

**LAS VIRGENES - TRIUNFO
JOINT POWERS AUTHORITY
AGENDA**

CLOSING TIME FOR AGENDA IS 8:30 A.M. ON THE TUESDAY PRECEDING THE MEETING. GOVERNMENT CODE SECTION 54954.2 PROHIBITS TAKING ACTION ON ITEMS NOT ON POSTED AGENDA UNLESS AN EMERGENCY, AS DEFINED IN GOVERNMENT CODE SECTION 54956.5 EXISTS OR UNLESS OTHER REQUIREMENTS OF GOVERNMENT CODE SECTION 54954.2(B) ARE MET.

5:00 PM

February 7, 2011

PLEDGE OF ALLEGIANCE

1. CALL TO ORDER AND ROLL CALL

- A** The meeting was called to order at _____ p.m. by _____ in the Las Virgenes Municipal Water District office and the Clerk of the Board called the roll.

<u>Triunfo Sanitation District</u>	<u>Present</u>	<u>Left</u>	<u>Absent</u>
Steven Iceland	_____	_____	_____
Michael McReynolds	_____	_____	_____
Janna Orkney	_____	_____	_____
Michael Paule	_____	_____	_____
James Wall	_____	_____	_____
<u>Las Virgenes Municipal Water District</u>			
Joseph Bowman	_____	_____	_____
Charles Caspary	_____	_____	_____
Glen Peterson	_____	_____	_____
Lee Renger	_____	_____	_____
Barry Steinhardt	_____	_____	_____

2. CHAIR/VICE CHAIR

A Appointment of JPA Chair and Vice Chair

Triunfo Sanitation District Director, Michael Paule as Chair, and Las Virgenes Municipal Water District Director, Lee Renger as Vice Chair of the Las Virgenes - Triunfo Joint Powers Authority for calendar year 2011.

3. APPROVAL OF AGENDA

- A** Moved by _____, seconded by _____, and _____, that the agenda for the February 7, 2011 meeting be approved as presented/amended.

4. 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

5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Agromin Presentation -- Bill Camarillo

6. CONSENT CALENDAR

A Minutes: Regular meetings of December 6, 2010 and January 3, 2011, Special meeting of January 24, 2011. Approve

7. ACTION ITEMS

A Tapia Water Reclamation Facility: Alternative Disinfection Study

Provide staff direction on which of the two alternative disinfection options, modified chlorination or a hybrid of modified chlorination and ultra-violet will be implemented, and direct staff to issue an RFP for CEQA and design of the preferred option.

B Tapia Water Reclamation Facility Process Air Evaluation: Award

Approve the proposal from Carollo Engineers, Inc. to provide the Tapia WRF Process Air Evaluation for the amount of \$83,127.00.

C Woodland Hills Country Club Recycled Water Extension

Provide staff direction related to the JPA's participation in the Woodland Hills Country Club Recycled Water Extension.

D Budget Calendar for FY 11-12

Discuss budget concerns with staff.

8. BOARD COMMENTS

9. FUTURE AGENDA ITEMS

10. INFORMATION ITEMS

A Watershed-wide Monitoring Program

B Joint Powers Authority Second Quarter Financial Report and Spotlight on Joint Powers Authority

Receive and file.

11. CLOSED SESSION

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

1. LVMWD vs. Onsite Power Systems, Inc.

12. ADJOURNMENT

February 7, 2011 JPA Board Meeting

TO: JPA Board of Directors

FROM: General Manager

Subject: Appointment of JPA Chair and Vice Chair

SUMMARY:

The Joint Powers Authority, Joint Exercise of Powers Agreement, Section 4, states "The Chairs of the two (2) parties' governing boards will alternate annually as Chair and Vice Chair, respectively, of the meetings." Based on this provision the Chair of the JPA for calendar year 2011 shall be the Chair of the Triunfo Sanitation District Board, and the Vice Chair of the JPA shall be the Chair of the Las Virgenes Municipal Water District Board.

No action by the JPA Board is necessary other than the respective Chairs of the parties shall assume their role on the JPA Board at this meeting.

RECOMMENDATION(S):

Triunfo Sanitation District Director, Michael Paule as Chair, and Las Virgenes Municipal Water District Director, Lee Renger as Vice Chair of the Las Virgenes - Triunfo Joint Powers Authority for calendar year 2011.

FINANCIAL IMPACT:

None.

Prepared By: Kimmey Conklin, Executive Assistant/Clerk of the Board

**LAS VIRGENES - TRIUNFO
JOINT POWERS AUTHORITY
MINUTES**

5:00 PM

December 6, 2010

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to the Flag was given by Director Iceland.

1. CALL TO ORDER AND ROLL CALL

A Call to order and roll call.

The meeting was called to order at 5:00 p.m. by Chair Caspary in the District offices. Deputy Clerk called the roll. Those answering present were Directors Iceland, McReynolds, Orkney, Paule, Wall, Caspary, Peterson, Renger and Smith. Director absent: Bowman.

2. APPROVAL OF AGENDA

A Approval of Agenda.

On a motion by Director Michael Paule, seconded by Director Lee Renger, the Board of Directors voted 9-0 -1 to Approve the agenda for the Regular meeting of December 6, 2010 as presented.

AYES: Director(s) Caspary , Iceland , McReynolds , Orkney , Paule , Peterson , Renger , Smith , Wall

ABSENT: Director(s) Bowman

3. PUBLIC COMMENTS

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No speaker cards were received from the public. Administering Agent/General Manager Mundy welcomed the new Board of Directors, Triunfo Sanitation District staff, and introduced Las Virgenes staff to the board. Chair Caspary also welcomed the new Board and mentioned that the LVMWD Board of Director elect, Barry Steinhardt was in the audience.

4. CONSENT CALENDAR

A Minutes: Regular meetings of October 4, 2010 and November 1, 2010. **Approve**

On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 7-2 -1 to Approve the Consent Calendar 5A as presented. Legal Counsel Mathews explained that Director Iceland was in attendance at the meetings, and that Wall and McReynolds should abstain from voting on the minutes.

AYES: Director(s) Caspary , Iceland , Orkney , Paule , Peterson , Renger , Smith
NOES: Director(s) McReynolds , Wall
ABSENT: Director(s) Bowman

5. ACTION ITEMS

A LAS VIRGENES-TRUINFO JOINT POWERS AUTHORITY FINANCIAL STATEMENTS AND INDEPENDENT AUDITORS' REPORT FOR JUNE 30, 2010

Accept the financial statements and the audit.

On a motion by Director Janna Orkney, seconded by Director Michael Paule, the Board of Directors voted 9-0 -1 to Approve the recommendation as presented.

Director of Finance & Administration Hicks gave an overview of the Financial Statments and introduced Mr. Patel of Diehl, Evans who then made a presentation on the Auditor's report.

AYES: Director(s) Caspary , Iceland , McReynolds , Orkney , Paule , Peterson , Renger , Smith , Wall

ABSENT: Director(s) Bowman

B JPA Minutes Approval Process

The JPA Board to discuss and provide direction to the Administering Agent/General Manager with regard to processing JPA meeting minutes for approval.

Administering Agent/General Manager Mundy explained the current procedure of minutes preparation and approval timing. He proposed that the minutes would be placed on the next scheduled meeting agenda for approval. The JPA board discussed the minutes process and agreed that the minutes should be e-mailed to the Directors when they have been completed, then placed on the agenda for the next meeting.

C Future Regular Board Meeting Dates and Locations

Direct the Administering Agent/General Manager as to whether the Regular Meeting of January 3, 2011 (Oak Park) shall have a quorum, or if the meeting is to be canceled or rescheduled.

It was discussed and decided the January 3, 2011 Regular meeting will be cancelled and a Special Meeting will be called for 4:00 p.m. Monday, January 24, 2011 at the Oak Park Library. This meeting will be used to discuss the Tapia WRF Alternative Disinfection RFP.

D Centrate Treatment System Stand-by Power Upgrade

Appropriate \$52,000 (includes \$5,000 JPA labor cost) to CP work order Centrate Treatment System Stand-by Power Upgrade project; authorize the Administrative Agent/General Manager to Issue a Purchase Order for Rancho Farm Centrate Generator Modification Project to Taft Electric Company in the amount of \$46,921.00.

On a motion by Director Lee Renger, seconded by Director Steven Iceland, the Board of Directors voted 9-0 -1 to Approve the recommendations as presented.

AYES: Director(s) Caspary , Iceland , McReynolds , Orkney , Paule , Peterson , Renger , Smith , Wall

ABSENT: Director(s) Bowman

E Tapia WRF Alternative Disinfection Study: Award

Approve the proposal from Montgomery Watson Harza (MWH) to provide the Tapia WRF

Alternative Disinfection Study and perform bench scale testing in an amount of \$108,718.00. Appropriate funds in the amount of \$60,000.00 to Job No. 10457 to account for the cost of the study and optional bench scale testing.

On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 9-0 -1 to Approve the recommendations as presented. Director of Facilities & Operations Lippman gave the Board a background of the project and the regulatory milestones.

AYES: Director(s) Caspary , Iceland , McReynolds , Orkney , Paule , Peterson , Renger , Smith , Wall

ABSENT: Director(s) Bowman

6. BOARD COMMENTS

Director Orkney welcomed the new board members and complimented LVMWD staff for the JPA sign posted in front of the building. Director Paule mentioned the upcoming CASA winter conference and if any new board members have the opportunity to go. Ventura Regional Sanitation District is making a presentation at the conference. Chair Caspary also welcomed the new board members, and thanked Director Smith for his work on the JPA board.

7. FUTURE AGENDA ITEMS

Vice Chair Paule mentioned to add a Compost Facility cost agenda item in the future, and the fuel cell settlement update. Director Wall stated that he would like to tour Rancho LV Composting Facility. Director Orkney mentioned the upcoming quarterly tour of the plant in January 2011. Director McReynolds requested a rates agenda item. Chair Caspary recommended the rates discussion can be included in the budget process. Director Renger would like to discuss Solar Energy.

8. INFORMATION ITEMS

A 24" Recycled Water (REW) Pipeline from Tapia State Park to Mulholland Hwy. - Final Acceptance

B California Form 700 - Statement of Economic Interests

Administering Agent/General Manager Mundy stated this item was included to inform new Board members of the requirement to file a Statement of Economic Interest. Josie Guzman Clerk for TSD has coordinated the filing. The Assuming and Leaving Office Form 700's are due in our office by December 20, 2010.

C Status of Cogeneration Project at Rancho Las Virgenes

9. CLOSED SESSION

None.

10. ADJOURNMENT

The Chair declared the meeting adjourned at 6:34 p.m.

Michael Paule, Chair

ATTEST:

Lee Renger, Vice Chair

**LAS VIRGENES - TRIUNFO
JOINT POWERS AUTHORITY
MINUTES**

5:00 PM

January 3, 2011

PLEDGE OF ALLEGIANCE

1. **CALL TO ORDER AND ROLL CALL**

2. **APPROVAL OF AGENDA**

A CANCELLATION NOTICE: JPA REGULAR MEETING 1/3/2011

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. **BOARD COMMENTS**

5. **FUTURE AGENDA ITEMS**

6. **INFORMATION ITEMS**

7. **CLOSED SESSION**

8. **ADJOURNMENT**

Michael Paule, Chair

ATTEST:

Lee Renger, Vice Chair

MINUTES OF A SPECIAL MEETING OF THE
LAS VIRGENES-TRIUNFO JOINT POWERS AUTHORITY
HELD ON JANUARY 24, 2011

1 The Las Virgenes-Triunfo Joint Powers Authority met in a Special Meeting at Oak Park Library, 899 North Kanan Road, California, 91377 at 4:00 p.m. on Monday, January 24, 2011.

Chair Renger called the meeting to order at 4:00 p.m. The Pledge of Allegiance to the flag was given, led by Chair Renger.

Deputy Clerk of the Board called the roll. Directors present were: Iceland, McReynolds, Paule, Wall, Caspary, Peterson, Renger and Steinhardt. Absent: Orkney. The Chair declared a quorum present.

Director Bowman arrived a 4:05 p.m.

No speaker cards were received from the public.

2 Tapia WRF Alternative Disinfection -- Administering Agent/General Manager Mundy gave an overview and stated that a work plan that demonstrates how the JPA will comply with its Total Trihalomethanes requirements is due to the Regional Water Quality Control Board on February 2, 2011. Mr. Mundy introduced Roger Stephenson and Sarah Munger from Montgomery Watson Harza. Mr. Stephenson gave a presentation on the four disinfection alternatives that would meet compliance of the NPDES permit.

On a motion by Director Peterson, seconded by Director Iceland, the Joint Powers Authority board voted 9-0-1 to approve staff submitting a workplan to the RWQCB by February 2, 2011 informing them of the JPA's intent to implement either the Hybrid Option or a Modified Chlorination system to meet disinfection by-products reduction as required by the Tapia NPDES Permit.

Staff will bring back more information and respond to questions at the next meeting on February 7, 2011 in preparation for selection of the final disinfection alternative.

3 The Chair declared the meeting adjourned at the hour of 5:05 p.m.

Michael Paule, Chair

ATTEST:

Lee Renger, Vice Chair

February 7, 2011 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Tapia Water Reclamation Facility: Alternative Disinfection Study

SUMMARY:

At the January 24, 2011 special meeting, the JPA considered the technical memorandum prepared by MWH related to alternative disinfection options.

The memorandum concluded that either modified chlorination or a hybrid system combining ultra-violet disinfection and modified chlorination were the two viable options.

Further discussion and direction is required to select one of the two options for implementation.

RECOMMENDATION(S):

Provide staff direction on which of the two alternative disinfection options, modified chlorination or a hybrid of modified chlorination and ultra-violet will be implemented, and direct staff to issue an RFP for CEQA and design of the preferred option.

FINANCIAL IMPACT:

None at this time.

Prepared By: David R. Lippman, Director of Facilities & Operations

February 7, 2011 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Tapia Water Reclamation Facility Process Air Evaluation: Award

SUMMARY:

One of the capital improvement projects included as a part of the 2010-11 JPA budget is for the Tapia WRF Process Air Evaluation. Process air at the Tapia WRF is used to support the biological processes, to provide mixing in the basins and channels and to provide scouring air for filter backwashing. Currently there are six blowers at the Tapia WRF which are used to provide process air. Three Roots 900 HP centrifugal blowers (22,500 cfm) provide process air during periods of high demand; typically only one Roots blower is in operation. There are also three Hoffman 250 HP centrifugal blowers (4,500 cfm) which provide process air during low demand periods and supplement the Roots blower. Typically two Hoffman blowers are operating when a Roots blower is not, and one Hoffman blower is periodically used to supplement the Roots blower.

To assure that the process air is used efficiently and economically, an RFP was developed to obtain a consultant to evaluate existing air demand at the Tapia WRF and recommend potential improvements in its production, usage and delivery. The scope of work includes, a review of existing air demand and uses; recommendations for improvements to reduce air usage; recommendations on how to make the use of process air more efficient throughout the facility; reasoning and recommendations for blower modifications or the replacement of existing blowers with more efficient blowers; a cost/benefit analysis for each of the recommendations; identifying potential funding/savings (such as SCE rebates) for the recommended improvements.

An RFP was approved by the JPA Board of Directors at the October 4, 2010, meeting. Six proposals were solicited from consultants and five were received. District staff evaluated the proposals and recommends the selection of Carollo Engineers, Inc. to provide the Tapia WRF Process Air Evaluation. Carollo's proposed fee for the study is \$83,127.00.

RECOMMENDATION(S):

Approve the proposal from Carollo Engineers, Inc. to provide the Tapia WRF Process Air Evaluation for the amount of \$83,127.00.

FINANCIAL IMPACT:

The FY 2010-11 budget provides funding in the amount of \$156,000.00 for this study under CIP Job No. 10452, Tapia Process Air Evaluation. Each JPA partner is allocated with a cost split of 70.6% for LVMWD and 29.4% for Triunfo.

DISCUSSION:

The costs for the five proposals received were as follows:

AECOM- \$53,987.00 Black & Veatch- \$74,908.00 Carollo- \$83,127.00 MWH- \$95,700.00 Dudek- \$138,920.00

The proposals from AECOM and Dudek veered from the requested scope of work in the RFP and incorporated process modifications to centrate treatment and treatment processes at the Tapia WRF. Because of this, these proposals were not fully responsive to the RFP. The proposal from Black & Veatch focused on the potential for blower replacement and did not look at potential modifications to the existing blowers or ways to increase the efficiency of air usage at Tapia. The proposals from MWH and Carollo adequately addressed the RFP. Both MWH and Carollo offer qualified staff to address the RFP. Carollo is

the recommended consultant due to a lower cost and additional efforts to find potential funding for this project.

Prepared By: Brett Dingman, Reclamation Manager

February 7, 2011 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Woodland Hills Country Club Recycled Water Extension

SUMMARY:

At the January 11, 2011 Las Virgenes Municipal Water District Board meeting, the attached staff report was presented to the Board. The report describes the possibility of a recycled water extension into the City of Los Angeles, in particular to the Woodland Hills Country Club. The Board directed staff to start developing the framework for a wholesale and capital agreement with the City, finalize the design report being prepared by AECOM and present the project to Triunfo Sanitation District at the next JPA meeting.

RECOMMENDATION(S):

Provide staff direction related to the JPA's participation in the Woodland Hills Country Club Recycled Water Extension.

FINANCIAL IMPACT:

The cost of \$23,642 would become a JPA expense item. While developing the agreements there would be staff time charged to a JPA account.

DISCUSSION:

At the January 11, 2011 Las Virgenes Municipal Water District Board meeting the attached staff report was presented to the Board. The report describes the possibility of a recycled water extension into the City of Los Angeles, in particular the Woodland Hills Country Club.

The short-term annual demand is 300 acre-feet and future long-term annual demand could be upwards of 1,000 acre-feet. The concept is that facilities within the Las Virgenes MWD service area would be owned and operated by either Las Virgenes or the JPA and facilities within the City's service area would be owned and operated by the City. Wholesale recycled water would be sold to the City for them to sell to their retail customers. The JPA agreement provides for either party to participate or decline in the extension of recycled water facilities. If this project moves forward and Triunfo Sanitation District chooses not to participate, they would be entitled to 29.7% of the JPA wholesale revenue generated from sale of the water to Las Virgenes. If they choose to participate, then they would be entitled to 29.7% of the wholesale revenue generated from the sale of recycled water to the City.

Las Virgenes authorized AECOM to prepare a design report identifying the necessary facilities needed to provide service to the Woodland Hills Country Club for \$23,642. Currently this expense is not a JPA expense.

Prepared By: David R. Lippman, Director of Facilities & Operations

ATTACHMENTS:

[Report](#)

Woodland Hills Country Club Recycled Water Extension

January 11, 2011 Staff Report

Summary

In May 2008, the City of Los Angeles adopted a water supply strategic plan "Securing LA's Future Water Supply."¹ The premise of this Water Supply Plan is that the City will meet all new demands for water, about 100,000 acre-feet per year (AFY), through a combination of water conservation and water recycling. By the year 2030, half of all new demand will be filled by a six-fold increase in recycled water supplies and the other half will be met through ramped-up conservation efforts. The plan has several proposed actions, including the increase of recycled water for irrigation and industrial use and the use of recycled water for groundwater replenishment. The current City water recycling capital budget provides for funding to increase recycled water deliveries from 4,500 AFY to 19,350 AFY by 2014. The plan also recommends that the City revisit the concept of providing advanced treated recycled water from their Tillman Plant to the Hansen Spreading Grounds for groundwater replenishment. This concept was successfully implemented by Orange County. The City is currently preparing a Recycled Water Master Plan to reach the goal of 50,000 acre-feet per year of recycled water use by 2030.

There are both short-term and long-term opportunities for the District to partner with the City in the expansion and reuse of recycled water. Staff has met several times with City staff to discuss these opportunities. The main focus of the discussion has been on short-term opportunities and the potential of long-term opportunities. These partnerships will help in achieving the District's goals of maximizing beneficial reuse, offsetting regional imported water, reducing greenhouse gas emissions and reducing discharge.

The first short-term opportunity is the potential to extend the recycled water system into the City to the Woodland Hills Country Club, generating an annual demand of 300 AF. Long-term, the system could be expanded to include more customers allowing the City to send more advanced treated recycled water from Tillman to the spreading grounds. If in the long-term, the system was expanded to include areas such as Warner Center and Pierce College, approximately 1,000 acre-feet of annual demand would be generated. (This amount of demand added to the existing and future demand within the District's service area supports the need for a recycled water storage reservoir.)

Woodland Hills Country Club Extension

The extension of the recycled water system to the Woodland Hills Country Club has been considered in the District's 2005 Tapia Alternative Study and the 2007 Recycled Water Master Plan. The Woodland Hills Country Club is located on Dumetz Road in Woodland Hills. It is a privately owned, 72 acre property with an 18-hole golf course and club house with an annual irrigation demand of 230 acre-feet. Along the pipeline route several other potential customers will add another 71 acre-feet of annual demand. A smaller distribution pipeline could be included that would provide service to Alice C. Stelle Middle School. To meet peaking flows, to assure minimal pressure drops to existing customers and provide for future demands, a 20-inch pipeline extension is necessary. The extension would total 4.5 miles in length, one mile within the District's service area and 3.5 miles within the City. The estimated project cost for this extension is \$8.7 million. The cost for the extension within the District's service area is \$1.9 million. The attached map provides details of the extension.

¹ <http://www.ladwp.com/ladwp/cms/ladwp010588.jsp>

Woodland Hills Country Club Recycled Water Extension

January 11, 2011 Staff Report

Conceptually, the District would be responsible to fund and construct the pipeline within its service area and the City responsible to fund and construct the pipeline within their service area. The District would sell wholesale recycled water at the boundary line to the City. The wholesale rate could either be tied to the cost of MWD Tier 1 water or contain the cost to purchase JPA wholesale recycled water plus a capital recovery component and a potable water supplement component. Early estimates of a wholesale rate range from \$576 per acre foot to \$790 per acre foot. Care needs to be taken so that the recycled water wholesale rate does not exceed potable water wholesale costs making it unattractive. Attached is a worksheet showing the details of potential wholesale rates and for comparison existing LVMWD recycled water retail rates.

At the last meeting with City staff, they were open to further discussion regarding the wholesale cost and developing an agreement for the purchase of recycled water. The City also asked if the District would be interested in managing the whole project including CEQA, permitting, design and construction. Administrative costs would be reimbursed by the City.

The JPA agreement provides for either party to participate or decline in the extension of recycled water facilities. If this project moves forward and Triunfo Sanitation District chooses not to participate, they would be entitled to 29.7% of the JPA wholesale revenue generated from sale of the water to Las Virgenes. If they choose to participate, then they would be entitled to 29.7% of the wholesale revenue generated from the sale of recycled water to the City. An information only JPA agenda item is scheduled for the February 7, 2011 meeting to stimulate discussion about the project.

The next steps in this project are to finalize the preliminary design report being prepared by AECOM for the Woodland Hills Country Club extension, start the process of developing a wholesale recycled water agreement and a capital improvement agreement with the City, and present the project to the JPA Board.

80% of MWD Tier 1 Wholesale Rate
 Cost of AF, Tier 1 MWD Water \$ 720
 Cost per HCF \$ 1.65
80% of Cost HCF \$ 1.32
80% of Cost AF \$ 576

Revenue per AF less LV Wholesale Rate \$ 286
 Annual revenue based on 300 AF per year of sales \$ 85,914
 Years to recover capital cost of \$1,900,000 22

	Assume 100% of CIP Costs Recovered	Assume 50% of CIP Costs Recovered
LVMWD Wholesale Rate		
Cost per HCF	\$ 289.62	\$ 289.62
	\$ 0.66	\$ 0.66
CIP Cost		
Cost per year for 20 years	\$ 1,900,000	\$ 950,000
Cost spread per AF for 300 AF	\$ 95,000	\$ 47,500
Annual CIP component per HCF	\$ 316.67	\$ 158.33
	\$ 0.73	\$ 0.36
PW Supplement per AF		
Cost for 81 AF of PW Supp/ year	\$ 1,000	\$ 1,000
Cost spread per AF for 300 AF	\$ 81,000	\$ 81,000
Cost per HCF annualized	\$ 270.00	\$ 270.00
	\$ 0.62	\$ 0.62
Cost recovered to pump water east avoiding 005 per HCF in shoulder months.	-0.14	-0.14

Spread based on 3 year average of LVMWD Sales:

Jan	4%	11.9
Feb	2%	6.5
Mar	6%	17.3
Apr	9%	25.9
May	11%	32.2
Jun	12%	35.6
Jul	14%	42.8
Aug	13%	37.8
Sep	11%	34.4
Oct	9%	26.8
Nov	7%	21.1
Dec	3%	7.5
		300 AF

81 AF of PW Supplement

Cost per HCF of Recycled Water	\$ 1.87	\$ 1.51
Cost per AF of Recycled Water	\$ 815	\$ 657
Cost per HCF of Recycled Water w/o Potable Supplement	\$ 1.25	\$ 0.89
Cost per AF of Recycled Water w/o Potable Supplement	\$ 545	\$ 387

LVMWD Retail Recycled Water Rates

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 compliance with the terms of this chapter.

4-4.102 BI-MONTHLY WATER RATES INSIDE THE DISTRICT

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

<u>Size of Meter</u>	<u>Bi-Monthly Service Charge</u>
3/4" - 12"	No Charge

4-4.103 Commodity Charges

(a) In addition to the readiness to serve charge, 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

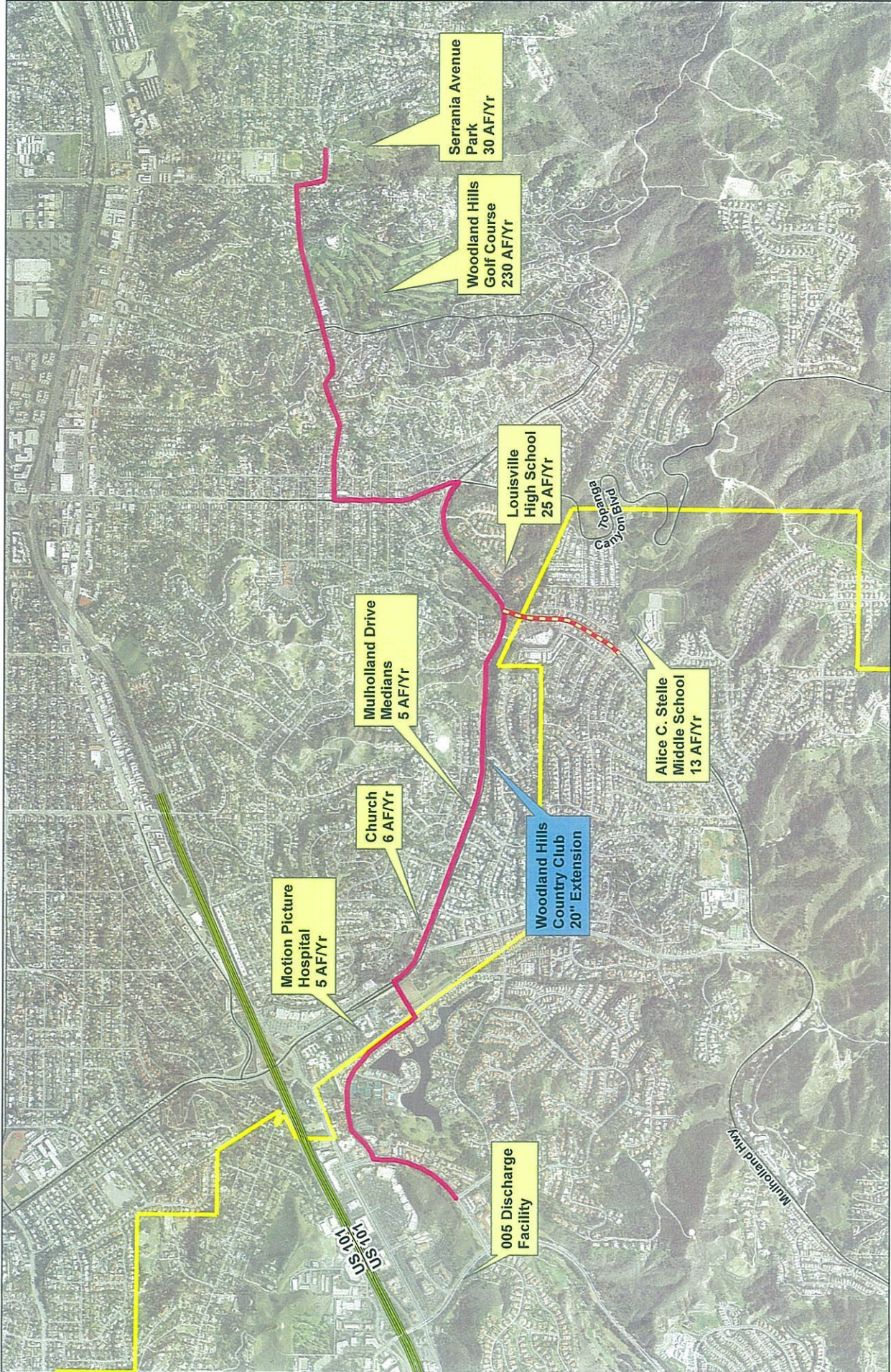
(c) The volume and elevation zone charge per unit shall be as follows:

Volume/ Elevation Charge	Commencing with meter reads on or after:				
	11/1/2007	7/1/2008	7/1/2009	7/1/2010	7/1/2011
Tier 1	\$1.11	\$1.14	\$1.17	\$1.22	\$1.27
Tier 2	1.39	1.43	1.47	1.53	1.59
Tier 3	2.09	2.15	2.21	2.30	2.39
Tier 4	3.13	3.22	3.32	3.45	3.59
Las Virgenes Valley Zone	(\$0.19)	(\$0.20)	(\$0.21)	(\$0.22)	(\$0.23)

Amended 9/25/07 by Ord 09-05-252



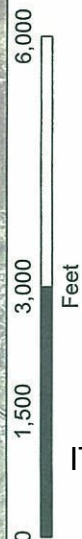
Las Virgenes Municipal Water District is not responsible for the accuracy of this presentation. This presentation is for illustrative purposes only. Verify the physical location of all property lines, water lines and ancillary information prior to use.



Date: 12/27/2010

Path: X:\gisData\Maps\WoodlandHills_RW_extension.mxd

1 inch = 1,500 feet



ITEM 7C

February 7, 2011 JPA Board Meeting

TO: JPA Board of Directors

FROM: Finance & Administration

Subject: Budget Calendar for FY 11-12

SUMMARY:

Staff has begun the process of preparing the proposed JPA budget for FY 11-12. The calendar showing deadlines for steps in the budget process is attached to this report.

As shown on the budget calendar, TSD staff will be submitting their items for inclusion in the budget to the administering agent (LVMWD) by February 10. The first rough draft of the budget will be distributed to the departments and to TSD staff on March 3. At this point the drafts have not been vetted by the general managers but will give staff a preliminary indication of where revenue and expenses are expected to go.

At the JPA budget workshop scheduled for March 7, staff will present a high-level overview of the status of the budget. Board members will be able to comment and give direction at this point.

The general managers will review the budget with staff on April 6. The executive staff, division managers and project managers attend this review to answer questions and discuss alternatives. After the general managers have given their directions concerning the budget, staff prepares the preliminary budget, which will be distributed to the JPA board members on April 21 and will be discussed at the JPA meeting on May 2. Based upon direction from the boards, staff will make modification and present the proposed budget for adoption on June 6.

Staff would be glad to meet with any board members interested in learning more about the budget process or who may have questions about the current budget, whether individually or as a group. Staff is prepared to answer questions at the February 7 JPA meeting about the budget process and other questions about financial issues that may stem from the budget calendar or from the quarterly financial report that will also be presented at this meeting.

RECOMMENDATION(S):

Discuss budget concerns with staff.

Prepared By: Sandra Hicks, Director of Finance and Administration

ATTACHMENTS:

[FY 11-12 Budget Calendar](#)

Las Virgenes Municipal Water District

FY 2011-12 Budget Planning Calendar

	BM - Board Meeting	BW - Board Workshop
1/20/2011	Budget Kickoff Meeting Distribute Manual YTD reports through December available	3/24/2011 Drafts to Departments, GM & TSD Meetings with GM/Department staff, TSD staff
1/25/2011	BM Financial Status Report - Second Quarter	4/11/2011 Budget Letter, Goals, Objectives due to Accounting
2/7/2011	BM Financial Status Report JPA - Second Quarter	4/11/2011 Final Department changes to Accounting, including CIP
	BM Financial Policies Reviewed & Adopted	4/21/2011 Distribute Preliminary Budgets (LV & JPA)
2/10/2011	JPA Budget submissions due to Administering Agent FY2010-11 estimated actuals/FY2011-12 proposed budget to Accounting, including CIP project budgets	4/26/2011 BM Financial Status Report - 3rd Quarter LV Preliminary Budget to Board
2/22/2011	Line item explanations to Accounting BM IP to LV Board for review	5/2/2011 BM Financial Status Report JPA - Third Quarter JPA Preliminary Budget to Board
3/3/2011	Draft budgets (LV & JPA) to departments	5/5/2011 Final changes to Accounting, including CIP - Typos/error Figures ready for Working Capital schedule
3/7/2011	BW Budget Workshop - JPA BM IP Review - JPA	5/12/2011 Final drafts to General Manager
3/9/2011	BW Action Plan Workshop	5/24/2011 BM LV Budget Adoption
3/14/2011	Dept comments on drafts back to	6/6/2011 BM JPA Budget Adoption

February 7, 2011 JPA Board Meeting

TO: JPA Board of Directors

FROM: Resource Conservation & Public Outreach

Subject: Watershed-wide Monitoring Program

SUMMARY:

Last year the Los Angeles Regional Water Quality Control Board (LARWQCB) issued a new NPDES permit for the JPA's Tapia Water Reclamation Facility, in accordance with the five-year permit renewal cycle. The new permit proposed by the LARWQCB staff included a very substantial increase in monitoring, including additional stations, additional tests and a two-fold increase in monitoring frequency (bi-monthly to weekly sampling for some parameters). The estimated annual cost of the proposed additional requirements was about \$250,000.

In response, the District proposed an alternative approach, whereby the increased monitoring proposed by the state would be triggered only if an analysis of all existing data found it was warranted. The District's alternative was based on the premise that a comprehensive analysis of already-existing data from all sources would probably identify overlapping requirements, redundant sampling, reducing the need for expanded monitoring. A comprehensive look at the combined dataset might also answer many of the questions intended for new, expanded monitoring.

The LARWQCB adopted the District's proposal on the condition that it complete its analysis within 6 months. This is the first analysis ever attempted of water quality based on a compilation of all existing data, including 35 years of data collected by the JPA, and more recent data from seven other public agencies and non-profit organizations. The attached report submitted to the LARWQCB in accordance with the permit requirements provides a formal record of our progress to date on the analysis and its associated subtasks. The final report is due on April 1, 2011.

Prepared By: Randal Orton, Resource Conservation Manager

ATTACHMENTS:

[Watershed-wide Monitoring Plan - Interim Report](#)



Las Virgenes – Triunfo Joint Powers Authority
4232 Las Virgenes Road, Calabasas, CA 91302
818.251.2100



December 20, 2010

Mr. Sam Unger
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Attention: Information Technology Unit

Subject: **NPDES Permit No. CA0056014, CI 4760**
Order No. R4-2010-0165
Watershed-wide Monitoring Plan - Interim Report

Dear Mr. Unger:

Attached please find our interim report on the development of a Watershed-wide Monitoring Program (WMP) for the Malibu Creek watershed, pursuant to IX.B.1 of the Monitoring and Reporting Program (MRP) requirements in the subject order.

Please direct any questions regarding this report to Dr. Randal Orton, Resource Conservation Manager, at (818) 251-2145 or rorton@lvmwd.com.

Sincerely,

A handwritten signature in black ink, appearing to read "David R. Lippman". The signature is fluid and cursive, with a long horizontal stroke at the end.

David R. Lippman, P.E.
Director of Facilities and Operations

Attachment

C. Cathy Chang, David Huang and Brandi Outwin (LARWQCB)

Charles Caspary
Chair, Las Virgenes-Triunfo
Joint Powers Authority
President, Las Virgenes Municipal Water District
Board of Directors

Mike Paule
Vice Chair, Las Virgenes-Triunfo
Joint Powers Authority
Chair, Triunfo Sanitation District
Board of Directors

Background

On September 2, 2010, the Los Angeles Regional Water Quality Control Board (LARWQCB) adopted Order No. R4-2010-0165 renewing NPDES Permit No. CA0056014 for the Tapia Water Reclamation Facility. The Monitoring and Reporting Program (MRP) for the permit included a new requirement to facilitate the development of an updated comprehensive Watershed-wide Monitoring Program (WMP) for the Malibu Creek watershed, in conjunction with other interested stakeholders within the watershed¹. In addition, the MRP included a requirement for an analysis of 35 years of existing data from watershed management efforts.² The JPA is required to submit a copy of the proposed WMP to the LARWQCB for approval by its Executive Officer by September 2, 2011, with interim reports due on January 1 and April 1, 2011. The analysis of existing data is due on April 1, 2011. This is the first interim progress report.

MRP Development and Analysis of Existing Data

Immediately following the adoption of Order No. R4-2010-0165, JPA staff identified and began work on the following tasks necessary to develop an effective MRP and to complete the analysis of 35 years of existing monitoring data:

Task 1. Research current monitoring efforts in the watershed:

- a) Work with the Malibu Creek Watershed Council Technical Advisory Committee (TAC) to identify agencies and stakeholders currently conducting water quality monitoring in the Malibu Creek watershed.
- b) Identify active staff contacts for each program (contact list).
- c) Determine each program's purpose (i.e. regulatory compliance, academic research), period of record and specific monitoring objectives.

Workproduct(s): Updated master list of current water quality monitoring in the Malibu Creek watershed.

Status: Completed.

Task 2. Data compilation:

- a) Contact each agency/stakeholder identified in Task 1 and request electronic copies (if available) of existing data.
- b) Determine number and locations (latitude/longitude) of monitoring sites.
- c) Determine parameters monitored at each location and sampling frequency.
- d) Develop a simple, common format for an integrated water quality database compatible with the JPA's Geographic Information System (GIS).
- e) Compile existing data into the single database identified in (d).

¹ This requirement is found in the MRP General Monitoring Provisions (Section I (N)) on pp. E5-E6, and under Section IX (B) of the MRP (Special Studies) on pp. E34-35.

² Revised p. E-5 provided via letter from LARWQCB Executive Officer to John Mundy, Nov. 1, 2010.

Workproduct(s): (1) Updated map of current monitoring stations coded by agency. (2) Electronic georeferenced water quality database.

Status: (a) – (d) completed; task 2(e) is nearly complete but still in progress. We are currently integrating JPA data into the master file that already includes all data submitted by cooperating agencies and organizations shown in Fig. 1 legend.

Task 3. Data analysis:

- a) Using the combined dataset developed in Task 2, identify any duplicative efforts or unintentional redundancies across programs using standard statistical methods.
- b) Using the combined dataset, evaluate the results in relation to each monitoring program's original objectives and the overall goals of the WMP identified in Section IX (B) of the MRP.
- c) On a regular basis JPA staff will provide updates to the TAC and other local venues on our progress with respect to Tasks 1-3.
- d) Summarize our findings in (a) and (b) in a written report for submission to the LARWQCB by April 1, 2011.

Workproduct(s): Report.

Status: In progress. On a parallel track with Tasks 1-3, we are reviewing different analytical and statistical methods for identifying redundant stations/parameters in relation to standard monitoring objectives (i.e. compliance with Basin Plan receiving water quality objectives) and general MRP goals and objectives (i.e. identification of water quality seasonal and long-term trends, impairments of designated beneficial uses).

Task 4. Facilitation and tentative schedule of MRP development:

- a) Coordination with stakeholders. On a parallel track with Tasks 1-3, the JPA will coordinate with the Malibu Creek Watershed Advisory Council Technical Advisory Committee to alert them to the new requirements in the JPA permit and assess their interest and willingness to work with the JPA in the development of a Watershed-wide Monitoring Program (WMP) for the Malibu Creek watershed.
- b) Initial proposal. Based on our findings in 3 (a) and 3 (b), JPA staff will draft an initial proposal for a WMP consistent with Order No. R4-2010-0165 for distribution to the Malibu Creek Watershed Advisory Council TAC members with a request for feedback and discussion at a subsequent TAC meeting prior to the September 2, 2011, submittal deadline.
- c) Draft final MRP. Based on public agency and stakeholder feedback in 4(b), the JPA will develop a draft final MRP / Implementation Plan for distribution and review by participating agencies in late July 2011. The JPA will compile comments received by August 15 and make changes as appropriate to the MRP prior to its submission to the LARWQCB Executive Officer by September 2, 2011.

Workproduct(s): Proposed WMP Implementation Plan.

Status: JPA staff have provided regular updates on its progress to the Malibu Creek Watershed Management Committee (Westlake Village City Hall, 9/14/10 & 10/12/10), the Malibu Creek Watershed Advisory Council (City of Malibu council chambers, 9/23/10), the National Park Service (Diamond Bar Ranch, 9/23/10), and the Malibu Creek Watershed Advisory Council Technical Advisory Committee (LVMWD, 10/21/10). LARWQCB staff attended the meetings on 9/23 and 10/12³.

Attached are completed and interim workproducts identified in Tasks 1-4 above.

³ The JPA appreciates the attendance of LARWQCB staff Michael Lyons at the initial kickoff meeting with the Malibu Creek Advisory Council Technical Advisory Committee on 9/23/10 to describe the goals and objectives of the WMP, explain the need for an integrated, coordinated effort, and to help JPA staff respond to stakeholder concerns and questions. We also appreciate the attendance of Dr. Eric Wu at the Watershed Management Committee at Westlake Village City hall on 10/12/10.

Task 1. Research current monitoring efforts in the watershed:

- A. Identify and meet with agencies and stakeholders currently monitoring water quality in the Malibu Creek watershed.

Nine agencies/organizations are currently monitoring surface and/or groundwater quality in the Malibu Creek watershed under permits issued by the LARWQCB or the SWRCB (Table 1). In addition, two organizations (National Park Service and Heal the Bay) are also voluntarily monitoring water quality. We have compiled contact information for each effort (not shown).

Table 1. Regulatory compliance monitoring programs in the Malibu Creek watershed as of January 1, 2011:

Agency Name	Order No
Agoura Hills, City of	CAS004001 Order No. 01-182
Lake Lindero Homeowners Association	CAG990005 Order No. 2004-0009-DWQ
Las Virgenes Municipal Water District	CA0056014 Order No. R4-2010-0165
Los Angeles County (MS4) (only mass emissions site so far) Los Angeles County (TMDL)	CAS0041 Order No. 01-182 Compliance Monitoring Plan
Los Angeles Co Fire - Agoura Station 89	CAG994004 Order No. R4-2003-0111
Los Angeles Co Fire - Agoura Station 90	CAG994004 Order No. R4-2008-0032
Los Angeles County Sanitation - Calabasas Landfill	WDR Order No. 89-053
Malibu Lake Mountain Club - Aquatic Pesticides for Aquatic Weed Control	CAG990005 Order No. 2004-0009-DWQ
Sherwood Valley HOA	CAG990005 Order No. 2004-0009-DWQ
Ventura County Watershed Protection District	CAS004002, Order No. R4-2009-0057
Westlake Lake Management Association - Vector Control	CAG990004 Order No. 2004-0008-DWQ
Westlake Lake Management Association - Aquatic pesticide/weed control	CAG990005 Order No. 2004-0009-DWQ
Westlake Lake Management Association - Westlake Well	CAG994005 Order No. R4-2003-0108

Task 2. Data compilation:

Available data:

We have compiled data from most of the listed MRP programs in Table 1 into Microsoft Excel[®] spreadsheets and are currently integrating this data into a single master database. This task entails a significant amount of “by-hand” data entry from early data available only as hard copy paper reports, primarily from early JPA NPDES monitoring reports. We currently have data from all of the agencies shown in Fig. 1, which constitutes the bulk of monitoring currently supported in the watershed.

Monitoring stations:

Monitoring station locations for each of the programs identified in (1) were compiled using the JPA Geographic Information System (Fig. 1). We also have identified the site locations of major water quality studies within the Malibu Creek watershed completed over the last 30 years by various organizations (see bibliography, attached).

Thirteen stations are monitored by more than one agency, particularly in lower Malibu Creek near Cross Creek road (Table 2). We are currently assessing each program’s monitoring frequency and methods to better quantify the degree of overlapping effort at these stations.

Parameters tested on a regular basis by multiple agencies (including EPA priority pollutants):

Table 2 provides an overview of monitoring programs currently supported in the watershed, along with parameters tested on a regular basis in each of the watershed’s 11 major tributary streams. Parameters tested vary considerably across programs, reflecting differences between each program’s specific goals and objectives and period of record (more recent programs generally include many more tested parameters, reflecting an overall increase in the magnitude of monitoring required by regulatory agencies).

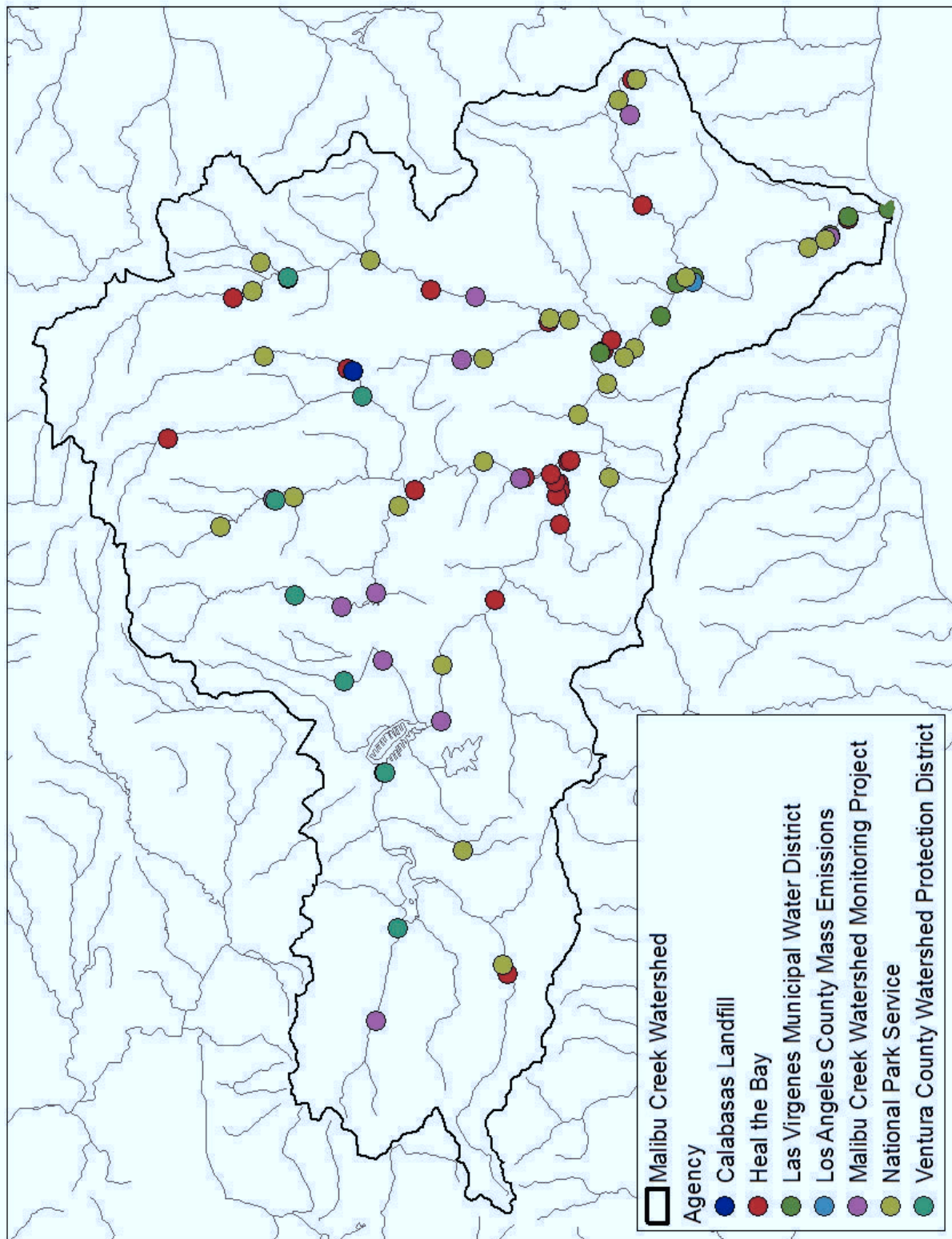
Task 3. Data Analysis:

We are currently exploring a variety of analytical methods to identify redundant stations/parameters looking at the overall level of monitoring effort in the Malibu Creek watershed, and to quantify temporal trends in water quality over the combined period of record (1971 – 2010).

However, we have completed an analysis of a subset of existing data available electronically from 1998 through 2009 for those parameters that have established TMDL or adopted Basin Plan water quality objectives in Malibu Creek and its tributary streams. We focused on this data subset to enable coordination with the 2010 state 303(d) listing cycle, and submitted our data and findings electronically directly to the State Water Resources Control Board on November 2, 2010⁴.

⁴ Due to email server size limitations, our submission was provided in two separate emails with nine attached files to Ms. Stephanie Bucknam (SWRCB staff).

Fig. 1. Locations of monitoring stations sampled by agencies identified in Table 1.



Studies of Water Quality in the Malibu Creek Watershed, 1979 – 2010

Note that this list is limited to studies that collected data from multiple stations (e.g. Busse et. al. 2003), or studies of single locations over significant periods (e.g. Calabasas landfill monitoring).

1. ABC Laboratories. 2007. Benthic macroinvertebrate bioassessment, Malibu Creek. Tapia WRF NPDES permit CA0056014 compliance monitoring report.
2. Abramson, M. 2009. Tracking the Invasion of the New Zealand Mudsail, *Potamopyrgus antipodarum*, in the Santa Monica Mountains. *Urban Coast* 1:21-24.
3. Ambrose, R.F., Suffet, I.H., Que Hee, S.S. 1994. Enhanced monitoring program at Malibu Lagoon and Malibu Creek. University of California, Los Angeles.
4. Ambrose, R.F., Orme, A.R. 2000. Lower Malibu and Lagoon resource enhancement and management. University of California, Los Angeles. May 2000.
5. Berry, W. L. 1979. Trace element analysis of sediments and fish tissue collected during the Las Virgenes Municipal Water District's year-round discharge study. *In* Malibu Creek Study, 1978-1979. James M. Montgomery Consulting Engineers, Inc. Las Virgenes Municipal Water District File Report No. 1319.5.
6. Busse, L.; J. Simpson, S. Cooper, K. Kamer and E. Stein. 2003. A Survey of Algae and Nutrients in the Malibu Creek Watershed. Southern California Coastal Water Research Project Technical Report No. 412
7. Carry, C. W., 1996. Mineral Leaching Study Calabasas Landfill. County Sanitation Districts of Los Angeles County (CSDLAC), March 13, 1996. Available from authors or CSDLAC.
8. Chapman, D. 1980. Algae study (Chapter 4) *in* Malibu Creek Study, James M. Montgomery, Consulting Engineers, Inc., February 1980. Available from authors as LVMWD file no. 1319.5.
9. CH2M Hill, 2000. Evaluation of nutrient standards for Malibu Creek and Malibu lagoon. Prepared for the Las Virgenes Municipal Water District (LVMWD) and the Triunfo Sanitation District. Available from authors or LVMWD.
10. Dagit, R.; S. Adams and S. Drill. Die off and current status of southern steelhead trout in Malibu Creek, Los Angeles County, USA. *Bull. Southern Calif. Acad. Sci.* April, 2009.
11. EDAW, 2003. City of Calabasas. Las Virgenes, McCoy and Dry Creeks. Master plan for restoration. Phase I. Comprehensive Study. Prepared for the City of Calabasas Public Works Department by EDAW, Inc. San Diego CA.
12. Luce, S. L. 2003. Urbanization and Aquatic Ecosystem Health in Malibu Creek, California: Impacts on Periphyton, Benthic Macroinvertebrates, and environmental Policy. A dissertation submitted for the degree Doctor of Environmental Science and Engineering, University of California, Los Angeles.
13. Luce, S and M. Abramson. 2005. Periphyton and Nutrients in Malibu Creek, a Heal the Bay Report. Available from Heal the Bay.

14. Mannion & Dillingham, 1989. Malibu lagoon: A baseline ecological survey. Topanga-Las Virgenes Resource Conservation District. Available from RCD or authors.
15. Moeller, A; S. D. MacNeil, R. F. Ambrose, S. S. Que Hee. 2003. Elements in fish of Malibu Creek and Malibu Lagoon near Los Angeles, California. Mar. Pollution Bull. 46:424-429.
16. Neal, W. L. and D. K. Todd. 2003. Radioactivity sampling report for Calabasas landfill, Agoura, California. County Sanitation Districts of Los Angeles County, Whittier, CA. File No. 60-118.
17. Orton, R. D. & J. Rinehart. 2008. Malibu Creek runoff control project. Final Report to the State Water Resources Control Board. Available from authors as LVMWD Report #2417.00.
18. Rinehart, J. and J. Medlen. 2006. Malibu Creek watershed monitoring program 2006 annual baseline report. Available from author or City of Calabasas, 26135 Mureau Road, Calabasas, CA 91302. and www.mcwmp.net
19. Staal, Gardner and Dunn, Inc. 1991. Preliminary Hydrogeologic Assessment, Reclaimed Water Seasonal Storage Project Preliminary Investigation of Ground
20. Water Potential, Phase 1: Environmental and Engineering Studies, Volume 2: Preliminary Investigation of Groundwater Potential, prepared by Staal, Gardner and Dunne, Inc., December 1991, LVMWD Library No. 1834.02/4568, Plate 2 – Water Well Inventory.
21. Stein, E. and V.K. Yoon. 2007. Assessment of Water Quality Concentrations and Loads from Natural Landscapes. Southern California Coastal Water Research Project Report 500. Available at www.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/500_natural_loading.pdf
22. US EPA, 2002. Nutrient TMDL for the Malibu Creek Watershed.

Table 2. Malibu Creek watershed monitoring (Overview) Highlighted cells show potentially redundant sampling	Lower watershed		Upper watershed														
			East tributaries		North tributaries					West tributaries			Lakes				
	Malibu Creek	Malibu Lagoon	Cold Creek	Stokes Creek	Chesebro Canyon Creek	Las Virgenes Creek	Liberty Canyon Creek	Lindero Creek	Medea Creek	Palo Comado Creek	Hidden Valley Creeks	Russell Creek	Triunfo Creek	Lake Lindero	Sherwood Lake	Malibu Lake	Westlake Lake
303(d) listed impairments	7	6				7		4	3				3	7	6	4	6
No. organizations monitoring	4	3	3	2	4	4	1	2	4	2	3	1	2	1	1	2	1
No. of monitoring stations	19	3	7	2	4	9	1	2	7	2	5	1	3	?	?	?	?
No. of stations sampled by more than one agency	3	?	2	2	2	2		?	2	?	?	?					
Agoura Hills	X																
Heal the Bay	X	X	X	X	X	X			X	X	X	X				X	
Lake Lindero HOA														X			
LVMWD	X	X															
LACDPW	X	X	X	X		X		X		X		X					
LACSAN					X			X									
Malibu Lake Mountain Club																X	
National Park Service			X		X	X	X	X			X	X					
VCWPD					X	X		X	X		X	X					
Westlake Lake Mgmt Assoc.																	X
Sherwood Valley HOA															X		
1 Air Temperature					2	2			2		2	1		?	?		?
2 alkalinity	1		1	1	1	1	1	2	1	1		1		?	?		?
3 Ammonia-Nitrogen	2	2	2	1	2	1		1	2	1	1	1		?	?	1	?
4 bacteria	1		1	1	1	2			1	1	1	1		?	?		?
5 bacteria (E.coli)	1	1	1	1	1	1		1	1	1	1	1		?	?	1	?
6 BOD	2	1	1	1	1	1	1	2	1	1		1		?	?		?
7 Bromide			1		1	1	1		1					?	?		?
8 Chloride			1		2	1		1	2		1			?	?		?
9 Chlorophyll-a														?	?		?
10 COD	1		1	1	1	1		2	1	1		1		?	?		?
11 conductivity	2	1	2	2	3	3	1	2	3	2	2	1	2	?	?	1	?
12 Discharge velocity			1		1	1	1		1		1			?	?		?
13 dissolved oxygen	3	2	3	2	4	4		2	4	2	3	1	2	?	?	1	?
14 E.coli														?	?		?
15 Enterococcus	1	1	1	1	1	1			1	1	1	1		?	?	1	?
16 Fecal Coliform	1	1												?	?		?
17 Flow					1	1	1		1		1	1		?	?		?
18 Fluorides			1		1	1			1		1			?	?		?
19 hardness	1		1	1	1	1		2	1	1		1		?	?		?
20 metals and other ions	2	1	1	1	1	1		1		1		1		?	?		?
21 Nitrite	1	1					1							?	?		?
22 Nitrogen, Nitrate (NO3) as N	1	1	1		2	1	1	1	2		1			?	?		?
23 Nitrogen, Nitrate (NO3) as NO3			1		1	1			1		1			?	?		?
24 nutrients	1		1	1		1		1		1		1		?	?		?
25 nutrients (Nitrate-Nitrogen)	1	1	1	1	1	1			1	1	1	1		?	?	1	?
26 oil and grease	1		1	1		1		1		1		1		?	?		?
27 organics	1		1	1	1	1		2	1	1		1		?	?		?
28 Orthophosphate							1							?	?		?
29 Oxygen 18			1		1	1	1		1		1			?	?		?
30 Oxygen 18/Oxygen 16 Ratio			1		1	1	1		1		1			?	?		?
31 pH	3	2	3	2	4	4	1	2	4	2	3	1	2	?	?	1	?
32 Phosphorus as HPO4)	1	1	1	1	2	2	1		2	1	2		1	?	?	1	?
33 Phosphorus, phosphate (PO4) as P	1	1	1		1	1			1		1			?	?		?
34 potassium					1			1	1					?	?		?
35 sodium					1			1	1					?	?		?
36 sulfate					1			1	1					?	?		?
37 TDS	1		1	1	1	1		2	1	1		1		?	?		?
38 TOC					1			1	1					?	?		?
39 Total Coliform	2	2	1	1	1	1			1	1	1	1		?	?	1	?
40 Total Nitrogen														?	?		?
41 Total Suspended Solids	1		1	1		1		1		1		1		?	?		?
42 trash	1	1	1	1	1	1			1	1	1	1		?	?	1	?
43 TSS														?	?		?
44 turbidity	1	1	1	1	2	2			2	1	2	1	1	?	?	1	?
45 Water Temperature	2	2	1	1	3	2		1	3	1	2	1	1	?	?	1	?

February 7, 2011 JPA Board Meeting

TO: JPA Board of Directors

FROM: Finance & Administration

Subject: Joint Powers Authority Second Quarter Financial Report and Spotlight on Joint Powers Authority

SUMMARY:

Operating revenue is lower than expected in the budget and lower than the prior year as customers apply water conservation practices for potable water to recycled water and the much higher than normal rainfall in the second quarter. Operating expenses are below budget and only 2.1% higher than in the prior year. Overall operating expenses were less than budget by 7.7%. No projected change in budget is proposed in this report.

Capital project expenses are higher than prior year at the same time due to the timing of major projects in each fiscal year.

RECOMMENDATION(S):

Receive and file.

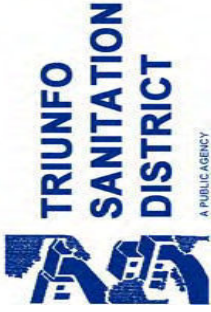
DISCUSSION:

Although operating revenue is down, operating expenses are also lower than expected, even with the workload of negotiating with the regional board staff on the new NPDES permit. If this trend continues, the JPA will create budget savings for both districts.

Prepared By: Sandra Hicks and Violet Liou, Marsha Eubanks prepared the Spotlight on JPA

ATTACHMENTS:

[JPA Financial Review & Spotlight on JPA](#)



Joint Powers Authority Second Quarter Financial Review

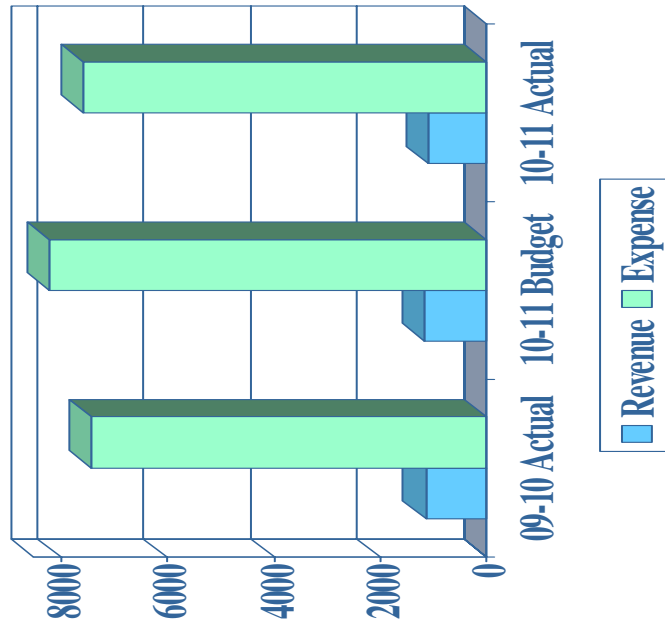
FY10-11 Year to Date at December 31

	FY09-10 Actual YTD	FY10-11 Budget YTD	FY10-11 Actual YTD
Net Uses of Fund	\$7,869,739	\$9,636,827	\$8,319,920
LV Share	\$5,443,208	\$6,643,674	\$5,731,684
TSD Share	\$2,426,531	\$2,993,153	\$2,588,236

Joint Powers Authority Operations

Second Quarter

(in Thousands)



	FY 09-10 Actual YTD	FY 10-11 Budget YTD	FY 10-11 Actual YTD
Total Operating Revenues	\$ 1,157,305	\$ 1,171,243	\$ 1,088,472
RW Pump Station	743,023	791,174	798,856
RW Tanks & Reservoirs	116,832	102,060	34,209
RW System Operations	47,379	56,700	14,115
RW Distribution	16,330	45,198	96,019
Sewer	145,479	163,158	124,593
Waste Water Treatment	3,572,235	3,966,223	3,617,107
Composting	2,242,143	2,532,085	2,250,424
Farm Operation	115,937	104,934	124,168
Administration	407,731	434,242	502,965
Total Operating Expenses	7,407,089	8,195,774	7,562,456
Net Operating (Expenses)	\$ (6,249,784)	\$ (7,024,531)	\$ (6,473,984)

Joint Powers Authority Operations
Quarterly Update - Comparison to Budget & Prior Year at December 31, 2010
FY10-11 Year to Date

	<u>FY 09-10 Actual YTD</u>	<u>FY 10-11 Budget YTD</u>	<u>FY 10-11 Actual YTD</u>
<u>Total Revenues</u>			
Operating Revenues	\$ 1,157,305	\$ 1,171,243	\$ 1,088,472
Other Revenues	50,205	18,000	964,230
Total Revenues	<u>1,207,510</u>	<u>1,189,243</u>	<u>2,052,702</u>
<u>Total Expenses</u>			
Operating Expenses	\$ 7,407,089	\$ 8,195,774	\$ 7,562,456
Capital Project Expenses	1,670,160	2,630,296	2,810,166
Total Expenses	<u>9,077,249</u>	<u>10,826,070</u>	<u>10,372,622</u>
Net (Uses) of Funds	<u>\$ (7,869,739)</u>	<u>\$ (9,636,827)</u>	<u>\$ (8,319,920)</u>
Las Virgenes Share	<u>(5,443,208)</u>	<u>(6,643,674)</u>	<u>(5,731,684)</u>
Triunfo Share	<u>(2,426,531)</u>	<u>(2,993,153)</u>	<u>(2,588,236)</u>

Joint Powers Authority Operations
Quarterly Update - Comparison to Budget & Prior Year at December 31, 2010
FY10-11 Year to Date

	<u>FY 09-10 Actual YTD</u>	<u>FY 10-11 Budget YTD</u>	<u>FY 10-11 Actual YTD</u>
<u>Las Virgenes Share:</u>			
<u>Total Revenues</u>			
Operating Revenues	\$ 817,057	\$ 826,898	\$ 781,990
Other Revenues	37,984	12,708	680,122
Total Revenues	<u>855,041</u>	<u>839,606</u>	<u>1,462,112</u>
<u>Total Expenses</u>			
Operating Expenses	\$ 5,072,275	\$ 5,626,291	\$ 5,209,819
Capital Project Expenses	1,225,974	1,856,989	1,983,977
Total Expenses	<u>6,298,249</u>	<u>7,483,280</u>	<u>7,193,796</u>
Net (Uses) of Funds - LV	<u>\$ (5,443,208)</u>	<u>\$ (6,643,674)</u>	<u>\$ (5,731,684)</u>
<u>Triunfo Share:</u>			
<u>Total Revenues</u>			
Operating Revenues	\$ 340,248	\$ 344,345	\$ 306,482
Other Revenues	12,221	5,292	284,108
Total Revenues	<u>352,469</u>	<u>349,637</u>	<u>590,590</u>
<u>Total Expenses</u>			
Operating Expenses	\$ 2,334,814	\$ 2,569,483	\$ 2,352,637
Capital Project Expenses	444,186	773,307	826,189
Total Expenses	<u>2,779,000</u>	<u>3,342,790</u>	<u>3,178,826</u>
Net (Uses) of Funds - TSD	<u>\$ (2,426,531)</u>	<u>\$ (2,993,153)</u>	<u>\$ (2,588,236)</u>
Total JPA Net (Uses) of Funds	<u>\$ (7,869,739)</u>	<u>\$ (9,636,827)</u>	<u>\$ (8,319,920)</u>

Joint Powers Authority Operations
Quarterly Update - Comparison to Budget & Prior Year at December 31, 2010
FY10-11 Year to Date

	<u>FY 09-10 Actual</u> <u>YTD</u>	<u>FY 10-11 Budget</u> <u>YTD</u>	<u>FY 10-11 Actual</u> <u>YTD</u>
Total Operating Revenues	\$ 1,157,305	\$ 1,171,243	\$ 1,088,472
RW Pump Station	743,023	791,174	798,856
RW Tanks & Reservoirs	116,832	102,060	34,209
RW System Operations	47,379	56,700	14,115
RW Distribution	16,330	45,198	96,019
Sewer	145,479	163,158	124,593
Waste Water Treatment	3,572,235	3,966,223	3,617,107
Composting	2,242,143	2,532,085	2,250,424
Farm Operation	115,937	104,934	124,168
Administration	407,731	434,242	502,965
Total Operating Expenses	7,407,089	8,195,774	7,562,456
Net Operating (Expenses)	\$ (6,249,784)	\$ (7,024,531)	\$ (6,473,984)

**Las Virgenes - Triunfo Joint Powers Authority
Capital Improvement Project Status
December 31, 2010**

Job # - Description **LV % TSD %** **Prior Year Unexpended Appropriations** **Current Year Appropriations** **Current Year Expenditures** **Contractual Commitments** **Project Balance** **LV Balance** **TSD Balance**

Job # - Description	LV % TSD %	Prior Year Unexpended Appropriations	Current Year Appropriations	Current Year Expenditures	Contractual Commitments	Project Balance	LV Balance	TSD Balance
Completed Projects								
10281 - 24" RW Pipeline-Mulhnd--Tapia	70.6%	\$3,128,690	\$0	\$2,605,235	\$18,110	\$505,345	\$356,774	\$148,571
10402 - Rancho Groundwater Wells	70.6%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10404 - Tapia Tank Rehab - FY08-09	70.6%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10421 - GIS: Sani System Data Convsn	70.6%	\$40,920	\$0	\$14,880	\$0	\$26,040	\$18,384	\$7,656
10455 - Rancho Farm Bldg Rehab.	70.6%	\$0	\$25,000	\$21,553	\$6,248	(\$2,801)	(\$1,978)	(\$823)
10456 - Tapia Screening Washer/Compact	70.6%	\$0	\$87,000	\$0	\$79,200	\$7,800	\$5,507	\$2,293
Completed Projects		\$3,169,610	\$112,000	\$2,641,668	\$103,558	\$536,384	\$378,687	\$157,697

Job # - Description	LV % TSD %	Prior Year Unexpended Appropriations	Current Year Appropriations	Current Year Expenditures	Contractual Commitments	Project Balance	LV Balance	TSD Balance
Projects on Hold								
10387 - Rancho Material Handling Imprv	70.6%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10391 - RLV:Compost Reactor Bldg Ceilig	70.6%	\$305,470	\$0	\$0	\$0	\$305,470	\$215,662	\$89,808
10418 - Rehab 18" RW Pipe (Tapia/Mlhd)	70.6%	\$50,000	\$100,000	\$0	\$0	\$150,000	\$105,900	\$44,100
Projects on Hold		\$355,470	\$100,000	\$0	\$0	\$455,470	\$321,562	\$133,908

Job # - Description	LV % TSD %	Prior Year Unexpended Appropriations	Current Year Appropriations	Current Year Expenditures	Contractual Commitments	Project Balance	LV Balance	TSD Balance
Projects to complete by June 30, 2011								
10257 - Fuel Cell Rplcement-Staff Labor	70.6%	\$280,000	\$0	\$88,406	\$119,094	\$72,500	\$51,185	\$21,315
10392 - RLV:Replace Centrate Line	70.6%	\$729,444	\$672,997	\$36,495	\$655,569	\$710,377	\$501,526	\$208,851
10448 - Rancho Polymer Feed System Re	70.6%	\$0	\$121,000	\$0	\$0	\$121,000	\$85,426	\$35,574
10449 - Rancho Solar Project	70.6%	\$0	\$20,000	\$0	\$0	\$20,000	\$14,120	\$5,880
10451 - Tapia Gate & Drive Replacement	70.6%	\$0	\$160,000	\$3,086	\$0	\$156,914	\$110,781	\$46,133
10452 - Tapia Process Air Evaluation	70.6%	\$0	\$156,000	\$0	\$0	\$156,000	\$110,136	\$45,864
10454 - Rancho Centrifuge Power Reliab	70.6%	\$0	\$25,000	\$1,000	\$0	\$25,000	\$17,650	\$7,350
10458 - Tapia Pmp/Mitor Rbltd/Rpl 10-11	70.6%	\$0	\$60,000	\$21,757	\$380	\$37,863	\$26,731	\$11,132

Job # - Description **LV % TSD %** **Prior Year Unexpended Appropriations** **Current Year Appropriations** **Current Year Expenditures** **Contractual Commitments** **Project Balance** **LV Balance** **TSD Balance**

10459 - Tapia CP1000,CP100,Scrn Roof	70.6%	29.4%	\$0	\$66,000	\$0	\$0	\$66,000	\$46,596	\$19,404
10462 - Tapia: 20/24" Inflint FrcMainUp	70.6%	29.4%	\$0	\$363,000	\$0	\$0	\$363,000	\$256,278	\$106,722
10465 - Rancho:Flare Contrl Safety Upg	70.6%	29.4%	\$0	\$25,000	\$0	\$0	\$25,000	\$17,650	\$7,350
10469 - Rancho Misc Equipmt-FY 10-11	70.6%	29.4%	\$0	\$40,000	\$0	\$0	\$40,000	\$28,240	\$11,760
10470 - Tapia Misc Equipmt-FY 10-11	70.6%	29.4%	\$0	\$52,000	\$0	\$0	\$52,000	\$36,712	\$15,288
10472 - Westlake Wells 1&2 Renovation	70.6%	29.4%	\$0	\$10,000	\$240	\$50,000	(\$40,240)	(\$28,409)	(\$11,831)
10473 - BNR Ph III-Centrate SampleLine	70.6%	29.4%	\$0	\$0	\$18,514	\$5,634	(\$24,148)	(\$17,048)	(\$7,100)
10480 - Rnch Farm Centrate Genlr Modif	70.6%	29.4%	\$0	\$52,000	\$0	\$46,921	\$5,079	\$3,586	\$1,493

Projects to complete by June 30, 2011 **\$1,009,444** **\$1,822,997** **\$168,498** **\$877,598** **\$1,786,345** **\$1,261,160** **\$525,185**

Multi-Year Projects

10446 - Buffer Land at Rancho	70.6%	29.4%	\$0	\$250,000	\$0	\$0	\$250,000	\$176,500	\$73,500
10453 - Tapia/Rancho Vulnerability Ass	70.6%	29.4%	\$0	\$50,000	\$0	\$0	\$50,000	\$35,300	\$14,700
10457 - Tapia Altmv Disinfectn Study	70.6%	29.4%	\$0	\$110,000	\$0	\$108,718	\$1,282	\$905	\$377

Multi-Year Projects **\$0** **\$410,000** **\$0** **\$108,718** **\$301,282** **\$212,705** **\$88,577**

Totals **\$4,534,524** **\$2,444,997** **\$2,810,166** **\$1,089,874** **\$3,079,481** **\$2,174,114** **\$905,367**

Totals: Las Virgenes MWD **\$3,201,374** **\$1,726,168** **\$1,983,977** **\$769,451** **\$2,174,114**

Totals: Triunfo Sanitation District **\$1,333,150** **\$718,829** **\$826,189** **\$320,423** **\$905,367**

**Las Virgenes - Triunfo Joint Powers Authority
Capital Improvement Projects Working Capital**

Fiscal Year 2010-11 - through December 31, 2010

Job # - Description	LV %	TSD %	Working Capital Requirement			Expenditures			
			per Budget	Current Est	LV Share	TSD Share	Total	LV Exp	TSD Exp
10257 - Fuel Cell Rplcemnt-Staff Labor	70.60%	29.40%	\$280,000	\$280,000	\$197,680	\$82,320	\$88,406	\$62,415	\$25,991
10281 - 24" RW Pipeline-Mulhd--Tapia	70.60%	29.40%	\$1,500,000	\$3,128,690	\$2,208,855	\$919,835	\$2,605,235	\$1,839,296	\$765,939
10387 - Rancho Material Handling Imprv	70.60%	29.40%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10391 - RLV:Compost Reactor Bldg Ceilig	70.60%	29.40%	\$313,644	\$305,470	\$215,662	\$89,808	\$0	\$0	\$0
10392 - RLV:Replace Centrate Line	70.60%	29.40%	\$1,446,700	\$1,402,441	\$990,123	\$412,318	\$36,495	\$25,765	\$10,730
10402 - Rancho Groundwater Wells	70.60%	29.40%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10404 - Tapia Tank Rehab - FY08-09	70.60%	29.40%	\$107,248	\$0	\$0	\$0	\$0	\$0	\$0
10418 - Rehab 18" RW Pipe (Tapia/Mlhd)	70.60%	29.40%	\$100,000	\$150,000	\$105,900	\$44,100	\$0	\$0	\$0
10421 - GIS: Sani System Data Convsn	70.60%	29.40%	\$0	\$40,920	\$28,890	\$12,030	\$14,880	\$10,505	\$4,375
10446 - Buffer Land at Rancho	70.60%	29.40%	\$250,000	\$250,000	\$176,500	\$73,500	\$0	\$0	\$0
10448 - Rancho Polymer Feed System Reh	70.60%	29.40%	\$121,000	\$121,000	\$85,426	\$35,574	\$0	\$0	\$0
10449 - Rancho Solar Project	70.60%	29.40%	\$20,000	\$20,000	\$14,120	\$5,880	\$0	\$0	\$0
10451 - Tapia Gate & Drive Replacement	70.60%	29.40%	\$160,000	\$160,000	\$112,960	\$47,040	\$3,086	\$2,179	\$907
10452 - Tapia Process Air Evaluation	70.60%	29.40%	\$156,000	\$156,000	\$110,136	\$45,864	\$0	\$0	\$0
10453 - Tapia/Rancho Vulnerability Ass	70.60%	29.40%	\$50,000	\$50,000	\$35,300	\$14,700	\$0	\$0	\$0
10454 - Rancho Centrifuge Power Reliab	70.60%	29.40%	\$25,000	\$25,000	\$17,650	\$7,350	\$0	\$0	\$0
10455 - Rancho Farm Bldg Rehab.	70.60%	29.40%	\$25,000	\$25,000	\$17,650	\$7,350	\$21,553	\$15,216	\$6,337
10456 - Tapia Screening Washer/Compact	70.60%	29.40%	\$50,000	\$87,000	\$61,422	\$25,578	\$0	\$0	\$0
10457 - Tapia Altrmtv Disinfectn Study	70.60%	29.40%	\$50,000	\$110,000	\$77,660	\$32,340	\$0	\$0	\$0
10458 - Tapia Pmp/Mtor Rblid/Rpl 10-11	70.60%	29.40%	\$60,000	\$60,000	\$42,360	\$17,640	\$21,757	\$15,360	\$6,397
10459 - Tapia CP1000,CP100,Scrn Roof	70.60%	29.40%	\$66,000	\$66,000	\$46,596	\$19,404	\$0	\$0	\$0

Job # - Description	LV %	TSD %	Working Capital Requirement			Expenditures			
			per Budget	Current Est	LV Share	TSD Share	Total	LV Exp	TSD Exp
10462 - Tapia: 20/24" Inflint FrMainUp	70.60%	29.40%	\$363,000	\$363,000	\$256,278	\$106,722	\$0	\$0	\$0
10465 - Rancho:Flare Contrl Safety Upg	70.60%	29.40%	\$25,000	\$25,000	\$17,650	\$7,350	\$0	\$0	\$0
10469 - Rancho Misc Equipmt-FY 10-11	70.60%	29.40%	\$40,000	\$40,000	\$28,240	\$11,760	\$0	\$0	\$0
10470 - Tapia Misc Equipmt-FY 10-11	70.60%	29.40%	\$52,000	\$52,000	\$36,712	\$15,288	\$0	\$0	\$0
10472 - Westlake Wells 1&2 Renovation	70.60%	29.40%	\$0	\$10,000	\$7,060	\$2,940	\$240	\$169	\$71
10473 - BNR Ph III-Centrate SampleLine	70.60%	29.40%	\$0	\$0	\$0	\$0	\$18,514	\$13,071	\$5,443
10480 - Rnch Farm Centrate Gentr Modif	70.60%	29.40%	\$0	\$52,000	\$36,712	\$15,288	\$0	\$0	\$0
Totals			<u>\$5,260,592</u>	<u>\$6,979,521</u>	<u>\$4,927,542</u>	<u>\$2,051,979</u>	<u>\$2,810,166</u>	<u>\$1,983,977</u>	<u>\$826,189</u>

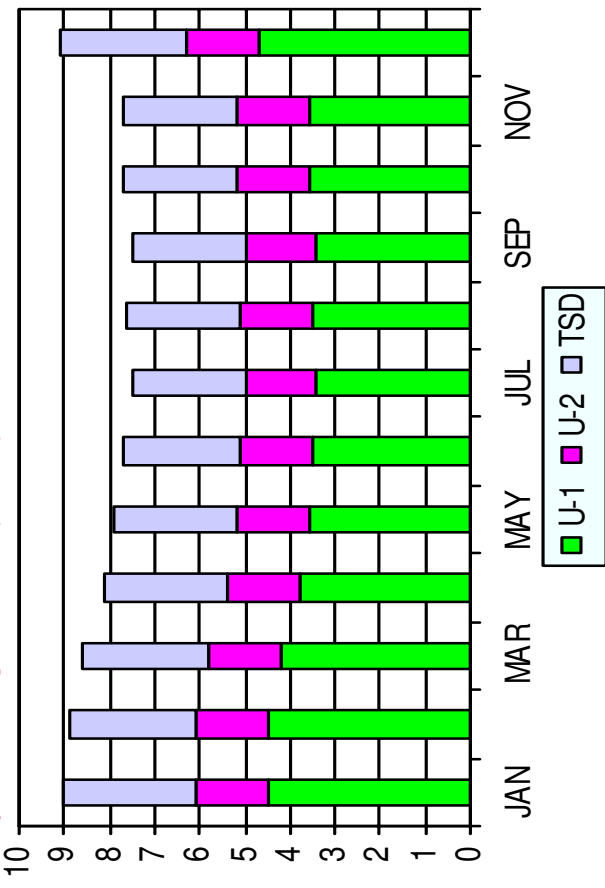
Footnotes

- 3 Appropriate \$10,000 for preparation of plans and specifications, approved by JPA Board of Directors, 7/19, 2010, Item 6B.
- 8 Additional appropriation of \$37,000 approved by JPA Board of Directors, 9/13/2010, Item 6B.
- 10 Appropriation of \$52,000 approved by JPA Board of Directors, 12/6/2010, Item 5D.
- 11 Additional appropriation of \$60,000 approved by JPA Board of Directors, 12/6/2010, Item 5E.

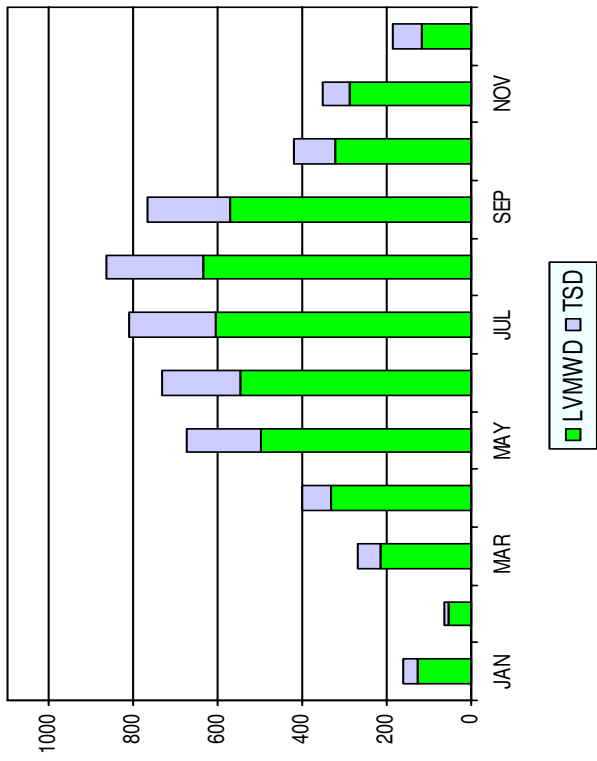
SPOTLIGHT on the JOINT POWERS AUTHORITY

2nd Quarter, FY10-11

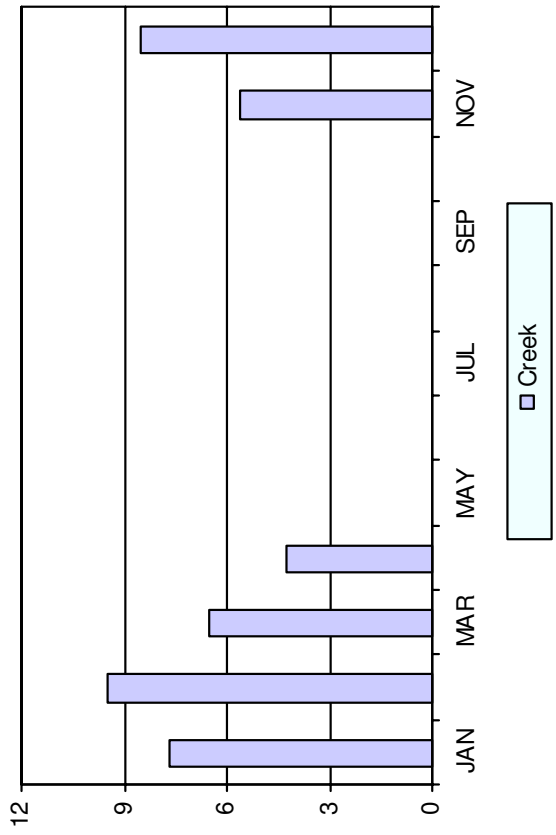
Tapia Sewage Flows (MGD)



Deliveries to the Reclaimed System (AF)



Effluent Disposal (MGD)



Weekly Compost Marketing (CY)

