writing to the applicant as to the facilities necessary to be constructed, the manner of connection, the financial requirements and the use of the service, including the availability of adequate on-site recycled water facilities to ensure initial and future continued compliance with the district's regulations and any other applicable requirements.~~

~~(d)~~ ~~be~~ served.. If the application is for a commercial account in the name of a corporation or partnership, the applicant shall provide a personal guarantee from an owner or principal of the applying entity, regardless of the form of organization, as follows:

> "I hereby certify I am a principal/officer of the organization listed on the attached application. I accept full responsibility for all fees and charges related to water and sewer service for the organization.
>
> _____
> Name and Title

(b) The applicant shall comply with laws and, regulations, concerning recycled water service, including but not limited to this Title.

(c) The General Manager shall review the application and make such investigation as necessary. The General Manager may prescribe requirements in writing to the applicant as to the facilities necessary to be constructed, the manner of connection, the financial requirements and the use of the service, including the availability of adequate on-site recycled water facilities to ensure initial and future continued compliance with the district's regulations and any other applicable requirements.

4-2.103 PERMIT

(a) The General Manager shall issue a recycled water permit upon ~~approval of an~~ application or state the reasons for ~~recycled water service.~~ disapproval. The permit shall entitle the applicant to receive recycled water service upon the terms and conditions of this Title.

(b) The permit shall include the following:

(1) Name and address of applicant;

(2) A drawing of the proposed ~~system~~on-site facilities showing the location and size of all valves, pipes, outlets, and appurtenances;

(3) A statement that no changes in the proposed ~~system~~on-site facilities will be undertaken without application and approval of an amended permit; and

(4) A statement recognizing potential penalties for violation of district rules and regulations.

4-2.104 MANDATORY SERVICE

~~(a)~~ When~~, in the judgment of~~ the board determines, service can be feasibly provided to a particular parcel for particular uses, the General Manager shall require the use of recycled water in lieu of potable water for those uses. As used herein, the term "feasible" means recycled water is available for delivery to the property in compliance with ~~all applicable~~ federal, state and local laws, ordinances and regulations and such recycled water can be delivered to the property at an overall cost to the user which does not exceed the overall cost of potable water service.

~~(b) A permit for recycled water service shall be issued by the General Manager when the conditions described herein are met.~~

ARTICLE 2 - FEES/DEPOSITS

4-2.201 GENERAL

Applicants for recycled water service shall pay for the construction of facilities necessary to deliver recycled water to the applicant's property and to distribute recycled water upon the applicant's property. However, the district shall reimburse the applicant for a portion of the cost of such facilities as set forth in this Article.

4-2.202 FINANCIAL PARTICIPATION BY DISTRICT

(a) The district ~~encourages the use of recycled water by providing reduced rates for the delivery of recycled water. The district~~ will build recycled water facilities ~~to serve ex-potable or potential recycled water customers if the cost is less than $5500/AF/year of usage. This includes~~, including everything up to and including a recycled water meter and backflow protection on the potable service~~.~~ if the cost of construction is less than $5,500/AF/year of usage

(b) The district may reimburse a developer for costs incurred to extend a recycled water system to a maximum of 50 percent of ~~developer paid~~ Conservation Fund Fees paid by the developer, after first deducting ~~all~~ district costs incurred for the recycled water system~~.~~

(c) ~~In the case of an existing customer, the~~The district may reimburse an existing customer the cost of portions of an extension of the recycled water distribution system installed to receive service from a district recycled water pipeline~~.~~, as follows: The district shall pay for the installation ~~and all~~of off-site facilities ~~required~~ to ~~provide service~~serve the customer or reimburse on half the Water Conservation Fund fees paid for potable service to the property, whichever is less. The district shall pay for the ~~foregoing~~off-site facilities, without limitation based on the amount of Water Conservation Fund fees when an existing potable irrigation service is connected to the district recycled water system during the installation of the district's system.

(d) Recycled water customers ~~are responsible~~shall pay for ~~paying the cost of necessary~~ recycled water facilities, ~~which are~~ not paid for by the district ~~as described herein~~.

CHAPTER 3 - CONDITIONS OF SERVICE

ARTICLE 1 - GENERAL

4-3.101 GENERAL

Service will be provided to property ~~within the district which is contiguous~~ to existing recycled water distribution lines ~~for the uses specified herein~~. Service will be provided to property not contiguous to existing distribution lines if the distribution line is extended to the applicant's property as provided below.

4-3.102 ~~GENERAL REQUIREMENTS:~~ PERMITTED USES

(a) ~~The uses of recycled~~Recycled water may ~~include, but are not limited to~~be used for residential and common area landscape irrigation, agricultural irrigation, industrial process water, dual-plumbed buildings and recreational impoundment. Each ~~such~~ use must be ~~considered for approval~~approved by the district on a case-by-case basis~~, and the district may determine in its discretion whether it is necessary or desirable to furnish recycled water for the specific use involved. Determination as to specific uses to be allowed shall be~~ in accordance with ~~the standards of treatment and water quality requirements set forth in~~ Title 22 of the California Code of Regulations. ~~Prior to approving such uses, the district may, in its discretion, set forth specific requirements as~~The district may impose conditions ~~to providing such services and/or require specific~~ and prior approval from ~~the appropriate~~ regulatory agencies.

(b) Recycled water may be used for residential irrigation ~~by individual homeowners provided:~~

~~(1) if:~~ The design and construction of the ~~private~~ irrigation ~~systems shall be~~system is approved by the district and

~~(2) Each homeowner obtains a permit to receive the water and uses it only for irrigation purposes.~~

(c) Recycled water may be used for common area landscape irrigation ~~provided such~~if the use is controlled by the district, or another party other than the customer, through a surveillance program of areas under irrigation, and ~~provided further:~~The design and construction of the irrigation system is approved by the district

~~(1) The design and construction of the irrigation system shall be approved by the district and~~

~~(2) The owner and operator of the system obtains a permit to receive such water and use it only for irrigation purposes.~~

4-3.103 OTHER LIMITATIONS

~~The district shall not be liable for any damage by recycled water or otherwise resulting from defective plumbing, broken or faulty services, or recycled water mains. All applicants for recycled water service shall be required to~~Customers shall accept such conditions of pressure and service as are provided by the distribution system at the location of the ~~proposed~~ service connection and to hold the district harmless from ~~all~~ damage arising from low pressure or high pressure conditions or from interruptions of service.

4-3.104 SIZE, LOCATION, AND INSTALLATION OF SERVICE LINE

(a) The district ~~reserves the right to~~shall determine the size of the service lines, the service connections, and the meters and ~~shall also have the right to~~ determine the kind and size of backflow protection devices ~~for potable water service, in accordance herewith, and any and all other appurtenances to the service~~. The service lines shall be installed to a curb or property line of the customer's property, abutting upon a public street, highway, alley, easement, lane or road (other than a freeway) in which is the installed recycled water mains of the district.

(b) (1) ~~The district reserves the right to limit the area of land to be supplied by one service connection to one ownership.~~ A service connection shall not be used to supply adjoining property of a different owner without the permission of the district.

(2) When property ~~provided~~ with a service connection is subdivided, such connection shall ~~be considered as serving~~serve the lot or parcel ~~of land that~~ it directly or first enters. Additional mains ~~and/~~or recycled water service lines will be required for ~~all~~ other parcels in the subdivided ~~areas in accordance with this Title~~area.

(3) ~~All recycled~~Recycled water ~~used on any premises where a meter is installed~~ must pass through ~~the meter. Customers shall be held responsible and charges for all recycled water passing through their meters~~a meter.

(4) Every ~~recycled water~~ service ~~line~~ installed by the district shall be equipped with a curb stop or wheel valve on the inlet side of the meter; such valve or curb stop being intended exclusively for the use of the district in controlling the recycled water supply through the service line. If the curb stop or wheel valve is damaged by the customer's use to an extent requiring replacement, such replacement shall be at the customer's expense.

4-3.105 RELOCATION OF RECYCLED WATER SERVICE LINE

Should a service line installed ~~pursuant to the request of the applicant, owner, or customer~~ be of the wrong size or installed at a wrong location, the cost of relocation shall be paid by the ~~applicant, owner, or~~ customer. ~~All services~~Services provided prior to final street improvements ~~shall be considered~~are temporary and the costs for ~~all~~ repairs or changes ~~required to be performed by the district~~ shall be paid by the ~~applicant, owner, or~~ customer.

4-3.106 SCHEDULING RECYCLED WATER

The ~~district reserves the right to~~general manager may control and schedule the use of recycled water ~~if, in the opinion of the General Manager, scheduling is~~as necessary for ~~purposes including, but not limited to,~~ the maintenance of an acceptable working pressure ~~in the recycled water system~~ and providing for reasonable safeguards ~~in relation~~ to public health.

4-3.107 EMERGENCY CONNECTIONS TO RECYCLED WATER SYSTEM

~~If, in the opinion of the General Manager, an emergency exists whereby recycled water is not available, the General Manager may approve a temporary connection to the potable water system. Before such temporary connection is made, the portion without recycled water shall be isolated from the portion with recycled water by an approved air gap. The portion without recycled water shall then be isolated by an approved backflow prevention device, or devices, of the type determined in accordance herewith, and shall be installed on the potable water line or lines in accordance with this Title, and any and all applicable rules and regulations of the State and local health departments. This emergency connection, or connections, shall be removed before connection is reestablished to the remainder of the recycled water system.~~

The General Manager may approve a temporary connection to the potable water system If an emergency exists and recycled water is not available,.

4-3.108 CLASSES OF SERVICE

The classes of service for water delivered by the district are:

(a) Las Virgenes Valley Zone, which includes all recycled water customers receiving water that does not require pumping above a hydraulic gradient of 795'. As used in this Title, Hydraulic Gradient, or H.G., shall mean the maximum water elevation represented by the pressure in a water system, or the maximum surface elevation of the water in the reservoir serving the system.

(b) Western Zone, which includes all recycled water customers receiving water that requires pumping to elevation 1225'.

(c) Calabasas Zone, which includes recycled water customers receiving water that requires pumping to elevation 1525'.

ARTICLE 32 - EXTENSION OF FACILITIES

4-3.201 GENERAL

All off Off-site recycled water facilities and alland on-site recycled water facilities shall be designed and constructed according to the requirements, conditions, and standards as adopted and revised by the Board from time to time, which document is on file at the office of the district, and by this reference is incorporated herein.. The recycled water system, including both off-site and on-site facilities, shall be separate and independent of any potable water system.

4-3.202 ON-SITE RECYCLED WATER FACILITIES

(a) Any on On-site recycled water facility shall be provided by the applicant,property owner, or customer, at the applicant's expense. The applicant, owner, or customer who shall retain title to all such on-site facilities.

(b) On-site facilities, in addition to conforming to applicable district guidelines shall conform to local governing codes, rules, and regulations.

(c) Plans and specifications and record drawings, in accordance with district requirements,for on-site facilities shall be prepared and submitted to the district for on-site facilities. Plans and specifications must be approved by the districtapproval prior to commencing construction.

(d) Irrigation schedules must be prepared and approved in accordance with the above referenced specifications. Prior to commencement of service to any on-site system using recycled water, record drawings shall be provided and approved and the installed system shall be tested under active conditions to ensure that the operation is in accordance with this Title.

(e) In those areas where recycled water is not immediately available for use when the design area is ready for construction, and if(e) If the district has determined that recycled water will be supplied in the future, on-site facilities shall nevertheless be designed to use recycled water. Provisions shall be made and these regulations followed to allow for connection to the district's off-site recycled water facilities when available. In the interim, potable domestic water will be supplied to the on-site facilities through a temporary connection. A backflow preventer will be required on the temporary connection as long as the on-site facilities are using potable water. The backflow preventer shall be downstream of the meter and a part of the on-site facilities. The district will remove the backflow preventer at the owner's expense, and will make the connection to the on-site facilities when recycled water becomes available.

4-3.203 OFF-SITE RECYCLED WATER FACILITIES

(a) AnyPlans and specifications for off-site facilities shall be submitted to and approved by the district in advance of construction. Off-site recycled water distribution facilities that are required to serve the applicant'scustomer's property, shall be provided by the applicant,property owner, or customer at his expense, unless the district determines it is a district benefit to construct these capital facilities.

(b) The district may require the construction of off-site facilities including reservoirs, pumping facilities, and treatment capacity, either within the area described in the

application for service or outside of such area, larger than the size determined by the district to be required for providing adequate service to the property described in the application submitted to the district. In such cases, the district will ~~contract with the applicant, owner or customer for~~ reimbursement the property owner on a pro rata basis for the difference between the cost of the required facilities ~~that the developer is required to install~~ and the cost of the facilities ~~which otherwise would be required to provide adequate service to~~to serve the property described in the application for service ~~submitted to the district in the manner herein provided.~~

~~(c)~~ The terms, extent, and provisions of such reimbursement agreement shall be determined from time to time by the district in its discretion. ~~In no event~~

Interest shall ~~interest~~not be paid on ~~any such amounts.~~the reimbursement. The period of time in which reimbursement will be made will be determined by the district, ~~dependent upon~~based on the amount necessary to be advanced by the ~~applicant,~~property owner~~, or customer~~ in addition to other normal charges, the probability of receipt of payment and of the anticipated course of development of the particular portion of the district in which the facilities are proposed to be constructed. The amount ~~so~~ advanced for facilities available to lands outside the area described in the application for service shall be taken into account when development occurs for which such facilities are constructed and the district ~~reserves the right to~~may impose and charge additional connection charges, initial charges, and costs, if necessary, to cause equitable reimbursement in any such instances.

~~(d) Plans and specifications for off-site facilities shall be submitted to and approved by the district in advance of construction.~~

(e) The district shall provide recycled water to the point of connection of the off-site facilities to on-site facility ~~upon transfer to the district of~~when title to all facilities in the required systems and any necessary easements ~~thereof. All easements shall be in a form acceptable to the district and not subject to outstanding obligations to relocate such facilities or any deeds of trust, except in instances where such is recommended by the General Manager to be in the best interests of the district.~~have been conveyed to the district.

4-3.204 CONVERSIONS OF EXISTING FACILITIES FOR RECYCLED WATER

Where ~~it is planned that~~ an existing water system ~~be~~is converted to a recycled water facility, the facilities to be converted ~~to recycled water~~ shall be investigated ~~in detail, including a review of any record drawings, preparation of required reports,~~ and ~~determinations by the district of~~ measures necessary to bring the system into full compliance with this Title shall be installed before recycled water service commences. No existing potable water facilities shall be connected to or incorporated into the recycled water system without district approval.

CHAPTER - 4 CONTINUATION OF SERVICE

ARTICLE 1 - RATES: TIME/MANNER OF PAYMENT

4-4.101 GENERAL

A recycled water customer shall ~~be entitled to continue to~~ receive recycled water service ~~from the district by~~in compliance with ~~the terms of~~ this chapter.

4-4.102 ~~BI-MONTHLY WATER RATES INSIDE THE DISTRICT~~READINESS TO SERVE CHARGE

A customer obtaining permanent service for property ~~located within the district~~ shall pay ~~the bi-monthly water rates~~a readiness to serve charge set forth below based upon the size of the meter serving the property.

Size of Meter	~~Bi-Monthly Service~~Readiness to Serve Charge
3/4" - 12"	No Charge

4-4.103[1] COMMODITY CHARGES

(a) Each recycled water customer shall pay a commodity charge for water delivered through each meter in a bimonthly period based on the class of customer, tier allotments, and the elevation zone within which the customer's property is located as follows.

(b) Tier allotments in billing units for recycled water customers shall be determined by multiplying the base tier allotments by the meter capacity ratio for the recycled water meter serving the property.

	Base Tier Allotments
Tier 1	First 16
Tier 2	Next 51
Tier 3	Next 133
Tier 4	Over 200

Meter Size	Meter Capacity Ratio
3/4"	1.0
1"	1.7
1-1/2"	3.3
2"	5.3
3"	10.7
4"	16.7
6"	33.3
8"	53.3
10"	76.7

(c) Recycled Water rates will increase each year, commencing January 1, 2013, through January 1, 2015, using the Bureau of Labor Statistics, Consumer Price Index for All Urban Consumers (CPI-U); Los Angeles, Riverside-Orange Counties, CA; Commodity and Service Group All Items. Use CPI percent change for 12-month period ending in October of the previous year. Current rates are as follows:

[1] Amended by Ord. No. 11-12-270, adopted on Nov. 13, 2012.

Tier	Current [1]	
	Las Virgenes Valley	Western System/ Calabasas [2]
Tier 1	$1.04	$1.27
Tier 2	$1.36	$1.59
Tier 3	$2.16	$2.39
Tier 4	$3.36	$3.59

~~Notes:~~
~~1. "Readiness to serve" charge does not apply to recycled water service.~~
~~2. These rates include the additional cost for pumping.~~

4-4.104[2] RECYCLED WATER TEMPORARY SERVICE RATES

(a) A monthly readiness to serve charge shall be paid for each temporary meter to offset the cost of providing facilities to serve the customer and shall be paid following the installation of the meter and regardless of whether the customer takes delivery of water or not. Temporary Recycled Meter charges are calculated by multiplying the potable rate for the same size meter by 1.5 and then dividing by two because temporary accounts are billed monthly instead of bi-monthly as the potable accounts are:

Meter Size	Commencing with meter reads on or after:		
	1/1/2013	1/1/2014	1/1/2015
1"	$ 31.78	$ 33.37	$ 35.04
2-1/2"	169.32	177.79	186.68
3"	169.32	177.79	186.68
4"	261.45	274.53	288.26
6"	515.82	541.62	568.71
8"	822.15	863.26	906.43
10"	1,178.89	1,237.84	1,299.74

(b) The monthly volume charge for recycled water delivered through temporary meters shall be 150% of the Tier 4 recycled water rates for the site where the temporary meter is connected.

(c) An installation fee of $50.00 shall be paid prior to installation of the temporary meter by district staff. In addition, a meter deposit of $500.00 for a 1" meter or $1,500.00 for a 2-1/2" meter shall be required prior to installation of the meter. Such meter deposit will be refunded, net any costs incurred by the district relative to the temporary meter. For meters larger than 2-1/2", the deposit shall be 2 times the cost of the meter.

(d) Prior to the installation of the temporary meter, the customer shall be required to pay a deposit in an amount sufficient to guarantee the payment of twelve months of water bills as estimated by the General Manager. Such deposit will be refunded, net any costs unpaid to the district for recycled water usage.

[2] Amended by Ord. No. 11-12-270, adopted on Nov. 13, 2012.

ARTICLE 2 - USAGE

4-4.201 FACILITIES OPERATION: OFF-SITE RECYCLED WATER FACILITIES

Operation and surveillance of ~~all of the district's off-site recycled water system facilities, including but not limited to recycled water pipelines, reservoirs, pumping stations, fire hydrants, manholes, valves, connections, supply inter-ties, treatment facilities, and other appurtenances and property up to and including the district's meter,~~off-site recycled water system facilities shall be under the management and control of the district. No other persons except authorized employees of the district ~~shall have any right to~~may enter upon, inspect, operate, adjust, change, alter, move, or relocate any portion of the ~~foregoing, or any of the district's property. If such should occur, all charges and penalties shall be applicable and collected. Such action may also be in violation of any and all applicable Federal, State, and local statutes, ordinances, regulations, and other requirements.~~off-site recycled water facilities.

4-4.202 FACILITIES OPERATIONS: ON-SITE FACILITIES

(a) The operation and maintenance of on-site recycled water distribution facilities are the responsibility of the ~~applicant,~~property owner ~~or customer~~.

(b) The operation and maintenance of ~~all~~ on-site recycled water system facilities, ~~including but not limited to landscape~~serving common area irrigation ~~systems, agricultural irrigation systems, systems utilized in relation to use of recycled water for industrial process or construction purposes, or recreational impoundment systems using the district's recycled water~~ shall be under the management of an "on-site Recycled Water Supervisor" designated by the ~~applicant,~~property owner ~~or customer~~ and approved by the district. ~~The district may, from time to time, require that an "on-site Recycled Water Supervisor" obtain instruction in the use of recycled water, such instruction being provided by or approved by the district.~~

(c) The General Manager shall monitor and inspect the entire recycled water system, including on-site and off-site facilities~~, and~~ for these purposes shall have the right to enter upon the customer's premises during reasonable hours. Where necessary, keys and/or combinations shall be issued to the district to provide such access.

(d) The ~~applicant,~~property owner ~~or customer~~ shall have the following responsibilities in relation to operation of on-site facilities:

(1) ~~To make sure that all~~Ensure operations personnel are trained and familiarized with the use of recycled water.

(2) ~~To furnish their~~Furnish operations personnel with maintenance instructions, irrigation schedules, and record drawings to ensure proper operation in accordance with the on-site facilities design and this Title.

(3) ~~To prepare~~Prepare and submit to the district one (1) set of record drawings on Mylar or in digital format.

(4) ~~To notify~~Notify the district of ~~any and all updates or~~ proposed changes, modifications or additions to the on-site facilities, which changes shall be approved by the district and shall be designed and constructed in accordance~~ing to the requirements, conditions and standards set forth in the district's "Guidelines of Recycled Water Facilities" and set forth in this title. In accordance with the above referenced requirements, conditions and standards, changes must be submitted to the district for plan check and approval prior to construction. The district shall inspect the construction and the district shall approve revised record drawings and controller charts. The district may, if it deems such to be in the best interest of the district, waive or modify any of the foregoing.~~with the requirements ~~in~~of this title.

(5) ~~To ensure that~~Ensure the recycled water facilities remain in accordance with this Title.

(6) ~~To operate~~Operate and control the system ~~in order~~ to prevent direct human consumption of recycled water and to control and limit runoff~~. The applicant, owner or customer shall be~~

(7) Be responsible for ~~any and all~~ subsequent uses of the recycled water.

(8) Operation and control measures to be utilized in this regard shall include, where appropriate, but not be limited to the following:

(a) On-site facilities shall be operated to prevent or minimize discharge into areas not under control of the customer. Part circle sprinklers shall be used adjacent to sidewalks, roadways, and property lines to confine the discharge from sprinklers to the design area.

(b) The operation of the on-site facilities shall be during the periods of minimal use of the service area. Consideration shall be given to allow a maximum dry-out time before the design area will be used by the public.

(c) Recycled water shall be applied at a rate that does not exceed the infiltration rate of the soil. Where varying soil types are present, the design and operation of the on-site facilities shall be compatible with the lowest infiltration rate present.

(d) To prevent runoff and ponding, automatic systems shall be utilized and programmed to prevent or minimize the ponding and runoff of recycled water. The sprinkler system shall not be allowed to operate for a time longer than the landscape's water requirement. If runoff occurs before the landscape's water requirements are met, the automatic controls shall be reprogrammed to lessen watering cycles to meet the requirements. This method of operation is intended to control and limit runoff.

(e) To report to the district any and all failures in their system that causes an unauthorized discharge of recycled water.

(7) To comply with any and all applicable Federal, State and local statutes, ordinances, regulations, contracts, these Rules and regulations, and all requirements prescribed by the General Manager and the Board. In the event of violation, all charges and penalties shall be applied and collected.

4-4.203 WASTE OF WATER PROHIBITED

No customer shall knowingly permit waste or leaks of water. Where water is wastefully or negligently used on the customer's premises, the district may discontinue the service, if such conditions are not corrected within five days after the General Manager gives the customer written notice.~~WATER CONSERVATION~~

~~It is the desire of the district to effect conservation of water resources whenever possible, such measures being consistent with legal responsibilities to seek to wisely utilize the water resources of the State of California and the district. No irrigation of new or existing parks, median strips, landscaped public areas or landscaped areas, lawns, or gardens surrounding single-family homes, condominiums, townhouses, apartments, and industrial parks shall occur in such a way as to wastewater. The rate and extent of application of water shall be controlled by the consumer so as to minimize runoff from the irrigated areas.~~

~~4-4.204~~ METER TESTING

(a) If the recycled water meter fails to register ~~during any period, or is known to register~~or registers inaccurately, the customer shall be charged with an average daily consumption at the same season shown by the reading of the meter when in use and registering accurately.

(b) A customer may demand the ~~meter be tested by the~~ district test the meter and costs shall be charged to the customer in the same manner as for testing a potable water meter.

ARTICLE 43 - PROTECTIVE MEASURES

4-4.301 CROSS-CONNECTION PREVENTION: GENERAL

~~The purpose of these provisions is to protect the district's potable water supply against actual or potential cross-connection by isolating within the premises contamination or pollution that may occur because of some undiscovered or unauthorized cross-connection in the premises, and to prevent cross-connections from occurring in the future, in accordance with Title 17, Chapter 5, Section 7583-7622, of the California Administrative Code. These provisions shall be in addition to and not in lieu of the controls and requirements of other regulatory agencies, such as local governmental agencies and local and State health departments.~~ These regulations are intended to protect the district's potable water supply and are not intended ~~to provide regulatory measures~~ for protection of users from the hazards of cross-connections within their own premises.

The district shall provide backflow prevention devices on the potable water service to the premises. Such devices shall be owned and maintained by the district and located on the premises of the property served and shall not be on the district's portion of the system.

4-4.302 CROSS CONNECTION PREVENTION: WHERE PROTECTION IS REQUIRED

(a) On-site recycled water systems are a separate and controlled non-potable system. Under normal conditions, protective devices will be required on the district's potable water service. Under no circumstances will the district tolerate an actual or potential cross-connection between the district's potable water supply and the customer's on-site non-potable water facilities.

(b) The district will require cross-connection control on the district's potable water supply in all cases and shall review each service on a case-by-case basis. The district will require a backflow prevention device on its potable water supply at its discretion, and specifically:

(i) When recycled water is used on individually owned and controlled premises;

(ii) When the recycled water system has additional pressure and

(iii) When determined this is a risk of cross-connection ~~by Las Virgenes~~.

~~This type of protection device if required by the district shall be determined by the district.~~

4-4.303 INSPECTION OF PROTECTIVE DEVICES

The district shall inspect backflow prevention devices at lease once a year, or more often in those instances where successive inspections indicate repeated failure. All inspections and testing shall be performed by a tester certified by the local health department. These devices shall be repaired, overhauled, or replaced at the expense of the water user whenever they are found to be defective. Records of all such tests, repairs and overhauls shall be maintained by a list and made available to the local health department. Northing contained herein shall relieve a potable water customer from the duty to install and maintain backflow prevention devices under Title 3 of this Code.

4-4.304 MARKING SAFE AND UNSAFE WATER LINES

Where the premises contain dual or multiple water systems and piping, the exposed portions for recycled water pipelines shall be painted, banded or marked at sufficient intervals. All outlets from secondary or other potentially contaminated systems shall be posted as being contaminated and unsafe for drinking purposes.

4-4.305 ON-SITE RECYCLED WATER SUPERVISOR

The district, ~~who~~which in turn will notify the local and State ~~Health Departments, and the Regional~~ Water ~~Quality~~Resources Control Board, shall be kept informed of the identity of the person responsible for the water piping on all premises concerned with these regulations. At each ~~premises~~premise where it is necessary in the opinion of the regulatory agency and/or the district, a Water Supervisor shall be designated. This Water Supervisor shall be responsible for the installation and the use of pipelines and equipment and for the prevention of cross-connections.

In the event of contamination or pollution of the drinking water system due to a cross-connection on the premises, the local health officer and the district shall be promptly advised by the person responsible for the water system so that appropriate measures may be taken to overcome the contamination or pollution."

TITLE 4 - RECYCLED WATER SERVICE

CHAPTER 1 - GENERAL

ARTICLE 1 - PURPOSE AND SCOPE

4-1.101 PURPOSE

The District shall provide recycled water whenever feasible to conserve potable water

4-1.102 SCOPE

This title provides the terms for service of recycled water. This Title supplements and does not replace 17 California Code of Regulations ("CCR") and 22 CCR. If this Title is inconsistent with the CCR, then the CCR prevails. If this Title is silent, the CCR is incorporated by this reference.

ARTICLE 2 - DEFINITIONS

4-1.201 GENERAL

The terms set forth in this Article are defined for the purposes of this title unless otherwise apparent from context.

4-1.202 AIR-GAP SEPARATION

"Air-Gap Separation" is a physical break between a supply pipe and a receiving vessel.

4-1.203 APPLICANT

"Applicant" is any person, firm, corporation, association, or agency who requests recycled water service.

4-1.204 APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE

"Reduced Pressure Principle Backflow Prevention Device (RP)" is a backflow preventer incorporating not less than two check valves, an automatically operated differential relief valve located between the two check valves, a tightly closing shut-off valve on each side of the check valve assembly, and equipped with necessary test cocks for testing.

4-1.205 AUXILIARY WATER SUPPLY

"Auxiliary Water Supply" means any water supply on or available to the premises other than the district's potable water and recycled water supplies.

4-1.206 CROSS-CONNECTION

"Cross-connection" means any unprotected connection between any part of a water system used or intended to supply water for drinking purposes and any source or system containing recycled water or any other auxiliary water supply that is not or cannot be approved as safe, wholesome, and potable for human consumption.

4-1.207 CUSTOMER

"Customer" means any person, firm, corporation, association, or agency receiving recycled water service from the district.

4-1.208 DUAL PLUMBED SYSTEM

"Dual Plumbed System" or "Dual Plumbed" means a system that utilizes separate piping systems for recycled water and potable water within a facility and where the recycled water is used for either of the following purposes:

(a) To serve plumbing outlets (excluding fire suppression systems) within a building; or
(b) Outdoor landscape irrigation at individual residences.

4-1.209 OFF-SITE FACILITIES

"Off-site Facilities" means facilities under the control of the district, upstream of and including the district's meter and the meter box including recycled water pipelines, reservoirs, pumping stations, manholes, valve connections, treatment facilities, and other appurtenances and property.

4-1.210 ON-SITE FACILITIES

"On-site Facilities" means facilities under the control of the customer downstream of the district's meter and meter box including but not limited to residential or commercial landscape irrigation systems, agricultural irrigation systems, and backflow devices on the potable water service to prevent cross-connection from auxiliary water supplies.

4-1.211 ON-SITE RECYCLED WATER SUPERVISOR

"On-site Recycled Water Supervisor" means a qualified person designated by a recycled water customer and approved by the district that is knowledgeable in the construction and operation of irrigation systems and in the application of the guidelines, criteria, standards, and rules and regulations governing the proper use of recycled water.

4-1.212 POTABLE WATER

"Potable Water" means water furnished to the customer for domestic purposes.

4-1.213 RECYCLED WATER

"Recycled Water" means water which, as a result of tertiary treatment of domestic and industrial wastewater, is suitable for a direct beneficial use or a controlled use that otherwise would not occur.

4-1.214 RECYCLED WATER SERVICE

"Recycled water service" means the delivery of recycled water.

4-1.215 SERVICE CONNECTION

"Service Connection" means the piping necessary to conduct water from the district's water main to the particular property designated in the application for water service including the meter, meter box, valves and piping equipment within the meter box.

4-1.216 UNIT

"Unit" is 100 cubic feet of water.

CHAPTER 2 - COMMENCEMENT OF SERVICE

ARTICLE 1 - APPLICATIONS

4-2.101 GENERAL

No person shall connect to recycled water system without a permit issued by the district.

Persons desiring or required to obtain service shall make application for a permit by providing such information as the General Manager deems appropriate to evaluate the request including but not limited to:

(a) Applicant's and on-site recycled water Supervisor's name;
(b) Identity of property to be served;
(c) Owner of property to be served;
(d) Design area;
(e) On-site irrigation piping plan map and
(f) Anticipated land use requiring irrigation.

4-2.102 APPLICATION PROCEDURE

(a) An application for a permit shall be made in writing, signed by the owner of the property to be served.. If the application is for a commercial account in the name of a corporation or partnership, the applicant shall provide a personal guarantee from an owner or principal of the applying entity, regardless of the form of organization, as follows:

> "I hereby certify I am a principal/officer of the organization listed on the attached application. I accept full responsibility for all fees and charges related to water and sewer service for the organization.
>
> _____
> Name and Title

(b) The applicant shall comply with laws and, regulations, concerning recycled water service, including but not limited to this Title.
(c) The General Manager shall review the application and make such investigation as necessary. The General Manager may prescribe requirements in writing to the applicant as to the facilities necessary to be constructed, the manner of connection, the financial requirements and the use of the service, including the availability of adequate on-site recycled water facilities to ensure initial and future continued compliance with the district's regulations and any other applicable requirements.

4-2.103 PERMIT

(a) The General Manager shall issue a recycled water permit upon application or state the reasons for disapproval. The permit shall entitle the applicant to receive recycled water service upon the terms and conditions of this Title.

(b) The permit shall include the following:

(1) Name and address of applicant;

(2) A drawing of the proposed on-site facilities showing the location and size of all valves, pipes, outlets, and appurtenances;

(3) A statement that no changes in the proposed on-site facilities will be undertaken without application and approval of an amended permit; and

(4) A statement recognizing potential penalties for violation of district rules and regulations.

4-2.104 MANDATORY SERVICE

When the board determines, service can be feasibly provided to a particular parcel for particular uses, the General Manager shall require the use of recycled water in lieu of potable water for those uses. As used herein, the term "feasible" means recycled water is available for delivery to the property in compliance with federal, state and local laws, ordinances and regulations and such recycled water can be delivered to the property at an overall cost to the user which does not exceed the overall cost of potable water service.

ARTICLE 2 - FEES/DEPOSITS

4-2.201 GENERAL

Applicants for recycled water service shall pay for the construction of facilities necessary to deliver recycled water to the applicant's property and to distribute recycled water upon the applicant's property. However, the district shall reimburse the applicant for a portion of the cost of such facilities as set forth in this Article.

4-2.202 FINANCIAL PARTICIPATION BY DISTRICT

(a) The district will build recycled water facilities, including everything up to and including a recycled water meter and backflow protection on the potable service if the cost of construction is less than $5,500/AF/year of usage

(b) The district may reimburse a developer for costs incurred to extend a recycled water system to a maximum of 50 percent of Conservation Fund Fees paid by the developer, after first deducting district costs incurred for the recycled water system

(c) The district may reimburse an existing customer the cost of portions of an extension of the recycled water distribution system installed to receive service from a district recycled water pipeline, as follows: The district shall pay for the installation of off-site facilities to serve the customer or reimburse on half the Water Conservation Fund fees paid for potable service to the property, whichever is less. The district shall pay for the off-site facilities, without limitation based on the amount of Water Conservation Fund fees when an existing potable irrigation service is connected to the district recycled water system during the installation of the district's system.

(d) Recycled water customers shall pay for recycled water facilities, not paid for by the district.

CHAPTER 3 - CONDITIONS OF SERVICE

ARTICLE 1 - GENERAL

4-3.101 GENERAL

Service will be provided to property to existing recycled water distribution lines. Service will be provided to property not contiguous to existing distribution lines if the distribution line is extended to the applicant's property as provided below.

4-3.102 PERMITTED USES

(a) Recycled water may be used for residential and common area landscape irrigation, agricultural irrigation, industrial process water, dual-plumbed buildings and recreational impoundment. Each use must be approved by the district on a case-by-case basis in accordance with Title 22 of the California Code of Regulations. The district may impose conditions and prior approval from regulatory agencies.

(b) Recycled water may be used for residential irrigation if: The design and construction of the irrigation system is approved by the district and

(c) Recycled water may be used for common area landscape irrigation if the use is controlled by the district, or another party other than the customer, through a surveillance program of areas under irrigation, and the design and construction of the irrigation system is approved by the district

4-3.103 OTHER LIMITATIONS

Customers shall accept such conditions of pressure and service as are provided by the distribution system at the location of the service connection and to hold the district harmless from damage arising from low pressure or high pressure conditions or from interruptions of service.

4-3.104 SIZE, LOCATION, AND INSTALLATION OF SERVICE LINE

(a) The district shall determine the size of the service lines, the service connections, and the meters and determine the kind and size of backflow protection devices. The service lines shall be installed to a curb or property line of the customer's property, abutting upon a public street, highway, alley, easement, lane or road (other than a freeway) in which is the installed recycled water mains of the district.

(b) (1) A service connection shall not be used to supply adjoining property of a different owner without the permission of the district.

(2) When property with a service connection is subdivided, such connection shall serve the lot or parcel it directly or first enters. Additional mains or recycled water service lines will be required for other parcels in the subdivided area.

(3) Recycled water must pass through a meter.

(4) Every service installed by the district shall be equipped with a curb stop or wheel valve on the inlet side of the meter; such valve or curb stop being intended exclusively for the use of the district in controlling the recycled water supply through the

service line. If the curb stop or wheel valve is damaged by the customer's use to an extent requiring replacement, such replacement shall be at the customer's expense.

4-3.105 RELOCATION OF RECYCLED WATER SERVICE LINE

Should a service line installed be of the wrong size or installed at a wrong location, the cost of relocation shall be paid by the customer. Services provided prior to final street improvements are temporary and the costs for repairs or changes shall be paid by the customer.

4-3.106 SCHEDULING RECYCLED WATER

The general manager may control and schedule the use of recycled water as necessary for the maintenance of an acceptable working pressure and providing for reasonable safeguards to public health.

4-3.107 EMERGENCY CONNECTIONS TO RECYCLED WATER SYSTEM

The General Manager may approve a temporary connection to the potable water system If an emergency exists and recycled water is not available,.

4-3.108 CLASSES OF SERVICE

The classes of service for water delivered by the district are:

(a) Las Virgenes Valley Zone, which includes all recycled water customers receiving water that does not require pumping above a hydraulic gradient of 795'. As used in this Title, Hydraulic Gradient, or H.G., shall mean the maximum water elevation represented by the pressure in a water system, or the maximum surface elevation of the water in the reservoir serving the system.

(b) Western Zone, which includes all recycled water customers receiving water that requires pumping to elevation 1225'.

(c) Calabasas Zone, which includes recycled water customers receiving water that requires pumping to elevation 1525'.

ARTICLE 2 - EXTENSION OF FACILITIES

4-3.201 GENERAL

Off-site and on-site recycled water facilities shall be designed and constructed according to the standards as adopted and revised by the Board from time to time. The recycled water system shall be separate and independent of any potable water system.

4-3.202 ON-SITE RECYCLED WATER FACILITIES

(a) On-site recycled water facility shall be provided by the property owner who shall retain title to such facilities.

(c) Plans and specifications for on-site facilities shall be submitted to the district for approval prior to construction.

(d) Prior to commencement of service record drawings shall be provided and approved and the installed system shall be tested under active conditions to ensure the operation in accordance with this Title.

(e) If the district has determined that recycled water will be supplied in the future, on-site facilities shall nevertheless be designed to use recycled water. Provisions shall be made to allow for connection to the district's off-site recycled water facilities when available. In the interim, potable domestic water will be supplied to the on-site facilities through a temporary connection

4-3.203 OFF-SITE RECYCLED WATER FACILITIES

(a) Plans and specifications for off-site facilities shall be submitted to and approved by the district in advance of construction. Off-site recycled water distribution facilities required to serve the customer's property, shall be provided by property owner unless the district determines it is a district benefit to construct these capital facilities.

(b) The district may require the construction of off-site facilities including reservoirs, pumping facilities, and treatment capacity, within the area described in the application for service or outside of such area, larger than the size determined by the district to be required for providing adequate service to the property described in the application submitted to the district. In such cases, the district will reimbursement the property owner on a pro rata basis for the difference between the cost of the required facilities and the cost of the facilities to serve the property described in the application for service. The terms, extent, and provisions of such reimbursement agreement shall be determined from time to time by the district in its discretion.

Interest shall not be paid on the reimbursement. The period of time in which reimbursement will be made will be determined by the district, based on the amount necessary to be advanced by the property owner in addition to other normal charges, the probability of receipt of payment and of the anticipated course of development of the particular portion of the district in which the facilities are proposed to be constructed. The amount advanced for facilities available to lands outside the area described in the application for service shall be taken into account when development occurs for which such facilities are constructed and the district may impose and charge additional connection charges, initial charges, and costs, if necessary, to cause equitable reimbursement in any such instances.

(e) The district shall provide recycled water to the point of connection of the off-site facilities to on-site facility when title to all facilities in the required systems and any necessary easements have been conveyed to the district.

4-3.204 CONVERSIONS OF EXISTING FACILITIES FOR RECYCLED WATER

Where an existing water system is converted to a recycled water facility, the facilities to be converted shall be investigated and measures necessary to bring the system into full compliance with this Title shall be installed before recycled water service commences. No existing potable water facilities shall be connected to or incorporated into the recycled water system without district approval.

CHAPTER - 4 CONTINUATION OF SERVICE

ARTICLE 1 - RATES: TIME/MANNER OF PAYMENT

4-4.101 GENERAL

A recycled water customer shall receive recycled water service in compliance with this chapter.

4-4.102 READINESS TO SERVE CHARGE

A customer obtaining permanent service for property shall pay a readiness to serve charge set forth below based upon the size of the meter serving the property.

Size of Meter	Readiness to Serve Charge
3/4" - 12"	No Charge

4-4.103[1] COMMODITY CHARGES

(a) Each recycled water customer shall pay a commodity charge for water delivered through each meter in a bimonthly period based on the class of customer, tier allotments, and the elevation zone within which the customer's property is located as follows.

(b) Tier allotments in billing units for recycled water customers shall be determined by multiplying the base tier allotments by the meter capacity ratio for the recycled water meter serving the property.

	Base Tier Allotments
Tier 1	First 16
Tier 2	Next 51
Tier 3	Next 133
Tier 4	Over 200

Meter Size	Meter Capacity Ratio
3/4"	1.0
1"	1.7
1-1/2"	3.3
2"	5.3
3"	10.7
4"	16.7
6"	33.3
8"	53.3
10"	76.7

(c) Recycled Water rates will increase each year, commencing January 1, 2013, through January 1, 2015, using the Bureau of Labor Statistics, Consumer Price Index for All Urban Consumers (CPI-U); Los Angeles, Riverside-Orange Counties, CA; Commodity and Service Group All Items. Use CPI percent change for 12-month period ending in October of the previous year. Current rates are as follows:

[1] Amended by Ord. No. 11-12-270, adopted on Nov. 13, 2012.

Tier	Current	
	Las Virgenes Valley	Western System/ Calabasas
Tier 1	$1.04	$1.27
Tier 2	$1.36	$1.59
Tier 3	$2.16	$2.39
Tier 4	$3.36	$3.59

4-4.104[2] RECYCLED WATER TEMPORARY SERVICE RATES

(a) A monthly readiness to serve charge shall be paid for each temporary meter to offset the cost of providing facilities to serve the customer and shall be paid following the installation of the meter and regardless of whether the customer takes delivery of water or not. Temporary Recycled Meter charges are calculated by multiplying the potable rate for the same size meter by 1.5 and then dividing by two because temporary accounts are billed monthly instead of bi-monthly as the potable accounts are:

Meter Size	Commencing with meter reads on or after:		
	1/1/2013	1/1/2014	1/1/2015
1"	$ 31.78	$ 33.37	$ 35.04
2-1/2"	169.32	177.79	186.68
3"	169.32	177.79	186.68
4"	261.45	274.53	288.26
6"	515.82	541.62	568.71
8"	822.15	863.26	906.43
10"	1,178.89	1,237.84	1,299.74

(b) The monthly volume charge for recycled water delivered through temporary meters shall be 150% of the Tier 4 recycled water rates for the site where the temporary meter is connected.

(c) An installation fee of $50.00 shall be paid prior to installation of the temporary meter by district staff. In addition, a meter deposit of $500.00 for a 1" meter or $1,500.00 for a 2-1/2" meter shall be required prior to installation of the meter. Such meter deposit will be refunded, net any costs incurred by the district relative to the temporary meter. For meters larger than 2-1/2", the deposit shall be 2 times the cost of the meter.

(d) Prior to the installation of the temporary meter, the customer shall be required to pay a deposit in an amount sufficient to guarantee the payment of twelve months of water bills as estimated by the General Manager. Such deposit will be refunded, net any costs unpaid to the district for recycled water usage.

[2] Amended by Ord. No. 11-12-270, adopted on Nov. 13, 2012.

ARTICLE 2 - USAGE

4-4.201 FACILITIES OPERATION: OFF-SITE RECYCLED WATER FACILITIES

Operation and surveillance of off-site recycled water system facilities shall be under the management and control of the district. No other persons except authorized employees of the district may enter upon, inspect, operate, adjust, change, alter, move, or relocate any portion of the off-site recycled water facilities.

4-4.202 FACILITIES OPERATIONS: ON-SITE FACILITIES

(a) The operation and maintenance of on-site recycled water distribution facilities are the responsibility of the property owner.

(b) The operation and maintenance of on-site recycled water system facilities, serving common area irrigation shall be under the management of an "on-site Recycled Water Supervisor" designated by the property owner and approved by the district.

(c) The General Manager shall monitor and inspect the entire recycled water system, including on-site and off-site facilities for these purposes shall have the right to enter upon the customer's premises during reasonable hours. Where necessary, keys and/or combinations shall be issued to the district to provide such access.

(d) The property owner shall have the following responsibilities in relation to operation of on-site facilities:

(1) Ensure operations personnel are trained and familiarized with the use of recycled water.

(2) Furnish operations personnel with maintenance instructions, irrigation schedules, and record drawings to ensure proper operation in accordance with the on-site facilities design and this Title.

(3) Prepare and submit to the district one (1) set of record drawings on Mylar or in digital format.

(4) Notify the district of proposed changes, modifications or additions to the on-site facilities, which changes shall be approved by the district and shall be designed and constructed in accordance with the requirements of this title.

(5) Ensure the recycled water facilities remain in accordance with this Title.

(6) Operate and control the system to prevent direct human consumption of recycled water and to control and limit runoff

(7) Be responsible for subsequent uses of the recycled water.

(8) Operation and control measures to be utilized in this regard shall include, where appropriate, but not be limited to the following:

(a) On-site facilities shall be operated to prevent or minimize discharge into areas not under control of the customer. Part circle sprinklers shall be used adjacent to sidewalks, roadways, and property lines to confine the discharge from sprinklers to the design area.

(b) The operation of the on-site facilities shall be during the periods of minimal use of the service area. Consideration shall be given to allow a maximum dry-out time before the design area will be used by the public.

(c) Recycled water shall be applied at a rate that does not exceed the infiltration rate of the soil. Where varying soil types are present, the design and operation of the on-site facilities shall be compatible with the lowest infiltration rate present.

(d) To prevent runoff and ponding, automatic systems shall be utilized and programmed to prevent or minimize the ponding and runoff of recycled water. The sprinkler system shall not be allowed to operate for a time longer than the landscape's water requirement. If runoff occurs before the landscape's water requirements are met, the automatic controls shall be reprogrammed to lessen watering cycles to meet the requirements. This method of operation is intended to control and limit runoff.

(e) To report to the district any and all failures in their system that causes an unauthorized discharge of recycled water.

(7) To comply with any and all applicable Federal, State and local statutes, ordinances, regulations, contracts, these Rules and regulations, and all requirements prescribed by the General Manager and the Board. In the event of violation, all charges and penalties shall be applied and collected.

4-4.203 WASTE OF WATER PROHIBITED

No customer shall knowingly permit waste or leaks of water. Where water is wastefully or negligently used on the customer's premises, the district may discontinue the service, if such conditions are not corrected within five days after the General Manager gives the customer written notice.METER TESTING

(a) If the recycled water meter fails to register or registers inaccurately, the customer shall be charged with an average daily consumption at the same season shown by the reading of the meter when in use and registering accurately.

(b) A customer may demand the district test the meter and costs shall be charged to the customer in the same manner as for testing a potable water meter.

ARTICLE 3 - PROTECTIVE MEASURES

4-4.301 CROSS-CONNECTION PREVENTION: GENERAL

These regulations are intended to protect the district's potable water supply and are not intended for protection of users from the hazards of cross-connections within their own premises.

The district shall provide backflow prevention devices on the potable water service to the premises. Such devices shall be owned and maintained by the district and located on the premises of the property served and shall not be on the district's portion of the system.

4-4.302 CROSS CONNECTION PREVENTION: WHERE PROTECTION IS REQUIRED

(a) On-site recycled water systems are a separate and controlled non-potable system. Under normal conditions, protective devices will be required on the district's potable water service. Under no circumstances will the district tolerate an actual or potential cross-connection between the district's potable water supply and the customer's on-site non-potable water facilities.

(b) The district will require cross-connection control on the district's potable water supply in all cases and shall review each service on a case-by-case basis. The district will require a backflow prevention device on its potable water supply at its discretion, and specifically:

(i) When recycled water is used on individually owned and controlled premises;

(ii) When the recycled water system has additional pressure and

(iii) When determined this is a risk of cross-connection.

4-4.303 INSPECTION OF PROTECTIVE DEVICES

The district shall inspect backflow prevention devices at least once a year, or more often in those instances where successive inspections indicate repeated failure. All inspections and testing shall be performed by a tester certified by the local health department. These devices shall be repaired, overhauled, or replaced at the expense of the water user whenever they are found to be defective. Records of all such tests, repairs and overhauls shall be maintained by a list and made available to the local health department. Northing contained herein shall relieve a potable water customer from the duty to install and maintain backflow prevention devices under Title 3 of this Code.

4-4.304 MARKING SAFE AND UNSAFE WATER LINES

Where the premises contain dual or multiple water systems and piping, the exposed portions for recycled water pipelines shall be painted, banded or marked at sufficient intervals. All outlets from secondary or other potentially contaminated systems shall be posted as being contaminated and unsafe for drinking purposes.

4-4.305 ON-SITE RECYCLED WATER SUPERVISOR

The district, which in turn will notify the local and State Water Resources Control Board, shall be kept informed of the identity of the person responsible for the water piping on all premises concerned with these regulations. At each premise where it is necessary in the opinion of the regulatory agency and/or the district, a Water Supervisor shall be designated. This Water Supervisor shall be responsible for the installation and the use of pipelines and equipment and for the prevention of cross-connections.

In the event of contamination or pollution of the drinking water system due to a cross-connection on the premises, the local health officer and the district shall be promptly advised by the person responsible for the water system so that appropriate measures may be taken to overcome the contamination or pollution."

INFORMATION ONLY

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Resource Conservation & Public Outreach

Subject: Budget-Based Water Rates: Indoor and Outdoor Water Usage (Pg. 203)

SUMMARY:

The two important components of budget-based rates are: (1) indoor use represented by per capita water use multiplied by the number of residents, and (2) outdoor use that is the amount of irrigation needed by plants to replace water lost due to evapotranspiration (ET). In preparation for rate design by the financial consultant, staff evaluated the sources of data for these components.

Average indoor use of 58.8 gallons per capita per day (gpcd) for District residential customers was determined using two independent estimation methods. For outdoor use (irrigation), staff considered three potential sources of ET data (state CIMIS/RAWS weather stations, LVMWD weather stations, and commercial ET data vendors), and have identified a commercial vendor who can provide ET data of sufficient quality and geographic resolution to support development budget-based rate design and, if implemented, provide reliable daily ET data for budget-based billing.

During rate design, the Board will set policy to determine the appropriate indoor use level (gpcd) as well as the ET factor (i.e., 0.7, or 0.8, etc.) for outdoor use.

FISCAL IMPACT:

No

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

Professional services for development of budget-based water rates are budgeted under Customer Service Administration Account No. 701220.6516.

For consistency between rate design and implementation, it appropriate to use the same source and resolution of ET data. Based on the vendor's estimates, the cost for historical (2010 to current) ET data for all climate microzones (1 sq. km. grids) in the District would be approximately $19,700. The cost of developing the data is within the General Manager's administrative authority to approve.

The cost of "real-time" daily ET data needed should the Board decide to move forward with the implementation of budget-based rates would be about $7,900 per year.

DISCUSSION:

Indoor Use (gallons per capita per day or gpcd)

Staff used two different, independent methods to identify average indoor use; both methods yield similar

results. The first method uses data from a statistically representative subset of District single family residential water meters fitted with very sensitive data loggers. These data are then converted into specific use categories (i.e. washer, toilet, leak, etc.) by a computer program that compares the data logger signals against known appliance / use signals. These data were collected and analyzed for District single family residences as part of the California Single Family Water Use Efficiency Study (Aquacraft, 2011). District indoor use using this method varied from 54.5 to 64.5 gpcd (depending on whether the mean or the median leakage rate was used). Staff then averaged these values, which yielded an average indoor per capita use of 59.9 gpcd for this method.

The second method used to estimate average daily indoor per capita water use was based on the average daily volume of wastewater inflow measured at Tapia WRF for one year (March 2013 - February 2014), after taking into account non-sewage flows such as collection system infiltration (groundwater) and other potential sources of error (i.e. flows from Triunfo Sanitation District customers, Westlake wells supplements). This average daily inflow volume was then divided by the number of sanitation customer ERU's (Equivalent Residential Units) and finally multiplied by average household size per ERU (2.8 persons) from the 2010 US Census tract data. This method yielded an average daily indoor use of 57.5 gpcd.

Averaging the estimates obtained by both methods (i.e. residential data loggers and Tapia WRF inflow analysis) yielded a value of 58.8 gpcd for indoor water use for District residential customers. Exhibit A (attached) shows how this usage compares against other estimates of per capita indoor water use found in state and national guidelines and at two other southern California water districts that have already implemented budget-based rates.

Plant Evapotranspiration (ET) Estimates

Staff evaluated three sources of ET data for potential use in designing and implementing a budget-based billing system. All three sources rely on information from existing weather stations to calculate daily ET, varying only in the actual stations used and the sophistication of their calculations and estimates. The first approach was to determine if daily ET data from the District's existing weather stations at Tapia WRF and the Westlake Filtration Plant were capable of adequately representing residential ET in other locations within the District's service area, either directly or via some form of numerical extrapolation. Unfortunately, both stations proved inadequate for this purpose due to their locally-unique microclimates. The second approach was to evaluate the use of ET data from the California Irrigation Management Information System (CIMIS) and federal Regional Automated Weather System (RAWS) based on CIMIS/RAWS weather stations located closest to our service area. However, no RAWS stations and only two CIMIS stations are located within the LVMWD residential service area, and neither CIMIS station covers the majority of District customers located west of the Calabasas grade. Weather west of the Calabasas grade is very different from locations east of the grade in terms of ET, based on the results of an earlier District study of plant ET using temporary weather stations located in both areas.

In theory, it would be possible to model daily plant ET throughout the District using a combination of CIMIS and RAWS data extrapolated to each of the district's climate microzones with weather data available from NWS/NOAA weather satellites. In practice, staff has located only two commercial vendors who provide this service, only one of which (Hydro-Zone, Inc.) has been responsive to staff requests for detailed information necessary to vet this approach for budget-based rates.

GOALS:

Provide Safe and Quality Water with Reliable Services

GOAL DESCRIPTION:

Support of work towards more efficient water use and reliability of supply.

Prepared By: Randal Orton, Resource Conservation Manager

ATTACHMENTS:

Exhibit A - Indoor Use Comparisons

Exhibit A: Indoor Use Guidelines and Estimates Comparisons. All values in gallons per capita per day (GPCD)		
State & National Guidelines		
California indoor use target (SBX 7-7, 2009 - "20% by 2020")		55
US EPA Water Conservation Plan Guidelines (1998)	With water-conserving fixtures and appliances	64.6
	Without conservation fixtures and appliances	44.7
National Studies		
New single family homes (Aquacraft, 2011)	Standard new homes built after 2001	44.2
	Homes built to EPA WaterSense specifications	35.6
Single family homes 46 years or older in Tampa, EBMUD and Seattle (Aquacraft, 2005)	With water-conserving fixtures and appliances	39.6
	Without conservation fixtures and appliances	64.8
North American Residential End Uses of Water (Aquacraft, 1999)	North American mean less 9.5 gpcd mean leakage	59.8
	North American median less 2.7 gpcd median leakage	57.8
State Studies		
California Single Family Water Use Efficiency Study (Aquacraft, 2011)	Households with efficient appliances & no leaks over 100 gpd.	45.2
	Households with efficient appliances & no leaks over 20 gpd.	43.7
	Mean indoor use for all households excluding 10.5 gpcd mean leakage	49
	Median indoor use for all households excluding 3.9 gpcd median leakage	49.5
LVMWD Studies		
Tapia Inflow Study (March 2013 - February 2014)	One year of metered sewage inflows (less non-sewage sources, TSD inflows, well supplement) divided by sewer customer equivalent residential units (ERU's) multiplied by average household size of 2.8 persons per ERU.	57.5
California Single Family Water Use Efficiency Study (Aquacraft, 2011)	Meter data loggers and flow analysis software - LVMWD mean excluding 16.25 gpcd mean leakage	64.5
	Meter data loggers and flow analysis software - LVMWD median excluding 8.8 gpcd median leakage	54.5
		Average of LVMWD studies: 58.8
Other water districts with budget-based rates	Irvine Ranch Water District	50
	Western Municipal Water District	60

INFORMATION ONLY

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Adopted Financial Policies: Response to Questions (Pg. 206)

SUMMARY:

The District's Financial Policies are reviewed and adopted by the Board as part of each fiscal year's budget process. During its review of the Financial Policies in April 2014, the Board inquired as to the definition of "reliable revenue sources" and the usage of the Emergency/Insurance Fund.

The Fiscal Year 2014-15 Finance & Administration Department Work Plan includes completing a comprehensive review of the District's financial reserves and policies. Staff had originally contemplated addressing these questions as part of that process in fall 2014. However, the current work plan envisions Board review of the District's Financial Policies in spring 2015 as part of the budget process.

Therefore, the Board is provided with responses to the questions raised in April 2014 in this report.

FISCAL IMPACT:

No

ITEM BUDGETED:

Yes

DISCUSSION:

On April 21, 2014, the Board reviewed the District's Financial Policies as part of its budget workshop. At that meeting, the Board inquired about the definition of the term "reliable revenue source" and past uses of the District's Emergency/Insurance Fund.

Reliable Revenue Source

The District's Financial Policy No. 4, Financing Alternatives, states that "The Board has determined that debt service should not exceed 15% percent of reliable revenue sources." A reliable revenue source is one that the District can reasonably expect to receive. The only reliable revenue sources the District has is customer rates paid for potable water, recycled water and sanitation services. For budget planning purposes, the District utilizes a rolling three-year average and adjusts it based on any know factors. For example, an downward adjustment would be appropriate to account for lower sales due to drought restrictions.

Use of Emergency/Insurance Fund

Financial Policy No. 10, Emergency/Insurance Fund, requires a 2% reserve of total capital assets to be maintained to cover deductibles, self-insurance retentions, and claims not covered by insurance. It has been the District's practice to pay these amounts out of operating revenue. In Fiscal Year 2012-13, the amount of reserves required by the policy was $3,253,845. The amount of claims eligible for payment under

this policy in FY 2012-13 was 1,861.56. In Fiscal Year 2013-14, the amount of claims eligible for payment out of this fund was $52,985. Due to the size of the payments, the District chose to pay these amounts out of operating revenue in lieu of using the reserve fund.

Review of Financial Policies

Staff will be undertaking a review of the District's Financial Policies during this fiscal year and as part of the Cost of Service analysis associated with the Rate Study. This review will include the development of recommendations for the Board to consider on how to best utilize its various reserves and working capital funds. Staff anticipates bringing forward a comprehensive discussion of the District's financial reserves during early winter 2015 and additional proposed changes to the District's Financial Policies as part of the Fiscal Year 2015-16 budget workshop in early 2015.

GOALS:

Ensure Effective Utilization of the Public's Assets and Money

Prepared By: Donald Patterson, Director of Finance and Administration

INFORMATION ONLY

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: 8-Inch Sludge Force Main Failure: Completion of Work (Pg. 208)

SUMMARY:

On September 23, 2014, the Board declared the failure of the 8-inch sludge force main on September 11, 2014 an emergency and authorized the General Manager to procure goods and services necessary to respond to the emergency in an amount not to exceed $75,000.

As of September 30, 2014, all necessary repairs and clean-up work has been completed and the declaration of an emergency is no longer necessary. The total cost of the work was $26,151.52, which is substantially less than originally estimated.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

A total of $26,151.52 was spent on the response and clean-up as follows:

Staff overtime	$ 6,414.02
National Plant Services	$ 4,180.00
Toro Constructors	$11,926.00
Total Barricade	$ 1,765.50
Litten	$ 1,866.00

Sufficient funds are available for this work in the adopted JPA Fiscal Year 2014-15 Budget.

GOALS:

Construct, Manage and Maintain All Facilities and Provide Services to Assure System Reliability and Environmental Compatibility

Prepared By: David Lippman, Director of Facilities and Operations

ITEM 11C

INFORMATION ONLY

October 14, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Supply and Delivery of Aluminum Sulfate: Award of Bid (Pg. 209)

SUMMARY:

On August 26, 2014, the Board approved a Request for Bids for the supply and delivery of aluminum sulfate to the Tapia Water Reclamation Facility. Prior to receiving bid, the annual expense for the product was expected to be approximately $25,000, based on historical usage and then-current costs. Upon opening of bids, the annual expense for the product is expected to be significantly less, approximately $15,000.

Because the low-bid was less than $25,000, the General Manager awarded a one-year contract to the low-bidder, Chemtrade Chemicals U.S., in the amount of $16,277, with four one-year renewal options. The contract amount includes a contingency to account for fluctuations in usage of the chemical.

The Request for Bids and bid documents were posted on the District's website, and notification of the posting was sent to seven suppliers; two bids were received. Two additional suppliers responded with a no bid; one stated their supplier was our current supplier. Following is a summary of bids received.

Bidder Name	Price Per Gallon	Total Bid
ChemTrade Chemicals U.S.	$ 0.729	$14,798.70
Thatcher Company of CA	$1.0548	$21,412.44

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The total estimated annual cost to the District for aluminum sulfate is $14,798.70, based on previous year usage and current bid pricing. Sufficient funds are available for the purchase of aluminum sulfate in the adopted Fiscal Year 2014-15 Budget and will be proposed in future year budgets.

GOALS:

Ensure Effective Utilization of the Public's Assets and Money

Prepared By: Gretchen Bullock, Buyer

ATTACHMENTS:

Aluminum Sulfate Bid

Las Virgenes Municipal Water District
Bid Form-Schedule
Aluminum Sulfate

The undersigned states and declares as follows: that the bidder has carefully read and examined the Bid Documents; Bid Notice; Instruction to Bidders; Bid Specifications including exhibits; Bid Form-Schedule; and that the bidder will comply with the bid terms and conditions. The undersigned agrees to supply and deliver materials in strict conformity with the specifications and instructions enclosed with the invitation for Bids for the prices set forth below in this bid schedule.

It is understood that this bid shall remain open and shall not be withdrawn for a period of ninety (90) days from the date prescribed for the opening of the bid.

It is further agreed that the materials/services to be furnished under this bid shall be delivered at such time and in such quantities as called for by the Las Virgenes Municipal Water District. The District may extend the term of this contract by written notice to the supplier at the end of the contract period.

CONTRACT TERM as follows: Initial contract term shall be good for one (1) year from date of contract execution. Four (4) additional one (1) year renewals may be negotiated at the District's option.

Materials to be furnished under this bid shall be delivered FOB Destination Freight Pre-Paid and Allowed to Las Virgenes Municipal Water District's Tapia Water Reclamation Facility, 731 Malibu Canyon Road, Calabasas, CA 91302 in the manner set forth in the Bid Scope and Specifications.

All bidders are required to submit the following information with their bid

- Completed Bid Form-Schedule *(2 pages)*
- Current contact information for three customers bidder is currently supplying with Aluminum Sulfate
- Product information/technical data sheet
- Global Harmonized System-Safety Data Sheet (GHS-SDS)

The bidder's authorized officer identified below hereby declares that the representations in this bid are true and correct and of my own personal knowledge, and that these representations are made under penalty of perjury under the laws of the State of California, and that I am duly authorized to bind this bidder to this bid.

>>>continued on next page<<<

Bid Item No.	Quantity	Unit of Measure UOM	Description	Unit Price	Extended Price
1.	20,300	gallon	Aluminum Sulfate	$0.729/GAL	$14,798.70
			Refer to Bid Scope & Specifications for detailed description		
List unit price for Dry Ton Conversion-->				$270.00/TND	
			Total Bid	**$**	

Written Total Bid Amount:

FOURTEEN THOUSAND, SEVEN HUNDRED NINETY-EIGHT DOLLARS AND SEVENTY CENTS.

Notes or Exceptions:

NONE

Addendum Acknowledgement: NONE RECEIVED

Addendum #1 ☐ Signed: Elizabeth Ryno
ELIZABETH RYNO

Bidder:

CHEMTRADE CHEMICALS US LLC
Corporate Name of Bidder

SEPTEMBER 4, 2014
Date

By: Elizabeth Ryno
Authorized Signature

Title: MARKETING SPECIALIST

ELIZABETH RYNO
Print Name

bids@chemtradelogistics.com
E-mail

800 631 8050
Phone

90 EAST HALSEY ROAD
PARSIPPANY, NJ 07054
Address

973 515 4461
Fax

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MWD MEETING AGENDA

Board Meeting
Meeting with Board of Directors

October 14, 2014

12:00 p.m. -- Board Room

MWD Headquarters Building	700 N. Alameda Street	Los Angeles, CA 90012

1. **Call to Order**

(a) Invocation: Arturo Castro, Principal Auditor, Audit Department

(b) Pledge of Allegiance: Director Glen Dake

2. **Roll Call**

3. **Determination of a Quorum**

4. **Opportunity for members of the public to address the Board on matters within the Board's jurisdiction. (As required by Gov. Code § 54954.3(a))**

5. **OTHER MATTERS**

A. Approval of the Minutes of the Meeting for September 9, 2014. (A copy has been mailed to each Director) Any additions, corrections, or omissions

B. Report on Directors' events attended at Metropolitan expense for month of September

C. Induction of new Director, Don Calkins, from city of Anaheim

(a) Receive credentials

(b) Report on credentials by General Counsel

(c) File credentials

(d) Administer Oath of Office

(e) File Oath

D. Induction of new Director, Larry McKenney, from Municipal Water District of Orange County

(a) Receive credentials

(b) Report on credentials by General Counsel

(c) File credentials

(d) Administer Oath of Office

(e) File Oath

E. Approve committee assignments

F. Chairman's Monthly Activity Report

ITEM 12A

6. DEPARTMENT HEADS' REPORTS

A. General Manager's summary of Metropolitan's activities for the month of September

B. General Counsel's summary of Legal Department activities for the month of September

6B Report

C. General Auditor's summary of activities for the month of September

6C Report

D. Ethics Officer's summary of activities for the month of September

7. CONSENT CALENDAR ITEMS — ACTION

7-1 Appropriate $700,000; and authorize two rehabilitation projects at the F. E. Weymouth Water Treatment Plant (Approp. 15477). (E&O)

7-1 Board Letter and Attachments

7-2 Appropriate $960,000; and authorize three rehabilitation projects at Lake Skinner and the Robert A. Skinner Water Treatment Plant (Approp. 15485). (E&O)

7-2 Board Letter and Attachments

7-3 Appropriate $1.15 million; and award $783,333 contract to Malibu Pacific Tennis Courts, Inc. to replace equipment storage buildings at Gene Pumping Plant (Approp. 15438). (E&O)

7-3 Board Letter and Attachments

(END OF CONSENT CALENDAR)

8. OTHER BOARD ITEMS — ACTION

8-1 Appropriate $3.81 million; and award $2,565,063 contract to Hobbs-Bannerman, Inc. for improvements to the industrial wastewater handling system at the Henry J. Mills Water Treatment Plant (Approp. 15452). (E&O)

8-1 Board Letter and Attachments

8-2 Appropriate $3.06 million; and authorize final design to rehabilitate the sump systems at each Colorado River Aqueduct pumping plant (Approp. 15438). (E&O)

8-2 Board Letter and Attachments

8-3 Authorize amendment to agreement with California Department of Water Resources to purchase surface water supplies from Yuba County Water Agency; and appropriate up to $20 million for water transfer payments from the Water Management Fund. (WP&S)

8-3 Board Letter and Attachment

8-4 Authorize refinements to the Local Resources Program. (WP&S)

8-4 Board Letter and Attachments

8-5 Authorize water supply exchange agreement and amend the Coordinated Operating Agreement with San Bernardino Valley Municipal Water District. (WP&S)

8-5 Board Letter

8-6 Appropriate $6.04 million; award $3,555,971.27 procurement contract to CDW Corporation for communication network hardware; and authorize three projects to upgrade Metropolitan's communication network (Approp. 15487). (OP&T) (To be mailed separately)

8-7 Authorize the General Manager to execute the Fifth Amendment to the District-Edison Service and Interchange Agreement. (E&O)

8-7 Board Letter

8-8 Appropriate $2.3 million; and award $1,465,000 contract to Kiewit Infrastructure West Co. for seismic upgrades to the east washwater tank at the F. E. Weymouth Water Treatment Plant (Approp. 15369). (E&O)

8-8 Board Letter and Attachments

8-9 Report on Alameda County Water District, et al. v. Sacramento Regional County Sanitation District, Sacramento County Superior Court Case No. 05CS00913; and authorize final settlement. (L&C) [Conference with legal counsel-existing litigation; to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(1)]

9. BOARD INFORMATION ITEMS

9-1 Compliance with Fund Requirements and Bond Indenture Provisions. (F&I)

9-1 Board Letter

10. FUTURE AGENDA ITEMS

11. BOARD INFORMATION ITEMS (Contd.)

a. Discussion of General Manager's performance goals and objectives. (No action to be taken)

b. Discussion of General Counsel's performance goals and objectives. (No action to be taken)

c. Discussion of General Auditor's performance goals and objectives. (No action to be taken)

d. Discussion of Ethics Officer's performance goals and objectives. (No action to be taken)

12. ADJOURNMENT

NOTE: At the discretion of the committee, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the committee.

This committee reviews items and makes a recommendation for final action to the full Board of Directors. Final action will be taken by the Board of Directors. Agendas for the meeting of the Board of Directors may be obtained from the Board Executive Secretary. This committee will not take any final action that is binding on the Board, even when a quorum of the Board is present.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site http://www.mwdh2o.com.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.