LAS VIRGENES - TRIUNFO
JOINT POWERS AUTHORITY
AGENDA
4232 Las Virgenes Road, Calabasas CA 91302

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 July 6, 2015

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 headquarters, and the Clerk of the Board called the roll.

Las Virgenes Municipal Water District	Present	Left	Absent
Glen Peterson, Vice Chair	_____	_____	_____
Charles Caspary	_____	_____	_____
Jay Lewitt	_____	_____	_____
Leonard Polan	_____	_____	_____
Lee Renger	_____	_____	_____
Triunfo Sanitation District			
Steven Iceland	_____	_____	_____
Michael McReynolds	_____	_____	_____
Janna Orkney	_____	_____	_____
Michael Paule	_____	_____	_____
James Wall, Chair	_____	_____	_____

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 JPA Meetings of May 4, 2015 Approve **(Pg.4)**

B Amended Minutes: Regular JPA Meeting of March 2, 2015 Approve **(Pg.9)**

5. ACTION ITEMS

A Recycled Water Seasonal Storage Plan of Action: Approval (Pg.14)

Approve the Recycled Water Seasonal Storage Plan of Action and authorize staff to negotiate a scope of work and fee proposal with MWH Global to prepare a Basis of Design Report/Feasibility Study.

B Woodland Hills Country Club Recycled Water System Extension: Preliminary Design and Environmental Review (Pg.36)

Accept the proposal from RMC Water and Environment and authorize the General Manager to execute a Professional Services Agreement, in the amount of $320,041, for the preliminary design and environmental review of the Woodland Hills Country Club Recycled Water System Extension.

C Proposed Joint Powers Authority Budget for Fiscal Year 2015-16 (Pg.60)

Adopt the proposed Joint Powers Authority budget for Fiscal Year 2015-16.

D Tapia Water Reclamation Facility NPDES Effluent Limit Exceedances: Settlement Offer No. R4-2015-0035, Expedited Payment Program (Pg.148)

Authorize the Administering Agent/General Manager to execute Settlement Offer No. R4-2015-0035, including payment of $75,000 for 25 exceedances of NPDES effluent limitations for the Tapia Water Reclamation Facility.

6. BOARD COMMENTS

7. ADMINISTERING AGENT/GENERAL MANAGER REPORT

8. FUTURE AGENDA ITEMS

9. INFORMATION ITEMS

A Residential Recycled Water Fill Station Program (Pg.157)

B Las Virgenes Scenic Corridor Completion Project: Grant of Easement to City of Calabasas (Pg.180)

C Tapia Water Reclamation Facility NPDES Permit Renewal:Public Outreach Activity (Pg.190)

D Board Meeting Follow-up Items (Pg.196)

10. 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

11. CLOSED SESSION

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

Las Virgenes - Triunfo Joint Powers Authority v. United States Environmental Protection

Agency and Heal the Bay, Inc. v. Lisa P. Jackson

12. ADJOURNMENT

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
4232 Las Virgenes Road, Calabasas CA 91302

MINUTES
REGULAR MEETING

5:00 PM May 4, 2015

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to the Flag was led by Chairman Wall.

1. CALL TO ORDER AND ROLL CALL

A Call to order and roll call

The meeting was called to order at **5:02 p.m.** by Chairman Wall in the Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road in Calabasas. Joanne Bodenhamer, the Interim Clerk of the Board called the roll.

Present: Director(s): Caspary Iceland, Lewitt, Polan, McReynolds, Orkney, Paule, Renger, and Wall
Absent: Director(s): Vice Chairman Peterson

2. APPROVAL OF AGENDA

A Approval of Agenda

On motion by Director McReynolds, seconded by Director Iceland, the Board voted unanimously to approve the agenda as presented.

3. PUBLIC COMMENTS

There were no comment cards.

4. CONSENT CALENDAR

A Minutes: Regular JPA Meetings of March 2, 2015 and April 6, 2015.

On a motion by Director Iceland and seconded by Director Renger, the Board voted unanimously to approve the minutes of March 2, 2015 and April 6, 2015.

5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Preliminary JPA Budget for Fiscal Year 2015-16

Administering Agent/General Manager, Pedersen gave an overview of the key budget drivers. Operating expenses of $15.6 Million is just a touch over 2.5% more than last year, capital expenditures of $7.1 Million due to lower than expected recycled water sales at the wholesale level the new recycled water rate will be $436.55, compared to the current rate of $373.72.

Mike Hamilton was introduced and gave detailed specifics on the budget and discussed the following: Revenues and the recycled water rate to the JPA participants; project costs and expenditures.

Discussion took place and questions of the Board were answered.

6. ACTION ITEMS

A Independent Audit Services: Contract Renewal (Pg.33)

Authorize the Administering Agent/General Manager to exercise the first one-year renewal option with Pun & McGeady, LLP, to continue providing independent audit services to the JPA.

Administering Agent/General Manager Pedersen gave an overview of the item stating that Pun & McGeady was selected to complete the JPA's audit; they did the audit last year and the audit committee gave positive feedback using that company; staff recommend five one-year renewal options and this would be the first one-year renewal option.

On a motion by Director Caspary and seconded by Director Iceland the Board voted unanimously to approve item 6A.

B Financial Review: Third Quarter of Fiscal Year 2014-15

Receive and file the financial review for the third quarter of Fiscal Year 2014-15.

Finance & Administration Director, Donald Patterson gave an overview of the third quarter financial review.

Director Polan questioned the $250,000 variance in total revenues and Don Patterson explained that is due to lower projected sales between FY 14/15 and FY15/16.

On a motion by Director Polan and seconded by Director McReynolds, the Board voted unanimously to item 6B.

7. BOARD COMMENTS

Director Paule commented about TSD and LVMWD working together as a joint board and spoke about forming a committee with representatives from TSD and LVMWD to figure out how to work better going forward in terms of cooperation between the two boards; this will give the opportunity to sit down and understand

that both boards have the same objective; the boards need to participate in a way that benefits all of the agencies so it's not Las Virgenes vs. Triunfo which it turns into at times.

Director Orkney commented on the outreach to Ventura County to increase the use of recycled water; at the AWA Water Symposium, Director Orkney took the opportunity to do some outreach and spoke with Jim Friedl who is now the Manager for Conejo Park and Recreation District; Mr. Friedl would like access to recycled water; Cal Water is adding funds to the budget for recycled water piping for two parks; at Senator Fran Pavley's Advisory Council meeting, Director Orkney spoke with the chair of Conejo Valley School District and they are in favor of recycled water as well; President of the Unified School District, Betsy Connelly mentioned that the utilities are being buried in front of Westlake High School.

Director Caspary commented that he hopes that TSD and Calleguas can come to an agreement on upcoming projects and he is pleased that Director Orkney is committed to increasing reclaimed water distribution;

Director Polan agreed with Director Paule's suggestion to have a workshop for TSD and LVMWD to have a workshop to see what can be done.

8. ADMINISTERING AGENT/GENERAL MANAGER REPORT

Administering Agent/General Manager Pederson reported on several items which included: creek avoidance; sprayfields; Malibu Creek flows are at 2.8 cfs; progress is being made on the cathodic protection for the Centrate tanks and work is nearly complete; Encino Reservoir investigation; currently working with MWH to complete the plan of action for the Encino Reservoir and the indirect potable use scenario.

9. FUTURE AGENDA ITEMS

Director McReynolds suggested an agenda item specifically for public outreach in regards to the NPDES Permit; this will help the public to be fully aware of what is going on.

10. INFORMATION ITEMS

A Reservoir No. 2 Improvements: Purchase of Shade Balls

Director McReynolds thanked staff for saving $60,000 on the contract for the shade balls.

B Bioassessment Monitoring Report: Approval of Purchase Order

C Board Meeting Follow-up Items

Director McReynolds asked about the trends lines; is it getting worse, is it changing. (Reclamation Manager, Brett Dingman: the trends are always sub-par, but during the drought it gets worse; it's really bad this year)

Director Caspary commented that the Resource Conservation District for the Santa Monica Mountains did a study on the Topanga Creek Watershed and a source identification program to determine where bacterial contamination is coming from; they also looked into a biological integrity analysis of Topanga Creek; the results found will strengthen the response to the NPDES Permit.

11. PUBLIC COMMENTS

There were no comment cards.

The Board took a brief recess and started closed session at 6:13 p.m.

12. CLOSED SESSION

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

Las Virgenes - Triunfo Joint Powers Authority v. United States Environmental Protection Agency and Heal the Bay, Inc. v. Lisa P. Jackson

The Board recessed to closed session at **6:13 p.m** and reconvened to open session at **6:30 p.m**.

No actions were taken during closed session.

13. ADJOURNMENT

The meeting adjourned at 6:31 p.m.

James Wall, Chair

ATTEST:

Glen Peterson, Vice Chair

LAS VIRGENES – TRIUNFO
JOINT POWERS AUTHORITY
AMENDED MINUTES

5:00 PM March 2, 2015

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to the Flag was led by Chairman Wall.

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 Chairman Wall at the Oak Park Library. Joanne Bodenhamer, Interim Clerk of the Board, conducted the roll call.

Present:	Director(s):	Caspary, Iceland, Lewitt, Orkney, Polan, Vice Chairman Peterson, and Chairman Wall
Absent:	Director(s):	McReynolds, Paule and Renger

2. APPROVAL OFAGENDA

A Approval of agenda

Director Wall pointed out that the agenda showed that the meeting was taking place at Las Virgenes, so it was clarified that it was at Oak Park Library.

Director Caspary made a motion to approve the agenda with Director Wall's clarification; it was seconded by Director Iceland. The Board voted unanimously to approve the agenda as clarified.

3. PUBLIC COMMENTS

There were no public comment cards.

4. CONSENT CALENDAR

A Minutes: Special JPA Meeting of January 29, 2015; Regular JPA Meeting of February 2, 2015; and Special JPA Meeting of February 11, 2015 (Pg.)

Director Orkney requested that the names of representatives of the various organizations be reflected in the minutes for the benefit of those who could not attend the workshops.

Director Peterson moved to approve the minutes of Minutes: Special JPA Meeting of January 29, 2015; Regular JPA Meeting of February 2, 2015; and Special JPA Meeting of February 11, 2015.

Director Iceland requested to table the vote for the minutes as he was not at some of the meetings, and there would not be quorum for approval of the minutes without his vote.

Legal Counsel Lemieux explained that a director does not need to be present at the meeting to vote on the minutes, the director would just have to believe the minutes are accurate.

Director Peterson withdrew his motion to approve the minutes until the next meeting.

5. ACTION ITEMS

A Lost Hills Interchange 10-inch Recycled Water Main Relocation Project: Construction Award:

Consider a summary of bids received by the City of Calabasas for the Lost Hills Interchange Improvement Project; and, if the bid amount for the relocation of the JPA's 10-inch recycled water main exceeds the authority previously delegated to the Administering Agent/General Manager, determine whether or not to proceed with the work in conjunction with the City's project.

Administering Agent/General Manager Pedersen gave an overview of the item.

Director of Facilities and Operations, David Lippman reviewed the bids received. The lowest responsible bidder was Security Paving with an overall bid of approximately $22 million, including $496,742 for relocation of the JPA's recycled water main.

Staff recommended that the Board accept the bid from Security Paving, request that the City of Calabasas proceed with the water main relocation work in conjunction with its project, and authorize the Administering Agent/General Manager to reimburse the City for the work in the amount of $496,742.

Director Peterson moved to approve the staff recommendation; the motion was seconded by Director Polan. The Board voted unanimously to approve the item as presented.

B Construction of Centrate Equalization Tank and Rehabilitation of Centrate Pipeline: Award of Design

Accept the proposal from Pacific Advanced Civil Engineering, Inc.; and authorize the Administering Agent/General Manager to execute a professional services agreement, in the amount of $117, 519, for design of the Centrate Equalization Tank and Rehabilitation of Centrate Pipeline Project.

Administering Agent/General Manager Pedersen presented an overview of the item.

Director Polan moved to approve the staff recommendation; the motion was seconded by Director Iceland. The Board voted unanimously to approve the item as presented.

C Tapia Water Reclamation Facility Channel Mixing Improvements: Construction Award

Waive a minor bid irregularity; award a construction contract to GSE Construction Company, Inc., in the amount of $896,560; and approve an additional appropriation in the amount of $651,037 to CIP Job No. 10538, Tapia Water Reclamation Facility Channel Mixing Improvements Project.

Administering Agent/General Manager Pedersen presented an overview of the item.

Director Caspary moved to approve the staff recommendation; the motion was seconded by Director Orkney. The Board voted unanimously to approve the item as presented.

ITEM 4B

D Infrastructure Investment Plan: Fiscal Years 2015-2016 through 2019-2020

Receive and file the Infrastructure Plan: Fiscal Years 2015-2016 through 2019-2020.

Administering Agent/General Manager Pedersen presented an overview of the item.

Director Peterson moved to receive and file the Infrastructure Investment Plan for Fiscal Years 2015-2016 through 2019-2020; it was seconded by Director Polan. The Board voted unanimously to approve the item as presented.

6. BOARD COMMENTS

Director Caspary reported on the Los Angeles Regional Water Quality Control Board meeting.

Director Lewitt reported on the ACWA Washington D.C. Conference attended with Director Polan, General Manager Pedersen, and Director of Facilities and Operations Lippman.

Director Polan reported that he attended the ACWA Washington D.C. Conference and spoke about the CASA Project entitled “Unlocking Gridlock”.

7. ADMINISTERING AGENT/GENERAL MANAGER REPORT

Administering Agent/General Manager Pedersen reported on the Washington D.C. trip and the items and issues discussed there; he reported that Directors Paule and Renger hosted the February 6th Watershed and Sanitation Facilities Tour with 48 people in attendance; he attended the Los Angeles Regional Water Quality Control Board meeting and intends to continue attending the meetings monthly until the permit renewal for Tapia is approved; he reported that the third Recycled Water Seasonal Storage Plan of Action Workshop is coming up on March 18th.

Director Peterson commented that staff and the consulting team for the Recycled Water Seasonal Storage Plan of Action effort should make an effort to organize the break-out groups by separating representatives from the various interest groups. A brief discussion took place on the issue.

8. FUTURE AGENDA ITEMS

There were no future agenda items.

9. INFORMATION ITEMS

A Board Follow-up Items

Administering Agent/General Manager Pedersen reported that the 2nd Quarter Financial Review had a fairly large difference between the year-to-date budget versus actual for pump stations; the budgeted amount was $732,000 and the actual was $828,000; the primary cause was the December electric bill that had not been received from Edison, so staff estimated the bill. The actual electric bill was much lower than estimated since the solar generation facility is in place.

10. PUBLIC COMMENTS

There were no public comments.

11. CLOSED SESSION

The Board recessed to closed session at **6:09 p.m.** and reconvened to open session at **6:40 p.m.**

A. Conference with District Counsel- Existing Litigation pursuant to Government Code Section 54956.9 (a).

1. Las Virgenes – Triunfo Joint Powers Authority v. United States Environmental Protection Agency and Heal the Bay, Inc. v. Lisa P. Jackson

There were no reportable actions taken in closed session.

12. ADJOURNMENT

Seeing no further business to come before the Board, the meeting was duly adjourned at **6:41 p.m.**

ITEM 4B

James Wall, Chair

ATTEST:

Glen Peterson, Vice Chair

July 6, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Recycled Water Seasonal Storage Plan of Action: Approval

SUMMARY:

On November 3, 2014, the Board approved a proposal from MWH Global (MWH) to prepare a recycled water seasonal storage plan of action. The approach to develop the plan of action centered around conducting individual interviews with JPA Board Members and engaging a broad cross-section of stakeholders in three public workshops. Materials from the workshops are available on the LVMWD website at http://www.lvmwd.com/your-water/recycled-water/recycled-water-seasonal-storage.

Representatives of the following organizations actively participated in the workshops: Senator Fran Pavley's Office, Supervisor Sheila Kuehl's Office, Heal the Bay, Los Angeles Waterkeeper, National Park Service, California State Parks, cities of Calabasas and Thousand Oaks, Malibu Creek MS4 Watershed Management Committee, Mountains Restoration Trust, Santa Monica Mountains Conservancy, Resource Conservation District of the Santa Monica Mountains, Santa Monica Mountains Fund, Los Angeles Department of Water and Power (LADWP), and Calleguas Municipal Water District.

On April 6, 2015, the JPA Board considered stakeholder comments on six conceptual scenarios and directed staff to develop a plan of action focused on Scenario Nos. 4, the use of Las Virgenes Reservoir for indirect potable reuse, and 5, the re-purposing of Encino Reservoir for seasonal storage. The attached Plan of Action outlines the objectives, strategies and initial actions to move forward on a parallel path for both scenarios until a decision can be made to focus on one.

Staff has already initiated several of the actions such as meeting with LADWP executives to discuss Scenario No. 5. One of the more important next steps is to proceed with the Basis of Design Report/Feasibility Study to further detail the facilities, costs and schedules for implementation of the selected scenarios.

RECOMMENDATION(S):

Approve the Recycled Water Seasonal Storage Plan of Action and authorize staff to negotiate a scope of work and fee proposal with MWH Global to prepare a Basis of Design Report/Feasibility Study.

FISCAL IMPACT:

No

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

There is no financial impact associated with adoption of the plan of action. However, there will be future financial implications associated with implementation of the plan of action, particularly construction and operation of the facilities for Scenario Nos. 4 or 5.

DISCUSSION:

Background:

The JPA first started developing the recycled water system in the 1970s. Since the initial installation of the

Las Virgenes Valley system, the recycled water system has grown to provide service in both Los Angeles and Ventura counties. Of the 10,000 acre-feet (AF) of recycled water produced at the Tapia Water Reclamation Facility each year, approximately 60% or 6,000 AF is beneficially reused. Approximately 4,500 AF is used in the Las Virgenes service area, accounting for 17% of total demand. Approximately 1,500 AF is delivered to Triunfo Sanitation District with 828 AF being used in the Oak Park Water Service's area, accounting for 26% of its total annual demands. The remaining 4,000 AF is disposed of either by discharging it to Malibu Creek and/or the Los Angeles River or via spray fields at Rancho. By 2035, wastewater flows are estimated to increase to 12 million gallons per day at Tapia. If there is little or only modest growth in recycled water demands, the volume of recycled water disposal will increase to 7,500 AF.

Recycled Water Seasonal Storage:

Seasonal storage of recycled water has been considered in many planning documents, beginning with the 1973 Recycled Water Master Plan. In the simplest terms, the concept is to store excess recycled water produced in the winter for use in the summer when demands are the highest and exceed production. This approach requires not only seasonal storage but also increased demands. Seasonal storage has little or no value unless it is matched with demands to empty the reservoir in the summer to make room for winter excess. The approach would significantly reduce the need to discharge but cannot eliminate discharges altogether because of high flows into Tapia during rain events and a shrinking market for traditional "purple pipe" recycled water use. However, non-traditional uses such as residential use or the emerging concept of indirect or direct potable reuse may expand the potential demand for recycled water, leveraging the value of seasonal storage.

Guiding Principles and Stakeholder Process:

On June 2, 2014, the Board approved the attached guiding principles, creating a framework for next steps in developing seasonal storage of recycled water for maximum beneficial reuse. Because of the complexity of the project, having a clear road map or plan of action was deemed necessary for the Board and staff. The plan of action would allow the JPA to make incremental steps towards maximizing beneficial reuse. To this end, a Request for Proposals was sent out and MWH was selected as the most qualified firm. MWH's approach was to develop a plan of action centered around conducting individual interviews with JPA Board Members and engaging a broad cross-section of stakeholders in three public workshops. The approach recognized the value of soliciting input from key stakeholders early in the process.

JPA Board Member Interviews:

MWH first conducted individual interviews with JPA Board Members. The key words and phrases from the interviews help to frame the context of the workshops that followed. Key words and phrases from the interviews were:

- Customers
- Cost effectiveness
- Using the most of existing resources
- Malibu Creek
- Expanding recycled water use
- Innovative forms of reuse
- Outreach

Stakeholder Workshops:

Workshop No. 1 consisted of developing context for the problem by using a broad scanning technique

known as "PESTLE". P-E-S-T-L-E stands for political, economic, social, technical, legal and environmental, and is used as a means to categorize complex issues into “buckets” that can be ranked and prioritized by the participants. The group identified 26 issues in the political category, 45 in the economic category, 52 in the social category, 56 in the technical category, 13 in the legal category and 60 in the environmental category. These issues were then used in the second workshop.

Workshop No. 2 involved developing "convergence" on the issues using an assessment tool known as "BPAT" or blink prioritization assessment tool. BPAT relies on participants' first impressions and initial reactions to prioritize the issues through break-out groups and polling. The result was consensus on three primary issues for each of the PESTLE categories. These issues were then used in the third workshop.

Workshop No. 3 started the process of "affirmation". Six conceptual scenarios ranging from TMDL compliance with advanced nutrient removal to re-purposing an existing reservoir for indirect potable reuse were evaluated based on the PESTLE and BPAT assessments, construction costs and implementation schedules. The participants evaluated and commented on each scenario.

JPA Board Direction:

On April 6, 2015, the JPA Board considered stakeholder comments on six conceptual scenarios and directed staff to develop a plan of action focused on Scenario Nos. 4, the use of Las Virgenes Reservoir for indirect potable reuse, and 5, the re-purposing of Encino Reservoir for seasonal storage. The attached Plan of Action outlines the objectives, strategies and initial actions to move forward on a parallel path for both scenarios until a decision can be made to focus on one. The plan includes a table showing the planned activities for both scenarios over the next four fiscal quarters. Each action is then referenced in the one-year schedule, showing the sequence of events. An overall project schedule for both scenarios is also included. The Plan of Action should be considered a “living” document, so as actions are accomplished and Board decisions are made, the Plan will be updated.

Next Steps:

Staff has already initiated several of the actions such as meeting with LADWP executives to discuss Scenario No. 5. One of the more important next steps is to proceed with the Basis of Design Report/Feasibility Study to further detail the facilities, costs and schedules of the selected scenarios. Staff proposes to negotiate a scope of work and fee proposal with MWH to prepare the Basis of Design Report/Feasibility Study. The scope of work and fee proposal would be presented to the JPA Board at a future meeting for approval. The work is anticipated to cost $300,000 to $500,000. The proposed Fiscal Year 2015-16 JPA Budget includes sufficient funding for the work.

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

ATTACHMENTS:

Recycled Water Seasonal Storage Project Guiding Principles

Recycled Water Seasonal Storage Plan of Action

Recycled Water Seasonal Storage Project Guiding Principles

The Las Virgenes-Triunfo Joint Powers Authority (JPA) considers recycled water a valuable resource to be beneficially reused. The JPA produces recycled water at its Tapia Water Reclamation Facility (Tapia) by treating wastewater flows from its service area to meet strict state and federal water quality standards. The amount of recycled water produced at Tapia is relatively constant throughout the year. However, customers' needs or "demands" for recycled water fluctuate significantly during the year. Demands are very high during the hot summer months, exceeding the supply from Tapia, and can drop to near zero during periods of rainfall during the winter.

As a result, the JPA is challenged to balance the constant supply of recycled with fluctuating demands throughout the year. During the summer months, potable water must be added to the recycled water system to meet the high demands. Conversely, during the winter months, excess recycled water must be released to Malibu Creek and the Los Angeles River or applied to the JPA's sprayfields. Releases to Malibu Creek are subject to ever increasing regulatory requirements, which will likely be cost-prohibitive to meet in the near future.

A seasonal storage reservoir for recycled water would allow the JPA to balance supply and demands. Excess recycled water could be placed in the reservoir during the winter months for use during the high demand summer period. Additional demands for recycled water would need to be developed to ensure that the reservoir could be drawn down each year, making room for needed storage in the wintertime. A seasonal storage reservoir has been envisioned since the first Recycled Water Master Plan was completed in the 1970s. In 2012, the JPA completed a Recycled Water Seasonal Storage Feasibility Study. This study evaluated the technical and economic feasibility of three alternatives for the reservoir.

The JPA desires to fully and beneficially reuse its recycled water by moving forward with investigation of seasonal storage. This investigation will be guided by the following principles.

1. ***Maximize Beneficial Reuse by:***
   - 1.1. Being an environmental steward
   - 1.2. Reducing existing potable water use
   - 1.3. Reducing discharge to Malibu Creek and Los Angeles River
   - 1.4. Encouraging infill use in both service areas
   - 1.5. Providing regional benefits
   - 1.6. Creating water supply reliability

2. ***Seek Cost Effective Solutions by:***
   - 2.1. Seeking funding from grants, matching funds and partnerships
   - 2.2. Engaging permitting and regulatory agencies early and often
   - 2.3. Each partner sharing in outside funding
   - 2.4. Each partner funding their share
   - 2.5. Being on time, on schedule and within budget
   - 2.6. Analyzing impacts and benefits of the project from each partners perspective

3. ***Seek Partnerships beyond the JPA by:***
   - 3.1. Considering multiple uses such as;
     - 3.1.1. Recreation
     - 3.1.2. Education
     - 3.1.3. Creation of open space
   - 3.2. Engaging stakeholders early and often
   - 3.3. Considering additional partners that will purchase recycled water

4. ***Gain Community Support by:***
   - 4.1. Engaging and educating the public and stakeholders
   - 4.2. Being transparent
   - 4.3. Establishing public safety as a top priority

5. ***Govern with a Partnership by:***
   - 5.1. Using the JPA Agreement as a guiding document
   - 5.2. Communicating openly and frequently
   - 5.3. Being committed to the project
   - 5.4. Equitably allocating costs and sharing benefits from both partners perspective

6. ***Be Forward Thinking by considering the possibilities of:***
   - 6.1. Expanding the recycled water system beyond the JPA service area
   - 6.2. Exterior residential reuse
   - 6.3. Exterior and interior use for new and remodeled commercial projects
   - 6.4. Indirect potable reuse
   - 6.5. Direct potable reuse

RECYCLED WATER SEASONAL STORAGE FACILITY

PLAN OF ACTION

June 19, 2015

Plan of Action

The Las Virgenes-Triunfo Joint Powers Authority (JPA) considers recycled water a valuable resource to be beneficially reused. The JPA produces recycled water at its Tapia Water Reclamation Facility (Tapia) by treating wastewater flows from its service area to meet strict state and federal water quality standards. The amount of recycled water produced at Tapia is relatively constant throughout the year. However, customers' needs or "demands" for recycled water fluctuate significantly during the year.

To balance the constant supply of recycled water with fluctuating demands throughout the year, the JPA has established this Plan of Action to initiate implementation of a recycled water seasonal storage project to help secure the water supply needs of its service area. As directed by the JPA Board the Plan of Action focuses on two scenarios, Scenario 4, the use of Las Virgenes Reservoir for indirect potable reuse and Scenario 5, re-purposing Encino Reservoir for seasonal storage. The Plan is intended to outline the objectives, strategies, and initial actions to move the scenarios forward in a parallel path until a decision is made to focus on a particular scenario. It should be updated periodically to incorporate new information and JPA direction. The JPA Board adopted the following Seasonal Storage Guiding Principles (see Appendix B) which are the foundation for the objectives and strategies in the Plan of Action.

Seasonal Storage Guiding Principles:

1. Maximize Beneficial Reuse
2. Seek Cost Effective Solutions
3. Seek Partnerships beyond the JPA
4. Gain Community Support
5. Govern with a Partnership
6. Be Forward Thinking by Considering the Possibilities

Objectives

1. Minimize reliance on imported water by maximizing the beneficial reuse of recycled water.
2. Achieve a high cost/benefit ratio by utilizing existing facilities where possible and maximizing funding sources.
3. Ensure the proposed project is beneficial to rate payers and other water users.
4. Secure and maintain public acceptance.
5. Develop a proposed project that is sustainable and meets or exceeds regulatory standards.
6. Provide leadership as an environmental steward of the Malibu Creek Watershed.

Strategies

1. Continue to engage Key Stakeholders identified during the Seasonal Storage Plan of Action workshop series and find opportunities to involve them in project planning
2. Expand public outreach program to include the entire service area of the Triunfo Sanitation District and Las Virgenes Municipal Water District.
3. Engage with LADWP and other potential partners to promote interest in the project and find common ground for moving forward.

4. Refine project descriptions and facility requirements and fully identify project costs and issues of implementation.
5. Prepare a funding strategy to identify all potential sources and any special application requirements or deadlines necessary to maximize funding assistance for the proposed project.
6. Initiate environmental documentation immediately once project is defined to support funding applications.
7. Wherever possible, perform actions concurrently to create shovel-ready projects suitable for construction funding.
8. Engage with regulators early to identify special needs or requirements of project implementation..
9. Develop a project schedule and set milestone dates to maintain project momentum. Develop a financial model to track impacts of project implementation on rate payers.

Actions

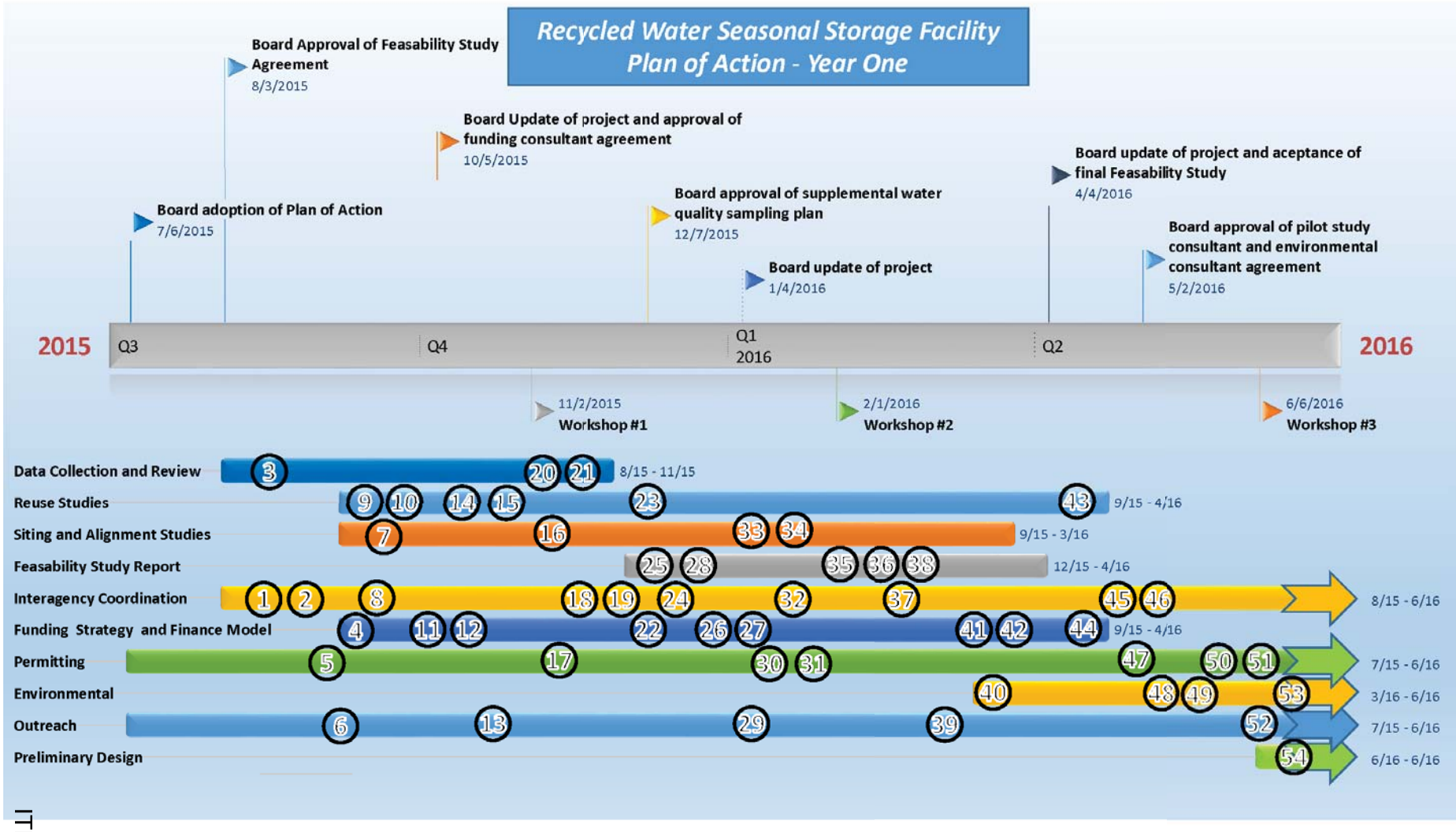
The following table shows the planned actions for Scenario 4 and Scenario 5 over the next four fiscal quarters. Each action item has been numbered and is referenced in the 1-year plan of action schedule shown below. Workshops are denoted with a “W” prefix, and JPA Board actions denoted with a “B” prefix. An overall project schedule for both scenarios is also included below.

Recycled Water Seasonal Storage Facility Plan of Action
Year One

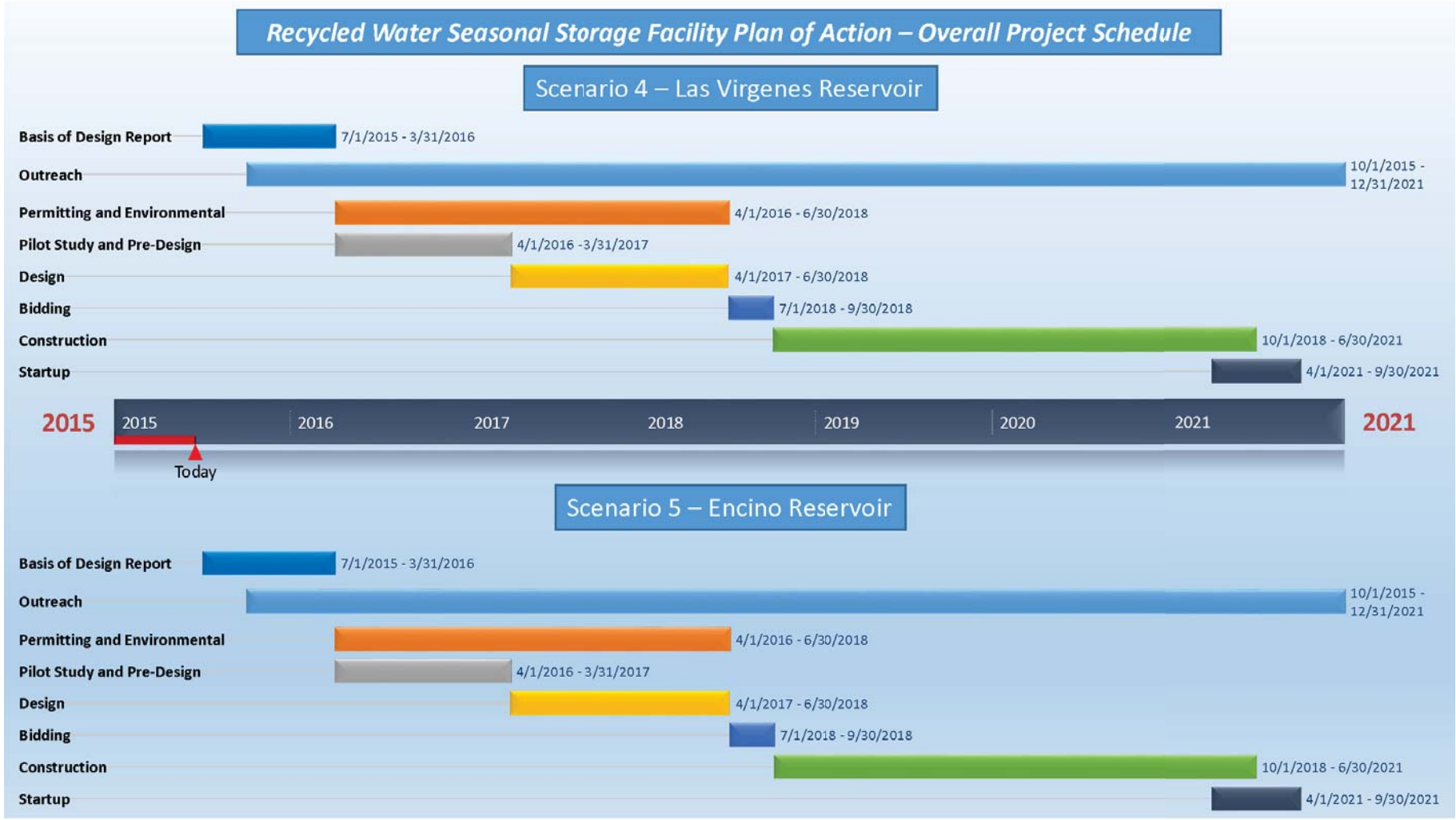
Item	Action	Remarks	Scenario 4 (Las Virgenes Reservoir)	Scenario 5 Encino Reservoir
		Fiscal Quarter 3, 2015		
B1	**Board adoption of the Plan of Action**	**Board adoption of the Plan of Action will initiate evaluation of the selected scenarios.**	✓	✓
1	Initiate exploratory meetings with Metropolitan	These meetings are meant to clarify availability of LRP funding and Metropolitan participation	✓	✓
2	Initiate exploratory meetings with LADWP	These meetings are intended to clarify the positions and potential issues for LADWP regarding LVMWD use of Encino Reservoir facilities.		✓
3	Negotiate agreement for Basis of Design Report (BODR)	This agreement is needed to further define the facilities, costs, and schedules of the selected scenarios.	✓	✓
4	Prepare RFP for selection of funding consultant	A funding consultant is needed to ensure all potential sources of funding are identified and proper steps for application are followed.	✓	✓
5	On-going negotiation with RWQCB for TWRF discharge permit	The RWQCB discharge permit must be renegotiated to continue discharging to Malibu Creek, or to other reservoir locations.	✓	✓
6	Prepare draft engagement plan for Stakeholders	A continuing stakeholder engagement plan is an important aspect of the selected scenarios. The JPA may wish to retain a dedicated consultant and combine this with the public outreach program (see below).	✓	✓
B2	**Board approval of BODR agreement**	**This action item is needed to initiate facility engineering.**	✓	✓
7	Initiate pipeline alignment and hydraulic studies	Hydraulic studies and alternative pipeline alignments are needed to define the size, length, and feasibility of recycled water conveyance to and from the reservoirs.	✓	✓
8	Initiate exploratory meetings with Division of Drinking Water (DDW)	DDW needs to be informed of the selected scenarios and participate in the development of the Concept Study (see below).	✓	✓
9	Initiate RW operational storage study at Las Virgenes Reservoir	Evaluate reservoir volume, inflows, outflows, mixing, and residence time for general conformance with proposed surface water augmentation regulations for potable reuse.	✓	
10	Initiate RW operational storage study at Encino Reservoir	Evaluate reservoir operations for recycled water storage, including inflows, outflows and losses due to evaporation and seepage.		✓
11	Identify modifications to *Integrated Regional Water Management Plan (IRWMP)*	The IRWMP must be modified to include the selected scenarios to be eligible for Proposition 1 funding.	✓	✓
12	Select and negotiate agreement with funding consultant	Consultant selection will allow funding work to begin in following quarter.	✓	✓
13	Prepare draft public outreach program for project, including NGO engagement	A public outreach program is an important aspect of the selected scenarios, to gain and keep public support.	✓	✓
		Fiscal Quarter 4, 2015		
B3	**Board update of project, and approval of funding consultant agreement**	**The Board will receive an update on the selected scenarios each quarter. Consultant should review and edit thePlan of Action to ensure steps are in place to prepare applications and meet submittal deadlines.**	✓	✓
14	Prepare summary of water quality data and supplemental sampling plan	Water quality for the most recent three years will be summarized and a supplemental sampling plan developed for constituents of concern.	✓	✓
15	Prepare supply and demand summary for facility sizing	A daily water balance of recycled water supply and demand for the most recent three years will be prepared to support facility sizing and operational analysis.	✓	✓
16	Identify potential sites for new pump stations, tanks, and/or treatment facilities	Based on pipeline alignment studies (see above), facility sizing alternatives will be identified and evaluated.	✓	✓
17	On-going negotiation with RWQCB for TWRF discharge permit, including reservoirs	Discussions may generate the need for additional information and modifications to the Plan of Action.	✓	✓

W1	**Workshop #1**	**Workshop with JPA Board to discuss pipeline alignments, and reservoir operations**	✓	✓
18	Initiate discussions with Calleguas MWD on use of brine line and RW supply	Discussions are needed to determine feasibility of brine disposal and issues with increased recycled water use.	✓	
19	Continue meetings with Metropolitan for LRP funding	Discussions will determine eligibility of either project for LRP funding from Metropolitan	✓	✓
20	Conduct literature search of operational issues for recycled water storage facilities	Similar projects will be identified and reviewed for common issues and potential solutions in the implementation and operation of proposed facilities.		✓
21	Review source water control plans and identify issues in the collection system	The existing sewer source control plans will be reviewed and compared to expectations of DDW to determine if additional efforts are needed to ensure quality for potable reuse.	✓	
22	Prepare Prop 1 funding strategies and schedules for Chapters 5, 6, 7, 8, and 9	The funding consultant will prepare strategies for each chapter of Prop 1, and identify the timelines and application requirements to position the JPA for success.	✓	✓
23	Conduct initial treatment analysis for meeting potable reuse regulations	Based on initial discussions with DDW and blending considerations from the operational storage study of Las Virgenes Reservoir, a conceptual treatment process will be developed.	✓	
24	On-going meetings with LADWP	Continuation of discussions to resolve issues and define the potential use of Encino Reservoir for recycled water.		✓
25	Formulate facility alternatives for each scenario	Facility plans for each project scenario will be developed and refined with staff input.	✓	✓
26	Prepare preliminary project descriptions for coordination with funding efforts	Project descriptions will be prepared to meet the needs of funding applications.	✓	✓
B4	**Board approval of supplemental water quality sampling plan**	**Based on discussions with RWQCB and DDW, supplemental water quality sampling may be needed to support regulatory approval of each scenario.**	✓	✓
27	Submit modification to IRWMP	Project descriptions must be incorporated into the LA IRWMP to allow projects to be eligible for Prop 1 funding.	✓	✓
28	Prepare initial water savings model	Water savings models will be prepared for both scenarios to determine actual water saved by each project.	✓	✓
29	Update website and conduct public outreach event	Continuation of public outreach, including planned event and NGO engagement.	✓	✓
		Fiscal Quarter 1, 2016		
B5	**Board update of project**	**The Board will receive an update on the selected scenarios each quarter.**	✓	✓
30	On-going negotiation with RWQCB for TWRF discharge permit, including reservoirs	Continuation of discussions for discharge permit.	✓	✓
31	Prepare Concept Study and submit to DDW	Based on water quality, reservoir blending, and treatment process analysis, prepare and submit a Concept Study to DDW to document approach to potable reuse.	✓	
32	On-going meetings with LADWP	Continuation of discussions to resolve issues and define the potential use of Encino Reservoir for recycled water.		✓
33	Conduct ROW and utility research to evaluate siting and alignment alternatives	Develop detailed information to evaluate alignment and siting alternatives.		✓
34	Conduct initial geotechnical assessments of siting alternatives	Develop detailed information to evaluate alignment and siting alternatives.	✓	✓
35	Develop initial control strategies	Develop control strategies for proposed facilities, including SCADA coordination and staffing requirements.	✓	✓
36	Finalize water savings model	Finalize draft water savings models for each scenario.	✓	✓

37	On-going discussions with DDW and Calleguas MWD	Meet to address issues with Concept Study and brine disposal.	✓	
38	Prepare schedule and cost analysis for each scenario	Complete project schedules and Class 4 cost estimates of proposed facilities.	✓	✓
W2	**Workshop #2**	**Present draft BODR to Board and stakeholders, including recommendation on the preferred scenario.**	✓	✓
39	Update website and conduct public outreach event	Continuation of public outreach, including planned event and NGO engagement.	✓	✓
40	Prepare RFP for selection of environmental consultant	Prepare scope and RFP for selection of environmental consultant.	✓	✓
41	Prepare financial planning model and CIP development	Financial planning model will provide insight into project timing, benefits of potential grant funding, and impacts on rates.	✓	✓
42	Prepare application for Prop 1 funding (planning)	Based on funding strategies developed earlier, prepare application(s) for submittal for planning elements of work CEQA must be completed before applications for design and construction can be submitted.	✓	✓
		Fiscal Quarter 2, 2016		
B6	**Board update of project, and acceptance of final BODR**	**The Board will receive an update on the selected scenario each quarter. Approval by the Board will allow the selected project to move forward to implementation.**	✓	✓
43	Negotiate agreement for Pilot Study	A pilot study will be needed to satisfy DDW and demonstrate treatment and control for potable reuse.	✓	
44	Submit application for Prop 1 funding for pilot study of potable reuse (if selected)	Pilot studies are eligible for funding under Prop 1.	✓	
B7	**Board approval of pilot study consultant and environmental consultant agreements**	**Board approval will allow CEQA, NEPA, and permitting work to begin. Board will approve initial pilot study plan.**	✓	✓
45	Prepare MOU with LADWP for use of Encino Reservoir	A formal MOU will define the terms of use for recycled water storage at Encino.		✓
46	Prepare annual update to the Plan of Action	The selection of a preferred scenario will allow the Plan of Action to be refined to focus on implementation.	✓	✓
47	Obtain approval of DDW for pilot study testing and sampling protocols	DDW will be engaged throughout the pilot study to ensure key concerns are addressed.	✓	
48	File Notice of Intent and complete initial study	Needed to begin environmental work.	✓	✓
49	Prepare project permitting handbook	Handbook will identify all local, county, state and federal permits required for implementation.	✓	✓
50	Initiate development of pilot plant testing protocols and design	Based on DDW comments, prepare the testing and sampling plan for the pilot plant and preliminary design drawings	✓	
51	Selection of pilot equipment, if Las Virgenes Reservoir scenario is selected	Pilot plant will provide data to obtain agreement with DDW on treatment and control for potable reuse. It may also have substantial benefit for public outreach program.	✓	
52	Update website and initiate public outreach event	Continuation of public outreach, including planned event and NGO engagement, and possibly involving the pilot plant.	✓	✓
53	Define project alternatives for environmental review and begin detailed analysis of biological, cultural, traffic, land use, etc. issues	Environmental studies should be fully underway.	✓	✓
W3	**Workshop #3**	**Conduct stakeholder engagement workshop and initial discussion of environmental concerns**	✓	✓
54	Prepare scope of work for preliminary design of facilities	Preliminary design should be scheduled for completion to coincide with CEQA approval.	✓	✓


Recycled Water Seasonal Storage Facility
Plan of Action - Year One
Board Approval of Feasability Study Agreement
8/3/2015
Board Update of project and approval of funding consultant agreement
10/5/2015
Board adoption of Plan of Action
7/6/2015
Board approval of supplemental water quality sampling plan
12/7/2015
Board update of project and aceptance of final Feasability Study
4/4/2016
Board update of project
1/4/2016
Board approval of pilot study consultant and environmental consultant agreement
5/2/2016
2015
Q3
Q4
Q1
2016
Q2
2016
11/2/2015
Workshop #1
2/1/2016
Workshop #2
6/6/2016
Workshop #3
Data Collection and Review
8/15 - 11/15
Reuse Studies
9/15 - 4/16
Siting and Alignment Studies
9/15 - 3/16
Feasability Study Report
12/15 - 4/16
Interagency Coordination
8/15 - 6/16
Funding Strategy and Finance Model
9/15 - 4/16
Permitting
7/15 - 6/16
Environmental
3/16 - 6/16
Outreach
7/15 - 6/16
Preliminary Design
6/16 - 6/16

ITEM 5A


Recycled Water Seasonal Storage Facility Plan of Action – Overall Project Schedule
Scenario 4 – Las Virgenes Reservoir
Basis of Design Report
7/1/2015 - 3/31/2016
Outreach
10/1/2015 - 12/31/2021
Permitting and Environmental
4/1/2016 - 6/30/2018
Pilot Study and Pre-Design
4/1/2016 -3/31/2017
Design
4/1/2017 - 6/30/2018
Bidding
7/1/2018 - 9/30/2018
Construction
10/1/2018 - 6/30/2021
Startup
4/1/2021 - 9/30/2021
2015
2015
2016
2017
2018
2019
2020
2021
2021
Today
Scenario 5 – Encino Reservoir
Basis of Design Report
7/1/2015 - 3/31/2016
Outreach
10/1/2015 - 12/31/2021
Permitting and Environmental
4/1/2016 - 6/30/2018
Pilot Study and Pre-Design
4/1/2016 - 3/31/2017
Design
4/1/2017 - 6/30/2018
Bidding
7/1/2018 - 9/30/2018
Construction
10/1/2018 - 6/30/2021
Startup
4/1/2021 - 9/30/2021

ITEM 5A

RECYCLED WATER SEASONAL STORAGE FACILTY

PLAN OF ACTION

DEVELOPMENT SUMMARY

June 19, 2015

Contents

Appendices

List of Abbreviations

AF – Acre Feet

BODR – Basis of Design Report

BPAT – Blink Prioritization Assessment Tool

DDW – Department of Drinking Water

DPR – Direct Potable Reuse

IPR – Indirect Potable Reuse

IRWSP – Integrated Regional Water Supply Plan

JPA – Joint Powers Authority

LVMWD – Las Virgenes Municipal Water District

MGD – Million Gallons per Day

MWH – Montgomery Watson Harza

PESTLE – Political, Economic, Social, Technical, Legal, Environmental

TMDL – Total Maximum Daily Load

TSD – Triunfo Sanitation Districts

TWRF – Tapia Water Reclamation Facility

RWQCB – Regional Water Quality Control Board

Project Authorization

The Las Virgenes –Triunfo Joint Powers Authority (JPA) retained MWH to provide professional engineering services to develop a Recycled Water Seasonal Storage Plan of Action. The JPA was established in 1964 by LVMWD and Triunfo Sanitation Districts (TSD) to cooperatively treat wastewater for the two agencies. This work is completed in fulfillment of a contract between JPA and MWH, dated December 8, 2014.

Project Background

Under the JPA, LVMWD and TSD operate and maintain the Tapia Water Reclamation Facility (TWRF). The TWRF has a treatment capacity of 12 mgd and currently treats about 10 mgd or 10,000 AF per year. To meet operational goals, the JPA started developing its recycled water system in the 1970's and since initial construction, has grown to serve roughly 6,000 AF of recycled water demands or 60% of TWRF annual outflows. Another 2,000 AF of recycled water demand must be met with supplemental potable and groundwater supplies. Due to seasonal demand imbalances, the remaining 4,000 AF is released to Malibu Creek. Wastewater inflows in 2035 are estimated to increase to 12 mgd, increasing the seasonal demand imbalance to 7,500 AFY.

Increasing regulatory and environmental requirements, especially stringent Total Maximum Daily Loads (TMDLs) on nitrogen and phosphorus, are making continued seasonal stream discharges to Malibu Creek problematic. At the same time, imported drinking water supplies are increasingly unreliable and costly due to drought, and imported water supply challenges. Over the years, a number of technical studies have been commissioned to investigate possible solutions, but these studies have not yet resulted in a viable path forward. The JPA commissioned the current Study to unify the Board, customers, and stakeholders around a common set of objectives, while allowing a Plan of Action to be developed around the most promising way forward.

Project Kickoff

The kickoff meeting for the Seasonal Storage Plan of Action project took place on December 8, 2014, and included LVMWD, TSD, and MWH staff, as well as the JPA Board of Directors. A slideshow presentation was given that highlighted project goals, structure, and schedule. An initial framework for the project was presented at the kickoff meeting. The project involved three workshop meetings with MWH staff, the JPA Board of Directors, and key stakeholders in the region. This presentation also laid out the first step in the project: individual interviews with each of the JPA Directors by MWH staff. **Appendix A** shows the slides as presented during the kickoff meeting.

Interviews with JPA Board

MWH conducted individual interviews with each of the JPA Directors in order to capture goals for the project, as well as capture previous work done on the project and lessons learned from previous projects. JPA Directors were interviewed on December 18th and 19th of 2014. Interviews were conducted over the period of one hour per interview and notes were taken to capture the Directors' responses. This information was used in subsequent phases of the project to inform the project team as to goals and limiting factors in delivering a Plan of Action upon project completion. In addition to the interviews, the JPA Board has also established a set of *Recycled Water Seasonal Storage Guiding Principles*. Common input received from the interviews and the Guiding Principles are presented in **Appendix B**.

Public Workshop Overview

The main activity of the Seasonal Storage Plan of Action project was to conduct public workshops with the JPA Board of Directors, LVMWD and TSD staff, and key stakeholders in the project. These workshops addressed project goals, potential implementation scenarios for the project, and issues that may impact project delivery. In order to capture this information and conduct the public workshops in an organized manner, the MWH team employed a PESTLE and BPAT management exercise. PESTLE, which stands for *Political, Economic, Social, Technical, Legal,* and *Environmental,* is a structured exercise that asks participants to list issues as they pertain to each of the six categories. This exercise is meant to foster participation from all workshop attendees, and to structure concerns into the six unique categories. These issues are then prioritized during the BPAT exercise. BPAT, which stands for *Blink Prioritization Assessment Tool,* asks participants to rank issues generated during the PESTLE exercise into order of importance, and gives a framework on what issues are most important to project success.

Public outreach for this project was divided into three workshops, each representing a distinct phases of the public acceptance process. The initial workshop focused on ***Context***. By taking the workshop participants through the PESTLE exercise in the first workshop, MWH and the LVMWD/TSD staff were able to get a better context of the issues surrounding the project. The second workshop focused on ***Convergence***. Using the BPAT process, the MWH team used the second workshop to converge the issues brought up during the PESTLE exercise into a select grouping of three to four issues per category that are most important to project success. Finally, the third workshop focuses on ***Affirmation***. The MWH team used the issues generated from the second workshop to develop several project configurations or ***Scenarios*** that were evaluated on their ability to deliver the project goals and overcome the project obstacles delineated in the first two workshops. The workshop participants are then able to view the project alternatives and provide feedback on them in order to affirm the issues have been addressed.

Workshop 1

Workshop #1 was held at the LVMWD Headquarters' boardroom in Calabasas, Calif. on Thursday, January 29, 2015 at 4:00pm. Workshop #1 focused on Context and collecting participant's concerns and thoughts of the overall project. The goal of the initial workshop was to introduce the public and key stakeholders to the project goals, project methodology, and to conduct the PESTLE exercise. The workshop included a slide show that provided project participants some background as to the state of water reuse, including a discussion of Direct Potable Reuse (DPR) and Indirect Potable Reuse (IPR). The presentation also discussed case studies in water reuse such as the Pure Water project in San Diego, Calif., and went into the current state of the LVMWD/TSD reuse system. **Appendix C** shows the slideshow as presented to the workshop participants.

PESTLE Exercise

The PESTLE exercise was conducted by MWH at Workshop #1. The MWH team formed six groups amongst the project participants and began soliciting issues for project success from the workshop attendees. Once the groups worked together to generate issues, the groups were then brought back together and PESTLE issues were listed on large presentation boards by the MWH team. These issues were discussed in order to capture which PESTLE category they best fit with and to group repeated issues together. These issues were later used as the basis with which to form a BPAT prioritization list in Workshop #2.

PESTLE Results

Once PESTLE issues were collected and grouped in Workshop #1, they were further organized and consolidated by the MWH team. A final list of all issues generated during the PESTLE exercise was generated and disseminated to the LVMWD project team for inclusion onto the project website (http://www.lvmwd.com/your-water/recycled-water/recycled-water-seasonal-storage). **Appendix D** shows a full list of the PESTLE issues generated during Workshop #1.

Workshop 2

Workshop #2 was the Convergence phase of the project, where issues developed previously were honed into performance metrics. Workshop #2 took place on Wednesday, February 11, 2015 at 4:00 pm, and provided an opportunity for the workshop attendees to review the PESTLE issues they had generated previously, as well as an opportunity for the MWH team to give presentations on topics chosen by the participants in the previous workshop. MWH presented information on the Malibu Creek watershed, as well as information on the role seasonal storage plays in a wastewater and recycled water system. Core issues of available recycled water supply, recycled water demand, and the imbalance between the two are key to understanding the need for seasonal storage. **Appendix E** shows the slides created for Workshop #2.

Four Concepts for Seasonal Storage

In addition to topic presentations and the BPAT exercise, four conceptual scenarios were also presented for participant feedback during the second workshop. The four scenarios illustrated the range of management strategies for addressing TWRF discharge to Malibu Creek, and included:

- Regional Water Quality Control Board (RWQCB) TMDL Compliance
- Recycle and Export
- Seasonal Storage
- Potable Reuse

These scenarios, presented in **Appendix F**, incorporate concepts of treatment, storage, and the development of new recycled water demands, which alone or in combination, can be used to achieve balance in the supply and demand for TWRF water. The Scenario Concepts were discussed during the workshop in an effort to better understand the stakeholders preferences and concerns regarding these conceptual management strategies. This information was considered when these Scenario Concepts were further developed for Workshop #3.

BPAT Voting Results

BPAT was used as a tool to take the large amount of information generated during the PESTLE exercise and distill it into the key issues for project success. The BPAT exercise was completed in two parts. The first part began with splitting the participants into four groups. Each group was given the full list of PESTLE issues as presented in **Appendix D**. Each group was asked to choose what they considered the three most important issues under each PESTLE category. The criteria for selecting these issues were factors that may affect project implementation. From this initial prioritization, the second phase of the exercise was to combine all issues selected by the four groups and create voting ballots for each PESTLE category. The participants were then given electronic polling devices and asked to vote for their most important issues. The results of this voting exercise were captured using TurningPoint voting cards and software and are presented in **Appendix G**.

The BPAT exercise yielded 19 issues, three for each PESTLE category except for "Environmental" which had four issues. These issues were used to refine and expand the number of project scenarios. They were also used to assess and rank the risk that each scenario would or would not satisfy that issue. These rankings were completed by MWH with input from LVMWD management staff. Each project concept scenario presented in Workshop #3 shows these rankings as red (high), yellow (moderate), and green (low), denoting the risk of not satisfying the PESTLE issue.

Workshop 3

Workshop #3 took place on Wednesday, March 18, 2015 at 4:00 pm, and included a short introduction and recap of previous workshops. The slides presented for Workshop #3 are shown in **Appendix H**.

Workshop #3 represented the ***Affirmation*** phase of the Seasonal Storage project. In this phase, the issues, rankings, and information collected during the first two workshops and Board of Director interviews were used to present six project scenarios. Each of these scenarios illustrated a plan for the future management of the JPA wastewater and recycled water resource, along with an assessment of how well they satisfied the PESTLE/BPAT issues, an approximate construction and operating cost, a schedule, and summary of tasks for implementation. The scenarios were shown on presentation boards in graphic format.

Each of the six alternatives presented to the participants of Workshop #3 are shown in **Appendix I**. A brief description of each of these scenarios is provided below.

Scenario 1 – TMDL Compliance with Advanced Nutrient Removal

This scenario would involve construction of an advanced nutrient removal facility of about 6 mgd capacity to meet more stringent future nutrient discharge requirements established by the RWQCB. This scenario would also require an associated brine line to convey concentrated brine to disposal, and a return pipeline to convey treated water back to the current point of discharge. This scenario does not result in additional water recycling and continues the current discharge to Malibu Creek.

Scenario 2 – New Seasonal Storage Reservoir and Reuse Partner

Scenario 2 calls for constructing a new recycled water storage reservoir to meet peak demands in the existing purple pipe system and store recycled water during times of low demand. This option would require a reuse partner or other new recycled water demand in order to fully balance seasonal differences in supply and demand.

Scenario 3 – New Seasonal Storage Reservoir and Direct Potable Reuse

Scenario 3 is similar to Scenario 2 in that it also calls for constructing a new recycled water storage reservoir. However, this scenario would utilize direct potable reuse (DPR) to create a new recycled water demand. Recycled water would be treated through a small DPR water treatment plant of about 6 mgd and delivered directly to the potable water distribution system. Regulations regarding DPR are still under development, so a temporary reuse partner may be needed until DPR use is accepted in the State of California.

Scenario 4 – Las Virgenes Reservoir (IPR)

This scenario would utilize LVMWD's existing potable water reservoir, Las Virgenes Reservoir, for seasonal storage and as an environmental buffer for indirect potable reuse (IPR). Recyceld water from TWFP would be conveyed through existing and expanded piping to a new IPR Water Treatment Plant of about 6 mgd capacity before being conveyed to Las Virgenes Reservoir. Once in the reservoir, the water would be mixed with existing surface water

supplies and eventually treated by the existing potable water treatment plant for delivery to the potable distribution system. This would be less reliant on regulation as IPR is already an accepted water resource practice in California.

Scenario 5 – Encino Reservoir for Seasonal Storage and Reuse Partner

Scenario 5 proposes the JPA use the currently inactive Encino Reservoir, owned by the Los Angeles Department of Water and Power (LADWP), in a scenario similar to Scenario 2. Water would be stored in Encino Reservoir during times of low demand, and used in peak months. This would also require a reuse partner, as well as a partnership with the Los Angeles Department of Water and Power (LADWP) for use of the reservoir.

Scenario 6 – Regional IPR with Encino Reservoir

Scenario 6 calls for using Encino Reservoir for seasonal storage and as an environmental buffer for indirect potable reuse (IPR). Recycled water from TWFP would be conveyed through new and expanded piping tot a new IPR Water Treatment Plant, and then conveyed to Encino Reservoir where it would be mixed with surface water supply. Water would be withdrawn and treated in a refurbished water treatment plant (also owned by LADWP) and conveyed back to the potable distribution system, or possibly sold to other agencies or cities in the San Fernando Valley.

Group Review and Comment

The scenarios described above and shown in **Appendix I** were displayed on easels for group review and comment during Workshop #3. The participants were split into six groups and each group viewed one of the Scenario boards for a period of 15 minutes. Participants elected a group leader and they took notes for the group, listing potential issues and listing their overall thoughts. Groups moved from board to board until they had seen all of them, and their notes were collected. **Appendix J** shows the notes taken by the project participants. These notes were considered by the JPA Board of Directors, who ultimately made the decision of which alternative scenario(s) to pursue.

Preferred Alternative

JPA Board of Directors Meeting April 6, 2015

The JPA Board met April 6, 2015 in order to discuss the previous workshops and choose a direction for the LVMWD and TSD customers. The board selected, by unanimous decision, to further investigate Scenario 4 and Scenario 5 for possible adoption. A plan of action for moving forward on the Recycled Water Seasonal Storage Project has been prepared from Workshop materials and discussion and is presented as a standalone document at the beginning of this report.

Appendices available upon request

July 6, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Woodland Hills Country Club Recycled Water System Extension: Preliminary Design and Environmental Review

SUMMARY:

On August 4, 2014, the JPA Board authorized the General Manager to execute a Cooperative Agreement with the Los Angeles Department of Water and Power (LADWP) for preliminary design and environmental review of the Woodland Hills Country Club Recycled Water System Extension, and issue a Request for Proposals (RFP) for preliminary design and environmental review following approval of the Cooperative Agreement by LADWP. The Cooperative Agreement was executed by LADWP on February 3, 2015.

On March 10, 2015, an RFP for preliminary design and environmental review of the project was sent to six consulting engineering firms. Following a mandatory pre-bid meeting on April 1, 2015, proposals were received from HDR, Inc. and RMC Water and Environment. LADWP and JPA staff thoroughly reviewed and evaluated the proposals. The evaluation focused on criteria outlined in the RFP, which included experience, expertise, project development and value engineering. Although both proposals were very competitive, LADWP and JPA staff agreed that the RMC proposal best addresses the project requirements.

RECOMMENDATION(S):

Accept the proposal from RMC Water and Environment and authorize the General Manager to execute a Professional Services Agreement, in the amount of $320,041, for the preliminary design and environmental review of the Woodland Hills Country Club Recycled Water System Extension.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The financial impact of this action is minimal because LADWP has agreed to reimburse the JPA for all consultant costs associated with the preliminary design and environmental review of the project, plus a 7.8% fee for administering the project. The total reimbursable amount paid by LADWP to the JPA shall not exceed $600,000. Additionally, LADWP will pay all capital costs for construction of the project, including those costs for the portion of the recycled water pipeline within the JPA's service area.

DISCUSSION:

The project consists of a 24,200-foot recycled water pipeline extension, with 5,300 feet within the JPA's service area, to serve the Woodland Hills Country Club (WHCC). The WHCC is expected to have a maximum annual demand of 250 acre-feet, and additional LADWP customers could be served by the pipeline extension in the future to increase the total demand by an additional 50 to 75 acre-feet per year.

To evaluate the proposals, a review committee was formed including representatives of both LADWP and the JPA. While both proposals were very well received by the committee, the evaluations showed that RMC's proposal was superior in addressing the project requirements. After evaluation of the proposals, the sealed fee proposals were opened, reviewed and discussed. The fee proposals are summarized as follows:

HDR: $254,300

RMC: $299,977 Customer Coordination Option: $20,064

After discussing the proposals and fees, the review committee decided to recommend that the JPA Board accept the proposal from RMC. The recommendation was based upon the thoroughness of RMC's proposal and the familiarity and comfort of working with RMC on recycled water systems in both agencies' jurisdictions. Also, RMC included an optional customer coordination item to identify potential recycled water customers along the length of the project as well as refine conflicting data within the existing reports to better define the actual demands of customers. RMC proposes to review prior potable water records and meet with the customers to define their recycled water needs, demand requirements, pressure requirements, and any special water quality or other needs that may preclude the use of recycled water.

The scope of work includes two major tasks: (1) preparing the preliminary design, and (2) providing an appropriate level of environmental review to satisfy CEQA requirements and enable future construction and operation of the improvements. The scope also includes consideration of the potential use of Encino Reservoir for seasonal storage of recycled water while considering the pipeline sizing. RMC also proposed a "CEQA-plus" approach to position environmental review well to address NEPA requirements should federal funding become an option. The completed preliminary design report will enable efficient completion of the necessary plans and specifications for the bidding process to construct the proposed facilities. The environmental review will result in preparation of a document to satisfy statutory CEQA requirements.

Staff recommends that the JPA Board accept the proposal from RMC in the amount of $320,041, including the optional item for customer coordination. Attached for reference are copies of the LADWP-JPA Cooperative Agreement, RMC Proposal - Scope of Work and RMC Proposal - Fee.

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

ATTACHMENTS:

LADWP-JPA Cooperative Agreement

RMC Proposal - Scope of Work

RMC Proposal - Fee

DUPLICATE ORIGINAL

AGREEMENT NO. WR-14-1059 BETWEEN THE CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER AND LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY FOR PRELIMINARY DESIGN AND ENVIRONMENTAL REVIEW FOR RECYCLED WATER SERVICE TO THE LOS ANGELES WOODLAND HILLS AREA

THIS AGREEMENT NO. WR-14-1059 (hereinafter referred to as "Agreement") is made and entered into by and between the City of Los Angeles, hereinafter called "City", acting through its Department of Water and Power, hereinafter called "LADWP" and the Las Virgenes - Triunfo Joint Powers Authority, hereinafter called "JPA" (both LADWP and JPA being hereinafter referred to as " Party" or "Parties").

RECITALS

WHEREAS, the use of recycled water in Southern California is desirable to reduce the dependency upon imported supplies, and to increase the overall reliability of water supplies to the region; and

WHEREAS, the City and JPA have programs in place to reduce the demand for imported water and substantially increase the use of recycled water; and

WHEREAS, preliminary design and environmental review for a pipeline extension from JPA service territory to the Woodland Hills area of Los Angeles will be required in order for JPA to serve LADWP; and

WHEREAS, LADWP internal labor forces do not have the resources to conduct the preliminary design and environmental review of the pipeline extension; and

WHEREAS, JPA will bid out and award a consultant to perform the preliminary design and environmental review and the award of the contract must be agreed to by the Parties in order for the project to move forward; and

WHEREAS, upon completion of the Agreement, and execution of a separate agreement defining the terms for the final design and construction and for the supply and purchase of water, JPA will provide recycled water at the cost of wholesale recycled water plus a potable supplement component, which is currently estimated at $670 per acre-foot; and

WHEREAS, upon the completion of the Agreement, a separate agreement will be created to execute the final design and construction of the pipeline extension.

NOW, THEREFORE, in consideration of the foregoing and the benefits, which will accrue to the Parties hereto, it is understood and agreed by and between the Parties hereto as follows:

ARTICLE 1 – PURPOSE

1.1 This Agreement sets forth the terms by which the parties will cooperate in the preparation of a preliminary design and environmental review under the California Environmental Quality Act ("CEQA") for recycled water service to Woodland Hills Country Club and other customers along the proposed pipeline route (the "Proposed Project").

1.2 The Proposed Project involves the sale of recycled water to LADWP from the JPA. The facilities include the extension of the recycled water line from JPA's eastern service area to the Woodland Hills Country Club. The proposed alignment consists of 18,900 linear feet of pipeline in the LADWP service area and 5,300 linear feet of pipeline in the JPA service area. The JPA will be responsible for completing the necessary preliminary design for the facilities and for preparing the environmental documents. LADWP will reimburse the JPA for the cost of the preliminary design and environmental documentation per Section 5 of the Agreement. The JPA will hire a consultant to do the design and CEQA. Facilities within the JPA service area will be owned and operated by the JPA and facilities within the City will be owned and operated by LADWP.

ARTICLE 2 – CEQA AGENCY DEFINITIONS

2.1 The JPA shall act as lead agency in the preparation of environmental documents for the Proposed Project.

2.2 LADWP is a responsible agency, with duties as defined in Section 15096 of the California Code of Regulations ("CCR"), with respect to the Proposed Project.

ARTICLE 3 – PRELIMINARY DESIGN

3.1 The JPA shall prepare a Preliminary Design Report for the Proposed Project in order to support the CEQA analysis and identify construction impacts. The general layout of the Proposed Project is shown on Exhibit A. Facilities within the service area of the JPA shall be designed to JPA standards. Facilities within the service area of the City shall be designed to LADWP standards.

3.2 The Preliminary Design Report shall include, but not be limited to, Proposed Project description, alignment study with proposed and alternative route(s), engineering estimate, estimated construction duration, field investigations (surveying, geotechnical, archaeological, traffic, paleontology, right of way, underground utilities, field reconnaissance), and identification of potential construction issues and constraints (permits, utility conflicts, easements, working hours, connection to existing system, mitigation measures implementation).

3.3 Consultant shall take design standards into account in preparation of their proposals. No additional funds shall be available at a later date should a consultant decide LADWP design standards require additional efforts.

ARTICLE 4 – CEQA DOCUMENTS

4.1 JPA shall prepare and circulate a CEQA Initial Study on the Proposed Project.

4.2 JPA shall prepare necessary level of CEQA documents as determined by the Initial Study.

4.3 LADWP shall retain the right to review and approve the deliverables before finalization of the CEQA documents.

4.4 The Parties will consider the Environmental Impact Report (EIR) or negative declaration prepared by the JPA, and each will reach its own conclusions on whether and how to approve the Proposed Project, following the process defined in Section 15096 of the CCR. This Agreement is not an approval of, or commitment to, the Proposed Project. There will be no Proposed Project without CEQA compliance.

ARTICLE 5 – COSTS

LADWP agrees to reimburse JPA a total amount not to exceed $600,000 for the cost of preparing the Initial Study, including the preliminary design and CEQA documentation, in accordance with the terms and conditions of this Agreement. This reimbursement includes the entirety of the consultant invoices and up to an additional 7.8% as administrative fees to the JPA.

ARTICLE 6 – OTHER COST CONSIDERATIONS

6.1 Upon completion of the Proposed Project, and execution of a separate agreement defining the terms for the final design and construction and for the supply and purchase of water, LADWP will purchase recycled water from the JPA at their wholesale-recycled water rate plus a potable supplement component. This total rate is currently estimated at $670 per acre-foot.

6.2 Prior to the start of construction, LADWP shall apply for Metropolitan Water District Local Resources Program (LRP) funding for the Proposed Project. Should LADWP be successful in receiving LRP Proposed Project funding, all funds received shall accrue solely to LADWP.

6.3 LADWP reserves the sole right to pursue state and federal funding, with the exception of funding for the facilities within the JPA service area described in 6.4. All funds received shall accrue solely to LADWP, with the exception of funding received for the facilities within the JPA service area described in 6.4.

6.4 Should Las Virgenes Municipal Water District (LVMWD) decide to serve its customers by tapping into the LADWP owned portion of the Proposed Project pipeline, it shall pay for a LADWP metered service to be located at the jurisdictional limit of the City. LVMWD shall also pay for the capital construction of the pipeline, lateral or service line from the LADWP's meter to the LVMWD customers within the LVMWD's service area. LVMWD shall also be responsible for operating and maintaining the pipeline, lateral or service line. LADWP's water usage will be calculated by subtracting LVMWD's usage through the LADWP meter from total water taken by LADWP through the Proposed Project pipeline. LVMWD shall use no more than 40 acre-feet per year (AFY) through such a connection.

ARTICLE 7 – INVOICES

7.1 JPA shall invoice LADWP for work performed monthly. The invoice shall be received by LADWP no later than the 25th day of the month for work performed in the previous month. Invoice documentation shall state such services as were performed. Documentation shall include the following:

a. Task assignment.
b. Hours worked by individuals.
c. Individual's total labor cost per-hour.
d. A summary of hours spent in the reporting period and the total costs accrued to date.
e. JPA administration costs.

7.2 LADWP shall make payment within 60 days after the original invoice is received by LADWP.

7.3 JPA will submit with each reporting period's invoice a progress report containing a brief summary of all activities accomplished on each active task. The report shall describe the progress toward the completion of each task and shall include the following:

a. A summary of work accomplished during the current reporting period.
b. A summary of work scheduled for the next period.
c. A summary of key issues and cost impacts.
d. An estimate on what percentage of the work has been completed.

7.4 Invoices and progress reports shall be submitted to:

Water Recycling Planning
Los Angeles Department of Water and Power
111 North Hope Street, Room 1336
Los Angeles, CA 90012
Attention: Ms. Susan R. Rowghani
Susan.Rowghani@ladwp.com

To expedite payment processing, invoices may be sent by e-mail to the above address. Original copies delivered by regular mail services shall follow correspondence transmitted by e-mail. LADWP shall notify the JPA by mail if there is a change to the mailing and/or e-mail address above.

ARTICLE 8 – MISCELLANEOUS

8.1 The JPA shall prepare a Request for Proposals and involve LADWP in the selection process, including presentations by preferred consultants, before hiring consultant to prepare environmental documents and the preliminary design. This Agreement may be terminated by either party if the parties do not agree on the award of the contract.

8.2 The consultant shall conduct monthly meetings with both JPA and LADWP staff to allow both agencies to review work completed.

8.3 Neither Party shall bear any liability to the other Party for any third party liabilities that may arise during this preliminary design and environmental review Agreement. The JPA shall require the selected consultant to indemnify, defend, and hold harmless both Parties to this Agreement for any and all liabilities that may arise during the performance of consultant's scope of work due to any acts, errors, or omissions on the part of the consultant.

8.4 Upon the successful preparation of a preliminary design and environmental documents, if those are approved by the Parties, the Parties shall meet and confer to develop an agreement to implement the design and construction phases of the Proposed Project. That agreement will be subject to approval by the Board of Water and Power Commissioners and the JPA.

8.5 The Parties agree LADWP and the JPA shall jointly own and retain the rights to any and all deliverables, data, and/or work products associated with the environmental review, including the preliminary design and CEQA documentation for the Proposed Project.

8.6 This Agreement for Cooperative Environmental Review is not in and of itself a project, as that term is defined in Section 15378 of the CCR. It is an agreement for government fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment, and is, therefore, exempt from CEQA requirements.

ARTICLE 9 – TERM

The Agreement is effective for one year upon the execution of the Agreement unless the work listed in the Agreement is completed and paid for by LADWP beforehand. The term of the Agreement may be extended up to two years if mutually agreed upon by both Parties.

IN WITNESS WHEREOF, the Parties thereto have executed this Agreement to be executed by their duly authorized representatives.

LAS VIRGENES– TRIUNFO
JOINT POWERS AUTHORITY

By: David W. Pedersen
DAVID W. PEDERSEN
Administering Agent/General Manager

Date: 11/11/14

ATTEST:

By: Daryl Betancur 11/11/14
DARYL BETANCUR
Clerk of the Board

APPROVED AS TO FORM:

By: _____
WAYNE K. LEMIEUX
Legal Counsel

IN WITNESS WHEREOF, the Parties thereto have executed this Agreement to be executed by their duly authorized representatives.

DEPARTMENT OF WATER AND POWER
OF THE CITY OF LOS ANGELES BY
BOARD OF WATER AND POWER COMMISSIONERS
OF THE CITY OF LOS ANGELES

By: _____
MARCIE L. EDWARDS
General Manager

Date: 2/3/15

And: _____
BARBARA E. MOSCHOS
Secretary

APPROVED AS TO FORM AND LEGALITY
MICHAEL N. FEUER, CITY ATTORNEY

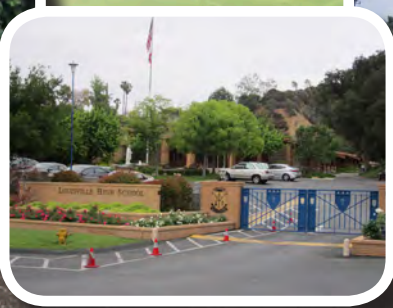
NOV 17 2014

BY _____
ERIC ROSENBLATT
DEPUTY CITY ATTORNEY

AUTHORIZED BY RES. 015 124
JAN 20 2015

Section 2

Scope of Work



Task 1 | *Data Collection, Review, and Utility Research*

1.1 Data Collection and Review

RMC will prepare a data request list for the JPA and LADWP that will include (but not be limited to) existing pipeline and facility information (as-builts and utility mapping), previous reports related to the Project, available archeological survey documentation that pertains to cultural resources within the Project area, inter-agency agreement(s), the existing JPA recycled water distribution system hydraulic model, GIS data, potable water pressure zone information for each customer, recent pipeline bid tabulations and cost data for the JPA and LADWP, and geotechnical reports within the vicinity of the Project. RMC will maintain and update the data request list as additional needs are identified and data are received. Data received will be reviewed and assumptions developed for key data gaps.

1.2 Utility Research

RMC will transmit a letter and map requesting utility mapping from each utility agency identified through DigAlert ('A' letter). RMC will obtain and catalog utility data received using a filing system that will be easily transmitted to the final design team. Information for utilities owned by the City of Los Angeles will be obtained using the City's Navigate LA software where possible. Information not available on Navigate LA will be requested separately.

Task 1 Assumptions:

- LADWP will provide access to all available information on its Navigate LA platform
- JPA and LADWP will provide information in electronic format.

Task 1 Deliverables:

- Utility Mapping Files (pdf files delivered on CD upon completion of the project)
- Log of utility contacts and data provided

Task 2 | *Alignment Evaluation*

2.1 Alignment Evaluation

RMC will evaluate up to three alternative alignments in comparison to the proposed alignment established in the Woodland Hills Country Club Recycled Water Service Study prepared by AECOM. It is anticipated that the alternatives will include two alternatives identified in the AECOM study (Park Capri/Park Sienna/Park Ora/Valmar, and Brenford Road alignments), and a third alternative identified by RMC within San Feliciano Drive to avoid construction in State Route 27.

The final alternative alignments to be evaluated will be selected with input from the JPA and LADWP at the project kickoff meeting. Alignments will be evaluated based on utility congestion, available right-of-way or easement requirements, seismic hazards and subsurface conditions (see subtask 2.2), hydraulic

considerations, permitting requirements, traffic and constructability issues, cost and environmental considerations. The engineering team will spend one day in the field driving the alignment and walking the alignment in key areas.

A Technical Memorandum (TM) will be prepared and will include:

- Evaluation criteria and methodology
- Alignment alternatives presented on an aerial imagery background
- Descriptions of alternatives using the evaluation criteria
- Cross sections at key locations showing existing right of way, paving, curb and gutter and utilities
- Evaluation matrix and discussion
- Recommended alignment for review and comment by JPA and LADWP staff

The Alignment Evaluation TM and comments will be included as an appendix to the Preliminary Design Report prepared in Task 5.

2.2 Geotechnical Evaluation

Site Reconnaissance - RMC's geotechnical subconsultant, Fugro West Inc. (Fugro), will conduct site reconnaissance to observe and photograph surficial geologic and topographic characteristics along the base pipeline alignment and alternative alignments. Features of interest may include bedrock outcrops, potentially unstable slopes, and other factors that may provide information about the underlying soil and groundwater conditions.

Data Review - To gain an understanding of the general subsurface conditions along the project alignment, Fugro staff will review published reports and geologic maps in their files as well as those made available by LADWP and the JPA. Fugro will also review selected sets of stereo-pair aerial photographs for the project study area to look for evidence of landslide geomorphology. Findings will be summarized on maps indicating the base and alternative project alignments relative to local geology and geohazards that may impact the project. The regional seismic setting will be described, including likely controlling faults and ground accelerations.

Geotechnical Evaluations - Fugro staff will perform preliminary cursory evaluations to assess potential seismic and slope stability issues that may impact the project. In the absence of subsurface exploration data along the alignment, evaluations performed for this phase of work will be based upon conservative assumptions.

Report - The work performed during site reconnaissance, data review, and geotechnical evaluations will be summarized in a brief geotechnical report that will include maps indicating base and alternative alignments with respect to local landmarks, geology, and geohazards. The report will provide preliminary geotechnical engineering-related opinions and recommendations regarding the following:

- Description of regional and local geology, and anticipated soil, rock and groundwater conditions based on data review;
- Preliminary assessment of seismic setting and geologic hazards potentially affecting the site, including strong ground motion, surface fault rupture, liquefaction-related phenomena, and landsliding; and
- Preliminary considerations for design and construction of the proposed pipeline using cut-and-cover and trenchless technology methods.

2.3 Traffic Evaluation

RMC's traffic subconsultant (DKS Associates) will provide a high level assessment of the traffic impacts associated with the baseline alignment and three alternative alignments. The assessment will include a review of the impacts to maintaining traffic during construction, impacts to existing traffic signal infrastructure on street parking, transit accessibility, bicycle/pedestrian facilities and access to adjacent residential and commercial driveways.

RMC's team will rank the alternative alignments based on the above design considerations as they relate to the impacts on mobility through the communities. A TM will be developed to support the alignment evaluation based on a traffic impact assessment and will be incorporated by RMC into the alignment evaluation.

Task 2 Deliverables

- *Draft Alignment Evaluation TM (Electronic pdf files delivered via email or ftp, up to ten hard copies), Final recommendations and comments to be incorporated into Preliminary Design Report.*
- *Draft Geotechnical Evaluation Report (Electronic pdf files delivered via email or ftp,, up to ten hard copies)*
- *Final Geotechnical Evaluation Report (Electronic pdf files delivered via email or ftp, up to ten hard copies)*
- *Draft Traffic Evaluation TM (Electronic pdf files delivered via email or ftp, up to ten hard copies). Final recommendations and comments to be incorporated into Preliminary Design Report.*

Task 3 | *Hydraulic Evaluation*

3.1 Recycled Water Delivery Scenarios Development

RMC will review the existing LVMWD and City of Los Angeles Non-Potable Reuse 2012 recycled water hydraulic models to obtain pertinent information for developing conveyance scenarios. RMC will develop up to six recycled water conveyance scenarios that will take into account potential customer demand profiles, operational storage scenarios, and seasonal storage configurations. Included for each scenario will be recycled water demand requirements, including a list of customers that will be served and their average annual demand, maximum day demand and peak hourly demand based on estimated usage patterns; operational storage assumptions (operational storage at the large customer sites or within the LADWP service area for future projects); customer service pressure requirements; and seasonal storage assumptions.

Customer demand information will be based on previous studies, including the City of Los Angeles Non-Potable Reuse Master Planning Report (RMC 2012), the Woodland Hills Country Club Recycled Water Service Study (AECOM 2011) and other reports made available by LADWP and the JPA. RMC will work with the JPA and LADWP to determine the best source(s) for demand information and the demand values that will be used in the hydraulic evaluation. As an optional task (See Task 7), RMC will assist the JPA with customer coordination to further refine recycled water demands and service requirements for specific users.

Seasonal storage scenarios will be developed based on the most current information obtained from the Recycled Water Seasonal Storage Facility Plan of Action currently being conducted by MWH for the JPA. RMC will review available materials and coordinate with the JPA and LADWP to determine the most likely scenarios that will be considered further.

Operational storage scenarios will be developed by RMC to provide flexibility in pipe sizing. Since seasonal storage may allow main transmission and sub-transmission lines to deliver maximum day demand to storage facilities in lieu of peak hour demand directly to customers (dependent on location of storage), seasonal storage scenarios could allow for smaller pipe sizing of the main pipeline.

RMC will prepare a TM defining these hydraulic modeling scenarios for review by the JPA and LADWP prior to developing the model inputs. The scenarios will be refined after review and a workshop (conducted under Task 6) and up to four scenarios will be used to evaluate and define pipe sizing for the pipeline to Woodland Hills Country Club as part of Task 3.2

3.2 Hydraulic Evaluation and Modeling

Based on the four scenarios recommended for further evaluation in Task 3.1, RMC will obtain boundary conditions from the LVMWD hydraulic model including flow and pressure, and incorporate these boundary conditions into the existing LADWP Non-potable reuse model for the Woodland Hills/Pierce College recycled water facilities. This model uses the program InfoWater which uses an ArcGIS interface. This will create a tool for evaluating the system from the standpoint of hydraulic parameters, facility inventory and other GIS functionalities.

The facilities and customer demand data and patterns will be adjusted based on direction from LADWP and the JPA. Seasonal storage facilities (if included in a recommended scenario) will be incorporated as a single demand node and/or supply node (as applicable) at the appropriate location off of the system. Each scenario will be evaluated for the peak demand, the peak seasonal storage delivery scenario, and the worst case scenario for water age when only the Woodland Hills Country Club is on line and the pipeline is therefore oversized for those demands. This will result in a total of up to 12 model runs.

A brief description will be prepared for each scenario along with results of the evaluation and reported in a TM. The TM will make a recommendation for the pipeline diameter from LVMWD to Woodland Hills Country Club that will provide flexibility and hydraulic capacity for future conditions (seasonal storage and future customer demands).

Task 3 Assumptions

- Customer demands and peaking factors will be based on previous reports, or updated values provided by the JPA or LADWP.
- Refinement of major customer demands could be performed under optional Task 7.
- Seasonal storage assumptions will be based on direction from the JPA. Any additional revisions made to those initial assumptions (directed by the JPA) would be considered beyond the scope of the Project.
- JPA will provide the boundary conditions (flow and pressure) at the connection point to the LVMWD system for input into the hydraulic model.
- Hydraulic evaluation will assume that the JPA can meet the flow and pressure requirements at an upstream boundary. No analysis of existing JPA facilities upstream of the Cordillera Tank is included in the scope.

Task 3 Deliverables

- Draft and Final Recycled Water Delivery Scenarios TM (Electronic pdf files delivered via email or ftp, up to ten hard copies)
- Draft and Final Hydraulic Evaluation and Modeling TM (Electronic pdf files delivered via email or ftp, up to ten hard copies)

Task 4 | *Preliminary Design*

Using the results from Tasks 1 through 3, RMC will develop preliminary design information and criteria for the proposed pipeline from the LVMWD service area to Woodland Hills Country Club.

4.1 Pipeline Material Evaluation and Recommendations

- RMC will evaluate potential pipeline materials for use within each service area, including the following scenarios:
  - PVC pipeline in the JPA service area and ductile iron pipe in the LADWP service area
  - PVC pipeline in both the JPA and LADWP service areas
  - Cement mortar lined and coated steel pipe in the JPA service area.

RMC will also evaluate other relevant pipeline material scenarios based on installation techniques, pressure requirements, and seismic hazards identified as part of other tasks in this scope of work. Evaluation will include preliminary cost estimates for each scenario that break out material and installation costs, backfill requirements, material limitations, material applicability and availability, potential long-term performance and O&M considerations, and risk of failure.

4.2 Pipeline and Appurtenance Design Criteria and Standards

RMC will develop recommendations for pipeline material standards; pressure rating requirements; isolation valve type, spacing and standards; air valve locating requirements, type and standards; blowoff location requirements, type and standards; trench requirements including bedding and backfill; joint restraint requirements; corrosion protection considerations; and vertical and horizontal alignment criteria and separation from existing utilities. These criteria will be developed for each service area and will adhere to the respective agency design and installation standards, but they will also include project-specific criteria where applicable. Recommendations will be made for standardizing certain criteria across both agency boundaries where this approach would result in potentially significant construction cost savings.

4.3 Permitting, Traffic Control and Right of Way Requirements

RMC will identify agencies having jurisdiction over the installation of the Project and will contact those agencies to identify contact information, permitting requirements including application requirements, fees, review/approval process and schedule.

RMC will develop preliminary recommendations for traffic control based on the proposed alignments, including the potential for lane or road closures and identification of specific traffic control requirements for the agency having jurisdiction over the roadway (primarily City of Los Angeles, City of Calabasas and Caltrans).

RMC will identify right of way or easement acquisition requirements for the Project for areas outside of the public right of way, including but not limited to the potential to cross the Motion Picture Hospital property. See optional task 7 for information regarding meeting support for private owners to discuss easement requirements.

4.4 Preliminary Drawings

RMC will prepare preliminary drawings for the proposed pipeline from the LVWMD system to the Woodland Hills Country Club. The preliminary drawings will include general sheets and plan and profile

drawings at 1"=100' horizontal scale and 1"=10' vertical scale when printed on 11"x17" paper. Plan view will include an aerial photograph background and the following:

- Proposed pipeline alignment and diameter
- Preliminary isolation valve locations
- Preliminary air valve and blowoff locations
- Approximate right of way and property lines from GIS
- Right of way width
- "Wet utilities" (see below) based on pdf mapping obtained in Task 1

Preliminary profiles will show approximate ground elevations based on GIS contour data and/or elevation data from available sources, major utility or creek crossings (30-inch diameter and larger pipes), and the proposed pipeline at a minimum depth of cover.

RMC will depict the "wet utilities" on plan and profile drawings, including water mains, storm, and sanitary sewers. RMC will also show major dry utilities in plan view such as high pressure and large (8-inch and larger) gas transmission mains and petroleum pipelines. Remaining utility information, including dry utilities, will be used to identify areas of significant utility congestion as part of the alignment evaluation. The evaluation will identify a "slot" within the roadway for the proposed pipeline and at least one cross section will be shown at key locations on each plan and profile sheet.

The intent of plan and profile drawings is to identify the best alignment for the pipeline, identify major utility crossings, provide a basis for CEQA evaluation and traffic impacts, assist in preliminary permitting discussions, and provide a basis for construction cost estimating. The drawings will not be suitable for competitive bidding or construction. Other information not described above but typically shown on final design drawings will not be shown.

The table below is a list of anticipated drawings for the preliminary design.

List of Preliminary Design Drawings		
Sheet #	DWG	Title
1	G-1	Title Sheet
2	G-2	Abbreviations and Legend
3	G-3	Location Map and Sheet Index
4	G-4	Hydraulic Grade Line
5 to 19	PP-1 to PP-15	Pipeline Plan and Profiles

4.5 List of Specifications, Project Schedule and Cost Estimate

RMC will develop a list of technical specifications that would likely be required for the final bid documents. RMC will develop a project schedule in Microsoft Project Gantt Chart format that will include the remaining project implementation tasks following preliminary design and CEQA, including permitting, final design and construction. RMC will prepare a cost estimate for the project. The estimate will be a Class 3 (+/-10-40% project definition) as defined by the AACE International Recommended Practice 56R-08.

4.6 Preliminary Design Report

RMC will prepare a preliminary design report summarizing the work performed in Task 4. Preliminary Drawings in 11"x17" format and all TMs prepared for Tasks 1 through 4 will be provided as Appendices to the report. The report will be submitted in draft form, RMC will attend a workshop with the JPA and LADWP (See task 6), receive comments, and finalize the report.

Task 4 Assumptions

- Vertical and right-of-way information is approximate and not suitable for design or property acquisition purposes.

Task 4 Deliverables

- Draft Preliminary Design Report (Electronic pdf files delivered via email or ftp, up to ten hard copies)
- Final Preliminary Design Report (Electronic pdf files delivered via email or ftp, up to ten hard copies)

Task 5 | *CEQA-Plus Mitigated Negative Declaration*

RMC will prepare a Mitigated Negative Declaration (MND) for the Project in compliance with the California Environmental Quality Act (CEQA). RMC recommends including federal cross-cutting analysis in the MND, often referred to as "CEQA-Plus" documentation, which provides the JPA with streamlined CEQA clearance should federal or State Revolving Fund financing be sought for construction. The work will be completed under the following tasks.

5.1 Project Description and Initial Study

RMC will prepare a project description suitable for CEQA compliance based on information provided by the engineering team as the preliminary design progresses. An electronic copy of the project description will be provided to the JPA for review. Once the JPA has approved the project description, RMC's team will conduct a site reconnaissance to identify existing land uses and environmental conditions within the project area.

RMC will prepare an Initial Study in compliance with Appendix G of the CEQA Guidelines that identifies the potential environmental impacts of the Project, including brief supplemental comments which concisely describe those impacts and identify where mitigation is necessary. The Initial Study will be organized by CEQA resource category and impacts will be identified for each project component. This scope of work assumes that completion of an Initial Study will result in the conclusion that an MND is the appropriate CEQA compliance document for the proposed Project.

5.2 Environmental Investigations

RMC's team will prepare a stand-alone Biological Resources Assessment that identifies and assesses potential impacts to biological resources from the Project. Preparation of the Biological Resources Assessment will include general site surveys to characterize vegetation and sensitive species that may occur adjacent to Project facilities. The Biological Resources Assessment will evaluate the Project's compliance with federal biological resource regulations.

RMC's team will prepare a stand-alone Cultural Resources Assessment that identifies and assesses potential impacts to archeological, paleontological, and historical resources from the Project. Preparation of the

Cultural Resources Assessment will include pedestrian surveys to determine the potential occurrence of archeological and cultural resources adjacent to Project facilities. A separate Section 106 Format Technical Report for use in National Historic Preservation Act consultation will be prepared.

RMC will complete a stand-alone General Conformity Report for the Clean Air Act which addresses construction and operational air quality emissions in accordance with federal standards.

5.3 Prepare Administrative Draft MND

After the JPA has reviewed the Initial Study and determined that an MND is the preferred approach for CEQA compliance, RMC will expand on the Initial Study to prepare a more detailed description of environmental setting and an analysis of the potential environmental impacts of the Project. The supplemental comments will provide a clear description of the site conditions, methodology used to assess impacts, potential severity of impacts, and mitigation measures as needed to reduce potential impacts to less-than-significant levels. The MND will also identify necessary permits with other State and local public agencies that might be affected by the Project.

Findings from the Biological Resources Assessment, Cultural Resources Assessment, General Conformity Report, Geotechnical Evaluation, and Traffic Evaluation (under Tasks 2 and 5, above) will be incorporated into the MND. An electronic copy of the Administrative Draft MND will be provided to the JPA for review.

5.4 Prepare Public Draft MND and Notices

RMC will respond to comments received from JPA staff and revise the Administrative Draft MND accordingly for review as the Screencheck Draft MND. An electronic copy of the Screencheck Draft MND will be provided to the JPA for review. RMC will respond to final comments received from JPA staff and finalize the Screencheck Draft MND accordingly for release as the Public Draft MND. This scope of work assumes that JPA comments received on the Screencheck Draft MND will be limited to editorial and formatting changes, not new substantive analysis. An electronic copy and up to 10 hard copies of the Public Draft MND will be provided to the JPA.

RMC will prepare a draft Notice of Intent (NOI) to adopt an MND in accordance with CEQA Guidelines §15072. RMC will work with the JPA to identify the list of interested parties and responsible agencies who will receive the NOI. RMC will finalize and publish the NOI in the newspaper and will be responsible for reproduction and distribution of the NOI to interested parties, responsible agencies, the County Clerk, and the State Clearinghouse.

5.5 Prepare Final MND, Mitigation Plan, and Notices

Following receipt of public comments, RMC will develop a matrix of comments received and recommended responses. As necessary and directed by the JPA, RMC will revise the Public Draft MND based on comments received during the public review period. An electronic copy of the Public Draft MND will be provided to the JPA. This scope of work assumes that the Final MND revisions will not result in identification of significant environmental effects and thus will not require recirculation of the document.

RMC will prepare a Mitigation Monitoring and Reporting Program (Monitoring Plan) that contains the measures that are required as conditions of project approval to avoid or reduce potential environmental impacts to less-than-significant levels. For any significant impact identified in the MND, the Monitoring Plan will describe the required mitigation, the tasks and schedule necessary for monitoring compliance, and the

entity responsible for each monitoring and reporting task. An electronic copy of the Draft Monitoring Plan will be provided to the JPA for review. RMC will respond to comments received from the JPA and revise the Monitoring Plan accordingly. An electronic copy of the Final Monitoring Plan will be provided to the JPA.

RMC will prepare a draft Notice of Determination (NOD) following approval of the Project, in accordance with CEQA Guidelines §15075. Following JPA review, RMC will finalize and transmit the NOD to the County Clerk and State Clearinghouse.

5.6 Communications and Presentations

RMC will prepare for and attend up to three project meetings with the JPA at key points throughout the project. The meetings are anticipated to include the following:

1. To receive JPA comments on the Administrative Draft MND (staff meeting)
2. To discuss public comments received on the Public Draft MND (staff meeting)
3. To present the Final MND and Monitoring Plan to the Board of Directors (public hearing)

RMC will prepare an agenda and meeting notes for each staff meeting and a presentation for the Board hearing. At a minimum, RMC's CEQA task lead will attend each meeting. It is assumed that other project coordination can occur via email and conference calls, which may also include web-based presentations.

Task 5 Deliverables

- Draft and final Project Description (Microsoft Word and/or .pdf files)
- Draft and final Biological Resources Assessment (Microsoft Word and/or .pdf files; Hard copies as appendix to Public Draft MND)
- Draft and final Cultural Resources Assessment (Microsoft Word and/or .pdf files; Hard copies as appendix to Public Draft MND)
- Draft and final General Conformity Report (Microsoft Word and/or .pdf files; Hard copies as appendix to Public Draft MND)
- Administrative Draft MND for JPA review (Microsoft Word and/or .pdf files)
- Screencheck Draft MND for JPA review (Microsoft Word and/or .pdf files)
- Draft and final Notice of Intent (Microsoft Word and/or .pdf files; Hard copies mailed to interested parties, responsible agencies, County Clerk, and State Clearinghouse)
- Public Draft MND and cover letter to the State Clearinghouse for City reproduction and distribution (Microsoft Work and/or .pdf files and up to 10 hard copies)
- Final MND for JPA approval and certification (Microsoft Word and/or .pdf files and up to 10 hard copies)
- Draft and final Monitoring Plan (Microsoft Work and/or .pdf files)
- Draft and final Notice of Determination (Microsoft Word and/or .pdf files; Hard copies mailed to County Clerk and State Clearinghouse)

Task 6 | *Project Management*

6.1 Project Meetings/Workshops

RMC will prepare for and attend up to six project meetings with the JPA (and LADWP when applicable) at key points throughout the Project. These meetings are in addition to the three meetings described under Task 5, though it may be possible to combine meetings under certain circumstances. The meetings are anticipated to include the following:

- Kickoff Meeting
- Alignment Evaluation Workshop
- Recycled Water Delivery Scenarios Workshop
- Hydraulic Evaluation Workshop
- Draft PDR Workshop
- One additional meeting to be determined

RMC will prepare an agenda and meeting notes for each meeting and distribute to the JPA project manager. At a minimum, RMC's project manager and a project engineer will attend each meeting. It is assumed that other project coordination and meetings can occur through conference calls, which may also include web-based presentations.

6.2 Project Tracking and Communication

RMC will prepare and submit progress reports and an updated the project schedule with the monthly project invoice. RMC will provide regular project coordination, communication and updates to the JPA and track the project scope, budget and schedule.

6.3 Quality Assurance and Quality Control

RMC will implement its Quality Assurance Program requirements for the Project, which will include a senior level technical review of major project deliverables.

Task 6 Assumptions

- Project duration is approximately 6 months
- Progress meetings will be via teleconference call or combined with the scoped meetings

Task 6 Deliverables

- Meeting Agendas (.pdf or Microsoft Word files by email)
- Meeting Minutes (.pdf or Microsoft Word files by email)
- Monthly Project Schedule (hard copy with invoice)
- Monthly Progress Report (hard copy with invoice)

Optional Task 7 | *Customer Coordination Assistance*

The foundation of recycled water distribution system implementation is accurate customer demands and service pressure requirements. While information has been developed for the proposed customers, some of the data contained in various reports is conflicting and therefore should be confirmed. As part of this task, RMC will assist the JPA in defining customer needs by attending meetings with customers and revisiting customer demand information. Under this optional task, RMC will review the prior 24 months of potable water records and will meet with the following customers to define their recycled water needs, demand requirements, pressure requirements, and any special water quality or other needs that may preclude the use of recycled water. The customers that would be contacted under this optional task and potential issues identified are listed below.

- **Louisville High School** – Demand in Woodland Hills Country Club Recycled Water Service Study (51 AFY) is significantly higher than the demand identified din the City of Los Angeles Non-Potable Reuse Master Planning Report (10 AFY).
- **Woodland Hills Country Club –** As the anchor demand under the first phase of this Project, it will be critical to clarify the selected delivery parameters (flow and pressure) prior to finalizing the design recommendations. Various delivery options to the golf course will impact pipe diameter.
- **Motion Picture and Television Fund Hospital** – Demand in the Woodland Hills Country Club Recycled Water Service Study report (5 AFY) is significantly lower than the demand identified in the City of Los Angeles Non-Potable Reuse Master Planning Report (15 AFY). In addition, the meeting agenda with the hospital will also include a discussion of potentially crossing the property with the proposed pipeline as identified in the base pipeline alignment. Requirements for obtaining approval will be identified through this meeting and follow up correspondence.

The demands for the remaining customers served by the first phase of the project appear to have less discrepancy among various reports and will not likely have significant impacts on the preliminary design. The future phase customer demands have been identified, screened and refined as part of the City of Los Angeles Non-Potable Reuse Master Planning Report, and the information from those reports will be used in the Task 3 hydraulic analysis.

Optional Task 7 Assumptions

The full scope of this optional task would be developed when and if the JPA determines it should be authorized.

Optional Task 7 Deliverables

- Meeting Agendas (.pdf or Microsoft Word files by email)
- Meeting Minutes (.pdf or Microsoft Word files by email)
- Customer Evaluation Forms (pdf format)

May 6, 2015

Mr. Eric Schlageter
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302

Subject: Fee Proposal for Preparation of the Preliminary Design & CEQA Study for the Woodland Hills Country Club Recycled Waterline System Extension

Dear Mr. Schlageter:

Our estimate of the level of effort and cost associated with the scope of work described in our proposal for the Woodland Hills Country Club Recycled Waterline System Extension Preliminary Design and California Environmental Quality Act (CEQA) Study is attached. This estimate is based on our experience on similar projects and our understanding of the work as described in the RFP, as well as discussions with you and our knowledge of the Project gained through our work on the City of Los Angeles' Recycled Water Master Planning documents.

As described in our proposal, RMC will provide the data collection and review, utility research, alignment evaluation, geotechnical evaluation, traffic evaluation, hydraulic evaluation, preliminary design, and CEQA-Plus Mitigated Negative Declaration necessary to complete the Project. In our proposal, we have identified any assumptions we have made in developing our scope of work, which forms the basis for our fee estimate.

We recognize that the Las Virgenes Municipal Water District – Triunfo Sanitation District Joint Powers Authority (JPA), like all public agencies, must work within its budget limitations. Therefore, if selected for this Project, we will work with you to refine our scope of work and level of effort estimate as necessary to match the JPA's funding and project requirements.

Very truly yours,

Rich Bichette, P.E.
Project Manager

Brian Dietrick, P.E
Principal-in-Charge

2400 Broadway, Suite 300
Santa Monica, CA 90404 • 310.566.6460 • rmcwater.com

Las Virgenes MWD - Triunfo SD Joint Powers Authority
Preliminary Design & CEQA Study for the Woodland Hills Country Club Recycled Waterline System Extension

Tasks	Labor														Outside Services					ODCs		Total
	Principal	Project Manager	QA/QC (Eng)	QA/QC (CEQA)	CEQA Lead	CEQA Support	CEQA Support	CEQA Support	Hydraulic Modeler	Project Engineer	Staff Engineer	CAD/ Graphics	Admin.	Total Hours	Total Labor Costs (1)	Rincon Consultants Inc	Fugro Consultants Inc	DKS	Subtotal	Sub Consultant Total Cost (2)	ODCs	Total ODCs (3)	Total Fee
	Brian Dietrick	Rich Bichette	Mike Matson	Robin Cort	Rosalyn Prickett	Crystal Benham	Sally Johnson	Simon Kobayashi	Miluska Propersi	Javier De La Cruz	Romy Sharafi	CAD/GIS Tech	Cathy Macklin			Bio/Cultural	Geotech	Traffic					
	$244	$244	$295	$259	$234	$199	$162	$146	$190	$174	$146	$131	$107										
Task 1: Data Collection, Review, and Utility Research																							
1.1 Data Collection and Review		2								8	8			18	$3,048				$0	$0		$0	$3,048
1.2 Utility Research		2								8	32			42	$6,552				$0	$0		$0	$6,552
Subtotal Task 1:	0	4	0	0	0			0		16	40	0	0	60	$9,600	$0	$0	$0	$0	$0	$0	$0	$9,600
Task 2: Alignment Evaluation																							
2.1 Alignment Evaluation		16								24	40	8		88	$14,968				$0	$0	$200	$220	$15,188
2.2 Geotechnical Evaluation		2												2	$488		$8,500		$8,500	$9,350	$50	$55	$9,893
2.3 Traffic Evaluation		2												2	$488			$4,920	$4,920	$5,412	$50	$55	$5,955
Subtotal Task 2:	0	20	0	0	0			0		24	40	8	0	92	$15,944	$0	$8,500	$4,920	$13,420	$14,762	$300	$330	$31,036
Task 3: Hydraulic Evaluation																							
3.1 Recycled Water Delivery Scenarios Development	4	24							24					52	$11,392				$0	$0		$0	$11,392
3.2 Hydraulic Evaluation and Modeling		8							80					88	$17,152				$0	$0		$0	$17,152
Subtotal Task 3:	4	32	0	0	0			0		0	0	0	0	36	$28,544	$0	$0	$0	$0	$0	$0	$0	$28,544
Task 4: Preliminary Design																							
4.1 Pipeline Material Evaluation and Recommendations		4								12	32			48	$7,736				$0	$0		$0	$7,736
4.2 Pipeline and Appurtenance Design Criteria and Standards		4								8	16			28	$4,704				$0	$0		$0	$4,704
4.3 Permitting, Traffic Control and Right of Way Requirements		4									24			28	$4,480				$0	$0		$0	$4,480
4.4 Preliminary Drawings		24								24	24	96		168	$26,112				$0	$0	$100	$110	$26,222
4.5 List of Specifications, Project Schedule and Cost Estimate		8								16	32			56	$9,408				$0	$0		$0	$9,408
4.6 Preliminary Design Report		16								24	60		4	104	$17,268				$0	$0	$500	$550	$17,818
Subtotal Task 4:	0	60	0	0	0			0		84	188	96	4	432	$69,708	$0	$0	$0	$0	$0	$600	$660	$70,368
Task 5: CEQA-Plus Mitigated Negative Declaration																							
5.1 Project Description and Initial Study		2			8		32							42	$7,544				$0	$0	$120	$132	$7,676
5.2 Environmental Investigations		2			6	12		24						44	$7,784	$24,910			$24,910	$27,401		$0	$35,185
5.3 Prepare Administrative Draft MND		8			20	48	60	24				16		176	$31,504			$8,200	$8,200	$9,020		$0	$40,524
5.4 Prepare Public Draft MND and Notices		2			16	24	48					6		96	$17,570				$0	$0		$0	$17,570
5.6 Prepare Final MND, Monitoring Plan, and Notices		2			12	12	24							50	$9,572				$0	$0	$80	$88	$9,660
5.7 Communications and Presentations		2			40		6							48	$10,820				$0	$0	$360	$396	$11,216
Subtotal Task 5:	0	18	0	0	102	96	170	48	0	0	0	22	0	456	$84,794	$24,910	$0	$8,200	$33,110	$36,421	$560	$616	$121,831
Task 6: Project Management																							
6.1 Project Meetings/Workshops		40								40				80	$16,720				$0	$0	$100	$110	$16,830
6.2 Project Tracking and Communication	8	12								12			12	44	$8,252				$0	$0	$100	$110	$8,362
6.3 Quality Assurance and Quality Control			24	24										48	$13,296				$0	$0	$100	$110	$13,406
Subtotal Task 6:	8	52	24	24	0			0		52	0	0	12	172	$38,268	$0	$0	$0	$0	$0	$300	$330	$38,598
TOTAL	12	186	24	24	102	96	170	48	104	176	268	126	16	1248	$246,858	$24,910	$8,500	$13,120	$46,530	$51,183	$1,760	$1936	$299,977

Optional Task 7 - Customer Coordination Assistance																							
Louisville High School		16								16				32	$6,688				$0	$0		$0	$6,688
Woodland Hills Country Club		16								16				32	$6,688				$0	$0		$0	$6,688
Motion Picture and Television Fund Hospital		16								16				32	$6,688				$0	$0		$0	$6,688
Subtotal Task 7:	0	48	0	0	0	0	0	0	0	48	0	0	0	96	$20,064	$0	$0	$0	$0	$0	$0	$0	$20,064

1. The individual hourly rates include salary, overhead and profit.
2. Subconsultants will be billed at actual cost plus 10%.
3. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.
4. RMC reserves the right to adjust its hourly rate structure and ODC markup at the beginning of the calendar year for all ongoing contracts.

RMC Water and Environment
2015 Standard Billing Rates

Billing Classifications	2015 Rates
Engineer-Planner-Scientist	
EPS-1	$ 146.00
EPS-2	$ 162.00
EPS-3	$ 174.00
EPS-4	$ 190.00
EPS-5	$ 199.00
EPS-6	$ 212.00
EPS-7	$ 223.00
EPS-8	$ 234.00
EPS-9	$ 244.00
EPS-10	$ 259.00
EPS-11	$ 274.00
EPS-12	$ 286.00
EPS-13	$ 295.00
EPS-14	$ 299.00
Intern	$ 55.00
Technician	
TECH-1	$ 131.00
TECH-2	$ 135.00
TECH-3	$ 140.00
TECH-4	$ 145.00
TECH-5	$ 151.00
TECH-6	$ 159.00
TECH-7	$ 161.00
Administrative	
AD-1	$ 95.00
AD-2	$ 100.00
AD-3	$ 107.00
AD-4	$ 118.00
AD-5	$ 130.00
AD-6	$ 140.00
AD-7	$ 150.00

Note: The individual hourly rates include salary, overhead and profit. Other direct costs (ODCs) such as reproduction, delivery, mileage (as allowed by IRS guidelines), and travel expenses will be billed at actual cost plus 10%. Subconsultants will be billed as actual cost plus 10%. RMC reserves the right to adjust its hourly rate structure at the beginning of each year for all ongoing contracts.

July 6, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Finance & Administration

Subject: Proposed Joint Powers Authority Budget for Fiscal Year 2015-16

SUMMARY:

The proposed Joint Powers Authority (JPA) budget for Fiscal Year (FY) 2015-16 totals $22.7 million, compared to $22.6 million in FY 2014-15, which constitutes a 0.4% increase. Staff previously reviewed the preliminary FY 2015-16 budget with the JPA Board on April 6 and May 4, 2015. There were no material changes to the budget since the May 4th presentation.

RECOMMENDATION(S):

Adopt the proposed Joint Powers Authority budget for Fiscal Year 2015-16.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

DISCUSSION:

JPA Operating Budget:

The proposed operating budget for FY 2015-16 is $15.60 million, which is $0.32 million or 2% higher than the adopted budget for FY 2014-15. The net operating expense (i.e. operating budget less operating revenues) is $13.05 million, which is $0.26 million or 2% more than the FY 2014-15 net operating expense. The main drivers for the increased operating expenses are a projected increase in electricity costs of $115,000 due to Southern California Edison rate adjustments, one-time capital outlay purchases of about $100,000 related to equipment needed for preventive maintenance at Tapia and Rancho, an increase of $32,000 in total chemicals purchased, an increase of $30,000 related to public outreach programs, and an increase of $25,000 in maintenance expenses (supplies, materials and outside services) due to equipment and labor needed for preventive maintenance at Tapia and Rancho.

Capital Improvement Projects Budget:

The proposed capital improvement projects budget for FY 2015-16 is $7.12 million, consisting of $4.69 million for previously-appropriated projects (carry-over appropriations) and $2.43 million for new appropriations for continuing projects or new projects to begin in FY 2015-16. The proposed capital improvement project (CIP) budget for FY 2015-16 is approximately $240,000 or 3.3% lower than the budget for FY 2014-15. This variance is detailed in the capital improvement projects detailed listing and varies from year-to-year based on the approved CIP program and the timing of project completions.

Wholesale Recycled Water Rate:

The budget process includes establishing the FY 2015-16 wholesale recycled water rate in accordance with the methodology previously approved by the JPA Board. The proposed rate for FY 2015-16 is $436.96 per acre foot, as compared to the current rate of $373.72 per acre foot. The rate increase is driven by a projected 8.5% decrease in recycled water sales from last year's budgeted sales. The reduction in expected sales is associated with conservation efforts due to the on-going statewide drought.

Fluctuations in Budgeted Labor by Business Unit:

Although the total labor cost allocated to the JPA remains relatively constant in FY 2015-16 as compared to FY 2014-15, there are fluctuations in the amount of labor cost assigned to each business unit. For example, labor cost for the JPA's recycled water pump stations is expected to return to normal levels after higher actuals in FY 2014-15 that were associated with operational work required for the Reservoir No. 2 Improvements Project.

A similar trend is evident for the recycled water tanks, reservoirs and wells, which received higher-than normal labor charges in FY 2014-15, when preventative maintenance work was performed for Reservoir No. 2 while it was out of service. Staff completed work on the reservoir's level control system, replaced four anti-siphon valves, and rehabilitated the existing inlet structure.

For the treatment and centrate treatment business unit, budgeted labor is reflected to be higher than FY 2014-15 actuals, primarily because fewer than normal direct hours were charged to this unit as other work took priority. The labor hours are expected to return to normal levels, based on a three-year average, in FY 2015-16.

Staff will provide a presentation on the proposed budget and be available for any questions.

Prepared By: Donald Patterson, Director of Finance & Administration, and Joseph Lillio, Finance Manager

ATTACHMENTS:

Proposed Fiscal Year 2015-16 JPA Budget

Las Virgenes – Triunfo Joint Powers Authority

Budget
FY 2015-16

July 6, 2015

ITEM 5C

TABLE OF CONTENTS

Las Virgenes – Triunfo
Joint Powers Authority

Fiscal Year 2015-16

Triunfo Sanitation District
Steven Iceland
Michael McReynolds
Janna Orkney
Michael Paule
James Wall – Chair

Mark Norris – District Manager

Las Virgenes Municipal Water District
Leonard Polan
Charles Caspary
Glen Peterson – Vice Chair
Lee Renger
Jay Lewitt

David Pedersen – General Manager

Administering Agency:
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302-1994
818.251.2100
www.lvmwd.com

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

DATE: July 6, 2015

TO: Las Virgenes-Triunfo Joint Powers Authority Board of Directors

It is my privilege to present the proposed operating and capital improvement project budget for Fiscal Year 2015-16. The budget represents the concerted efforts of staff over the past several months to estimate the financial needs of the JPA for the next fiscal year to continue providing high quality service to the Joint Powers Authority (JPA) and its customers.

Fiscal Year 2015-16 will build on the efforts that began in Fiscal Year 2014-15, which included a significant stakeholder/partner process towards identifying solutions to maximize the JPA's ability to utilize recycled water, reduce the amount of flows into Malibu Creek, and address compliance with environmental regulations. The proposed budget addresses these and other key JPA priorities that ensure the continued delivery of high-quality service that the District's customers have come to expect. The following key issues and initiatives are among those addressed in the budget:

Tapia Water Reclamation Facility NPDES Permit Renewal: The National Pollution Discharge Elimination System (NPDES) Permit for the Tapia Water Reclamation Facility will be renewed during this fiscal year. The District will need to continue its effort to prevent major and unnecessary cost increases for its sanitation services that could result from implementation of the U.S. Environmental Protection Agency Total Maximum Daily Load for *Sedimentation and Nutrients to Address Benthic Community Impairments* in Malibu Creek and Lagoon. Vigilance will be required to ensure that the regulatory standards and associated implementation schedules for Malibu Creek are scientifically-based, thoroughly vetted with the affected stakeholders, and affordable to the ratepayers of the District and JPA. The process will intensify during the coming fiscal year as discussion for the NPDES Permit renewal bring the issue to light. The continued implementation of a multi-pronged strategy, including calling on ratepayers to voice their opinions, will be necessary to address this challenge.

Recycled Water Seasonal Storage: In Fiscal Year 2014-15, the District completed a comprehensive, stakeholder process focused on addressing the need for seasonal storage of recycled water and to effectively eliminate discharges to Malibu Creek with only a few limited exceptions. The JPA Board authorized staff to prepare a plan of action based on two possible scenarios to move forward. The first involves expansion of an existing partnership with Los Angeles Department of Water and Power to potentially utilize Encino Reservoir for seasonal storage of recycled water. The second scenario involves investigating opportunities for potable reuse through Las Virgenes Reservoir augmentation. During Fiscal Year 2015-16, the District will begin taking steps toward implementing the plan of action with a focus on moving toward 100% reuse of its recycled water resource.

Investments in the Future: The proposed budget includes investment in a number of important projects to ensure the reliability of the District's service to its customers in the future. Following are examples of those projects:

- Design of the Woodland Hills Country Club recycled water main extension.
- Continued planning work to move forward with a seasonal storage solution.

In summary, the JPA faces challenges in the upcoming Fiscal Year; however, the JPA continues to be financial sustainable and able to provide the resources necessary for the JPA to continue delivering high-quality, reliable services to customers for many years to come.

ACKNOWLEDGEMENTS

This budget document represents the hard work and dedication of many employees throughout the District who thoughtfully and carefully considered the resources needed to achieve the quality of service expected while remaining stewards of the District's funds.

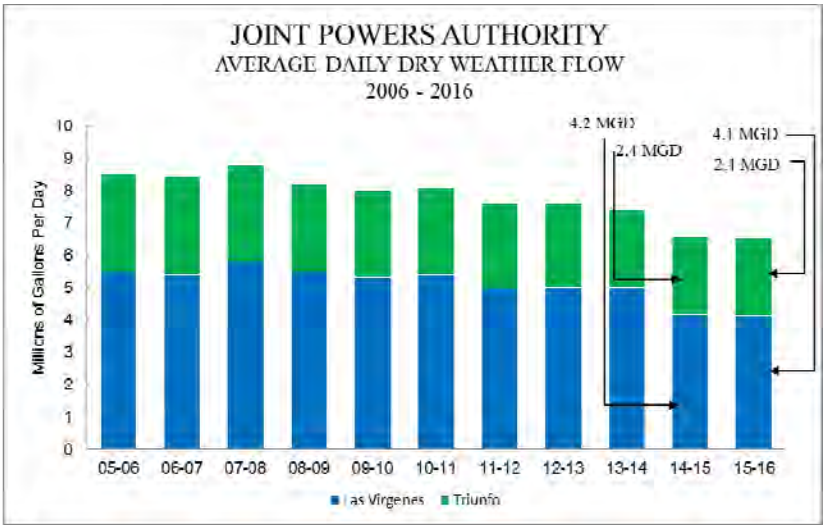
Very Truly Yours,

David W. Pedersen, P.E.
General Manager

BUDGET OVERVIEW

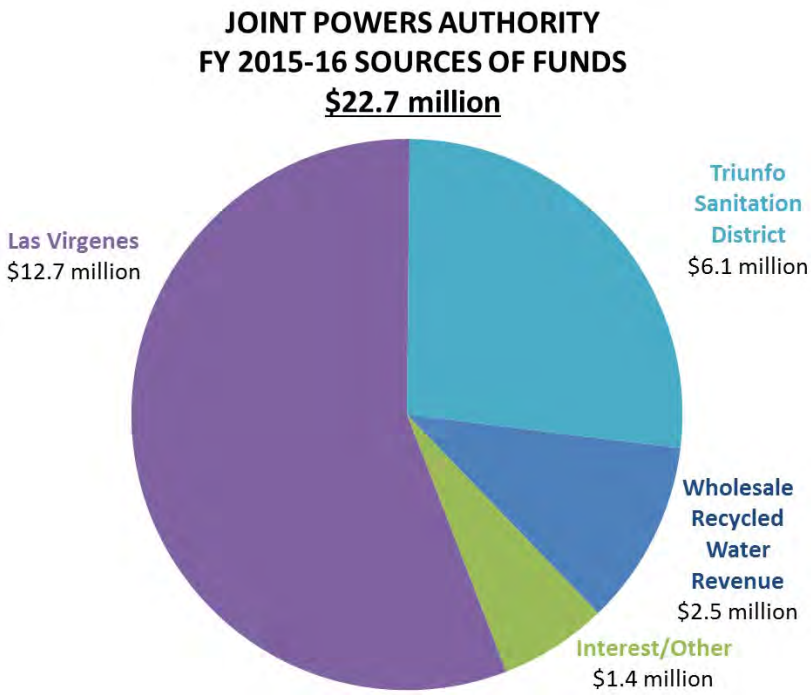
The following pages present an overview of the Fiscal Year 2015-16 Joint Powers Authority Budget created within the terms of the Joint Powers Authority agreement.

The following graph shows the participant's sewage flows since FY05/06. The reduction in flows reflects low growth policies of cities within the watershed, diversion of some sewage to the City of Los Angeles and water allocations to customers within the respective sewer service areas of the Joint Powers Authority partners for the last several years. The reduction is also associated with conservation efforts due to the on-going statewide drought.



Source of Joint Powers Authority Funds

The Joint Powers Authority (JPA) receives revenue from sales of recycled water, compost sales and from interest revenue, but the JPA partners contribute most of the funds for the JPA, as shown below.



The operating expenses of the JPA are allocated to the participants in four ways, depending upon the type of expenses. The basis of allocation is:

- Participants' reserve capacity rights in the trunk sewer (LVMWD 39.4%; TSD 60.6%),
- Participants' reserve capacity rights in the treatment plant and recycled water system (LVMWD 70.6%; TSD 29.4%),
- Participants' flow into the treatment plant (varies monthly – projected to be LVMWD 63%; TSD 37%), or
- Equal shares by participants for audit and meter station expense.

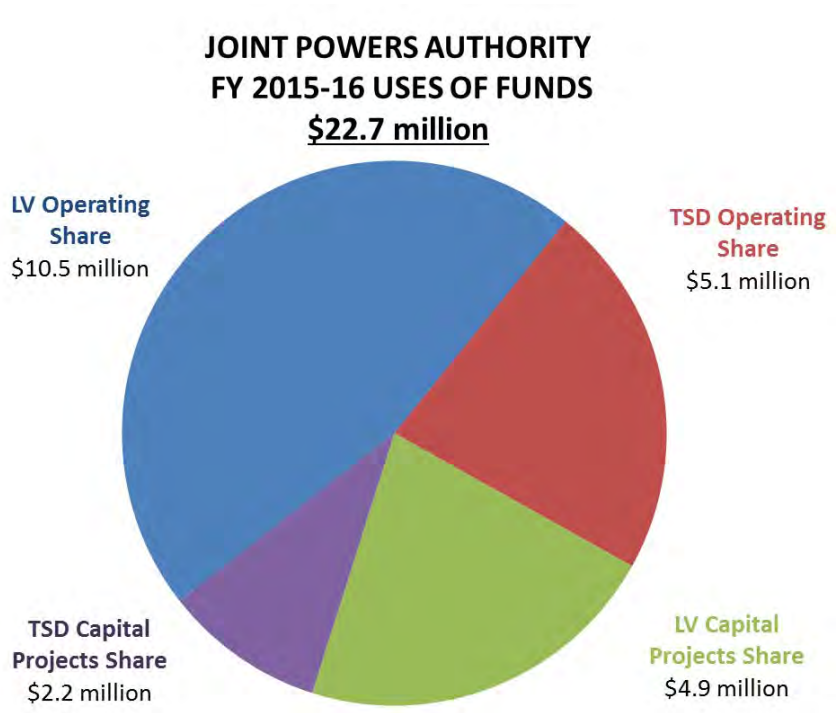
Because allocation of expense varies by type of expense, the overall percentage allocated to each participant changes from year to year. The total anticipated contribution from partners is estimated to be $0.27 million more than budgeted in FY14/15 for operations and $1.58 million less in capital projects.

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
WORKING CAPITAL ANALYSIS - SOURCES OF FUNDS

	FY2011-12 ACTUAL	FY2012-13 ACTUAL	FY2013-14 ACTUAL	FY2014-15 BUDGET	FY2014-15 EST. ACTUAL	FY2015-16 BUDGET
Operating Revenue						
Recycled Water Revenue						
Las Virgenes Municipal Water District	1,911,981	2,218,255	2,052,560	1,669,422	1,647,235	1,761,572
Triunfo Sanitation District	686,030	789,907	839,098	634,352	657,373	704,310
Total Recycled Water Revenue	2,598,011	3,008,162	2,891,658	2,303,774	2,304,608	2,465,882
MWD Incentive - Local Projects	-	194,055	107,800	107,800	107,800	-
Other	70,797	75,634	105,088	80,000	97,821	80,000
Total Operating Revenue	2,668,808	3,277,851	3,104,546	2,491,574	2,510,229	2,545,882
Interest & Other Revenue	14,101	25,143	11,186	20,000	20,000	1,358,638
Participant's Contribution						
Las Virgenes Municipal Water District						
Operations	7,974,215	8,131,007	8,254,018	8,794,591	8,472,705	8,726,403
Capital Projects	1,450,805	2,776,203	4,360,957	5,190,028	2,787,015	4,000,279
Total Las Virgenes	9,425,020	10,907,210	12,614,975	13,984,619	11,259,720	12,726,682
Triunfo Sanitation District						
Operations	3,766,206	3,873,043	3,783,274	3,972,403	3,957,671	4,306,286
Capital Projects	604,159	1,156,096	1,816,036	2,167,766	1,173,343	1,779,025
Total Triunfo	4,370,365	5,029,139	5,599,310	6,140,169	5,131,014	6,085,311
Total Sources of Funds	16,478,294	19,239,343	21,330,017	22,636,362	18,920,963	22,716,513

Use of Joint Powers Authority Funds

For operations and capital improvement projects, the use of funds in the proposed budget for FY15/16 is $22.7 million, as shown on the following page.



The proposed operating expense for FY15/16 is approximately $320,000 higher than the adopted budget for FY 2014-15. The main drivers for the increased operating expenses are a projected increase in electricity costs of $115,000, one-time capital outlay purchases of about $100,000, an increase of $32,000 to total chemicals purchased, an increase of $30,000 related to public outreach programs, and an increase of $25,000 in the maintenance division expenses (supplies, materials, outside services) due to equipment and labor needed for preventive maintenance at Tapia and Rancho. The proposed capital improvement project (CIP) budget for FY15/16 is approximately $240,000 lower than the budget for FY14/15. This variance is detailed in the capital improvement projects detailed listing and varies from year-to-year based on the approved CIP and the timing of project completion. Overall, the total budget is 0.4% higher than the FY14/15 approved budget due to the increases in operating budgets.

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
WORKING CAPITAL ANALYSIS - USES OF FUNDS

	FY2011-12 ACTUAL	FY2012-13 ACTUAL	FY2013-14 ACTUAL	FY2014-15 BUDGET	FY2014-15 EST. ACTUAL	FY2015-16 BUDGET
Operating Expenses						
Las Virgenes Municipal Water District	9,793,440	10,463,895	10,454,071	11,245,026	10,261,378	10,540,245
Triunfo Sanitation District	4,629,889	4,843,149	4,698,953	4,033,542	4,699,227	5,058,326
Total Operating Expenses	14,423,329	15,307,044	15,153,024	15,278,568	14,960,605	15,598,571
Capital Projects						
Las Virgenes Municipal Water District	1,450,805	2,776,203	4,360,957	5,190,028	2,787,015	4,945,357
Triunfo Sanitation District	604,160	1,156,096	1,816,036	2,167,766	1,173,343	2,172,585
Total Capital Projects	2,054,965	3,932,299	6,176,993	7,357,794	3,960,358	7,117,942
Total Uses of Funds	16,478,294	19,239,343	21,330,017	22,636,362	18,920,963	22,716,513

Wholesale Recycled Water Rates

At the JPA meeting on June 6, 2011, the joint board approved a new formula for determining the wholesale price of recycled water, that is, the price that the JPA charges to its two customers—Las Virgenes Municipal Water District and Triunfo Sanitation District. Previously, the wholesale rate for recycled water was based upon the operating costs for recycled water reservoirs, system operations and pump stations (only for areas in which pumping is necessary). This represents the operating costs of recycled water. The new formula, effective July 1, 2011, used the operating costs and added the administrative overhead for recycled water operations and a depreciation expense for recycled water capital assets. The July 1, 2015 wholesale rate for recycled water with pumping is $436.96 per acre foot, which is higher than the previous rate of $373.72 per acre foot. For wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the rate changes to $310.08 per acre foot from $242.21 per acre foot.

Allocation of General and Administrative Costs

The general and administrative costs of Las Virgenes Municipal Water District are distributed among its three enterprises (potable water, recycled water and sanitation), its capital improvement projects, and the operations of the JPA. In accordance with the original Joint Powers Authority agreement, the general and administrative costs are distributed to the JPA based upon direct labor hours.

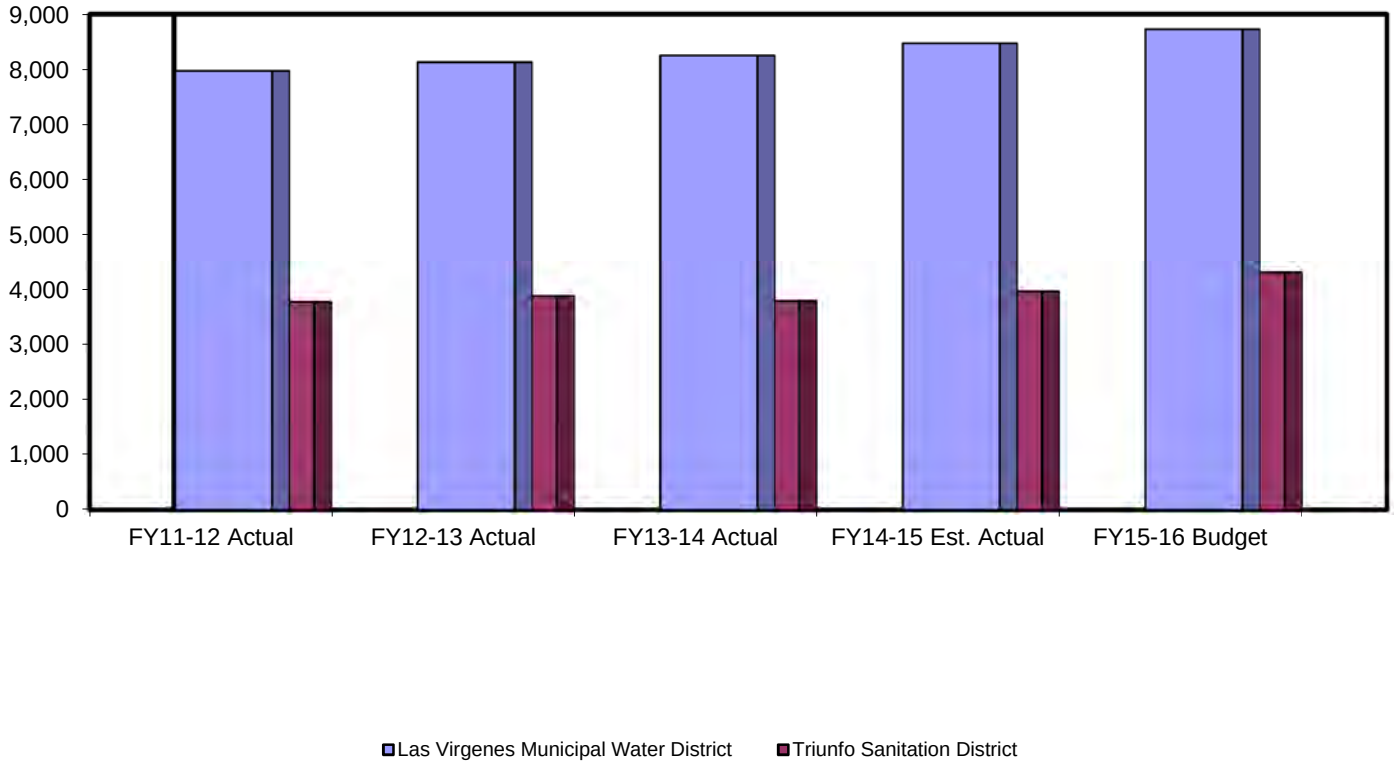
The FY15/16 Las Virgenes Municipal Water District budget for general and administrative expenses (otherwise known as Internal Services) is $15.7 million. Of this total, $5.92 million is allocated to the JPA based upon projected labor hours.

Capital Improvement Projects

The Capital improvement projects are shown by enterprise (Recycled Water and Sanitation) and by project number. This corresponds to the classification of the funding by LVMWD and agrees with the JPA capital budget.

Las Virgenes - Triunfo
Joint Powers Authority
Allocated Net Expense Summary
(Dollars in Thousands)

	FY11-12 Actual	FY12-13 Actual	FY13-14 Actual	FY14-15 Est. Actual	FY15-16 Budget
JPA Revenues	2,669	3,278	3,103	2,510	2,546
JPA Expenses	14,423	15,307	15,153	14,961	15,599
Net Operating Expense	11,754	12,029	12,050	12,451	13,053
Non-Operating Revenue	14	25	13	20	20
Net Expenses	11,740	12,004	12,037	12,431	13,033
Las Virgenes Municipal Water Distr	7,974	8,131	8,254	8,473	8,727
Triunfo Sanitation District	3,766	3,873	3,783	3,958	4,306
Total Allocated Expenses	11,740	12,004	12,037	12,431	13,033



FISCAL YEAR 2015-16 OPERATING BUDGET
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
SEWER EXPENSE	246,073	0	0	0	0	246,073
TREATMENT RECLAMATION	0	4,440,872	3,016,332	0	0	7,457,204
TREATMENT COMPOSTING	0	3,107,267	1,865,286	0	0	4,972,553
TREATMENT INJECTION	0	226,394	152,072	0	0	378,466
PUMP STATIONS	0	1,283,750	0	0	0	1,283,750
TANKS/RESERVOIR WELLS	0	78,953	0	0	0	78,953
SYSTEM OPERATION	0	32,862	0	0	0	32,862
WATER SYSTEM	0	107,667	0	0	0	107,667
ADMINISTRATIVE EXPENSES	0	1,032,643	0	5,300	0	1,037,943
TAPIA WAREHOUSE	0	3,100	0	0	0	3,100
REVENUES	0	(2,545,882)	0	0	(20,000)	(2,565,882)
TOTAL EXPENSES	246,073	7,767,626	5,033,690	5,300	(20,000)	13,032,689
	A	B	C	D	E	TOTAL

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	$	%	$	%	$	%	$	%	$		
U-1 SANITATION DISTRICT	36.3%	89,324	53.1%	4,573,538	39.3%	1,978,240	25.0%	1,325	82.2%	(16,449)	50.8%	6,625,978
U-2 SANITATION DISTRICT	3.1%	7,628	17.5%	1,507,286	23.7%	1,192,985	25.0%	1,325	0.0%	0	20.8%	2,709,224
RECYCLED WATER FUND				(608,799)								(608,799)
TOTAL LVMWD	39.4%	96,952	70.6%	5,472,025	63.0%	3,171,225	50.0%	2,650	82.2%	(16,449)	71.6%	8,726,403
TRIUNFO SANITATION DISTRICT	60.6%	149,121	29.4%	2,295,601	37.0%	1,862,465	50.0%	2,650	17.8%	(3,551)	28.4%	4,306,286
TOTAL ALLOCATION	100.0%	246,073	100.0%	7,767,626	100.0%	5,033,690	100.0%	5,300	100.0%	(20,000)	100.0%	13,032,689
	A		B		C		D		E		TOTAL	

GROUP

A Basis of allocation to each participant is participant's reserve capacity rights in the trunk sewer.

B Basis of allocation to each participant is participant's reserve capacity rights in the treatment plant and reclaimed water system.

C Basis of allocation to each participant is participant's flow into the treatment plant.

D Each participant is allocated an equal share.

E Basis of allocation is each participant's average monthly cash balance.

FISCAL YEAR 2014-15 ESTIMATED ACTUAL
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
SEWER EXPENSE	218,237	0	0	0	0	218,237
TREATMENT RECLAMATION	0	4,588,226	2,976,974	0	0	7,565,200
TREATMENT COMPOSTING	0	2,469,409	1,630,941	0	0	4,100,350
TREATMENT INJECTION	0	162,618	121,150	0	0	283,768
PUMP STATIONS	0	1,376,730	0	0	0	1,376,730
TANKS/RESERVOIR WELLS	0	224,424	0	0	0	224,424
SYSTEM OPERATION	0	50,535	0	0	0	50,535
WATER SYSTEM	0	119,716	0	0	0	119,716
ADMINISTRATIVE EXPENSES	0	1,013,346	0	5,300	0	1,018,646
TAPIA WAREHOUSE	0	3,000	0	0	0	3,000
REVENUES	0	(2,510,229)	0	0	(20,000)	(2,530,229)
TOTAL EXPENSES	218,237	7,497,775	4,729,065	5,300	(20,000)	12,430,377
	A	B	C	D	E	TOTAL

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	$	%	$	%	$	%	$	%	$		
U-1 SANITATION DISTRICT	36.3%	79,220	53.1%	4,513,116	39.2%	1,853,793	25.0%	1,325	82.2%	(16,449)	51.7%	6,431,005
U-2 SANITATION DISTRICT	3.1%	6,765	17.5%	1,487,374	24.2%	1,144,434	25.0%	1,325	0.0%	0	21.2%	2,639,898
RECYCLED WATER FUND				(598,196)								(598,196)
LVMWD	39.4%	85,985	70.6%	5,402,294	63.4%	2,998,227	50.0%	2,650	82.2%	(16,449)	73.0%	8,472,707
TRIUNFO SANITATION DISTRICT	60.6%	132,252	29.4%	2,095,481	36.7%	1,730,838	50.0%	2,650	17.8%	(3,551)	27.0%	3,957,670
TOTAL ALLOCATION	100.0%	218,237	100.0%	7,497,775	100.1%	4,729,065	100.0%	5,300	100.0%	(20,000)	100.0%	12,430,377
	A		B		C		D		E		TOTAL	

JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
FY 2015-16

PARTICIPANT	PROJECTED SEWAGE FLOWS: MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS: TOTAL EXP	$ PER MG	%	PROJECTED ERUs: PROJECTED NUMBER OF ERUs	GPD PER ERU
	(A)	(B)	(C)	(D)	(D) / (B)		(E)	(A)/(E)
U-1 SANITATION DISTRICT	2.57	938	39.3%	6,625,978	7,064	48.6%	18,750	137
U-2 SANITATION DISTRICT	1.55	567	23.7%	2,709,224	4,778	19.9%	6,718	231
LVMWD	4.12	1,505	63.0%	9,335,202	6,203	68.5%	25,468	162
TRIUNFO SANITATION DISTRICT	2.42	884	37.0%	4,306,286	4,871	31.5%	12,257	198
TOTAL ALL PARTICIPANTS	6.55	2,389	100.0%	13,641,488 *	5,710	100.0%	37,725	173
RETURN FLOWS	1.36	495						
WESTLAKE WELLS	0.28	101						
	8.18	2,985						

* Total expenses allocated is net of non-operating interest income.

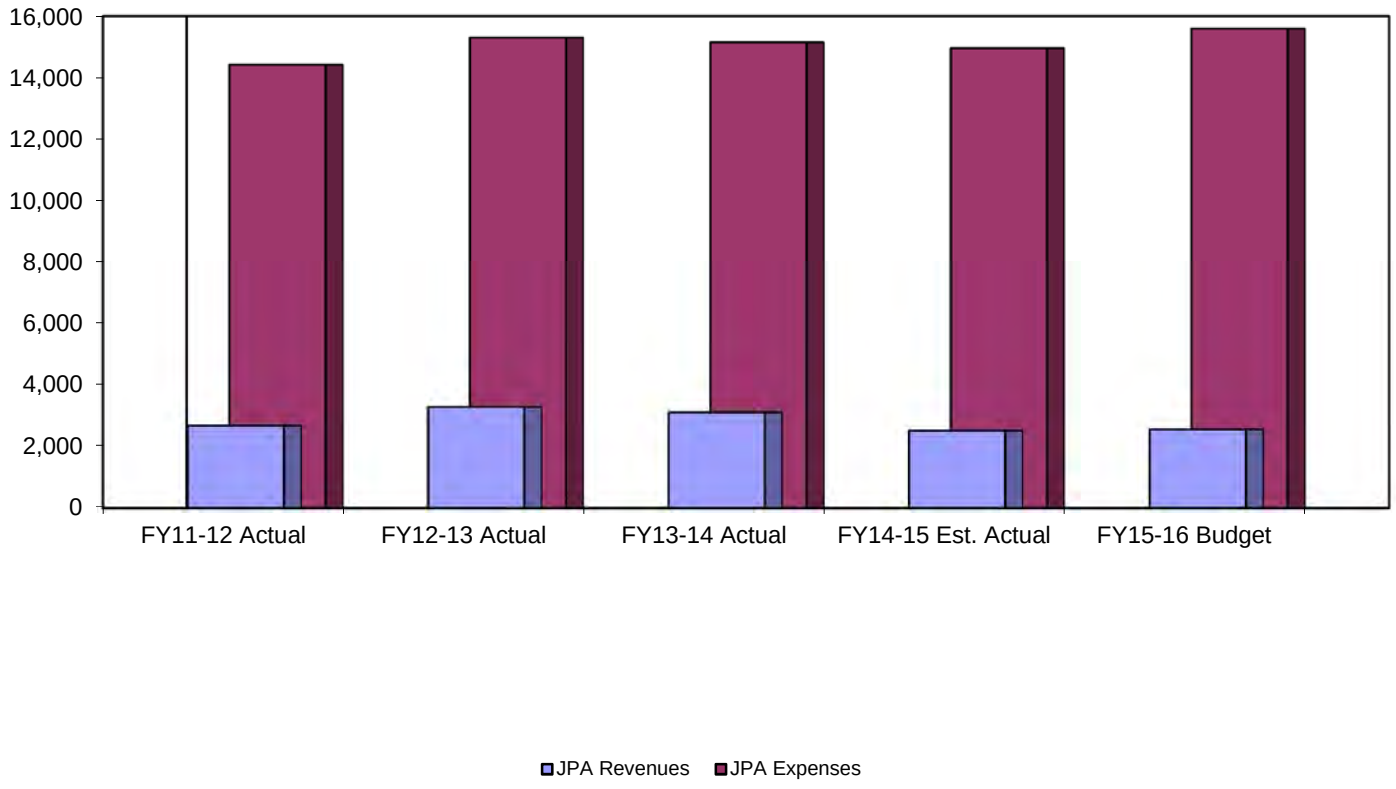
JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
ESTIMATED ACTUAL FY 2014-15

PARTICIPANT	PROJECTED SEWAGE FLOWS: MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS: TOTAL EXP	$ PER MG	%	ESTIMATED ERUs: ESTIMATED NUMBER OF ERUs	GPD PER ERU
	(A)	(B)	(C)	(D)	(D) / (B)		(E)	(A)/(E)
U-1 SANITATION DISTRICT	2.59	944	39.2%	6,431,005	6,813	49.4%	18,621	139
U-2 SANITATION DISTRICT	1.60	583	24.2%	2,639,898	4,528	20.3%	6,736	237
LVMWD	4.18	1,527	63.4%	9,070,903	5,940	69.7%	25,357	165
TRIUNFO SANITATION DISTRICT	2.42	884	36.7%	3,957,670	4,477	30.3%	12,257	198
TOTAL ALL PARTICIPANTS	6.61	2,411	100.1%	13,028,573 *	5,404	100.0%	37,614	176
RETURN FLOWS	1.32	480						
WESTLAKE WELLS	0.27	100						
	8.19	2,991						

* Total expenses allocated is net of non-operating interest income.

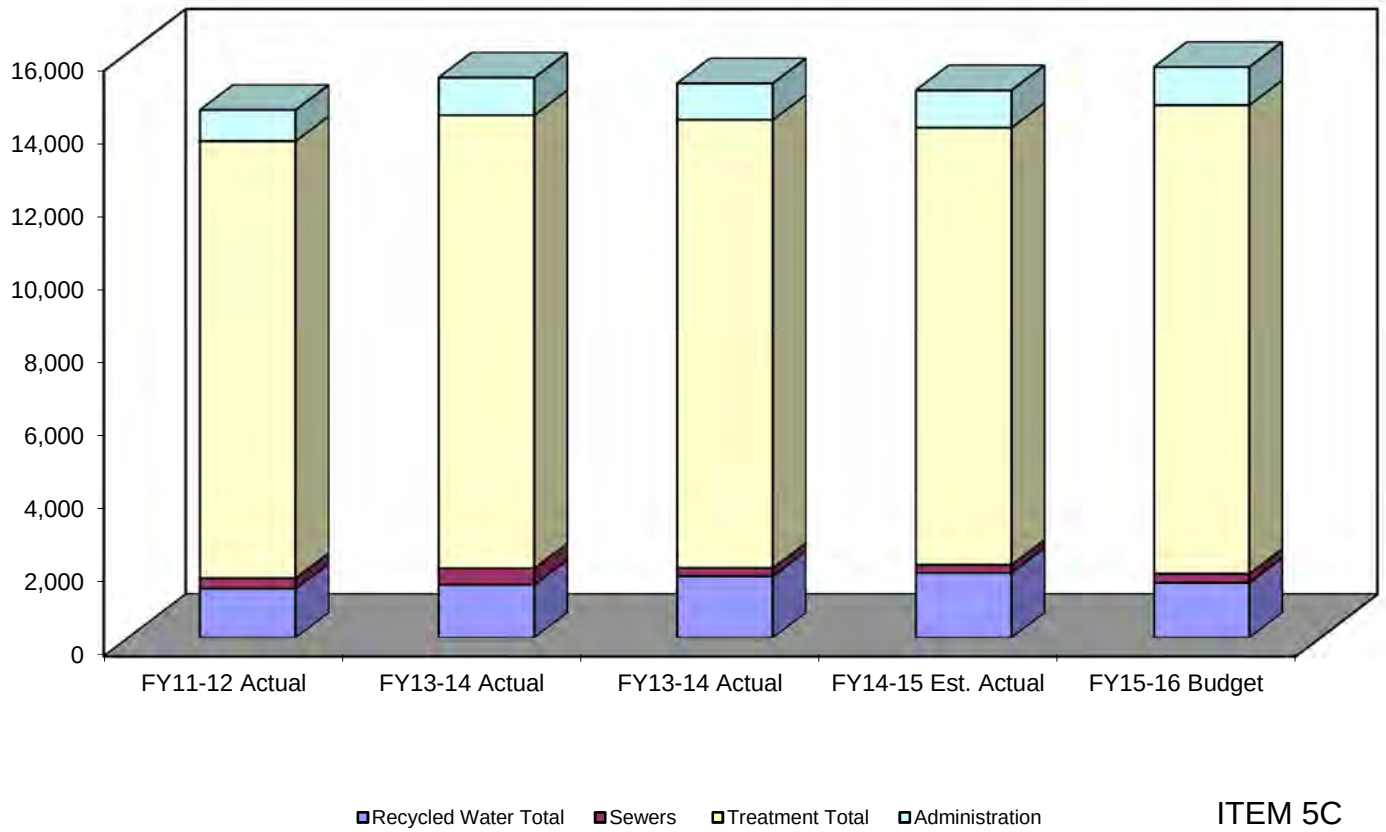
Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary
(Dollars in Thousands)

	FY11-12 Actual	FY12-13 Actual	FY12-13 Actual	FY14-15 Est. Actual	FY15-16 Budget
JPA Revenues	2,669	3,278	3,103	2,510	2,546
JPA Expenses	14,423	15,307	15,153	14,961	15,599
Net Operating Expense	11,754	12,029	12,050	12,451	13,053



Las Virgenes - Triunfo
Joint Powers Authority
Operating Expense Summary
(Dollars in Thousands)

	FY11-12 Actual	FY12-13 Actual	FY13-14 Actual	FY14-15 Est. Actual	FY15-16 Budget
Pump Stations	1,185	1,211	1,465	1,377	1,284
Tank, Res, Wells	74	96	53	224	79
System Ops	34	43	25	51	33
Distribution	47	100	137	120	108
Recycled Water Total	1,340	1,450	1,680	1,772	1,504
Sewers	288	447	223	218	246
Reclamation	7,207	7,329	7,536	7,565	7,457
Composting	4,453	4,633	4,348	4,100	4,973
Injection & Centrate Treatment	284	425	371	284	378
Treatment Total	11,944	12,387	12,255	11,949	12,808
Administration	851	1,023	995	1,022	1,041
Total JPA Operations	14,423	15,307	15,153	14,961	15,599



Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATING REVENUES						
4235 RW Sales - LVMWD	$1,911,981	$2,218,255	$2,052,560	$1,669,422	$1,647,235	$1,761,572
4240 RW Sales - TSD	686,030	789,907	839,098	634,352	657,373	704,310
4245 MWD Incentive - Local Projects	0	194,055	107,800	107,800	107,800	0
4505 Other Income from Operations	60,371	61,853	63,028	65,000	62,820	65,000
4510 Compost Sales	10,426	13,781	40,390	15,000	35,000	15,000
TOTAL OPERATING REVENUES	**$2,668,808**	**$3,277,851**	**$3,102,876**	**$2,491,574**	**$2,510,229**	**$2,545,882**
SOURCE OF SUPPLY						
5115 Purchased Water - Potable Suppl	0	0	0	0	136,529	0
OPERATIONS DIVISION EXPENSE						
5400 Labor	1,930,622	1,906,514	1,851,775	1,858,657	1,866,264	1,860,660
5405.1 Electricity	1,989,189	2,202,452	2,746,502	2,429,329	2,593,837	2,543,565
5405.2 Telephone	19,599	16,355	20,587	20,384	18,989	20,084
5405.3 Natural Gas	11,512	13,168	11,782	11,447	12,180	12,452
5405.4 Water	10,976	11,956	10,520	11,952	12,192	12,514
5410 Supplies/Material	91,987	87,208	101,724	64,100	63,100	67,674
5410.1 Fuel	18,587	16,617	15,979	17,100	18,661	18,600
5410.5 Ferric Chloride	86,187	90,209	84,096	84,675	84,000	84,709
5410.6 Defoamer/Deodorant	22,600	9,895	5,992	6,375	6,300	6,832
5410.7 Polymer	122,423	195,755	167,894	126,898	160,000	162,024
5410.8 Amendment	111,041	206,434	242,394	203,000	176,612	186,623
5410.9 Alum	19,557	31,739	25,577	25,200	25,000	25,600
5410.10 Sodium Hypochlorite	294,835	272,820	272,557	335,685	330,000	333,518
5410.11 Sodium Bisulfite	173,106	158,802	187,291	183,104	183,000	188,826
5410.13 Aqua Ammonia	0	19,732	18,298	15,000	19,500	25,000
5415 Outside Services	250,089	49,041	30,376	62,519	34,883	66,720
5417 Odor Control	87,651	67,805	99,259	112,000	106,243	108,000
5420 Permits and Fee	155,009	158,164	172,834	184,890	176,452	185,511
5425 Consulting Services	2,335	21,090	10,142	0	0	0
5430 Capital Outlay	43,723	51,267	38,610	27,710	4,210	30,500
Sub-total	$5,441,028	$5,587,023	$6,114,189	$5,780,025	$5,891,423	$5,939,412
MAINTENANCE DIVISION EXPENSE						
5500 Labor	1,141,118	1,348,996	1,204,745	1,208,293	1,284,242	1,294,284
5510 Supplies/Material	328,874	515,952	423,874	405,152	393,600	414,384
5515 Outside Services	302,636	532,242	214,212	279,491	234,400	295,232
5518 Building Maintenance	98,982	124,365	115,790	116,936	107,236	117,472
5520 Permits and Fee	280	280	937	450	850	500
5525 Consulting Services	0	5,100	0	0	0	0
5530 Capital Outlay	20,142	0	47,789	31,000	48,500	129,000
Sub-total	$1,892,032	$2,526,935	$2,007,347	$2,041,322	$2,068,828	$2,250,872
INVENTORY EXPENSES						
5536 Inventory Adjustment	2,393	9,463	50	3,100	3,000	3,100
PUBLIC INFORMATION						
6602 School Education Program	4,066	2,511	5,156	9,488	10,632	8,393
6604 Public Education Program	20,011	43,641	66,785	36,847	64,023	67,398
6606 Community Group Outreach	187	4,859	373	7,786	2,500	10,195
6608 Intergovernmental Coordination	8,973	5,486	1,872	11,990	6,966	10,712
Sub-total	$33,237	$56,497	$74,186	$66,111	$84,121	$96,698
RESOURCE CONSERVATION						
6788 District Sprayfield	264,468	296,358	267,574	286,496	255,934	274,676
6789 005 Discharge	51,768	20,163	350	360	360	384
6785 Watershed Programs	59,600	87,932	23,796	90,840	15,232	83,596
Sub-total	$375,836	$404,453	$291,720	$377,696	$271,526	$358,656

Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary

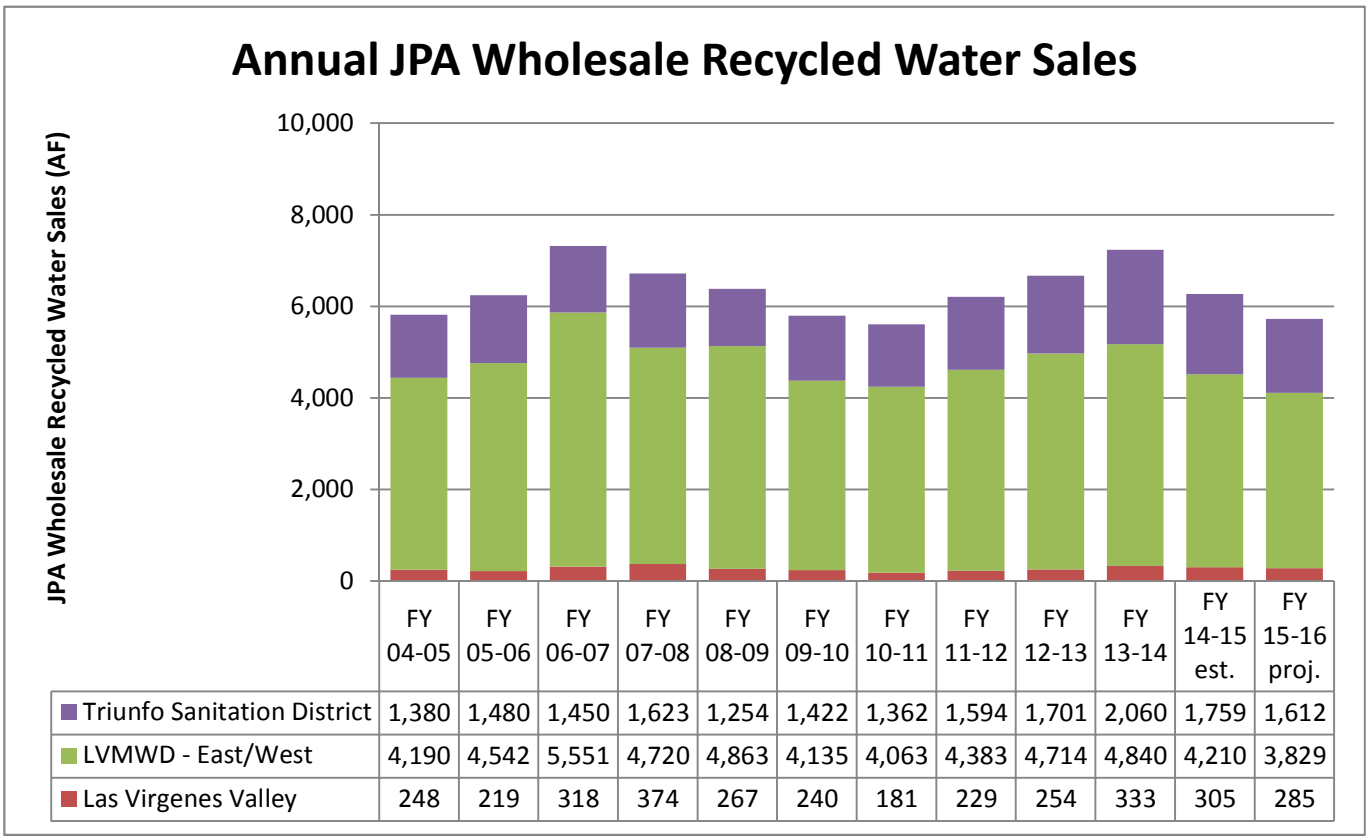
	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
SPECIALTY EXPENSES						
5700 SCADA Services	103,920	77,970	88,895	100,381	69,895	110,646
5710.2 Technical Services	17,495	15,625	0	3,787	2,313	12,924
5712 Compost Sales/Use Tax	2,973	3,747	7,852	4,000	2,924	4,000
5715.2 Other Lab Services	151,858	162,451	148,230	167,391	140,375	150,292
5715.3 Tapia Lab Sampling	134,990	128,283	135,336	123,435	141,291	130,917
7202 Allocated Lab Expense	402,459	382,094	356,930	402,158	323,784	391,208
Sub-total	$813,695	$770,170	$737,243	$801,152	$680,582	$799,987
ADMINISTRATIVE EXPENSES						
6872 Litigation/Outside Services	605	89,933	88,533	50,000	150,000	50,000
6516 Other Professional Services	0	15,069	92,259	56,540	7,085	75,000
6517 Audit Fees	6,275	5,300	5,300	5,300	5,300	5,300
7110 Travel/Misc Staff Expense	0	619	13	0	26	0
7135.1 Property Insurance	75,323	59,731	55,127	50,675	55,181	56,726
7135.4 Earthquake Insurance	91,743	92,878	92,800	94,515	89,726	92,238
7145 Claims Paid	0	0	0	0	72,000	0
7153 TSD Staff Services	0	0	500	5,000	5,000	5,000
6260 Rental Charge - Facility Repl	331,945	355,476	389,038	380,715	389,108	337,598
7203 Allocated Building Maint	96,673	105,823	80,473	73,420	70,744	102,117
7225 Allocated Support Services	3,692,475	3,719,446	3,413,211	3,813,534	3,486,703	3,817,509
7226 Allocated Operations Services	1,570,069	1,508,229	1,711,033	1,679,463	1,488,724	1,608,358
Sub-total	$5,865,108	$5,952,504	$5,928,287	$6,209,162	$5,824,597	$6,149,846
TOTAL EXPENSES	**$14,423,329**	**$15,307,045**	**$15,153,022**	**$15,278,568**	**$14,960,606**	**$15,598,571**
NET OPERATING EXPENSE	**$11,754,521**	**$12,029,194**	**$12,050,146**	**$12,786,994**	**$12,450,377**	**$13,052,689**

RW WHOLESALE RATE COMPUTATIONS

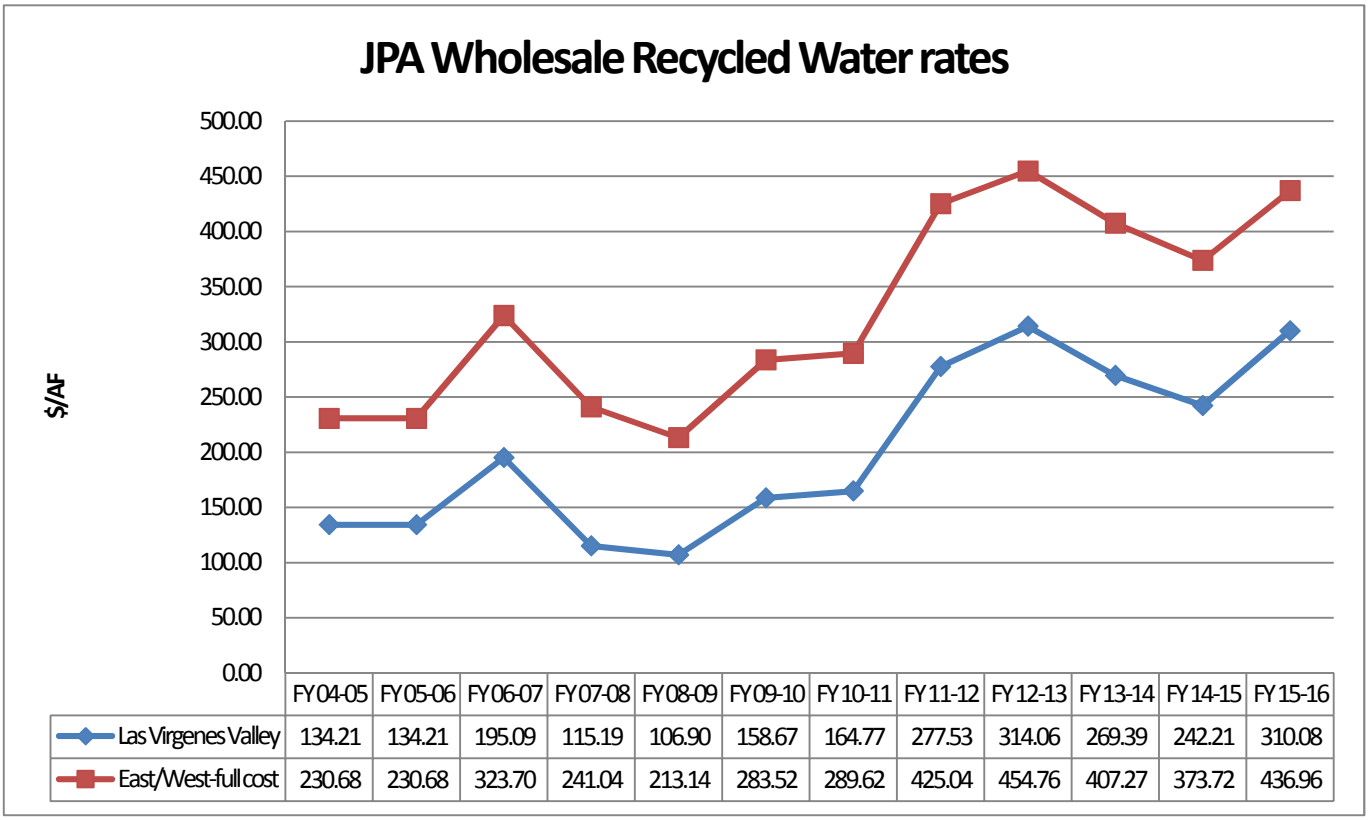
FY 2015-16 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,283,750	593,385	690,365	
Reservoirs	78,953	78,953		
System Operations	32,862	32,862		
Distribution	107,667	107,667		
RW Operations	1,503,232			
RW Ops/Total JPA Ops	9.6%			
Total JPA Admin	1,041,043			
RW Administration	100,325	100,325		
subtotal:Operations & Admin	1,603,557	913,193		
Depreciation FY13-14	862,322	862,322	-	
Total Cost	$ 2,465,879	$ 1,775,515	$ 690,365	
Costs per Acre Foot		$ 310.08	$ 126.88	$ 436.96

FY 2015-16 Estimated Deliveries (8% reduction)

	Acre Feet	Rate		
LV Valley	285	$ 310.08	/AF	$ 88,434.82
LVMWD East	1,657	$ 436.96	/AF	$ 724,007.76
LVMWD West	2,172	$ 436.96	/AF	$ 949,129.56
Total LVMWD	4,114			$ 1,761,572.13
TSD	1,612	$ 436.96	/AF	$ 704,309.61
	5,726			$ 2,465,881.74



	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15 est.	FY 15-16 proj.
Triunfo Sanitation District	1,380	1,480	1,450	1,623	1,254	1,422	1,362	1,594	1,701	2,060	1,759	1,612
LVMWD - East/West	4,190	4,542	5,551	4,720	4,863	4,135	4,063	4,383	4,714	4,840	4,210	3,829
Las Virgenes Valley	248	219	318	374	267	240	181	229	254	333	305	285



	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16
Las Virgenes Valley	134.21	134.21	195.09	115.19	106.90	158.67	164.77	277.53	314.06	269.39	242.21	310.08
East/West-full cost	230.68	230.68	323.70	241.04	213.14	283.52	289.62	425.04	454.76	407.27	373.72	436.96

JOINT POWERS AUTHORITY
Operating Revenues – 751000

LINE ITEM EXPLANATIONS

4235 Recycled Water Sales - LVMWD – Wholesale recycled water sales to Las Virgenes Municipal Water District (4,114 af). Wholesale rates are set to recover the costs of operating and administering the Recycled Water backbone distribution system. Beginning in Fiscal Year 2011-12, an additional amount, equal to the value of annual depreciation expense on the recycled water distribution system, is included in the wholesale recycled water rate. Annual sales to each JPA partner is normally projected using the prior 3 years average purchases by each JPA partner and adjusted as necessary for weather and outage conditions. For FY 2015-16, sales are projected at FY 2014-15 levels, less 8% reduction, estimated for water conservation/drought restrictions.

4240 Recycled Water Sales - TSD – Wholesale recycled water sales to Triunfo Sanitation District (1,612 af). Wholesale rates are set in the same manner as described above.

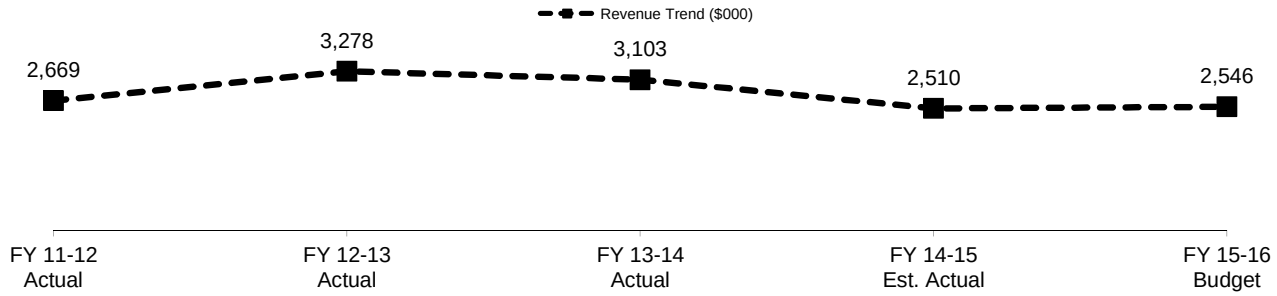
4245 MWD Incentive Local Projects – Funding from Metropolitan Water District to encourage reduction of potable water demand up to 700 af per year at $154/af. The twenty five (25) year agreement between the MWD and the JPA expired in November, 2014.

4505 Other Income from Operations – Primarily rental of tank sites to cellular telephone providers.

4510 Compost Sales – Commercial sales of compost produced at the Rancho Las Virgenes Composting Facility.

Las Virgenes - Triunfo
Joint Powers Authority
Operating Revenues

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATING REVENUES						
4235 RW Sales - LVMWD	$1,911,981	$2,218,255	$2,052,560	$1,669,422	$1,647,235	$1,761,572
4240 RW Sales - TSD	686,030	789,907	839,098	634,352	657,373	704,310
4245 MWD Incentive - Local Projects	0	194,055	107,800	107,800	107,800	0
4505 Other Income from Operations	60,371	61,853	63,028	65,000	62,820	65,000
4510 Compost Sales	10,426	13,781	40,390	15,000	35,000	15,000
TOTAL OPERATING REVENUES	**$2,668,808**	**$3,277,851**	**$3,102,876**	**$2,491,574**	**$2,510,229**	**$2,545,882**



JOINT POWERS AUTHORITY
RW Pump Stations – 751100

FUNCTION
To provide appropriate training, operating, preventive maintenance and maintenance and repair programs to preserve Joint Powers Authority (JPA) assets and to ensure the Effluent, East and West recycled water pump stations are operated and maintained safely, efficiently and cost-effectively to supply adequate water throughout the recycled water distribution system.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

OPERATING EXPENSE LINE ITEM EXPLANATIONS
5400 Labor – Primarily labor hours worked by Water Treatment and Production and Water Reclamation personnel to operate and provide preventive maintenance to equipment and facilities at the various Joint Powers Authority pump stations.

5405.1 Energy – Energy costs for recycled water pump stations. Energy costs include electrical pumping charges from the Tapia plant (SCE), recycled water pump station electrical pumping charges (SCE), and the purchase of lower cost solar generated electricity from Solar City.

5410 Supplies/Materials – Funds to purchase supplies and materials used during annual preventive maintenance on JPA RW pump control valves.

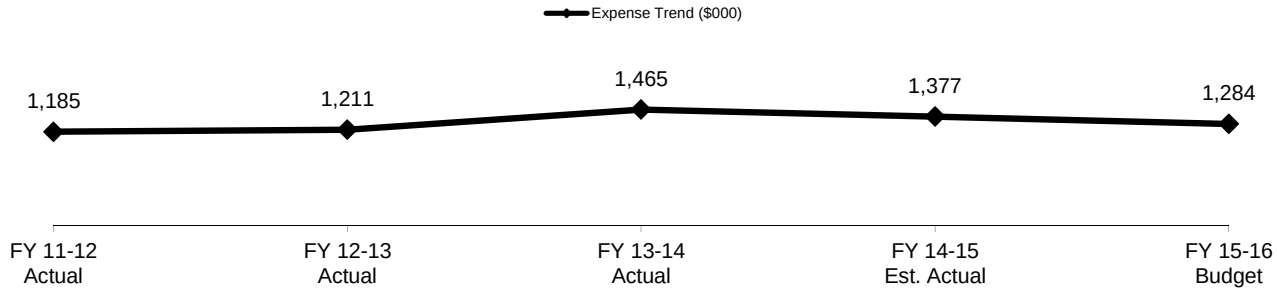
MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS
5500 Labor – Primarily labor hours worked by Maintenance Section personnel to perform major maintenance and repair tasks to pumps, motors, and other equipment at Joint Powers Authority (JPA) recycled water pump stations.

5510 Supplies/Materials – Funds to purchase supplies and materials used by staff for maintenance of JPA recycled water pump stations.

5515 Outside Services – Funds to hire any maintenance providers required to assist in maintaining the JPA recycled water pump stations. Expense is primarily related to pest control activities at JPA RW pump stations.

Las Virgenes - Triunfo
Joint Powers Authority
RW Pump Stations - 751100

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$27,792	$21,944	$34,886	$26,787	$42,633	$28,464
5405.1 Electricity	971,031	1,087,035	1,326,341	1,049,947	1,172,723	1,122,544
5410 Supplies/Material	17,270	7,418	18,644	12,187	13,000	13,000
5415 Outside Services	0	660	275	0	2,500	2,500
Sub-total	$1,016,093	$1,117,057	$1,380,146	$1,088,921	$1,230,856	$1,166,508
MAINTENANCE DIVISION EXPENSE						
5500 Labor	43,726	24,328	5,194	19,286	34,407	26,693
5510 Supplies/Material	10,376	5,738	14,748	7,500	3,505	7,500
5515 Outside Services	899	968	1,882	720	700	1,250
Sub-total	$55,001	$31,034	$21,824	$27,506	$38,612	$35,443
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	80,148	44,455	42,107	50,517	75,167	57,552
7226 Allocated Operations Services	34,080	18,028	21,107	22,247	32,095	24,247
Sub-total	$114,228	$62,483	$63,214	$72,764	$107,262	$81,799
TOTAL EXPENSES	**$1,185,322**	**$1,210,574**	**$1,465,184**	**$1,189,191**	**$1,376,730**	**$1,283,750**



JOINT POWERS AUTHORITY
RW Tanks, Reservoirs and Wells – 751200

FUNCTION
To provide appropriate training, operating, preventive maintenance and maintenance and repair programs on a timely basis to preserve Joint Powers Authority (JPA) assets and to ensure Joint Powers Authority tanks, reservoirs, and wells are operated safely, efficiently and cost-effectively to provide adequate storage for daily and emergency uses of recycled water.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

SOURCE OF SUPPLY
5115 Purchased Water – Potable water supplement required in the Joint Powers Authority distribution system for maintenance needs. During the rehabilitation of Reservoir 2 in FY 14-15, 89.06 acre-feet of potable water was purchased to meet the operational challenges presented by the temporary loss of storage capacity.

OPERATING EXPENSE LINE ITEM EXPLANATIONS
5400 Labor – Funds for labor hours worked by Water Treatment and Production employees and Water Reclamation staff to operate and provide preventive maintenance at recycled water storage tanks and reservoirs and at well sites used to supplement inflow to Tapia WRF.

5405.1 Electricity – Funds for electrical energy used to power equipment at Cordillera Tank and to operate Westlake Wells 1 and 2.

5405.2 Telephone – Funds for a SCADA communications used at Cordillera Tank site.

5410 Supplies and Material – Funds miscellaneous supplies and materials for system operation including erosion/runoff control and maintenance supplies.

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5415 Outside Services – Funds to hire appropriate outside service providers to assist with the annual cleaning of Cordillera, Indian Hills and Reservoir 3 to maintain the quality of the water within the recycled water distribution system. Includes expenditures related to weed abatement, landscape maintenance, and septic service.

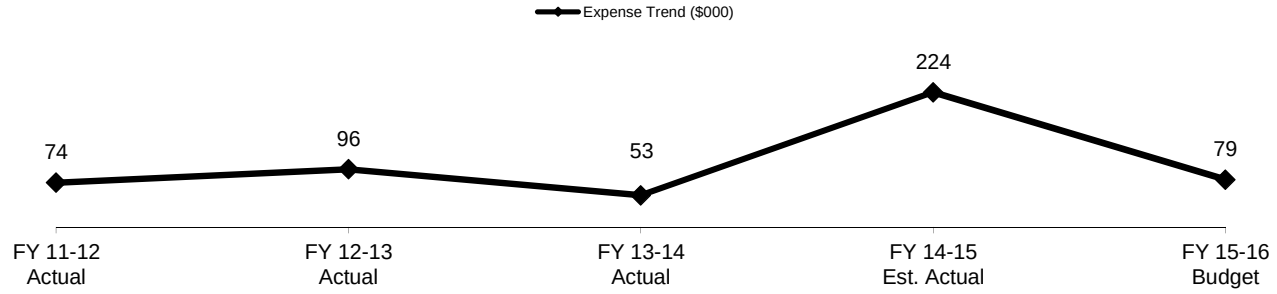
MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS
5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance.

5510 Supplies/Materials – Items required by staff to maintain the tanks, reservoirs and wells in the recycled water system.

5515 Outside Services – Funds to hire any maintenance providers required to assist in maintaining the sites, such as fence repair and pest control. FY12-13 expenditure was for Westlake Well #2 pump and motor repair.

Las Virgenes - Triunfo
Joint Powers Authority
RW Tanks, Reservoirs and Wells - 751200

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
SOURCE OF SUPPLY						
5115 Purchased Water - Potable Suppl	$0	$0	$0	$0	136,529	$0
OPERATIONS DIVISION EXPENSE						
5400 Labor	19,309	20,582	9,797	14,983	13,947	16,663
5405.1 Electricity	10,559	12,444	16,929	14,150	16,250	13,311
5405.2 Telephone	400	487	607	564	564	564
5410 Supplies/Material	2,902	4,686	1,267	3,000	2,200	2,952
5415 Outside Services	6,682	7,995	5,398	8,500	7,100	14,000
5420 Permits and Fee	100	295	100	100	100	100
5425 Consulting Services	0	0	0	0	0	0
Sub-total	$39,952	$46,489	$34,098	$41,297	$40,161	$47,590
MAINTENANCE DIVISION EXPENSE						
5500 Labor	288	2,649	992	950	11,365	1,407
5510 Supplies/Material	0	(17)	0	0	0	0
5515 Outside Services	353	14,386	516	348	1,200	1,200
Sub-total	$641	$17,018	$1,508	$1,298	$12,565	$2,607
SPECIALTY EXPENSES						
5710.2 Technical Services	0	0	0	0	0	0
Sub-total	$0	$0	$0	$0	$0	$0
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	23,229	23,192	11,365	18,430	24,645	20,232
7226 Allocated Operations Services	9,876	9,405	5,698	8,115	10,524	8,524
Sub-total	$33,105	$32,597	$17,063	$26,545	$35,169	$28,756
TOTAL EXPENSES	**$73,698**	**$96,104**	**$52,669**	**$69,140**	**$224,424**	**$78,953**



JOINT POWERS AUTHORITY
RW System Operation – 751300

FUNCTION
To provide appropriate training, operating, preventive maintenance, and maintenance and repair programs to ensure preservation of district assets and proper operation of the recycled water distribution system, including water quality review, operation of Supervisory Control and Data Acquisition (SCADA) systems, water usage data collection and storage and other necessary programs.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

OPERATING EXPENSE LINE ITEM EXPLANATIONS
5400 Labor – Primarily labor hours worked by Water Treatment and Production personnel to operate the distribution system, provide system reporting, and operate the SCADA system as these tasks relate to recycled water.

5420 Permits/Fees – Funds to pay annual fees billed by CA Department of Public Health and LA County Department of Health Services. This line item also includes bridge rental fees from the County of Los Angeles.

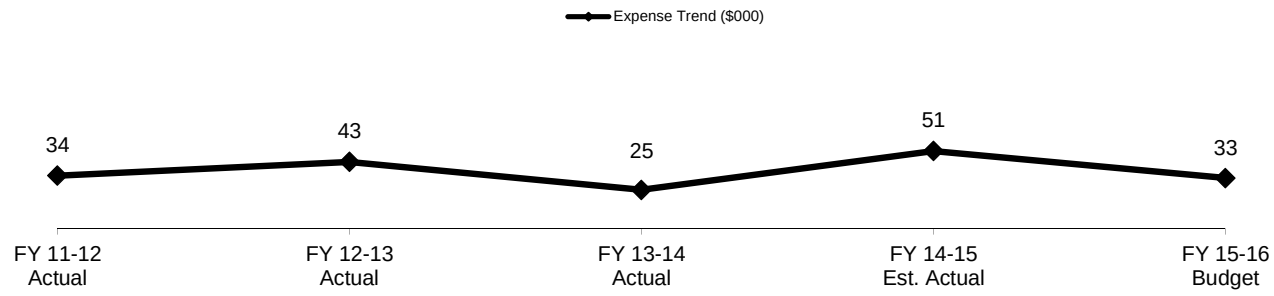
MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS
5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance and electronic services.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS
5700 SCADA Services – Labor and materials costs for services provided by Information Systems to maintain the SCADA system.

5710.2 Technical Services – The costs for any labor hours by Technical Services personnel for general assistance would be accumulated in this account.

Las Virgenes - Triunfo
Joint Powers Authority
RW System Operations - 751300

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$7,821	$12,527	$7,938	$7,754	$15,968	$8,003
5420 Permits and Fee	88	88	88	88	88	88
Sub-total	$7,909	$12,615	$8,026	$7,842	$16,056	$8,091
MAINTENANCE DIVISION EXPENSE						
5500 Labor	1,861	3,282	1,785	1,902	4,429	2,369
5510 Supplies/Material	0	0	36	0	600	600
5515 Outside Services	8,327	0	0	0	0	0
Sub-total	$10,188	$3,282	$1,821	$1,902	$5,029	$2,969
SPECIALTY EXPENSES						
5700 SCADA Services	0	1,995	0	2,565	413	2,668
Sub-total	$0	$1,995	$0	$2,565	$1,581	$2,965
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	11,461	18,155	10,151	12,789	19,531	13,253
7226 Allocated Operations Services	4,873	7,362	5,089	5,632	8,338	5,584
Sub-total	$16,334	$25,517	$15,240	$18,421	$27,869	$18,837
TOTAL EXPENSES	**$34,431**	**$43,409**	**$25,087**	**$30,730**	**$50,535**	**$32,862**



JOINT POWERS AUTHORITY
RW Distribution System – 751700

FUNCTION
To provide appropriate training, operating, preventive maintenance, and maintenance and repair programs to preserve Joint Powers Authority assets and to ensure the safe and reliable delivery of recycled water to the two Joint Powers Authority customers, Las Virgenes and Triunfo.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

OPERATING EXPENSE LINE ITEM EXPLANATIONS
5400 Labor – Labor hours performed by Water Treatment and Production employees to perform preventive maintenance work associated with the recycled water distribution system. Preventive maintenance includes operating, testing, and overhauling recycled water main line valves, blow-offs, and air-vacuum valves.

5410 Supplies/Materials – Funds to purchase items needed during minor preventive maintenance tasks within the distribution system.

5415 Outside Services – Funds for raising valve boxes, manhole covers, and maintaining appurtenances.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS
5500 Labor – Primarily labor hours worked by Construction Section personnel to provide maintenance and pipeline location in the recycled water distribution pipeline system.

5510 Supplies/Materials – Items required by staff to maintain the recycled water distribution system, such as valves, pipe, slurry backfill, etc. and to purchase materials for emergency repairs.

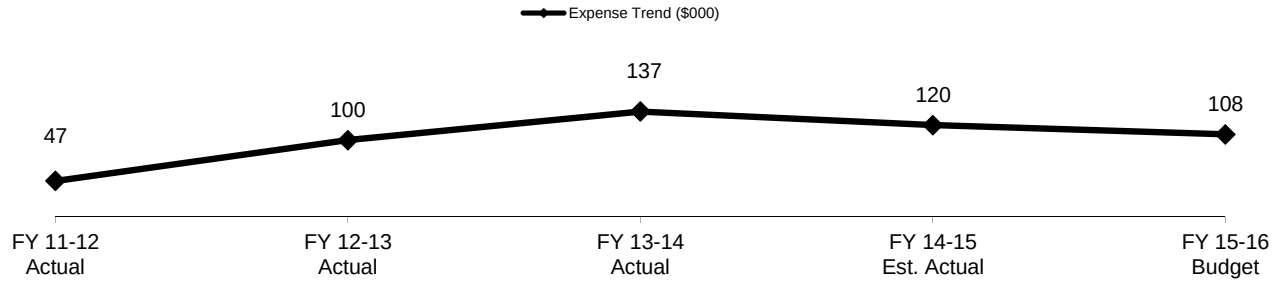
5515 Outside Services – Funds to hire any maintenance providers required to assist in maintaining the recycled water distribution system and to provide for emergency repairs as required.

5520 Permits/Fees – Funds to pay for various public works encroachment permits for repairs and inspections required by the cities and other regulatory agencies.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS
5710.2 Technical Services – The costs for labor hours by Technical Services personnel.

Las Virgenes - Triunfo
Joint Powers Authority
RW Distribution System - 751700

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$2,266	$4,324	$5,414	$3,418	$3,424	$3,976
5410 Supplies/Material	1,398	582	186	861	400	722
5415 Outside Services	0	0	0	0	0	10,000
Sub-total	$3,664	$4,906	$5,600	$4,279	$3,824	$14,698
MAINTENANCE DIVISION EXPENSE						
5500 Labor	9,599	25,630	37,940	23,792	32,862	25,364
5510 Supplies/Material	2,078	2,065	4,751	3,200	2,495	2,965
5515 Outside Services	12,725	24,801	23,833	3,000	29,500	20,453
5520 Permits and Fee	280	280	937	450	850	500
Sub-total	$24,682	$52,776	$67,461	$30,442	$65,707	$49,282
SPECIALTY EXPENSES						
5710.2 Technical Services	0	0	0	0	0	0
Sub-total	$0	$0	$0	$0	$0	$0
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	12,922	30,156	42,891	29,466	35,169	30,738
7226 Allocated Operations Services	5,495	12,229	21,501	12,978	15,016	12,949
Sub-total	$18,417	$42,385	$64,392	$42,444	$50,185	$43,687
TOTAL EXPENSES	**$46,763**	**$100,067**	**$137,453**	**$77,165**	**$119,716**	**$107,667**



JOINT POWERS AUTHORITY
Sewers – 751800

FUNCTION
To provide sewer maintenance service in those portions of the trunk sewer system which are shared by Las Virgenes Municipal Water District and Triunfo Sanitation District.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

OPERATING EXPENSE LINE ITEM EXPLANATIONS
5400 Labor – Account used to accrue labor hours worked by Reclamation Treatment personnel for oversight of sewer system located within the Joint Powers Authority (U-1 Sanitation District) area.

5405 Utilities – These sub-accounts provide funds for the utilities used at the metering stations.

5420 Permits – Anticipated fees include County of Los Angeles pipeline rental fee ($500) and state water board permit fees ($1,250). FY14 expense of $8,844 was for SWRCB WDR fees.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS
5500 Labor – Primarily labor hours worked by maintenance personnel in the Joint Powers Authority sewers located within the Joint Powers Authority (U-1 Sanitation District) area.

5510 Supplies/Materials – Items required by staff in maintaining the trunk sewer system. Increased funding is to replace manhole rings and covers.

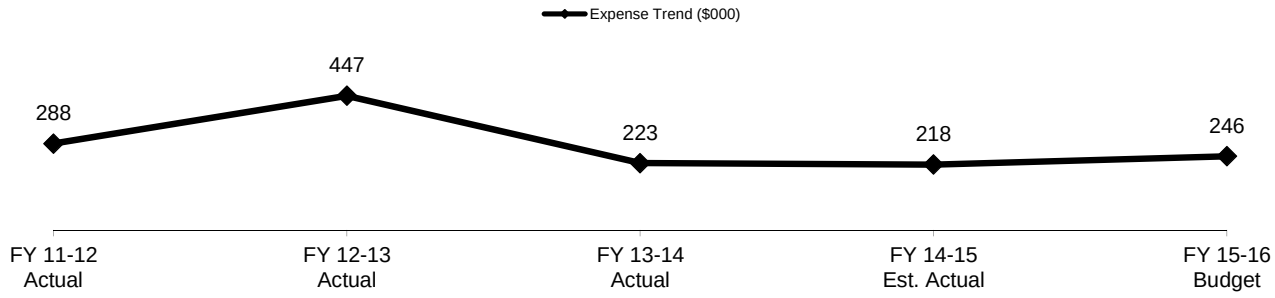
5515 Outside Services – Funds to hire maintenance providers for emergency clean up and repairs. FY12-13 funding (approximately $200,000) included the completion of the sewer bridge project that was initiated in FY11-12 (painting and repair of 11 sewer bridges; total project amount was approximately $245,000). Included in this account for FY15-16 are sewer flow monitoring costs ($24K), JPA sewer line cleaning and video inspection services ($6K).

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS
5710.2 Technical Services – The costs for labor hours by Technical Services personnel.

5715.2 Other Laboratory Services – Labor and materials to manage the Industrial Pre-treatment Program.

Las Virgenes - Triunfo
Joint Powers Authority
Sewers - 751800

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$0	$0	$0	$0	$0	$72
5405.1 Electricity	268	283	310	336	313	336
5405.4 Water	242	204	0	246	210	223
5420 Permits and Fee	472	1,695	9,316	1,750	1,700	1,750
Sub-total	$982	$2,182	$9,626	$2,332	$2,223	$2,381
MAINTENANCE DIVISION EXPENSE						
5500 Labor	69,030	71,849	74,876	72,946	67,018	73,537
5510 Supplies/Material	1,298	502	26	2,664	5,500	2,600
5515 Outside Services	73,259	234,534	27,703	30,428	49,500	30,228
Sub-total	$143,587	$306,885	$102,605	$106,038	$122,018	$106,365
SPECIALTY EXPENSES						
5710.2 Technical Services	17,495	15,625	0	3,787	0	12,627
Sub-total	$17,495	$15,625	$0	$3,787	$0	$12,627
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	88,225	87,211	73,702	82,369	65,873	87,736
7226 Allocated Operations Services	37,513	35,365	36,947	36,274	28,123	36,964
Sub-total	$125,738	$122,576	$110,649	$118,643	$93,996	$124,700
TOTAL EXPENSES	**$287,802**	**$447,268**	**$222,880**	**$230,800**	**$218,237**	**$246,073**



JOINT POWERS AUTHORITY
Treatment/Reclamation – 751810

FUNCTION

To properly operate and maintain the wastewater treatment process in order to meet regulatory requirements and protect public health.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY15-16.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

5400 Labor – Primarily labor hours worked by treatment personnel to operate and maintain the plant.

5410 Line item formerly included instrumentation replacement which is now budgeted in the IIP.

5410.10 Sodium Hypochlorite – Usage expected to be at same levels.

5410.11 Sodium Bisulfite – Usage contingent upon discharge flows to Malibu Creek.

5410.13 Aqua Ammonia – Bulk deliveries to District facilities result in cost savings.

5415 Outside Services – Funds for maintenance and specialty services for safety equipment, instruments, grit and rags disposal, service contracts for analyzers, etc.

5417 Odor Control – Carbon replacement

5420 Permits/Fees – Funds NPDES and Non-NPDES permits from Regional Water Quality Control Board and SCAQMD permits for general plant operation, generators and air pollution control devices. Includes miscellaneous permits from other agencies.

5425 Consulting Services – Funds for consultant's assistance during permit process.

5430 Capital Outlay – FY15-16 proposal includes air diffuser and boot replacement.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.

5510 Supplies/Materials – Items required for staff for maintenance of plant facilities and equipment.

5515 Outside Services – Funding for repair and maintenance of mechanical equipment including generators, blowers and switchgears.

5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.

5525 Consulting Services – Funds for assistance in maintaining PLCs.

5530 Flow meter ($6K), TIG welder repair ($6.5K), remote access control ($12K), actuators ($15K).

EFFLUENT DISPOSAL LINE ITEM EXPLANATIONS

6788 District Sprayfields – Contractor, equipment, supply, and staff costs associated with maintaining farm fields, catch basins, roads, fences and equipment, disposing of effluent as needed due to permit requirements or distribution system upsets, and harvesting vegetation to remove nitrogen applied via irrigation on the Rancho Farm fields.

6789 005 Discharge – Pumping, energy and lab costs associated with disposal of effluent through 005. Due to the high turbidity of water available from RW Reservoir #2, the District did not discharge through 005. Following completion of Reservoir #2 improvements discharge through 005 will resume as needed.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

5700 SCADA Services – Labor and materials costs for services provided by Information Systems to maintain the SCADA system.

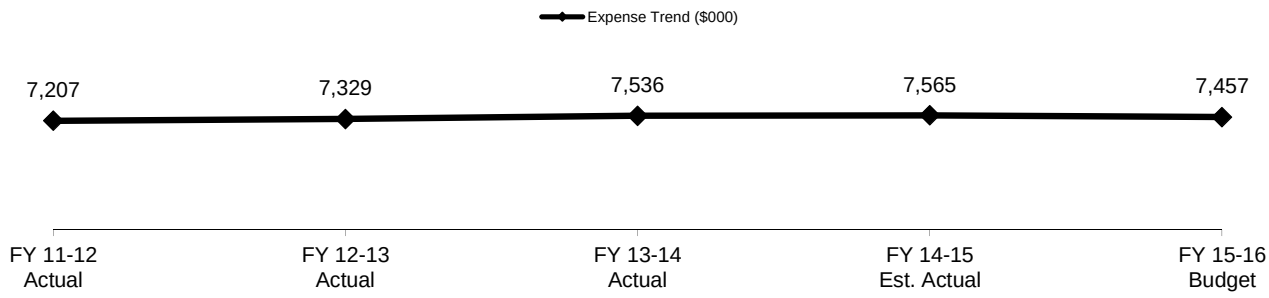
5715.2 Other Laboratory Services – Reflects outside laboratory testing. Increase due to annual bioassessment for Malibu Creek and Los Angeles River as required by the NPDES permit.

5715.3 Tapia Lab Sampling – Tapia laboratory staff costs for obtaining samples from the reclamation process.

7202 Allocated Lab Expense – Tapia laboratory costs for testing samples. Costs are based on total number of in-house tests performed for treatment divided by total number of tests performed in-house.

Las Virgenes - Triunfo
Joint Powers Authority
Treatment/Reclamation - 751810

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$1,098,137	$1,099,049	$1,071,046	$1,079,645	$1,089,691	$967,801
5405.1 Electricity	675,638	710,594	960,665	943,143	961,000	966,260
5405.2 Telephone	12,594	10,860	12,353	12,420	12,257	12,984
5405.3 Natural Gas	10,772	9,717	10,868	10,727	10,200	10,452
5405.4 Water	3,432	3,779	4,047	3,515	3,641	3,753
5410 Supplies/Material	31,264	29,526	39,840	7,000	7,000	10,000
5410.1 Fuel	7,623	4,440	4,596	5,000	7,161	7,200
5410.5 Ferric Chloride	86,187	90,209	84,096	84,675	84,000	84,709
5410.6 Defoamer/Deodorant	22,600	9,895	5,992	6,375	6,300	6,832
5410.9 Alum	19,557	31,739	25,577	25,200	25,000	25,600
5410.10 Sodium Hypochlorite	294,835	272,820	272,557	335,685	330,000	333,518
5410.11 Sodium Bisulfite	173,106	158,802	187,291	183,104	183,000	188,826
5410.13 Aqua Ammonia	0	19,732	18,298	15,000	19,500	25,000
5415 Outside Services	13,331	24,778	20,067	31,900	18,000	30,420
5417 Odor Control	30,864	43,334	45,933	46,000	41,000	41,000
5420 Permits and Fee	91,020	84,414	88,089	96,161	96,400	101,220
5425 Consulting Services	2,335	0	7,626	0	0	0
5430 Capital Outlay	35,099	51,267	38,610	23,500	0	27,500
Sub-total	$2,608,394	$2,654,955	$2,897,551	$2,909,050	$2,894,150	$2,843,075
MAINTENANCE DIVISION EXPENSE						
5500 Labor	470,622	530,156	547,300	496,251	621,717	545,640
5510 Supplies/Material	161,482	292,844	179,603	207,779	207,000	211,032
5515 Outside Services	121,216	123,528	101,893	113,400	115,000	147,546
5518 Building Maintenance	40,936	45,392	53,394	47,166	50,404	51,000
5525 Consulting Services	0	0	0	0	0	0
5530 Capital Outlay	20,142	0	21,148	0	18,500	39,500
Sub-total	$814,398	$991,920	$903,338	$864,596	$1,012,621	$994,718
EFFLUENT DISPOSAL						
6788 District Sprayfield	264,468	296,358	267,574	286,496	255,934	274,676
6789 005 Discharge	51,768	20,163	350	360	360	384
Sub-total	$316,236	$316,521	$267,924	$286,856	$256,294	$275,060
SPECIALTY EXPENSES						
5700 SCADA Services	78,151	65,173	71,457	67,927	60,551	60,631
5710.2 Technical Services	0	0	0	0	969	0
5715.2 Other Lab Services	137,338	149,051	136,252	152,499	130,000	136,000
5715.3 Tapia Lab Sampling	126,530	118,981	126,090	115,672	131,481	122,029
7202 Allocated Lab Expense	366,418	347,876	324,966	366,144	294,789	356,174
Sub-total	$708,437	$681,081	$658,765	$702,242	$617,790	$674,834
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	1,936,570	1,909,929	1,870,810	2,012,877	1,951,224	1,878,205
7226 Allocated Operations Services	823,446	774,471	937,835	886,467	833,121	791,312
Sub-total	$2,760,016	$2,684,400	$2,808,645	$2,899,344	$2,784,345	$2,669,517
TOTAL EXPENSES	**$7,207,481**	**$7,328,877**	**$7,536,223**	**$7,662,088**	**$7,565,200**	**$7,457,204**



JOINT POWERS AUTHORITY
Treatment/Composting – 751820

FUNCTION
To provide for the operation and maintenance of facilities for the conversion of biosolids to a reusable compost product while meeting all state and federal regulatory requirements and the goal of conserving resources.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

OPERATING EXPENSE LINE ITEM EXPLANATIONS
5400 Labor – Primarily labor hours worked at the Composting Facility by Composting Facility personnel to operate and provide preventive maintenance.

5405 Utilities – These sub-accounts provide funds for electric and natural gas, telephone and water.

5410 Supplies/Material – Funds for miscellaneous chemicals and supplies required to operate the Composting Facility. Significant increase in citric acid cost as well as additional dewatering due to an increase in solids.

5410.7 Polymer used in the dewatering process.

5410.8 Amendment – Amendment usage increased due to extended dewatering and centrifuge run time. Amendment cost based on purchase of materials from new vendor.

5415 Outside Services – FY15-16 expenses include boiler water treatment services ($5K) and weed abatement services ($5K).

5417 Odor Control –Biofilter media changes out annually.

5420 Permits/Fees – SCAQMD permit fees for general plant operation and LA County Department of Public Health solid waste fees.

5430 Capital Outlay – Purchase of small tools, instruments and sump pumps.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS
5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services. Includes hours for RCPO staff to manage landscape contract.

5510 Supplies/Materials – Items required for staff to maintain plant facilities and equipment. FY15-16 budget includes funding to maintain facilities at current levels.

5515 Outside Services – Funds to hire any maintenance providers to assist in maintaining plant facilities including annual gas monitoring and facility maintenance.

5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.

5530 FY15-16 request includes a heavy duty lift ($3.5K), flow meters ($10K), fiber optic control ($18K) and wiring replacement ($10K), security cameras ($15K), switchgear preventative maintenance (18,000), and actuator replacement ($15,000).

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS
5700 SCADA Services – Labor and materials costs for services provided by Information Systems to maintain the DCS system.

5710.2 Technical Services – The costs for any labor hours by Technical Services personnel.

5712 Sales/Use Tax Expense – Required tax remittance on imputed value of RLV Community Compost supplied.

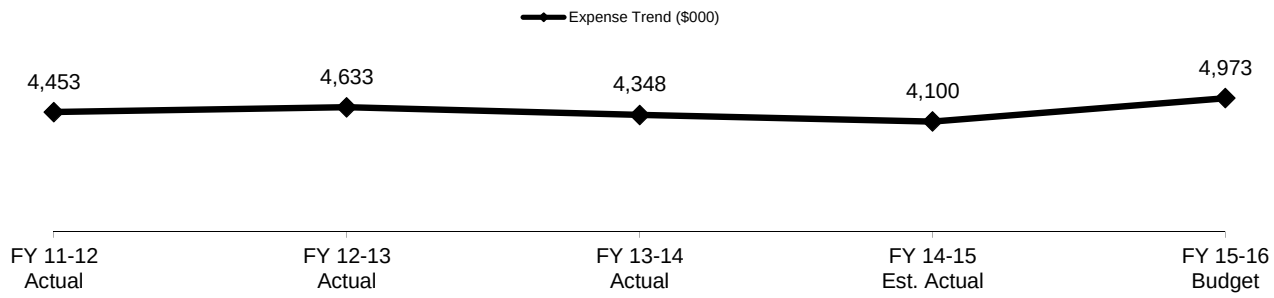
5715.2 Other Laboratory Services – Reflects outside laboratory testing associated with marketing compost.

5715.3 Tapia Lab Sampling – Tapia laboratory staff costs for obtaining samples from the composting process are direct charged to this account.

7202 Allocated Lab Expense – Tapia laboratory costs for testing samples. Costs are based on total number of in-house tests performed for composting divided by total number of tests performed in-house.

Las Virgenes - Triunfo
Joint Powers Authority
Treatment/Composting - 751820

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$720,814	$720,809	$689,383	$683,390	$680,058	$799,015
5405.1 Electricity	263,023	333,244	366,846	352,222	369,051	361,914
5405.2 Telephone	6,605	5,008	7,627	7,400	6,168	6,536
5405.3 Natural Gas	740	3,451	914	720	1,980	2,000
5405.4 Water	7,145	7,142	5,746	7,385	7,600	7,800
5410 Supplies/Material	39,153	43,927	41,787	41,052	40,500	41,000
5410.1 Fuel	10,246	9,916	6,447	9,600	9,000	8,900
5410.7 Polymer	122,423	195,755	167,894	126,898	160,000	162,024
5410.8 Amendment	111,041	206,434	242,394	203,000	176,612	186,623
5415 Outside Services	230,076	15,608	4,636	22,119	7,283	9,800
5417 Odor Control	56,787	24,471	53,063	66,000	65,243	67,000
5420 Permits and Fee	9,986	19,390	9,073	18,616	8,400	10,203
5430 Capital Outlay	8,624	0	0	4,210	4,210	3,000
Sub-total	$1,586,663	$1,585,155	$1,595,810	$1,542,612	$1,536,105	$1,665,815
MAINTENANCE DIVISION EXPENSE						
5500 Labor	533,369	642,792	503,417	556,139	494,331	586,815
5510 Supplies/Material	149,573	185,258	205,926	172,709	170,000	179,687
5515 Outside Services	82,462	111,847	52,338	114,398	30,000	82,215
5518 Building Maintenance	58,046	78,973	62,396	69,770	56,832	66,472
5525 Consulting Services	0	5,100	0	0	0	0
5530 Capital Outlay	0	0	26,641	31,000	30,000	89,500
Sub-total	$823,450	$1,023,970	$850,718	$944,016	$781,163	$1,004,689
SPECIALTY EXPENSES						
5700 SCADA Services	25,769	10,802	17,438	29,889	8,931	47,347
5712 Compost Sales/Use Tax	2,973	3,747	7,852	4,000	2,924	4,000
5715.2 Other Lab Services	8,814	7,605	6,594	7,992	7,395	7,992
5715.3 Tapia Lab Sampling	564	358	146	282	494	353
7202 Allocated Lab Expense	12,014	11,406	10,655	12,005	9,665	11,678
Sub-total	$50,134	$33,918	$42,685	$54,168	$29,585	$71,370
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	1,398,551	1,415,917	1,237,937	1,429,796	1,228,824	1,569,452
7226 Allocated Operations Services	594,674	574,150	620,570	629,674	524,673	661,227
Sub-total	$1,993,225	$1,990,067	$1,858,507	$2,059,470	$1,753,497	$2,230,679
TOTAL EXPENSES	**$4,453,472**	**$4,633,110**	**$4,347,720**	**$4,600,266**	**$4,100,350**	**$4,972,553**



JOINT POWERS AUTHORITY
Centrate Treatment – 751830

FUNCTION
To operate the centrate treatment facilities to allow Tapia WRF to meet its effluent nutrient requirements in the NPDES permit. The farm remains available for biosolids injection in emergency conditions.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

OPERATING EXPENSE LINE ITEM EXPLANATIONS
5400 Labor – Labor hours for farm operations including centrate treatment and potential biosolids injection.

5410.1 Fuel – Diesel fuel for use on site.

5417 Odor Control – No funds required in FY15-16

5420 Permits and Fees – RWQCB permit fees for biosolids injection and SCAQMD permits for the generator, carbon scrubber, and biofilter. FY15-16 budget proposal includes SWRQCB fees of approximately $69K.

5425 The FY12-13 expenditure of $21,090 was for a cathodic protection investigation by HDR Consultants.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS
5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.

5510 Supplies/Materials – Items required for maintenance of equipment associated with centrate treatment. Unanticipated purchase in FY12-13 was for Sulzer impeller.

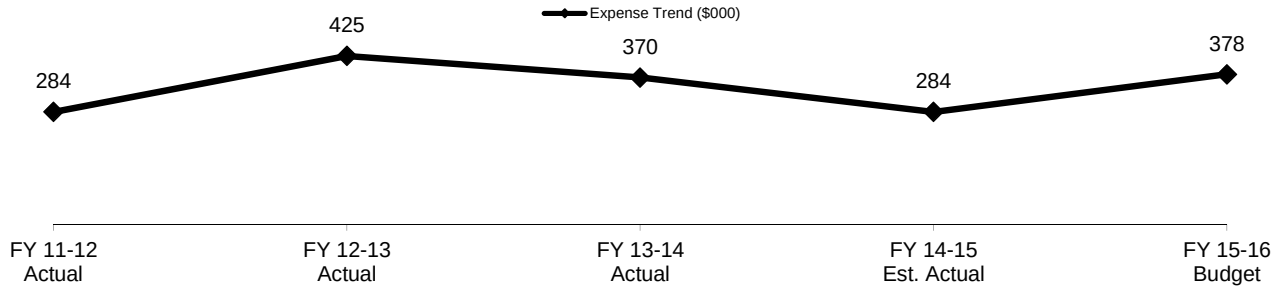
5515 Outside Services – Funds to hire any maintenance providers required to assist in building maintenance such as janitor, alarms, trash collection, etc. Increased funding due to maintenance of equipment associated with centrate treatment. Significant expenses include National Plant Services for tank cleaning ($8K). Other services include compressor maintenance, refuse disposal, pest control and security services.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS
5710.2 Technical Services – The costs for any labor hours by Technical Services personnel for assistance would be accumulated in this account.

5715 Laboratory Services – Tapia Laboratory service and outside laboratory service costs are charged to these accounts.

Las Virgenes - Triunfo
Joint Powers Authority
Treatment/Centrate Treatment - 751830

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$27,629	$27,279	$25,275	$27,652	$13,565	$26,247
5405.1 Electricity	68,670	58,852	75,411	69,531	74,500	79,200
5405.4 Water	157	831	727	806	741	738
5410 Supplies/Material	0	1,069	0	0	0	0
5410.1 Fuel	718	2,261	4,936	2,500	2,500	2,500
5415 Outside Services	0	0	0	0	0	0
5417 Odor Control	0	0	263	0	0	0
5420 Permits and Fee	53,343	52,282	66,168	68,175	69,764	72,150
5425 Consulting Services	0	21,090	2,516	0	0	0
Sub-total	$150,517	$163,664	$175,296	$168,664	$161,070	$180,835
MAINTENANCE DIVISION EXPENSE						
5500 Labor	12,623	48,310	33,241	37,027	18,113	32,459
5510 Supplies/Material	4,067	29,562	18,784	11,300	4,500	10,000
5515 Outside Services	3,395	22,178	6,047	17,197	8,500	12,340
Sub-total	$20,085	$100,050	$58,072	$65,524	$31,113	$54,799
SPECIALTY EXPENSES						
5715.2 Other Lab Services	5,706	5,795	5,384	6,900	2,980	6,300
5715.3 Tapia Lab Sampling	7,896	8,944	9,100	7,481	9,316	8,535
7202 Allocated Lab Expense	24,027	22,812	21,309	24,009	19,330	23,356
Sub-total	$37,629	$37,551	$35,793	$38,390	$31,626	$38,191
ADMINISTRATIVE EXPENSES						
7225 Allocated Support Services	52,915	87,954	67,486	80,940	42,019	73,623
7226 Allocated Operations Services	22,502	35,665	33,830	35,645	17,940	31,018
Sub-total	$75,417	$123,619	$101,316	$116,585	$59,959	$104,641
TOTAL EXPENSES	**$283,648**	**$424,884**	**$370,477**	**$389,163**	**$283,768**	**$378,466**



JOINT POWERS AUTHORITY
Administration – 751840

FUNCTION
To fund general and administrative expenses specific to Joint Powers Authority operations.

SIGNIFICANT CHANGES
No significant changes are anticipated for FY15-16.

LINE ITEM EXPLANATIONS
5400 Labor – The costs for any labor hours worked on administrative function.

6602 School Education Program – Wastewater education initiatives, programs and tours ($5,000). Also includes programs designed to accommodate home-school students. See page AP-2

6604 Public Education Program – Quarterly tours of Rancho/Tapia ($4,000); Malibu Creek Watershed and regulatory issue outreach ($3,500); JPA activities and display advertising related to watershed, compost promotion, pharmaceutical disposal education, etc. ($10,000). See page AP-3

6606 Community Group Outreach – JPA related publications and community group outreach related to watershed stewardship and NPDES permit ($6,000), and speaker's bureau expenses ($1,000). See page AP-4

6608 Intergovernmental Coordination – Programmed funds include support for intergovernmental activities such as legislative monitoring and activities with the state legislature, county, cities, school districts, federal agencies and regulatory bodies. See page AP-5

6785 Watershed Programs – Watershed Management: Staff participation and technical assistance managing water resources (primarily surface water quality) in the Malibu Creek and upper Los Angeles River watersheds. Also includes funding for Collaborative Research projects related to the Malibu Creek TMDL issue. See page AP-8

6872 Litigation – Outside Services – All litigation, settlements, attorney fees, court costs and legal costs for general litigation that are solely for the Joint Powers Authority. FY 12-13 and FY 13-14 costs are estimated to cover legal services related to the Malibu Creek TMDL issue.

6874 Litigation – District Costs – Costs for employee depositions, trial appearance, etc. for Joint Powers Authority lawsuit cases.

6516 Other Professional Services – Federal and State Regulatory Advocacy for securing funding and providing input on regulatory issues. Regulatory and permitting assistance from outside sources for the National Pollution Discharge Elimination System (NPDES) renewal for Tapia.

6517 Audit Fees – Joint Powers Authority's share of costs related to financial statement audit.

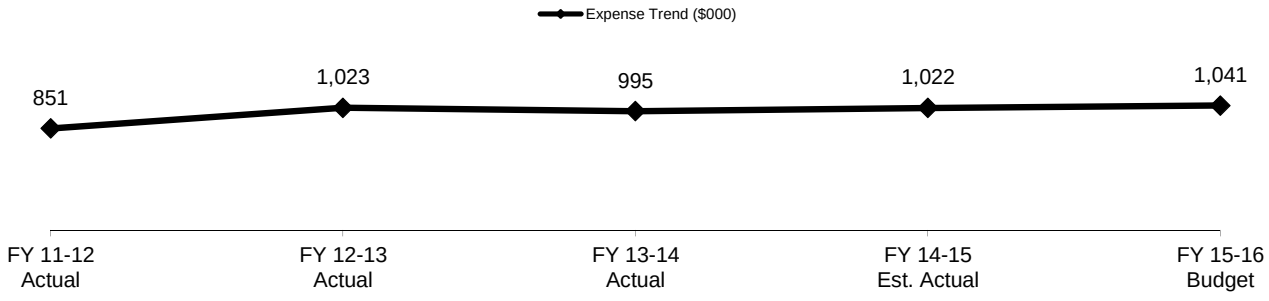
7110 Travel/Misc. Staff Expense – Travel and other expenses directly incurred in support of JPA issues.

7135 General Insurance – Property insurance costs.

6260 Rental Charge – Facilities Replacement – Internal charge to set aside funds for future facilities replacement.

Las Virgenes - Triunfo
Joint Powers Authority
Administration - 751840

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OPERATIONS DIVISION EXPENSE						
5400 Labor	$26,854	$0	$8,036	$15,028	$6,978	$10,419
5430 Capital Outlay	0	0	0	0	0	0
Sub-total	$26,854	$0	$8,036	$15,028	$6,978	$10,419
INVENTORY EXPENSES						
5536 Inventory Adjustment	2,393	9,463	50	3,100	3,000	3,100
Sub-total	$2,393	$9,463	$50	$3,100	$3,000	$3,100
PUBLIC INFORMATION						
6602 School Education Program	4,066	2,511	5,156	9,488	10,632	8,393
6604 Public Education Program	20,011	43,641	66,785	36,847	64,023	67,398
6606 Community Group Outreach	187	4,859	373	7,786	2,500	10,195
6608 Intergovernmental Coordination	8,973	5,486	1,872	11,990	6,966	10,712
Sub-total	$33,237	$56,497	$74,186	$66,111	$84,121	$96,698
RESOURCE CONSERVATION						
6785 Watershed Programs	59,600	87,932	23,796	90,840	15,232	83,596
Sub-total	$59,600	$87,932	$23,796	$90,840	$15,232	$83,596
ADMINISTRATIVE EXPENSES						
6872 Litigation/Outside Services	605	89,933	88,533	50,000	150,000	50,000
6516 Other Professional Services	0	15,069	92,259	56,540	7,085	75,000
6517 Audit Fees	6,275	5,300	5,300	5,300	5,300	5,300
7110 Travel/Misc Staff Expense	0	619	13	0	26	0
7135 General Insurance	0	0	0	0	0	0
7135.1 Property Insurance	75,323	59,731	55,127	50,675	55,181	56,726
7135.4 Earthquake Insurance	91,743	92,878	92,800	94,515	89,726	92,238
7145 Claims Paid	0	0	0	0	72,000	0
7153 TSD Staff Services	0	0	500	5,000	5,000	5,000
6260 Rental Charge - Facility Repl	331,945	355,476	389,038	380,715	389,108	337,598
7203 Allocated Building Maint	96,673	105,823	80,473	73,420	70,744	102,117
7225 Allocated Support Services	88,454	102,477	56,762	96,350	44,251	86,718
7226 Allocated Operations Services	37,610	41,554	28,456	42,431	18,894	36,533
Sub-total	$728,628	$868,860	$889,261	$854,946	$912,315	$847,230
TOTAL EXPENSES	**$850,712**	**$1,022,752**	**$995,329**	**$1,030,025**	**$1,021,646**	**$1,041,043**



ITEM 5C

INTERNAL SERVICES

The Internal Service fund is used to account for all costs related to the General Administration of the District. In addition, all personnel related costs, including salaries, benefits, training, etcetera, are administered through the Internal Service fund. Personnel working in the various enterprises account for their workload distribution through the timekeeping system. Labor costs are charged to each enterprise as determined and credits are posted to the Internal Service fund. All net accumulated costs are allocated to the various enterprise and capital project funds as described below.

The Joint Powers Authority (JPA) agreement between Las Virgenes Municipal Water District (LV) and Triunfo Sanitation District (TSD) calls for allocation of General and Administrative costs based on the actual cost of labor. General and administrative costs are defined as accounting, personnel and general management expenses. As such, Internal Service costs which are not related to the function of the JPA are excluded from the allocation process. These excluded costs include all costs for the LV Board of Directors, some of the General Manager's office costs, administration and operation of Customer Service activities, including a portion of Information Services costs, water meter maintenance, water conservation activities and new customer planning and coordination.

All remaining costs are allocated between LV enterprises (potable water, recycled water, and non-JPA sanitation), Capital Improvement Projects, and the JPA operations. The allocation is based on the labor charged through the timekeeping system to each of these operations or projects. The allocation of costs is performed monthly with a final reconciliation at year-end. Each agency's share of the allocated costs for JPA operations is billed monthly as provided in the JPA agreement.

The allocated costs are shown in the budget reports as Allocated Support Services and Allocated Operations Services. Allocated Support Services are costs which originate from cost centers that provide general central service. These cost centers include general management, departmental administration, accounting, payroll, human resources, information systems, and public information administration. Allocated Operations Services are costs which originate in operations related cost centers. These cost centers include water administration, water treatment, facilities maintenance, electrical maintenance, construction services, laboratory services, wastewater treatment, composting, and technical services.

DISTRICT STAFFING PLAN

FY 2015-16

Business Unit	DIVISION Dept/Section	2011-12 Auth Positions	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	Filled as 4/15/2015	Proposed Changes 2015-16	2015-16 Proposed Positions
	BOARD & GENERAL MANAGER							
701121	Administration	2.0	2.0	2.0	2.0	1.0	-	2.0
TOTAL GENERAL MANAGER		2.0	2.0	2.0	2.0	1.0	-	2.0

Business Unit	DIVISION Dept/Section	2011-12 Auth Positions	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	Filled as 4/15/2015	Proposed Changes 2015-16	2015-16 Proposed Positions
	RESOURCE CONSERVATION & PUBLIC OUTREACH							
701210	Administration	2.0	2.0	2.0	2.0	2.0	-	2.0
701220	Customer Service-Administration	1.0	1.0	1.0	1.0	1.0	-	1.0
701221	Customer Service Operations	15.0	15.0	15.0	15.0	13.0	-	15.0
701226	Customer Service Programs	3.0	3.0	3.0	3.0	3.0	-	3.0
701223	Resource/Watershed Conservation	3.0	3.0	3.0	3.0	2.0	1.0	4.0
701230	Public Information	3.0	3.0	3.0	3.0	2.0	-	3.0
TOTAL RESOURCE CONSERVATION & PUBLIC OUTREACH		27.0	27.0	27.0	27.0	23.0	1.0	28.0

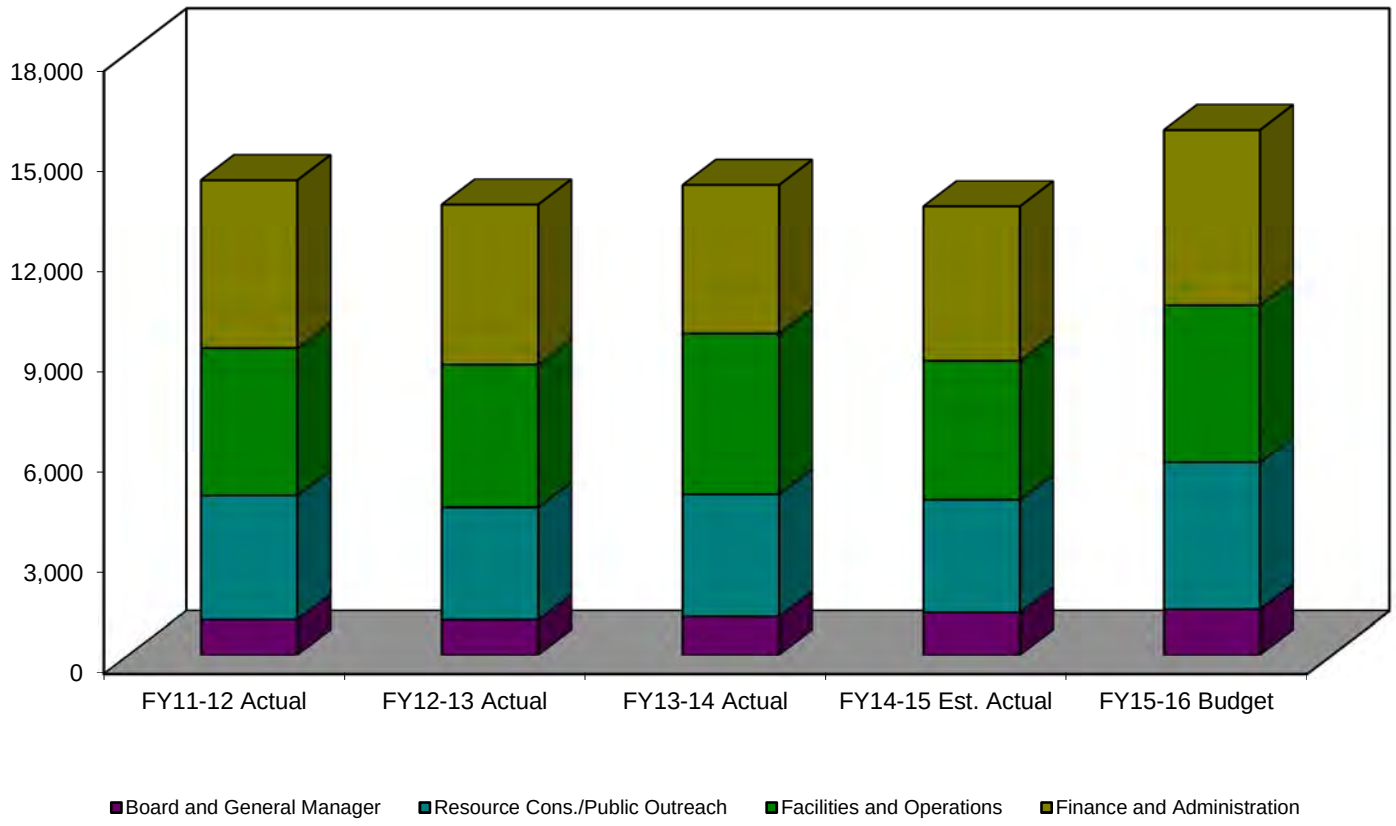
Business Unit	DIVISION Dept/Section	2011-12 Auth Positions	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	Filled as 4/15/2015	Proposed Changes 2015-16	2015-16 Proposed Positions
	FACILITIES & OPERATIONS							
701310	Administration	2.0	2.0	2.0	2.0	2.0	-	2.0
701320	Facilities Maintenance-Admin	1.2	1.2	1.2	1.2	0.7	(0.5)	0.7
701326	Electrical/Instrumentation-Maint	8.0	6.0	6.0	6.0	6.0	1.0	7.0
701321	Facilities Maintenance-Maint	7.0	8.0	8.0	8.0	8.0	-	8.0
701325	Facilities Maintenance-Fleet	1.0	1.0	1.0	1.0	1.0	-	1.0
701330	Water Division-Admin	0.8	0.8	0.8	0.8	0.3	(0.5)	0.3
701331	Water Treatment & Production	11.0	11.0	11.0	11.0	11.0	-	11.0
701322	Construction	7.0	7.0	7.0	7.0	5.0	(1.0)	6.0
701340	Reclamation Division-Admin	3.0	3.0	3.0	3.0	3.0	-	3.0
701341	Reclamation Division-Lab	6.0	6.0	6.0	6.0	6.0	-	6.0
701342	Reclamation Division-Treatment	9.0	9.0	9.0	9.0	8.0	(1.0)	8.0
701343	Reclamation Division-Composting	6.0	6.0	6.0	6.0	6.0	1.0	7.0
701350	Technical Services Division	9.0	8.0	8.0	8.0	8.0	1.0	9.0
TOTAL FACILITIES & OPERATIONS		71.0	69.0	69.0	69.0	65.0	-	69.0

Business Unit	DIVISION Dept/Section	2011-12 Auth Positions	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	Filled as 4/15/2015	Proposed Changes 2015-16	2015-16 Proposed Positions
	FINANCE & ADMINISTRATION							
701410	Administration	2.0	2.0	2.0	2.0	2.0	-	2.0
701420	Information Systems	6.0	6.0	6.0	6.0	6.0	-	6.0
701430	Human Resources/Risk Mgmt	2.0	2.0	2.0	2.0	2.0	-	2.0
701440	Accounting	9.0	9.0	9.0	9.0	9.0	-	9.0
TOTAL FINANCE & ADMINISTRATION		19.0	19.0	19.0	19.0	19.0	-	19.0

TOTAL AGENCY STAFF POSITIONS		119.0	117.0	117.0	117.0	108.0	1.0	118.0

Las Virgenes Municipal Water District
Internal Service Summary
(Dollars in Thousands)

	FY11-12 Actual	FY12-13 Actual	FY13-14 Actual	FY14-15 Est. Actual	FY15-16 Budget
Board and General Manager	1,051	1,046	1,144	1,262	1,358
Resource Cons./Public Outreach	3,680	3,330	3,626	3,337	4,368
Facilities and Operations	4,430	4,294	4,829	4,181	4,715
Finance and Administration	5,040	4,807	4,458	4,642	5,252
	14,201	13,477	14,057	13,422	15,693



Las Virgenes Municipal Water District
Internal Service Summary

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
BOARD EXPENSES						
6000 Directors' Fees	$84,107	$88,775	$83,893	$90,000	$83,200	$90,000
6005 Directors' Benefits	63,753	68,794	79,809	71,638	82,395	77,075
6010 Directors' Conference Expenses	34,357	31,716	26,724	25,000	33,000	30,000
6015 Directors' Miscellaneous	504	1,160	563	600	1,500	2,000
6020 Election Expense	0	20,888	0	60,000	60,000	0
Sub-total	$182,721	$211,333	$190,989	$247,238	$260,095	$199,075
PAYROLL EXPENSES						
6100 Staff Salaries	9,663,351	9,708,415	9,736,971	10,271,868	9,695,311	10,683,805
6102 Staff Overtime	294,027	302,449	390,665	237,096	325,692	245,554
6105 Staff Benefits	5,132,943	4,943,637	4,915,514	4,904,273	4,368,363	4,657,834
6110 Staff Taxes	989,894	949,597	951,996	967,209	853,813	1,011,878
Sub-total	$16,080,215	$15,904,098	$15,995,146	$16,380,446	$15,243,179	$16,599,071
6115 Staff Costs Recovered	(7,211,066)	(7,584,859)	(7,266,733)	(7,372,713)	(7,369,935)	(7,904,850)
Net Payroll Expenses	$8,869,149	$8,319,239	$8,728,413	$9,007,733	$7,873,244	$8,694,221
OFFICE EQUIPMENT & POSTAGE						
6200 Forms, Supplies & Postage	95,813	145,504	119,986	159,700	161,700	179,200
6205 Equipment Rental	9,284	7,729	8,415	9,300	7,700	7,700
6210 Equipment Repairs	522	2,617	608	1,500	1,000	1,500
6215 Equipment Maintenance	331,519	324,355	318,685	292,500	322,500	322,500
6220 Outside Services	114,842	150,901	133,821	257,800	187,596	366,400
6225 Radio Maintenance Expense	25,402	17,728	12,244	22,646	10,912	8,184
6230 Safety Equipment	20,541	26,513	20,261	18,743	31,475	21,022
6235 Records Management	52,917	50,991	54,384	51,000	50,000	50,000
6250 Equipment Interest Expense	8,191	6,748	4,423	4,000	0	0
Sub-total	$659,031	$733,086	$672,827	$817,189	$772,883	$956,506
PROFESSIONAL SERVICES						
6500 Legal Services	107,462	92,670	108,120	99,000	102,000	105,000
6505 Legal Advertising	8,981	6,914	16,355	9,000	14,365	15,000
6516 Other Professional Services	86,159	57,250	45,588	235,000	149,500	383,500
6517 Audit Fees	34,530	27,000	21,000	33,400	30,000	31,000
6522 Management Consultant Fees	113,107	62,979	5,815	177,500	130,000	142,500
Sub-total	$350,239	$246,813	$196,878	$553,900	$425,865	$677,000
RES CONSER/PUBLIC OUTREACH						
6602 School Education Program	9,123	8,519	4,816	8,725	4,698	15,302
6604 Public Education Program	152,054	182,162	142,080	173,617	223,912	309,581
6606 Community Group Outreach	23,425	5,240	3,226	22,512	16,636	28,672
6608 Intergovernmental Coordination	8,021	9,180	10,447	5,504	16,118	19,544
Sub-total	$192,623	$205,101	$160,569	$210,358	$261,364	$373,099
HUMAN RESOURCES						
6800 Safety	18,010	24,180	17,592	38,000	14,000	38,000
6810 Recruitment Expenses	7,653	35,580	17,553	10,000	4,000	10,000
6812 Retired Employee Benefits	693,717	787,861	862,983	915,000	909,080	969,150
6815 Employee Recognition Function	3,015	7,401	7,330	10,000	13,000	15,000
6817 Employee Survey Outreach	204	0	0	0	0	0
6820 Employee Assistance Program	0	0	0	2,000	0	1,000
6825 Employee Wellness Program	11,070	4,817	977	10,000	5,130	10,000
6830 Training & Prof. Development	68,109	77,349	88,091	166,465	90,544	165,347
6840 DOT Testing	1,050	1,050	825	1,050	1,000	1,000
6850 Unemployment Ins. Benefit	4,740	3,600	0	10,000	500	5,000
6855 Donated Sick Leave	4,241	3,558	(1,352)	0	0	0
6872 Litigation - Outside Services	71,141	75,390	131,237	100,000	38,100	100,000
Sub-total	$882,950	$1,020,786	$1,125,236	$1,262,515	$1,075,354	$1,314,497

Las Virgenes Municipal Water District
Internal Service Summary

	FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Budget	FY 14-15 Est. Actual	FY 15-16 Budget
OTHER G&A EXPENSES						
7100 Provision for Uncollectible Accts	150,207	49,694	47,011	95,000	95,000	95,000
7105 Dues/Subscriptions/Memberships	82,562	79,140	119,112	125,900	118,290	132,816
7110 Travel/Misc. Expenses	9,393	1,851	3,017	2,015	6,349	7,015
7135 General Insurance	(1)	0	0	0	0	0
7135.1 Property Insurance	26,839	32,658	32,435	33,784	32,707	33,623
7135.2 Liability Insurance	281,244	216,905	181,792	186,890	163,484	168,061
7135.3 Automobile Insurance	78,810	20,779	38,176	51,920	54,571	56,099
7135.4 Earthquake Insurance	54,379	55,052	55,005	56,061	53,183	54,672
7135.5 Excess Liability Insurance	355,384	248,609	206,111	207,531	201,897	207,550
7145 Claims Paid	0	0	3,500	0	0	0
7152 LAFCO Charges	15,144	13,198	13,405	15,000	18,500	15,000
7155 Other Expense	0	0	0	0	0	0
Sub-total	$1,053,961	$717,886	$699,564	$774,101	$743,981	$769,836
OPERATING EXPENSE						
5400 Labor	310,486	363,739	331,609	436,662	316,803	343,019
5405.1 Utilities - Energy	127,023	128,967	133,464	131,700	128,000	131,000
5405.2 Utilities - Telephone	144,741	153,936	176,756	174,827	216,120	219,828
5405.3 Utilities - Gas	21,251	19,868	24,975	21,500	20,459	21,986
5405.4 Utilities - Water	12,770	13,851	15,953	13,190	15,017	15,618
5410 Supplies/Materials	0	0	0	0	0	0
5415 Outside Services	0	0	0	0	60,000	65,000
5430 Capital Outlay	64,246	57,253	44,186	65,850	64,550	68,500
Sub-total	$680,517	$737,614	$726,943	$843,729	$820,949	$864,951
MAINTENANCE EXPENSE						
5500 Labor	245,239	361,015	372,074	370,934	376,720	422,983
5510 Supplies/Materials	519,910	192,148	419,592	596,950	164,863	596,500
5510.1 Fuel	104,484	119,749	161,331	126,900	128,522	130,837
5515 Outside Services	315,445	384,134	395,709	334,746	312,986	410,053
5520 Permits/Fee	9,704	9,727	6,086	12,611	12,486	12,515
5530 Capital Outlay	3,300	65,541	3,747	14,000	9,300	35,000
6255 Rental Charge - Vehicles	103,150	121,135	141,976	128,000	146,159	164,686
Sub-total	$1,301,232	$1,253,449	$1,500,515	$1,584,141	$1,151,036	$1,772,574
INVENTORY EXPENSE						
5536 Inventory Adjustment	8,594	6,139	12,196	9,500	7,500	9,500
GEN'L SPECIALTY EXPENSE						
5725 Supplies and Small Tools	20,560	24,536	42,037	34,811	29,462	61,393
Sub-total	$20,560	$24,536	$42,037	$34,811	$29,462	$61,393
TOTAL EXPENSES	**$14,201,578**	**$13,475,982**	**$14,056,167**	**$15,345,215**	**$13,421,733**	**$15,692,652**
ALLOCATED EXPENSES						
ALLOCATED TECHNICAL SERVICES	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
ALLOCATED CUSTOMER INFO SYSTEMS	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
ALLOCATED LABORATORY EXPENSES	**($600,684)**	**($570,289)**	**($532,731)**	**($600,236)**	**($483,259)**	**($583,893)**
ALLOCATED VEHICLE EXPENSES	**$0**	**$2**	**$1**	**$0**	**$0**	**$0**
ALLOCATED LEGAL EXPENSES	**($71,141)**	**($75,390)**	**($131,228)**	**($100,000)**	**($38,100)**	**($100,000)**
ALLOCATED OPS BLDG EXPENSES	**($193,346)**	**($211,647)**	**($160,947)**	**($146,841)**	**($141,489)**	**($204,235)**
ALLOCATED INTERNAL G&A	**($7)**	**($8)**	**$91**	**$1**	**$1**	**$1**
ALLOCATED SUPPORT SERVICES(G&A)	**($5,953,608)**	**($5,841,942)**	**($5,608,593)**	**($6,225,251)**	**($5,764,454)**	**($6,429,487)**
ALLOCATED OPERATIONS SERVICES(G&A)	**($7,382,792)**	**($6,776,708)**	**($7,622,760)**	**($8,272,888)**	**($6,994,432)**	**($8,375,038)**
TOTAL ALLOCATED EXPENSES	**($14,201,578)**	**($13,475,982)**	**($14,056,167)**	**($15,345,215)**	**($13,421,733)**	**($15,692,652)**

Las Virgenes Municipal Water District
Summary of Allocated Internal Service Costs
FY 2014-15 Estimated Actual

Central Service Provider	Total Costs	Direct Allocations	Allocated G&A Costs	Cost Recipient JPA	Total LVMWD Operations	Capital Projects	Internal G&A Allocated/ (Received)	Total Allocations
General Manager	690,078	5,468	695,546	375,768	175,331	5,883	138,564	695,546
General Manager-100% LVMWD	265,290	(38,100)	227,190	-	233,366	-	(6,176)	227,190
Board of Directors	307,364	-	307,364	-	314,265	-	(6,901)	307,364
Board of Directors & GM	1,262,732	(32,632)	1,230,100	375,768	722,962	5,883	125,487	1,230,100
RCPO Administration	356,462	-	356,462	192,576	30,361	-	133,525	356,462
Customer Service Admin	325,260	-	325,260	-	-	-	325,260	325,260
Customer Service Operations	1,135,460	440,470	1,575,930	-	2,005,378	6,448	(435,896)	1,575,930
Meter Service	609,458	-	609,458	-	759,462	-	(150,004)	609,458
Customer Service Programs	230,807	10,936	241,743	-	364,415	-	(122,672)	241,743
Resource/Watershed Conservation	266,896	5,468	272,364	-	375,068	24,198	(126,902)	272,364
Public Information	412,275	-	412,275	222,731	61,862	9,354	118,328	412,275
RCPO	3,336,618	456,874	3,793,492	415,307	3,596,546	40,000	(258,361)	3,793,492
Facilities & Operations Admin	454,153	5,468	459,621	248,313	278,335	42,133	(109,160)	459,621
Facilities Maint/Const Admin	137,294	3,833	141,127	76,245	104,075	15,754	(54,947)	141,127
Electrical	117,022	49,212	166,234	89,810	134,641	494	(58,711)	166,234
Maintenance	184,563	82,133	266,696	144,082	110,972	-	11,642	266,696
Building 8 Maintenance	403,584	-	403,584	218,038	-	-	185,546	403,584
Building 7 Maintenance	141,489	(141,489)	-	1	61,312	-	(61,313)	-
Construction	132,227	147,861	280,088	151,317	194,914	-	(66,143)	280,088
Fleet Maintenance	563,711	(563,711)	-	-	-	-	-	-
Water Administration	73,737	1,635	75,372	40,719	62,393	-	(27,740)	75,372
Water Treatment & Production	272,723	93,069	365,792	197,619	235,610	-	(67,437)	365,792
Reclamation Administration	460,121	5,468	465,589	251,534	-	-	214,055	465,589
Laboratory	472,323	(472,323)	-	1	395,055	-	(395,056)	-
Wastewater Treatment Facility	48,294	21,872	70,166	37,908	98,041	-	(65,783)	70,166
Composting Facility	126,964	21,872	148,836	80,408	150,507	-	(82,079)	148,836
Planning & Technical Services	592,686	(57,682)	535,004	277,287	90,312	436,488	(269,083)	535,004
Facilities & Operations	4,180,891	(802,782)	3,378,109	1,813,282	1,916,167	494,869	(846,209)	3,378,109
Finance & Administration Admin	1,078,611	-	1,078,611	582,719	220,595	-	275,297	1,078,611
Information Systems	1,208,773	(284,308)	924,465	516,543	136,031	20,568	251,323	924,465
Human Resources	1,190,752	-	1,190,752	643,304	140,951	21,312	385,185	1,190,752
Finance & Accounting	1,163,356	-	1,163,356	628,504	424,497	43,078	67,277	1,163,356
Finance & Administration	4,641,492	(284,308)	4,357,184	2,371,070	922,074	84,958	979,082	4,357,184
Total Allocated G&A Costs	13,421,733	(662,848)	12,758,885	4,975,427	7,157,749	625,710	(1)	12,758,885
Direct Allocations								
Allocated Laboratory Expenses				323,784	159,475	-	-	483,259
Allocated Ops Bldg Expenses				70,744	70,745	-	-	141,489
Allocated Legal Expenses				-	38,100	-	-	38,100
Total Direct Allocations				394,528	268,320	-	-	662,848
Total all Allocated Costs				5,369,955	7,426,069	625,710	(1)	13,421,733

Las Virgenes Municipal Water District
Summary of Allocated Internal Service Costs
FY 2015-16 Budget

Central Service Provider	Total Costs	Direct Allocations	Allocated G&A Costs	Cost Recipient JPA	Total LVMWD Operations	Capital Projects	Internal G&A Allocated/ (Received)	Total Allocations
General Manager	733,614	6,199	739,813	383,995	205,211	9,417	141,190	739,813
General Manager-100% LVMWD	376,100	(100,000)	276,100	-	280,851	-	(4,751)	276,100
Board of Directors	248,355	-	248,355	-	255,901	-	(7,546)	248,355
Board of Directors & GM	1,358,069	(93,801)	1,264,268	383,995	741,963	9,417	128,893	1,264,268
RCPO Administration	383,457	-	383,457	199,031	34,975	-	149,451	383,457
Customer Service Admin	390,979	-	390,979	-	-	-	390,979	390,979
Customer Service Operations	1,219,241	442,532	1,661,773	-	2,172,146	12,742	(523,115)	1,661,773
Meter Service	1,192,045	-	1,192,045	-	1,362,826	-	(170,781)	1,192,045
Customer Service Programs	203,959	12,269	216,228	-	362,689	-	(146,461)	216,228
Resource/Watershed Conservation	359,286	6,199	365,485	-	443,564	28,617	(106,696)	365,485
Public Information	619,181	-	619,181	321,384	89,228	17,676	190,893	619,181
RCPO	4,368,148	461,000	4,829,148	520,415	4,465,428	59,035	(215,730)	4,829,148
Facilities & Operations Admin	471,843	6,199	478,042	248,124	303,980	60,286	(134,348)	478,042
Facilities Maint/Const Admin	156,205	4,326	160,531	83,327	103,493	20,525	(46,814)	160,531
Electrical	304,641	36,871	341,512	177,259	214,193	266	(50,206)	341,512
Maintenance	155,605	123,013	278,618	144,615	134,910	1,477	(2,384)	278,618
Building 8 Maintenance	408,987	-	408,987	212,282	-	-	196,705	408,987
Building 7 Maintenance	204,235	(204,235)	-	1	74,991	-	(74,992)	-
Construction	89,676	159,885	249,561	129,535	201,342	-	(81,316)	249,561
Fleet Maintenance	645,735	(645,735)	-	-	-	-	-	-
Water Administration	67,501	1,808	69,309	35,975	56,619	-	(23,285)	69,309
Water Treatment & Production	239,640	104,544	344,184	178,648	258,489	1,412	(94,365)	344,184
Reclamation Administration	486,140	12,269	498,409	258,696	-	-	239,713	498,409
Laboratory	571,624	(571,624)	-	-	455,798	-	(455,798)	-
Wastewater Treatment Facility	79,639	24,538	104,177	54,071	144,849	-	(94,743)	104,177
Composting Facility	124,255	30,737	154,992	80,449	162,755	-	(88,212)	154,992
Planning & Technical Services	709,188	(60,252)	648,936	336,827	103,323	573,672	(364,886)	648,936
Facilities & Operations	4,714,914	(977,656)	3,737,258	1,939,809	2,214,742	657,638	(1,074,931)	3,737,258
Finance & Administration Admin	1,116,768	-	1,116,768	579,651	237,234	-	299,883	1,116,768
Information Systems	1,582,199	(277,671)	1,304,528	677,108	192,850	38,202	396,368	1,304,528
Human Resources	1,327,916	-	1,327,916	689,248	172,689	34,210	431,769	1,327,916
Finance & Accounting	1,224,638	-	1,224,638	635,641	489,205	66,045	33,747	1,224,638
Finance & Administration	5,251,521	(277,671)	4,973,850	2,581,648	1,091,978	138,457	1,161,767	4,973,850
Total Allocated G&A Costs	15,692,652	(888,128)	14,804,524	5,425,867	8,514,111	864,547	(1)	14,804,524
Direct Allocations								
Allocated Laboratory Expenses				391,208	192,685	-	-	583,893
Allocated Ops Bldg Expenses				102,117	102,118	-	-	204,235
Allocated Legal Expenses				-	100,000	-	-	100,000
Total Direct Allocations				493,325	394,803	-	-	888,128
Total all Allocated Costs				5,919,192	8,908,914	864,547	(1)	15,692,652

ITEM 5C

CAPITAL IMPROVEMENT PROJECTS

Each year the District prepares a Five-Year Infrastructure Investment Plan as a planning document used to identify the future facility improvements or replacement projects required by the District to maintain and improve the level of service to customers, or to achieve regulatory compliance. Annual funding approval is requested based on funding availability, priority of need and overall justification. Many projects span multiple fiscal years from design through construction and to the acceptance and ultimate use of the facility. The District appropriates funds as needed on an annual basis for the length of a project. If unforeseen delays in work result in an appropriation remaining unspent on a continuing project at the end of the fiscal year, that unspent appropriation will continue to be available for that project until the project is completed or cancelled. The projected annual expenditures shown in the following pages represent the total working capital requirements needed to complete the projects as scheduled. The FY15-16 Appropriations amounts represent additional funds needed in the upcoming year.

Each project is assigned a priority in order to develop a vocabulary of time and need sensitivity of projects relative to each other. The higher priority projects reflect projects that typically are driven by external needs, events, or regulation, rather than district needs. It is not the intent to fund only Priority 1 or Priority 2 projects and defer the Priority 3 projects. Rather the intent is to achieve a blend of projects in all Priorities consistent with fund availability.

Priority 1 – Essential Projects

- Required by law, regulation or court mandate to be accomplished immediately.
- Disaster recovery work needed to restore service.
- Emergency repairs to maintain/restore service reliability, or to resolve or correct a hazardous situation.

Priority 2 – Necessary Projects

- High need for scheduled repair, replacement or upgrade to maintain or improve service reliability.
- Safety improvement to protect life or property.
- Improvement to protect facilities, equipment and structures.
- Cost related efficiency improvements.
- Conservation of resources.
- Water quality improvement – no regulatory requirement.
- Matching funding available (like grants).
- Current demand related improvements.

Priority 3 – Desirable or Deferrable Projects

- Routine improvements or repairs to systems.
- No direct cost benefit.
- Cosmetic improvements.
- Future demand related improvements.

Projects identified in the Las Virgenes – Triunfo Joint Powers Authority Infrastructure Investment Plan have shared funding responsibility of the District and Triunfo Sanitation District consistent with the Joint Powers Authority Agreement. Allocation of costs between the two agencies for Joint Powers Authority construction or replacement costs is governed by the JPA agreement and is based on capacity rights, flow amounts and other defined criteria.

Each project is funded by one or more Capital Funds. A description of each of the LVMWD Capital Funds is:

- Recycled Water Conservation Fund – Provides for construction of new facilities or services to support new users, as well as conservation programs, such as low flow toilet rebates. Source of revenue for this Fund is a component of the Water Capacity Fee for the Water Conservation Fund.

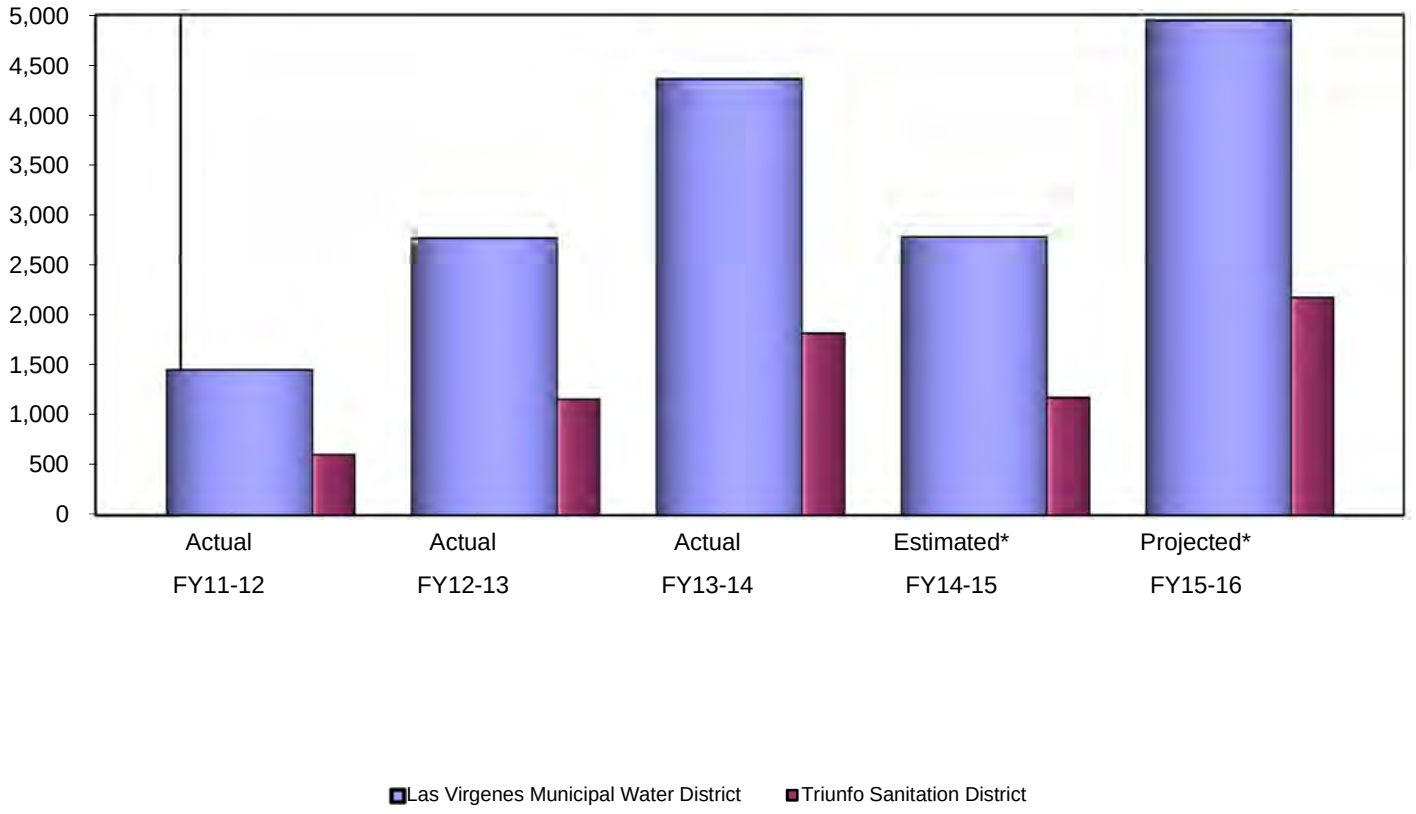
- Recycled Water Replacement Fund – Provides for the repair, upgrade, and replacement of component facilities in the existing recycled water system. Source of revenue for this Fund is Recycled Water Rates.

- Sanitation Construction Fund – Provides for construction projects related to the Sanitation System to support new demands or requirements. Source of revenue for this Fund is the Sewer Capacity Fee.

- Sanitation Replacement Fund – Provides for projects to repair, upgrade and replace component facilities in the Sanitation System. Source of revenue for this Fund is Sewer Rates.

Las Virgenes - Triunfo
Joint Powers Authority
Capital Improvement Projects
Annual Expenditures
(Dollars in Thousands)

	FY11-12 Actual	FY12-13 Actual	FY13-14 Actual	FY14-15 Estimated*	FY15-16 Projected*
Las Virgenes Municipal Water Distr	1,451	2,776	4,361	2,787	4,945
Triunfo Sanitation District	604	1,156	1,816	1,173	2,173
	2,055	3,932	6,177	3,960	7,118



*Estimated and Projected expenditures represent working capital requirements for each fiscal year.

Las Virgenes - Triunfo Joint Powers Authority
Working Capital Requirements
Capital Improvement Projects
FY14-15 and FY15-16

Job #	Title	Approved Appropriations	Prior Expenditures	Estimated Expenditures FY14-15	Projected Carryover July 1, 2015	FY15-16 Appropriation	FY15-16 Working Capital Requirement
10418	Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)						
		$443,231	$279,834	$79,200	$84,197	$0	$84,197
10446	Buffer Land at Rancho						
		$250,000	$0	$0	$250,000	$0	$250,000
10448	Rancho Polymer Feed System Rehabilitation						
		$121,000	$46,822	$0	$0	$0	$0
10487	Construct 3rd Digester at Rancho						
		$7,423,548	$6,579,466	$1,226,059	$0	$0	$0
10493	Tapia Sludge Screening						
		$385,000	$0	$0	$0	$0	$0
10512	Tapia: Primary Tank Rehabilitation						
		$685,000	$115,844	$179,144	$390,012	$0	$390,012
10513	Tapia Sluice Gate and Drive Replacement						
		$309,650	$0	$10,000	$299,650	$0	$299,650
10520	SCADA System Communication Upgrades						
		$93,100	$6,239	$0	$86,861	$0	$86,861
10522	Reservoir #2 Improvements (Lining Cover)						
		$1,607,010	$77,886	$1,564,432	$0	$0	$0
10536	Agoura Road Recycled Water Main - Ladyface to Cornell Road						
		$423,103	$89,889	($89,889)	$0	$0	$0
10537	Raw Sludge Wet Well Mixing Improvements						
		$100,000	$0	$0	$100,000	$27,000	$127,000
10538	Tapia Channel Mixing Improvements						
		$1,109,242	$32,449	$108,321	$968,472	$0	$968,472
10540	Lost Hill Overpass Recycled Water Main Relocation						
		$363,744	$49,243	$52,212	$262,289	$0	$262,289
10544	Centrate Tank Cathodic Protection (CP) System Replacement						
		$143,937	$36,108	$107,829	$0	$0	$0
10549	Rancho Las Virgenes Compost Facility Agitator Control Upgrade						
		$27,564	$13,564	$0	$14,000	$0	$14,000
10551	Centrate System - New Pump Impellers						
		$35,000	$0	$0	$35,000	$0	$35,000
10559	Manhole Rehabilitation, F2/F3 Line						
		$15,000	$0	$29,500	($14,500)	$276,500	$262,000
10560	Rancho: Rehabilitate Existing Centrate Line						
		$175,390	$0	$0	$175,390	$0	$175,390
10561	NPDES Permit Renewal						
		$25,000	$0	$0	$0	$0	$0
10562	Tapia Structural Repairs						
		$46,500	$0	$46,500	$0	$0	$0
10563	Tapia Supplemental Carbon Study						
		$85,000	$0	$0	$0	$0	$0

Las Virgenes - Triunfo Joint Powers Authority
Working Capital Requirements
Capital Improvement Projects
FY14-15 and FY15-16

Job #	Title	Approved Appropriations	Prior Expenditures	Estimated Expenditures FY14-15	Projected Carryover July 1, 2015	FY15-16 Appropriation	FY15-16 Working Capital Requirement
10564	Centrate Equalization Tank	$890,000	$0	$60,000	$830,000	$360,519	$1,190,519
10565	Rancho Las Virgenes Digester Cleaning and Repair	$287,500	$0	$0	$287,500	$0	$287,500
10566	Tapia Alternative Disinfection Safety Improvements	$85,750	$0	$85,700	$0	$0	$0
10567	Programmable Logic Controller Upgrades	$216,500	$0	$0	$216,500	$0	$216,500
10570	Rancho Las Virgenes Composting Facility: Purchase of New Loader	$180,000	$0	$180,000	$0	$0	$0
10573	Sewer Grit Handling	$50,000	$0	$50,000	$0	$0	$0
10574	Rancho Facility Improvements	$174,500	$0	$84,000	$90,500	$209,500	$300,000
10579	Security Upgrades - JPA	$5,000	$0	$4,500	$500	$27,000	$27,500
10580	Tapia Equipment Replacement	$70,750	$0	$70,000	$0	$0	$0
10582	Tapia Balancing Pond Sealant Replacement	$80,500	$0	$80,500	$0	$0	$0
10587	Recycled Water Storage Study	$300,000	$0	$0	$300,000	$15,164	$315,164
10588	Woodland Hills Golf Course RW Pipeline Extension	$310,000	$0	$0	$310,000	$1,028,638	$1,338,638
10589	WIMS Software Implementation	$32,350	$0	$32,350	$0	$0	$0
99928	Tapia Primary Flow Diversion	$0	$0	$0	$0	$44,000	$44,000
99950	Tapia Electrical and Instrumentation Upgrades	$0	$0	$0	$0	$137,250	$137,250
99973	Tapia Water Reclamation Facility Reliability Improvements	$0	$0	$0	$0	$100,000	$100,000
99977	Rancho Reliability Improvements	$0	$0	$0	$0	$100,000	$100,000
99979	Miscellaneous RW Extension	$0	$0	$0	$0	$106,000	$106,000
Total CIP Budget		$16,549,869	$7,327,344	$3,960,358	$4,686,371	$2,431,571	$7,117,942

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10418	**Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)**	Cao	3 Continuing	Appr. $443,231 Exp. $359,034	**$0**

Rehabilitation of 18" RW pipe between Tapia and Mulholland Highway due to excessive failure rate. Cost estimate is based on the installation of an active cathodic protection system. The project is divided in three phases: 1) FY12-13; 2) FY13-14; 3) FY14-15.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10446	**Buffer Land at Rancho**	Zhao	3 Continuing	Appr. $250,000 Exp. $0	**$0**

Potential land acquisition of additional buffer land around Rancho.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10448	**Rancho Polymer Feed System Rehabilitation**	Dingman	2 Deferred	Appr. $121,000 Exp. $46,822	**$0**

The polymer feed system at Rancho needs to be evaluated and updated. The addition of polymer aging tanks and new mixers and a potential heating system will allow for a lower polymer dosage and better efficiency.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10487	**Construct 3rd Digester at Rancho**	Zhao	2 Completed	Appr. $7,423,548 Exp. $7,805,525	**$0**

Construct a third anaerobic digester at the Rancho Composting Facility including heating, mixing and gas collection. Convert the two existing digesters from steam injection heating to hot water heat exchangers.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Construction	20.00%	70.60%	29.40%
Sanitation Replacement	80.00%		

Estimated Impact on Annual Operating Expense $0

10493	**Tapia Sludge Screening**	Dingman	3 Deferred	Appr. $385,000 Exp. $0	**$0**

Install a screener for primary and secondary sludge at Tapia. Includes design, piping modifications and odor control.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10512	**Tapia: Primary Tank Rehabilitation**	Maple	2 Continuing	Appr. $685,000 Exp. $294,988	**$0**

Concrete repair and the installation of a protective coating in the tanks. This project also includes the replacement of existing aluminum launders with fiberglass launders, new coatings for inlet diffusers and gate replacement.Design will completed in FY13-14. The same design basis will be used for all tanks over the multiyear project.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10513	**Tapia Sluice Gate and Drive Replacement**	Maple	2 Continuing	Appr. $309,650 Exp. $10,000	**$0**

Replaces existing gates in the tanks and channels at Tapia as well as drive mechanisms for flights and chains.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10520	**SCADA System Communication Upgrades**	Schlageter	2 Continuing	Appr. $93,100 Exp. $6,239	**$0**

Migration of the existing communication system from a serial radio network to an Ethernet based radio network. Provide redundant data paths for uninterrupted communication. Eliminate need to rely on telephone company equipment.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10522	**Reservoir #2 Improvements (Lining Cover)**	Dingman	1 Completed	Appr. $1,607,010 Exp. $1,642,318	**$0**

A study was completed in 2013 to define the scope of work. The scope includes lining the earthen sides and covering the water surface of recycled water reservoir #2 with shade balls. The bottom of the reservoir is currently concrete.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10536	**Agoura Road Recycled Water Main - Ladyface to Cornell Road**	Schlageter	2 Cancelled	Appr. $423,103 Exp. $0	**$0**

To construct 5,000 feet of 8" PVC recycled water main extension along Agoura Road to Ladyface Drive to Cornell Road.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Conservation	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10537	**Raw Sludge Wet Well Mixing Improvements**	Johnson	2 Continuing	Appr. $100,000 Exp. $0	**$27,000**

Replace the existing centrifugal mixing pump with a pump that is more appropriate for sludge mixing.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10538	**Tapia Channel Mixing Improvements**	Maple	2 Continuing	Appr. $1,109,242 Exp. $140,770	**$0**

Replace the air piping and drop legs in the channels at Tapia.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10540	**Lost Hill Overpass Recycled Water Main Relocation**	Cao	2 Continuing	Appr. $363,744 Exp. $101,455	**$0**

Relocate the existing 10" recycled water pipeline in the Lost Hills overpass to the new overpass that will under construction beginning December 2014 (FY 2014-15).

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10544	**Centrate Tank Cathodic Protection (CP) System Replacement**	Cao	2 Completed	Appr. $143,937 Exp. $143,937	**$0**

Construction of impressed current cathodic protection system for centrate treatment and storage tanks at the Rancho Las Virgenes Compost Facility.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10549	**Rancho Las Virgenes Compost Facility Agitator Control Upgrade**	Korkosz	2 Continuing	Appr. $27,564 Exp. $13,564	**$0**

During the FY11-12 shutdown of the Rancho Compost Facility (Rancho) repairs were made to the agitator #1 control system. This project will implement a similar upgrade to to the agitator #2 control system.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10551	**Centrate System - New Pump Impellers**	Johnson	2 Continuing	Appr. $35,000 Exp. $0	**$0**

Upgrade centrate system pump impellers to handle solids in the system.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10559	**Manhole Rehabilitation, F2/F3 Line**	Schlageter	2 Continuing	Appr. $15,000 Exp. $29,500	**$276,500**

The F2/F3 Sewer Rehabilitation Study identified priority 1 and 2 manholes needing repair. Work on priority 1 manholes was completed. Priority 2 manholes will be addressed in FY15-16.Fiscal Year 2014-2015 Planning funds are for the inspection of manholes.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	40.10%	59.90%

Estimated Impact on Annual Operating Expense $0

10560	**Rancho: Rehabilitate Existing Centrate Line**	Schlageter	2 Continuing	Appr. $175,390 Exp. $0	**$0**

Provide mechanical and/or chemical cleaning of minerals from the existing centrate line.No planning is needed due to the availability of existing documentation.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10561	**NPDES Permit Renewal**	Dingman	2 Cancelled	Appr. $25,000 Exp. $0	**$0**

This project provides funding for assistance from outside sources related to the National Pollution Discharge Elimination System (NPDES) Permit renewal for Tapia. Costs will be charged in JPA Admininistration Business Unit.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10562	**Tapia Structural Repairs**	Dingman	1 Completed	Appr. $46,500 Exp. $46,500	**$0**

Repair the foundation of the RAS pump station, including modifications to sub-grade to address settling. Flex coupling are also to be added to relieve pipe strain.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10563	**Tapia Supplemental Carbon Study**	Dingman	2 Completed	Appr. $85,000 Exp. $0	**$0**

Study available supplemental carbon sources to improve biological performance at Tapia.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10564	**Centrate Equalization Tank**	Schlageter	2 Continuing	Appr. $890,000 Exp. $60,000	**$360,519**

Construct a centrate equalization tank at the centrate treatment facility.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10565	**Rancho Las Virgenes Digester Cleaning and Repair**	Schlageter	1 Continuing	Appr. $287,500 Exp. $0	**$0**

To clean out and evaluate the condition of existing digesters # 1 and #2. The full scope of repairs is unknown at this time but could include coatings ,concrete patching, pipe and valve repairs, removal of the steam lances, and repairs to hatches and seals.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10566	**Tapia Alternative Disinfection Safety Improvements**	Dingman	1 Completed	Appr. $85,750 Exp. $85,700	**$0**

This project includes the installation of a canopy over the ammonia pumps and electrical control panels, handrails along the sidewalk and the installation of a toxic gas detector to detect ammonia gas leaks.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10567	**Programmable Logic Controller Upgrades**	Schlageter	2 Continuing	Appr. $216,500 Exp. $0	**$0**

This project replaces programmable logic controllers (PLC's) with newer PLCs and provides necessary equipment upgrades (fiber optics, network switches and programming) to complete the installation. This is a program project which addresses Tapia in the first three years and centrate treatment in the fourth year. Design will occur in the first year for all facilities.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10570	**Rancho Las Virgenes Composting Facility: Purchase of New Loader**	Dingman	3 Continuing	Appr. $180,000 Exp. $180,000	**$0**

Replace the existing Michigan/Volvo loader used to move amendment and compost at Rancho with a like model.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10573	**Sewer Grit Handling**	Maple	2 Completed	Appr. $50,000 Exp. $50,000	**$0**

Plan, design and build a sewer grit removal system at Tapia. This project will reduce the weight of inorganic grit that is removed and disposed as solid waste.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

10574	**Rancho Facility Improvements**	Johnson	3 Continuing	Appr. $174,500 Exp. $84,000	**$209,500**

Replace and repair significant components of the JPA's Rancho Las Virgenes Composting Facility.1) Replacement Sump Pumps (4 @ $8K/ea.) - $35,0002) Amendment Bin Overhaul (welding/coating) - $50,0003) Conveyor Screw Replacement (2) - $30,0004) Dewatering Compressor (1) - $10,000

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10579	**Security Upgrades - JPA**	Miller	3 Continuing	Appr. $5,000 Exp. $4,500	**$27,000**

Remote Access Control: $10,000 Security Cameras: $15,00 0Lock and Key Control: $5,000

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10580	**Tapia Equipment Replacement**	Dingman	2 Completed	Appr. $70,750 Exp. $70,000	**$0**

Purchase of replacement Hach MLSS Center Zero Analyser.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10582	**Tapia Balancing Pond Sealant Replacement**	Dingman	2 Completed	Appr. $80,500 Exp. $80,500	**$0**

Replace approximately 1,300' of sealant in the balancing pond.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10587	**Recycled Water Storage Study**	Zhao	2 Continuing	Appr. $300,000 Exp. $0	**$15,164**

To perform a study for potential recycled water storage area identified in 2006 TEA and 2007 RW Master Plan update and the 2012 recycled water storage feasibility study by RMC. The study would include but not be limited to geological, environmental, CEQA, water quality and any regulatory constraints. Continuation of Project 10393.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Conservation	30.00%	70.60%	29.40%
Sanitation Construction	20.00%		
Sanitation Replacement	50.00%		

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
10588	**Woodland Hills Golf Course RW Pipeline Extension**	Schlageter	2 Continuing	Appr. $310,000 Exp. $0	**$1,028,638**

Installation of a 16 inch pipeline from the intersection of Park Granada and Park Capri (Calabasas) to the Los Angeles city boundary and extending to the Woodland Hills Country Club. The JPA will manage the development of the preliminary design, environmental documentation (with CEQA) and final design and construction of the project. The JPA will be reimbursed for all costs related to this project by the LADWP FY 2014-2015 activity includes development of a Preliminary Design Report (PDR) for the project. Construction costs will be added once the PDR provides a construction cost estimate. Continuation of Project 10474.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Conservation	100.00%	70.60%	29.40%

Other Funding from: Los Angeles Dept. of Water & Power $12,350,000

Estimated Impact on Annual Operating Expense $0

10589	**WIMS Software Implementation**			Appr. $32,350 Exp. $32,350	**$0**

Completed

Purchase and installation of Water Information Management solution.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

99928	**Tapia Primary Flow Diversion**	Dingman	1 New	Appr. $0 Exp. $0	**$44,000**

Installation of permanent piping to convey primary effluent to RAS re-aeration basins.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

99950	**Tapia Electrical and Instrumentation Upgrades**	Korkosz	3 New	Appr. $0 Exp. $0	**$137,250**

1 - Replace obsolete and malfunctioning mechanical protective relays for generators with new solid state controls. The controls will provide better generator protection and troubleshooting capabilities (generators 1 & 2): $75,0002 - Install roots blower/motor vibration system to protect expensive motor and reduce repair cycle: $6,0003 - Roots interface upgrade: $20,0004 - Replace failing sludge force main flow meter: $4,0005 - Replace failing and inefficient facility lighting: $25,000

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

JPA - Capital Improvement Project Detail, FY2015-16

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
99973	**Tapia Water Reclamation Facility Reliability Improvements**	Lippman	3 New	Appr. $0 Exp. $0	**$100,000**

Replace or rehabilitate facilities and equipment at the Tapia Water Reclamation Facility (WRF) based on failure, exceedence of useful life, or obsolescence. Specific projects are identified for each fiscal year.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
99977	**Rancho Reliability Improvements**	Lippman	2 New	Appr. $0 Exp. $0	**$100,000**

Replace or rehabilitate facilities and equipment at the Rancho facility based on failure, exceedence of useful life, or obsolescence. Specif project are identified for each fiscal year.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Sanitation Replacement	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2015	FY15-16 Appropriations
99979	**Miscellaneous RW Extension**	Lippman	2 Annual	Appr. $0 Exp. $0	**$106,000**

Funding to develop miscellaneous recycled water system extensions.

Project Funding:		JPA Share - LV:	JPA Share - TSD:
Recycled Water Conservation	100.00%	70.60%	29.40%

Estimated Impact on Annual Operating Expense $0

Total Capital Improvement Project Appropriations **$2,431,571**

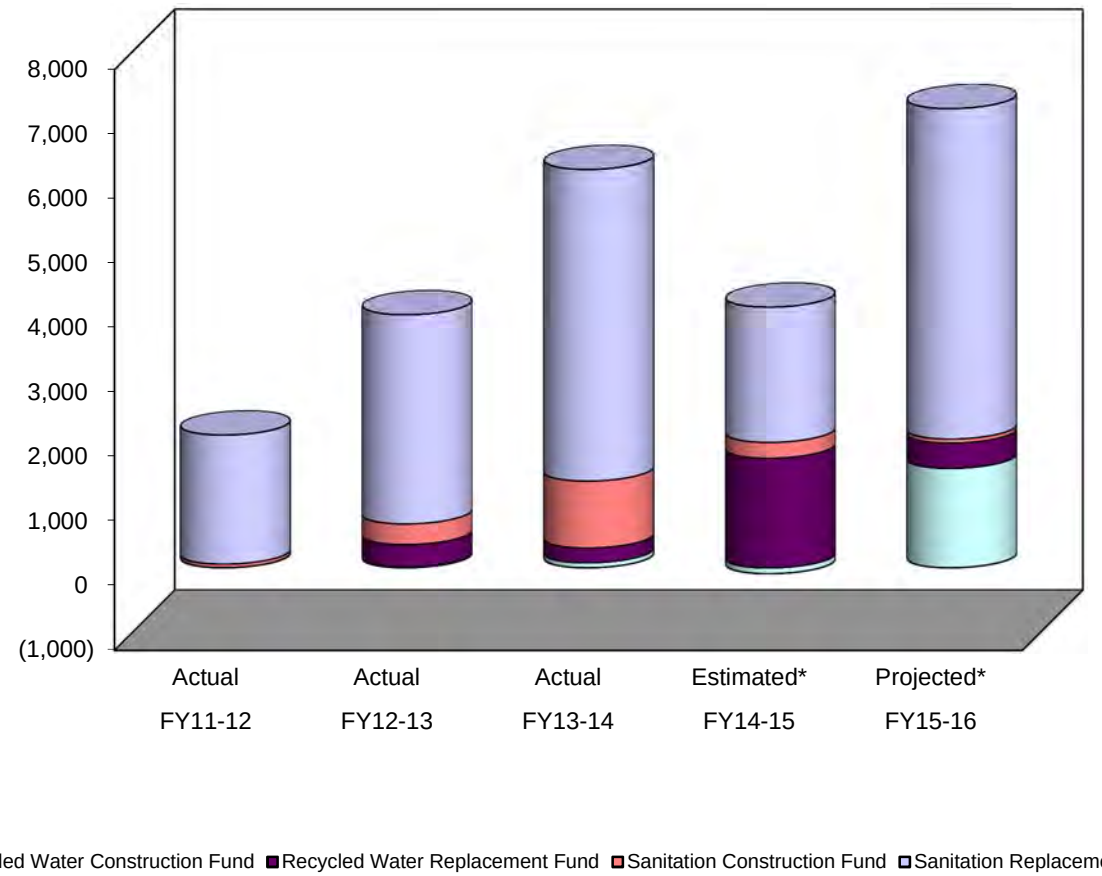
Total Other Funding ***$12,350,000***

Total Estimated Impact on Annual Operating Expense $0

Appropriations by Fund	FY 2015-16 Appropriations	TSD Share	LVMWD Share
Recycled Water Conservation	**$1,139,187**	**$334,921**	**$804,266**
Recycled Water Replacement	**$44,000**	**$12,936**	**$31,064**
Sanitation Construction	**$3,033**	**$892**	**$2,141**
Sanitation Replacement	**$1,245,351**	**$450,466**	**$794,885**
GRAND TOTAL	**$2,431,571**	**$799,214**	**$1,632,357**

Las Virgenes - Triunfo
Joint Powers Authority
Capital Improvement Projects
Annual Expenditures
(Dollars in Thousands)

	FY11-12 Actual	FY12-13 Actual	FY13-14 Actual	FY14-15 Estimated*	FY15-16 Projected*
Recycled Water Construction Fund	-	13	77	(90)	1,539
Recycled Water Replacement Fund	2	346	228	1,696	391
Sanitation Construction Fund	55	320	1,037	245	63
Sanitation Replacement Fund	1,998	3,253	4,835	2,109	5,125
	2,055	3,932	6,177	3,960	7,118



*Estimated and Projected expenditures represent working capital requirements for each fiscal year.

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
WORKING CAPITAL REQUIREMENT by FUND
FY 2015-16

WORK ORDER NO.	PROJECT NAME / FUND	FY 2015-16 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2015-16 ALLOCATED REQUIREMENTS	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
	Recycled Water Conservation							
10587	Recycled Water Storage Study							
		$315,164	30.0%	94,549	29.4%	27,797	70.6%	66,752
10588	Woodland Hills Golf Course RW Pipeline Extension							
		$1,338,638	100.0%	1,338,638	29.4%	393,560	70.6%	945,078
99979	Miscellaneous RW Extension							
		$106,000	100.0%	106,000	29.4%	31,164	70.6%	74,836
Total:	**Recycled Water Conservation**			**1,539,187**		**452,521**		**1,086,666**
	Recycled Water Replacement							
10418	Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)							
		$84,197	100.0%	84,197	29.4%	24,754	70.6%	59,443
10540	Lost Hill Overpass Recycled Water Main Relocation							
		$262,289	100.0%	262,289	29.4%	77,113	70.6%	185,176
99928	Tapia Primary Flow Diversion							
		$44,000	100.0%	44,000	29.4%	12,936	70.6%	31,064
Total:	**Recycled Water Replacement**			**390,486**		**114,803**		**275,683**
	Sanitation Construction							
10587	Recycled Water Storage Study							
		$315,164	20.0%	63,033	29.4%	18,532	70.6%	44,501
Total:	**Sanitation Construction**			**63,033**		**18,532**		**44,501**
	Sanitation Replacement							
10446	Buffer Land at Rancho							
		$250,000	100.0%	250,000	29.4%	73,500	70.6%	176,500
10512	Tapia: Primary Tank Rehabilitation							
		$390,012	100.0%	390,012	29.4%	114,664	70.6%	275,348
10513	Tapia Sluice Gate and Drive Replacement							
		$299,650	100.0%	299,650	29.4%	88,097	70.6%	211,553
10520	SCADA System Communication Upgrades							
		$86,861	100.0%	86,861	29.4%	25,537	70.6%	61,324
10537	Raw Sludge Wet Well Mixing Improvements							
		$127,000	100.0%	127,000	29.4%	37,338	70.6%	89,662
10538	Tapia Channel Mixing Improvements							
		$968,472	100.0%	968,472	29.4%	284,731	70.6%	683,741
10549	Rancho Las Virgenes Compost Facility Agitator Control Upgrad							
		$14,000	100.0%	14,000	29.4%	4,116	70.6%	9,884

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
WORKING CAPITAL REQUIREMENT by FUND
FY 2015-16

WORK ORDER NO.	PROJECT NAME / FUND	FY 2015-16 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2015-16 ALLOCATED REQUIREMENTS	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
10551	Centrate System - New Pump Impellers	$35,000	100.0%	35,000	29.4%	10,290	70.6%	24,710
10559	Manhole Rehabilitation, F2/F3 Line	$262,000	100.0%	262,000	59.9%	156,938	40.1%	105,062
10560	Rancho: Rehabilitate Existing Centrate Line	$175,390	100.0%	175,390	29.4%	51,565	70.6%	123,825
10564	Centrate Equalization Tank	$1,190,519	100.0%	1,190,519	29.4%	350,013	70.6%	840,506
10565	Rancho Las Virgenes Digester Cleaning and Repair	$287,500	100.0%	287,500	29.4%	84,525	70.6%	202,975
10567	Programmable Logic Controller Upgrades	$216,500	100.0%	216,500	29.4%	63,651	70.6%	152,849
10570	Rancho Las Virgenes Composting Facility: Purchase of New Lo	$0	100.0%	0	29.4%	0	70.6%	0
10574	Rancho Facility Improvements	$300,000	100.0%	300,000	29.4%	88,200	70.6%	211,800
10579	Security Upgrades - JPA	$27,500	100.0%	27,500	29.4%	8,085	70.6%	19,415
10587	Recycled Water Storage Study	$315,164	50.0%	157,582	29.4%	46,329	70.6%	111,253
99950	Tapia Electrical and Instrumentation Upgrades	$137,250	100.0%	137,250	29.4%	40,352	70.6%	96,899
99973	Tapia Water Reclamation Facility Reliability Improvements	$100,000	100.0%	100,000	29.4%	29,400	70.6%	70,600
99977	Rancho Reliability Improvements	$100,000	100.0%	100,000	29.4%	29,400	70.6%	70,600
Total:	**Sanitation Replacement**			**5,125,236**		**1,586,729**		**3,538,507**
GRAND TOTAL				**7,117,942**		**2,172,585**		**4,945,357**

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
EXPENDITURE LISTING by FUND
FY 2014-15 ESTIMATED ACTUAL

WORK ORDER NO.	PROJECT NAME / FUND	FY 2014-15 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2014-15 ALLOCATED EXPENDITURES	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
	Recycled Water Conservation							
10536	Agoura Road Recycled Water Main - Ladyface to Cornell Road							
		($89,889)	100.0%	($89,889)	29.4%	($26,427)	70.6%	($63,462)
10587	Recycled Water Storage Study							
		$0	30.0%	$0	29.4%	$0	70.6%	$0
10588	Woodland Hills Golf Course RW Pipeline Extension							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
Total:	**Recycled Water Conservation**			**($89,889)**		**($26,427)**		**($63,462)**
	Recycled Water Replacement							
10418	Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)							
		$79,200	100.0%	$79,200	29.4%	$23,285	70.6%	$55,915
10522	Reservoir #2 Improvements (Lining Cover)							
		$1,564,432	100.0%	$1,564,432	29.4%	$459,943	70.6%	$1,104,489
10540	Lost Hill Overpass Recycled Water Main Relocation							
		$52,212	100.0%	$52,212	29.4%	$15,350	70.6%	$36,862
Total:	**Recycled Water Replacement**			**$1,695,844**		**$498,578**		**$1,197,266**
	Sanitation Construction							
10487	Construct 3rd Digester at Rancho							
		$1,226,059	20.0%	$245,212	29.4%	$72,092	70.6%	$173,120
10587	Recycled Water Storage Study							
		$0	20.0%	$0	29.4%	$0	70.6%	$0
Total:	**Sanitation Construction**			**$245,212**		**$72,092**		**$173,120**
	Sanitation Replacement							
10446	Buffer Land at Rancho							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10448	Rancho Polymer Feed System Rehabilitation							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10487	Construct 3rd Digester at Rancho							
		$1,226,059	80.0%	$980,847	29.4%	$288,369	70.6%	$692,478
10493	Tapia Sludge Screening							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10512	Tapia: Primary Tank Rehabilitation							
		$179,144	100.0%	$179,144	29.4%	$52,668	70.6%	$126,476
10513	Tapia Sluice Gate and Drive Replacement							
		$10,000	100.0%	$10,000	29.4%	$2,940	70.6%	$7,060
10520	SCADA System Communication Upgrades							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10537	Raw Sludge Wet Well Mixing Improvements							
		$0	100.0%	$0	29.4%	$0	70.6%	$0

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
EXPENDITURE LISTING by FUND
FY 2014-15 ESTIMATED ACTUAL

WORK ORDER NO.	PROJECT NAME / FUND	FY 2014-15 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2014-15 ALLOCATED EXPENDITURES	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
10538	Tapia Channel Mixing Improvements							
		$108,321	100.0%	$108,321	29.4%	$31,846	70.6%	$76,475
10544	Centrate Tank Cathodic Protection (CP) System Replacement							
		$107,829	100.0%	$107,829	29.4%	$31,702	70.6%	$76,127
10549	Rancho Las Virgenes Compost Facility Agitator Control Upgrad							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10551	Centrate System - New Pump Impellers							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10559	Manhole Rehabilitation, F2/F3 Line							
		$29,500	100.0%	$29,500	59.9%	$17,671	40.1%	$11,830
10560	Rancho: Rehabilitate Existing Centrate Line							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10561	NPDES Permit Renewal							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10562	Tapia Structural Repairs							
		$46,500	100.0%	$46,500	29.4%	$13,671	70.6%	$32,829
10563	Tapia Supplemental Carbon Study							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10564	Centrate Equalization Tank							
		$60,000	100.0%	$60,000	29.4%	$17,640	70.6%	$42,360
10565	Rancho Las Virgenes Digester Cleaning and Repair							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10566	Tapia Alternative Disinfection Safety Improvements							
		$85,700	100.0%	$85,700	29.4%	$25,196	70.6%	$60,504
10567	Programmable Logic Controller Upgrades							
		$0	100.0%	$0	29.4%	$0	70.6%	$0
10570	Rancho Las Virgenes Composting Facility: Purchase of New Lo							
		$180,000	100.0%	$180,000	29.4%	$52,920	70.6%	$127,080
10573	Sewer Grit Handling							
		$50,000	100.0%	$50,000	29.4%	$14,700	70.6%	$35,300
10574	Rancho Facility Improvements							
		$84,000	100.0%	$84,000	29.4%	$24,696	70.6%	$59,304
10579	Security Upgrades - JPA							
		$4,500	100.0%	$4,500	29.4%	$1,323	70.6%	$3,177
10580	Tapia Equipment Replacement							
		$70,000	100.0%	$70,000	29.4%	$20,580	70.6%	$49,420
10582	Tapia Balancing Pond Sealant Replacement							
		$80,500	100.0%	$80,500	29.4%	$23,667	70.6%	$56,833
10587	Recycled Water Storage Study							
		$0	50.0%	$0	29.4%	$0	70.6%	$0
10589	WIMS Software Implementation							
		$32,350	100.0%	$32,350	29.4%	$9,511	70.6%	$22,839
Total: Sanitation Replacement				**$2,109,191**		**$629,100**		**$1,480,091**
GRAND TOTAL				**$3,960,358**		**$1,173,343**		**$2,787,015**

ITEM 5C

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Program Descriptions

Resource Conservation and Public Outreach Programs are included as individual line-item requests throughout the Budget. To provide a consolidated review, each Program is detailed on the following pages. This allows a more in-depth description of each Program and a more comprehensive perspective than is available within the business unit line-item explanations.

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Public Outreach Programs
School Education

FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

ACCT #	DESCRIPTION	2014-15 Adopted Budget	2014-15 Estimated Actual	2015-16 Proposed Budget
	Program Expenses			
701230.6602	School Education	8,725	4,698	15,302
101900.6602	School Education - 100% LVMWD	177,195	198,755	214,013
751840.6602	School Education - 100% JPA	9,488	10,632	8,393
	Total Expenses	$ 195,408	$ 214,085	$ 237,708

PROGRAM DESCRIPTION

All programs include staff time charged from 701230.6100 and other units.

701230.6602 Staff support for Outdoor Education including educational materials.

101900.6602 Includes LVUSD water science education school initiative ($107,000); annual primary school poster contest and related calendar ($7,500); elementary school theatrical presentations and related take-home support materials ($8,800); secondary school outreach program ($5,000), the annual library book program ($3,500), and MWD's Solar Cup Challenge for participating high schools ($2,500 per participant).

751840.6602 Wastewater education initiatives, programs and tours ($5,000). Also includes programs designed to accommodate home-school students.

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Public Outreach Programs
Public Education

FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

ACCT #	DESCRIPTION	2014-15 Adopted Budget	2014-15 Estimated Actual	2015-16 Proposed Budget
	Program Expenses			
701230.6604	Public Education	173,617	223,912	309,581
101900.6604	Public Education - 100% LVMWD	74,324	244,179	222,887
751840.6604	Public Education - 100% JPA	36,847	64,023	67,398
	Total Expenses	$ 284,788	$ 532,114	$ 599,866

PROGRAM DESCRIPTION

All programs include staff time charged from 701230.6100 and other units.

701230.6604 Includes community outreach ($15,000); events and activities ($50,000); printing and production of customer newsletters ($30,000), website costs; District brochures and handout materials ($15,000).

101900.6604 Includes water conservation-related display advertising, shut down notifications and other incident-specific notices to customers ($10,000); conservation education to hotels, restaurants and businesses ($5,000); chamber directories ($1,800) and “water supply only” District quarterly tours for potable water ($4,000), production and mailing of the annual water quality report, production of the annual “Popular Budget”, construction project notifications and outreach (variable), rate change notifications.

751840.6604 Quarterly tours of Rancho/Tapia ($4,000); Malibu Creek Watershed and regulatory issue outreach ($3,500); JPA activities and display advertising related to watershed, compost promotion, pharmaceutical disposal education, etc. ($10,000).

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Public Outreach Programs
Community Group Outreach

FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

ACCT #	DESCRIPTION	2014-15 Adopted Budget	2014-15 Estimated Actual	2015-16 Proposed Budget
	Program Expenses			
701230.6606	Community Group Outreach	22,512	16,636	28,672
101900.6606	Community Group Outreach - 100% LVMWD	45,954	3,286	8,121
751840.6606	Community Group Outreach - 100% JPA	7,786	2,500	10,195
	Total Expenses	$ 76,252	$ 22,422	$ 46,988

PROGRAM DESCRIPTION

All programs include staff time charged from 701230.6100 and other units.

701230.6606 Includes funding for community forums and workshops ($10,000); meetings and fees for speaker's bureau, chamber events and luncheons ($2,000) and community liaison expenses ($1,000).

101900.6606 Includes water-related community group events; brochures, advertising, posters, speaker's bureau publications and supplies, photos and training materials ($2,000).

751840.6606 JPA related publications and community group outreach related to watershed stewardship and NPDES permit ($6,000) and speaker's bureau expenses ($1,000).

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Public Outreach Programs
Intergovernmental Coordination

FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

ACCT #	DESCRIPTION	2014-15 Adopted Budget	2014-15 Estimated Actual	2015-16 Proposed Budget
	Program Expenses			
701230.6608	Intergovernmental Coordination	5,504	16,118	19,544
101900.6608	Intergovernmental Coordination - 100% LVMWD	4,324	5,966	13,798
751840.6608	Intergovernmental Coordination - 100% JPA	11,990	6,966	10,712
	Total Expenses	$ 21,818	$ 29,050	$ 44,054

PROGRAM DESCRIPTION

Programmed funds include support for intergovernmental activities such as legislative monitoring and activities with the state legislature, county, cities, school districts, federal agencies and regulatory bodies.

Budget includes funds for responses to legislative or regulatory issues that emerge during the year.

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Water Conservation Operations

FUNDING SOURCES

Potable Water (LVMWD) - 100% 101800

ACCT #	DESCRIPTION	2014-15 Adopted Budget	2014-15 Estimated Actual	2015-16 Proposed Budget
	Program Revenue			
4400	MWD Conservation Credit	132,555	2,000,000	2,000,000
4421	Prop. 50 IRWMP	-	-	-
	Total Revenues	$ 132,555	$ 2,000,000	$ 2,000,000
	Program Expenses			
6639	Turf Removal Program	148,165	2,138,515	2,191,579
	Total Expenses	$ 148,165	$ 2,138,515	$ 2,191,579

PROGRAM DESCRIPTION

This program, which receives varying levels of monetary offsets from MWD and other agencies, provides quantifiable, cost-effective water savings through hardware, retrofits and changes in water use practices.

LINE ITEM EXPLANATIONS

4400 Reimbursement for Local Conservation Credits Program.

6639 Turf Replacement Program – Incentives provided for removal of turfgrass. Program is administered in-house and funded by MWD as a Member Agency Administered Program.

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Conservation Education Programs

FUNDING SOURCES

Potable Water (LVMWD), MWD CPP program – 101900

ACCT #	DESCRIPTION	2014-15 Adopted Budget	2014-15 Estimated Actual	2015-16 Proposed Budget
	Program Expenses			
6742	Garden Program	15,459	25,184	15,500
6748	Professional Landscape & Irr Wkshp	3,214	-	1,210
6749	Residential Customer Landscape & Irr Training	60,742	28,356	57,197
	Total Expenses	$ 79,415	$ 53,540	$ 73,907

PROGRAM DESCRIPTION

Conservation Education Programs are designed to educate District customers and contractors working in and around the service area on sustainable, water efficient landscape and irrigation design, maintenance and management concepts and practices.

LINE ITEM EXPLANATIONS

6742 Garden Program – This program funds water efficient landscape and irrigation demonstration gardens in public areas.

6748 Professional Landscape and Irrigation Workshops - Pursuing linkages with established conservation programs operated by MWD and others..

6749 Homeowner Landscape and Irrigation Workshops – Popular landscape and irrigation design and maintenance classes for single-family and multi-family homeowners. Additional classes, added in response to customer interest, will continue to be developed and offered. The expanded and refocused curriculum will continue to concentrate on water conservaton and sustainable gardening practices (including customer drought response) that can be easily and affordably implemented, will improve garden health, reduce chemical use and deliver other additional benefits from our irrigation water dollars.

RESOURCE CONSERVATION AND PUBLIC OUTREACH
Watershed Programs

FUNDING SOURCES

Potable Water/Grants	101900
Joint Powers Authority/Grants	751840

ACCT #	DESCRIPTION	203-14 Adopted Budget	2014-15 Estimated Actual	2015-16 Proposed Budget
	Program Expenses			
101900.6785	Watershed	14,030	20,171	31,548
751840.6785	Watershed	90,840	15,232	83,596
	Total Expenses	$ 104,870	$ 35,403	$ 115,144

PROGRAM DESCRIPTION

Multiple projects are administered under this business unit to manage community water resources, especially those that may be affected by District facilities or operations, and to participate in water quality projects supported by the District within the Malibu Creek watershed. Watershed programs focus on advancing the district's leadership role as a steward of the watershed, its water and aquatic life (emphasis on water quality).

SIGNIFICANT CHANGES

In FY15-16 we anticipate significant work for submission of District / JPA projects for Prop. 84 Round 3 grants (IRWMP). We will also re-engage the county and local cities to explore coordinating irrigation runoff control efforts with similar efforts under the MS4 permit.

LINE ITEM EXPLANATION

Watershed Programs

101900.6785 Staff support and leadership in the Integrated Regional Water Management Plan (IRWMP), including participation on the Regional Leadership Committee, and subregional steering committee. The objective of this effort is to coordinate water management efforts across the greater Los Angeles County region and secure grant funds for District initiatives through Prop. 84 Round 3 bond funds.

751840.6785 Staff participation and technical assistance managing water resources (primarily surface water quality) in the Malibu Creek and upper Los Angeles River watersheds. Also includes funding for Collaborative Research projects related to the Malibu Creek TMDL issue.

Las Virgenes Municipal Water District

FY 2015-16 Budget Planning Calendar

Date Scheduled	Date Completed	BM - Board Meeting BW - Board Workshop	
1/5/2015	1/5/2015	BM	JPA Budget Process review - distribute Budget Planning Calendar
1/13/2015	1/13/2015	BM	Budget Process review - distribute Budget Planning Calendar
1/21/2015	1/21/2015		Budget Kickoff Meeting Distribute Budget Manual YTD reports through December available
1/27/2015	2/10/2015	BM	Financial Status Report - Second Quarter
1/29/2015	1/8/2015		Strategic Plan and Action Plan: review Goals, Objectives & Performance measures
2/2/2015	2/2/2015	BM	Financial Status Report JPA - Second Quarter
2/3/2015	2/26/2015		Draft 5-year IIP published
2/10/2015	2/10/2015		JPA Budget submissions from TSD due to Administering Agent
2/17/2015	2/17/2015		FY2014-15 estimated actuals/FY2015-16 proposed budget to Accounting, including CIP project budgets
2/17/2015	2/17/2015		Line item explanations to Accounting
2/24/2015	3/10/2015	BM	IIP to LV Board for review
2/27/2015	3/2/2015		Draft budgets (LV & JPA) to departments
3/2/2015	4/6/2015 3/2/2015	BW BM	Budget Workshop - JPA IIP Review - JPA
3/9/2015	3/9/2015		Dept comments on drafts back to Accounting, including CIP budget comments
3/17/2015	3/23/2015	BW	Strategic Plan Workshop Review FY2014-15 accomplishments, propose Action Plan for FY2015-16 Financial Policies Reviewed
	3/23/2015	BW	Budget Workshop Review Staffing requirements Discuss funding of OPEB liability
3/19/2015	3/19/2015		Drafts to Departments, GM & TSD staff Figures ready for Working Capital schedule
3/30/2015-4/2/2015	3/30/2015-4/2/2015		Meetings with GM/Department staff, TSD staff
4/6/2015	4/6/2015		Budget Letter, Goals, Objectives due to Accounting
4/6/2015	4/6/2015		Final Department changes to Accounting, including CIP changes
4/14/2015	4/23/2015		Distribute Preliminary Budgets (LV & JPA)
4/28/2015	5/12/2015 5/26/2015	BM	Financial Status Report - 3rd Quarter LV Preliminary Budget to Board
5/4/2015	5/4/2015 5/4/2015	BM	Financial Status Report JPA - Third Quarter JPA Preliminary Budget to Board
5/5/2015	6/10/2015		Final changes to Accounting, including CIP - Typos/error correction only Figures ready for Working Capital schedule
5/12/2015	6/16/2015		Final drafts to General Manager
5/26/2015	6/23/2015	BM	LV Budget Adoption
6/1/2015	7/6/2015	BM	JPA Budget Adoption

GLOSSARY

005 – Alternate effluent discharge point for treated wastewater from Tapia WRF.

Account – A record of a business transaction; a reckoning of money received or paid.

Accounting System – The total structure of records and procedures that discover, record, classify, summarize, and report information on the financial position and results of operations of a government entity.

Accounts Payable – Purchase of services and supplies as of or prior to June 30 but not yet paid at June 30.

Accounts Receivable – General bills due from customers.

Accrual – The recognition of a revenue or expense in a budget year even though the actual cash may not be received or paid until the following budget year.

Acre-Foot of Water (AF) – The volume of water that would cover one acre to a depth of one foot.

Adoption – Formal action by the Board of Directors, which sets the spending limits for the fiscal year.

Advance Refunding – A defeasance of outstanding debt prior to the date the bonds can be called by depositing cash and/or securities.

American Water Works Association (AWWA) – An international nonprofit scientific and educational society dedicated to the improvement of water quality and supply.

Amortization – Gradual reduction, redemption, or liquidation of the balance of an account; according to a specified schedule of times and amounts.

Appropriation – A funding authorization made by the Board, which permits the District to incur obligations and to make expenditures of resources.

Aqueduct – A canal for conveying a large amount of water.

Assets – Resources owned or held by the enterprise as a result of past events and from which future economic benefits are expected to flow to the enterprise.

Association of California Water Agencies (ACWA) – Association representing over 400 public water agencies consisting of municipal, irrigation, county and California water districts, and a number of special purpose agencies. ACWA also represents non-profit and non-public mutual water companies. Members provide the link between local, state and federal water projects, and ultimate water consumers.

Audit – Performed by the District's independent certified public accountant (CPA), with the objective to determine if the District's financial statements present fairly the District's financial position and results of operations in conformity with generally accepted accounting principles (GAAP).

Automatic Meter Reading (AMR) – Automatic collection of water meter data using remote reading devices.

Biosolids – Nutrient-rich solid materials that are produced from the organic residuals that are a byproduct of the treatment of domestic wastewater in a wastewater treatment plant.

Bond Call – Bonds that are redeemable by the issuer prior to the specified maturity date at a specified price at or above par.

Budget – The District's financial plan balancing proposed expenditures for a certain period of time to the expected income or revenue for that same period.

California Association of Sanitation Agencies (CASA) – An organization of various municipal agencies that provide wastewater collection, treatment, transportation and disposal in California.

California Environmental Quality Act (CEQA) – Legislation passed in 1969 to implement Federal law establishing environmental standards. Turbidity and other standards were established for treated wastewater discharges into public streams and rivers.

California Public Utilities Commission (CPUC) – Commission governing the business operations of private utilities in so much as they affect the rates of the services sold.

Capacity Fee – Fee imposed when a customer requests a new service connection. Capacity fee funds are used by the District to plan, design and construct new facilities to support the additional demand placed by on the water and sanitation systems by the new service connections.

Capital Assets – Assets of a long-term nature such as land, buildings, machinery, furniture, plants and transmission and distribution infrastructure, and other equipment. The District has defined such assets as those with an expected life in excess of three years and an acquisition cost in excess of $5,000.

Capital Improvement Program (CIP) – A plan to provide for the maintenance or replacement of existing assets, infrastructure, and equipment and for the construction or acquisition of new facilities and equipment.

Capital Improvement Program-Labor Reimbursement – Salaries are budgeted 100% in the District's operating budget. Labor expended on capital improvement projects is then reimbursed to the operating budget from the project budget.

Capital Improvement Project Funds – Funds used to account for financial resources used for the acquisition or construction of major capital facilities, as approved in the five year Capital Improvement Plan.

Capitalized Interest – Funds provided from the proceeds of a bond issue, used to cover interest payments until revenue sources to repay the debt are available.

Certificates of Participation (COP) – Form of lease-purchase financing used to construct or acquire capital facilities and equipment.

Coverage – A margin of safety for payment of debt service, reflecting the number of times by which earnings for a period of time exceed debt service payable in such a period.

Current Assets – Cash, bank deposits, investments, accounts and other amounts receivable. Assets which can be converted to cash, consumed or sold within one year.

Current Liabilities – Accounts, contracts, deposits and other payables due within one year.

Customer Information System (CIS) – A system maintaining customer data including usage, billing and payment information.

Customer Water Budget – Volumetric allotments of water based on a set indoor demand volume and weather-adjusted outdoor demand.

Debt – An obligation resulting from the borrowing of money or from the purchase of goods and services. These include bonds and accounts payable.

Debt Service – Interest and principal payments on bond issues and Certificates of Participation. Also included are the issuance costs related to bond funding.

Defease – To set aside sufficient money to retire outstanding debt when due. A full defeasance results in release from covenants and contractual obligations contained in the bond documents.

Deficiency – A general term indicating the amount by which anything falls short of some requirement of expectation.

Deficit – The excess of expenditures over revenues during an accounting period.

Depreciation – An element of cost resulting from the service of long-lived assets in an economic organization and represents the loss in asset value because of wear, deterioration, obsolesce or action of the physical elements.

Drought – A period of drier-than-normal conditions that results in water-related problems.

Effluent – Treated wastewater discharged from wastewater treatment plants.

Emergency Action Plan (EAP) – Emergency Action Plan as required by the Federal Energy Regulatory Commission (FERC) as it applies to dams and reservoirs of high or moderate hazard potential to life and property. The EAP consists typically of notification procedures to alert the appropriate authorities in the event of a hazardous condition developing and also includes continuous monitoring of the facility to provide an early warning to the operator.

Enterprise Fund – A fund established to account for the financing of self-supporting enterprises, such as a utility fund, which render services primarily to the public.

Entity – The basic unit upon which accounting and/or financial reporting activities focus.

Equivalent Residential Unit (ERU) – Water usage equivalent to a typical single-family dwelling.

Expenses – Decreases in economic benefits during the accounting period in the form of outflows or depletions of assets or incurrences of liabilities that result in decreases in equity.

Fiscal Year – The beginning and ending period for recording financial transactions. The District has specified July 1 to June 30 as its fiscal year.

Full Time Equivalent (FTE) – An FTE equates to one full-time employee working 2,080 hours per year.

Fund – An accounting entity that records all financial transactions for specific activities or government functions.

Geographic Information System (GIS) – A system combining computer hardware, software, and geographic data for collecting, storing, analyzing and displaying geographically referenced information.

Generally Accepted Accounting Principles (GAAP) – Accounting standards and financial reporting practices promulgated by several national committees and boards. Primary sources for governmental accounting are the National Council on Governmental Accounting, producing governmental accounting, auditing and financial reporting (GAAFR), the Governmental Accounting Standards Board (GASB), and the Government Finance Officers Association (GFOA).

Governmental Accounting Standards Board (GASB) – National advisory board of accounting standards for public agencies. Identifies procedures, methods and standards for presenting the financial condition of public agencies.

Hundred Cubic Feet (HCF) – The base billing unit used to charge customers for water service, equal to one hundred cubic feet of water. Also used to express Customer Water Budget volumes.

Infrastructure – The accumulated pipelines, treatment plants and storage facilities of the District, including all meters, valves, pumps, filters and other appurtenances, whether constructed by the District or dedicated by private entities.

Internal Service Funds – Internal Service Funds are used to account for the financing of goods or services provided by one or more departments to other operating departments of the District on a cost reimbursement basis.

Joint Powers Authority (JPA) – A joint powers agreement between the District and Triunfo Sanitation District for the purpose of constructing, operating, maintaining and providing for the replacement of a joint sewer system.

Liabilities – Present obligations of the enterprise arising from past events.

Line Item – Expenditure classifications established to account for and budget the appropriations approved.

Local Agency Investment Funds (LAIF) – An investment fund established by the California State Treasurer for the benefit for public agencies. The District, per its investment policy may invest up to the maximum permitted under State law (California Government Code Section 16429.1).

Maintenance – The upkeep of physical properties in condition for use or occupancy. Examples are the inspection of equipment to detect defects and the making of repairs.

Metropolitan Water District (MWD) – A consortium of 26 cities and water districts that provides drinking water to nearly 18 million people in parts of Los Angeles, Orange, San Diego, Riverside, San Bernardino and Ventura counties.

Municipal – In its broadest sense, an adjective, which denotes the state and all subordinance units of government.

Net Assets – The excess of assets over liabilities, represents the cumulative effect of revenues and other financing sources over expenses and other financing uses.

NPDES – National Pollution Discharge Elimination System

O&M – Operations and Maintenance

Obligations – Amounts that a government may be legally required to meet out of its resources. They include not only actual liabilities, but also encumbrances not yet paid.

Operating Expenses – All costs associated with the day-to-day business of the District, which are not considered capital improvements or debt repayments.

Operating Revenue – Revenue generated from the day-to-day business of the District.

Potable Water – Water that is suitable for drinking.

Projected – An estimate of revenues and expenditures based on past trends, the present economic situation and future financial forecasts.

Proposition 218 – The “Right to Vote on Taxes Act”. Limits the methods by which local governments can create or increase taxes, fees and charges without taxpayer consent. Proposition 218 requires taxpayer approval of property related assessments and fees.

Proposition 50 – The Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002.

Proprietary Fund – A method of accounting for a government's ongoing activities that is similar to those often found in the private sector.

Public Employees Retirement System (PERS) – An agent, multiple-employer, public retirement system to which the District contributes that acts as a common investment and administrative agent for participating public entities within the State of California.

Pump Station – Mechanical devices installed in sewer or water systems or other liquid-carrying pipelines that moves the liquids to a higher level.

Recycled Water – Treated wastewater of a quality suitable for nonpotable applications, such as landscape irrigation, decorative water features, and nonfood crops.

Regional Water Quality Control Board (RWQCB) – Statewide Regional Water Control Boards that work to preserve California water.

Reserves – An amount set aside in an account for future use.

Reservoir – A pond, lake, tank, or basin (natural or engineered) where water is collected and stored.

Resolution – A special or temporary order of a legislative body; an order to a legislative body requiring less legal formality than an ordinance or statute.

Revenue – An inflow of assets, not necessarily in cash, in exchange for services rendered.

Revenue Bond – A bond payable solely from net or gross non ad valorem tax revenues derived from general fund revenues, tax increment revenues, or tolls, charges or rents paid by users of the facility constructed with the proceeds of the bond issue.

Right of Way – A legal right of passage over another person's ground.

Sanitation Service – The collection, treatment, reuse and disposal of wastewater.

Sewage – Word used interchangeably with wastewater.

Standby Charge – Fee collected for the maintenance and upkeep of the District's Potable Water Infrastructure.

Supervisory Control and Data Acquisition (SCADA) – The Supervisory Control and Data Acquisition system collects operational data from remote units to monitor and control water and wastewater systems and facilities throughout the District service area.

Tapia Effluent Alternatives (TEA) – Study funded by the JPA to identify alternatives to effluent discharge into Malibu Creek.

Title 22 – Title 22 of the California Code of Regulations sets state environmental health standards for potable and non-potable water. When "Title 22" is referenced in conjunction with reclaimed wastewater, this means a tertiary wastewater effluent that has been filtered and disinfected and meets California State Health Department standards for full human body contact.

Total Maximum Daily Load (TMDL) – The maximum amount of a given pollutant that a receiving body of water can assimilate without violating water quality standards.

Wastewater – Word used interchangeably with sewage. Any water that has come into contact with, or contains biological contaminants, particulate contaminants, or inorganic or organic solutes.

Water Budget – Same as Customer Water Budget.

Water Reclamation Facility (WRF) – A facility that controls and filters out raw sewage and water-treating both to meet standards set by state and federal guidelines for the discharge of the effluent into streams and rivers or for reuse, and for the proper disposal of the sludge.

Water Treatment Plant (WTP) – A facility that monitors and controls the quality of water, to include purity and turbidity as required by state and federal guidelines.

Watershed – A geographic area, surrounded by the highest ridgelines, which drains into a river, river system, or body of water.

Working Capital – The difference between current assets and current liabilities. Represents the amount available for operations or other expenditures.

ACRONYMS

ACWA	Association of California Water Agencies
AF	Acre Feet
AMMS	Automated Maintenance Management System
AMR/AMI	Automated Meter Reading/Advanced Metering Infrastructure
APWA	American Public Works Association
ASCE	American Society of Civil Engineers
AWA	Association of Water Agencies of Ventura County
AWWA	American Water Works Association
BMP	Best Management Practice
BNR	Biological Nutrient Removal
CAL-ARP	Californrnia Accidental Release Program
CALPERS	California Public Employees Retirement System
CASA	California Association of Sanitations Agencies
CCR	Consumer Confidence Report
CEQA	California Environmental Quality Act
CIP	Capital Improvement Program
CIS	Customer Information System
CIWMB	California Integrated Waste Management Board
COBRA	Consolidated Omnibus Budget Reconciliation Act
COP	Certificates of Participation
CPUC	California Public Utilities Commission
CUPA	Certified Unified Program Agency
CSMFO	California Society of Municipal Finance Officers
CWEA	California Water Environment Association
DCDA	Double Check Detector Assembly
DCS	Distributed Control System
DE	Diatomaceous Earth
DPH	Department of Public Health
DMP	Digital Map Products
DWR	Department of Water Resources
EAP	Emergency Action Plan
EPA	United States Environmental Protection Agency
ERU	Equivalent Residential Unit
FOG	Fats, Oils and Grease disposal
FSA	Flexible Spending Allowance
FTE	Full Time Equivalent
GAAP	Generally Accepted Accounting Principles
GASB	Governmental Accounting Standards Board
Geosmin/MIB	Geosmin/Methylisoborneol
GFOA	Government Finance Officers Association
GIS	Geographical Information Systems
GPCD	Gallons Per Capita Per Day
GPS	Global Positioning System

HAA5	Haloacetic acids five
HCF	Hundred Cubic Feet
HECW	High Efficiency Clothes Washer
HET	High Efficiency Toilet
HOA	Home Owners Association
HVAC	Heating, Ventilation and Air Conditioning
IIP	Infrastructure Investment Plan
IRP	Integrated Resources Plan
IRWMP	Integrated Regional Water Management Plan
JPA	Joint Powers Authority
JPIA	Joint Powers Insurance Authority
LAFCO	Local Agency Formation Commission
LAIF	Local Agency Investment Fund
LIMS	Laboratory Information Management System
LVMWD	Las Virgenes Municipal Water District
LVR	Las Virgenes Reservoir
LVUSD	Las Virgenes Unified School District
MCRC	Malibu Creek Runoff Control Project
MGD	Million gallons per day
MLSS	Mixed Liquor Suspended Solids
MOU	Memorandum of Understanding
MS4	Municipal Separate Storm Sewer System
MTBE/TOC	Methyl Tertiary Butyl Ether/Total Organic Compound
MWD	Metropolitan Water District
NGO	Non Government Organization
NPDES	National Pollution Discharge Elimination System
OSHA	Occupational Safety and Health Administration
PERS	Public Employees Retirement System
PLC	Programmable Logic Controller
POWER	Political Officials for Water and Environmental Reform
PPA	Power Purchase Agreement
PVC	Polyvinylchloride
PW	Potable Water
RAS	Return Activated Sludge
RCPO	Resource Conservation and Public Outreach
RLV	Rancho Las Virgenes
RW	Recycled Water
RWPS	Recycled Water Pump Station
RWQCB	Regional Water Quality Control Board
SCADA	Supervisory Control and Data Acquisition
SCAP	Southern California Association of Publicly-Owned Treatment Works
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SWRCB	State Water Resources Control Board
TEA	Tapia Effluent Alternatives
TMDL	Total Maximum Daily Load

TSD	Triunfo Sanitation District
TTHM	Total trihalomethanes
ULFT	Ultra Low Flush Toilet
UWMP	Urban Water Management Plan
VFD	Variable Frequency Drive
WBIC	Weather Based Irrigation Controller
WDR	Waste Discharge Requirement
WEF	Water Environment Federation
WRF	Water Reclamation Facility
WTP	Water Treatment Plant

July 6, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Tapia Water Reclamation Facility NPDES Effluent Limit Exceedances: Settlement Offer No. R4-2015-0035, Expedited Payment Program

SUMMARY:

On June 2, 2015, the JPA received the attached Notice of Violation and Settlement Offer from the Los Angeles Regional Water Quality Control Board (RWQCB), alleging 25 effluent limit exceedances for the Tapia Water Reclamation Facility. The alleged exceedances, which occurred from July 2013 through December 2014, were for bis (2-ethlyhexyl) phthalate, cyanide, dichlorobromomethane and total chlorine residual. The total penalty for the RWQCB's settlement offer is $75,000, applying the $3,000 mandatory minimum penalty to each exceedance.

Staff requested an extension of the June 29, 2015 acceptance deadline to allow the JPA Board to consider the terms of the settlement offer. Staff also reviewed water quality data for Tapia's effluent and confirmed that the exceedances were appropriately identified and characterized by the RWQCB. As a result, staff recommends acceptance of the settlement offer.

RECOMMENDATION(S):

Authorize the Administering Agent/General Manager to execute Settlement Offer No. R4-2015-0035, including payment of $75,000 for 25 exceedances of NPDES effluent limitations for the Tapia Water Reclamation Facility.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

No

FINANCIAL IMPACT:

Settlement Offer No. R4-2015-0035 includes a total mandatory minimum penalty of $75,000, the cost of which is allocated 70.6% to LVMWD and 29.4% to Triunfo Sanitation District.

DISCUSSION:

Background:

The RWQCB periodically reviews water quality data submitted for compliance with effluent limitations established pursuant to National Pollutant Discharge Elimination System (NPDES) permits. When the water quality data exceeds effluent limitations specified in an NPDES permit, the RWQCB issues a notice of violation and settlement offer to the permittee. The exceedances are categorized as chronic or major violations depending on the percentage amount of the water quality parameter above the effluent limitation.

Chronic violations consist of water quality parameters that exceed an effluent limitation by less than 20%. Serious violations consist of exceedances of an effluent limitation by 20% or more. Permittee are allowed up to three violations within a 180-day period without the assessment of penalties provided that the preceding 180-day period is violation free. California Water Code Section 13385 establishes a mandatory minimum penalty of $3,000 for each violation.

Exhibit 1 of the RWQCB's Notice of Violation provides a summary of the JPA's effluent limitation exceedances. The JPA was not eligible for the "three violation allowance" because it had a previous exceedance in June 2013. Following is additional information on the four water quality parameters that were exceeded.

Bis (2-ethylhexyl) phthalate:

Bis (2-ethylhexyl) phthalate, also called DEHP, is a suspected carcinogen. It is an ubiquitous substance that is used as a plasticizer for polyvinyl chloride (PVC) and other polymers, including rubber, cellulose and styrene. Bis (2-ethylhexyl) phthalate is present in plastic tubing and bags used in food production and medical care. It is also used in insect repellant formulations, cosmetics, rubbing alcohol, liquid soap, detergents, decorative inks, lacquers, munitions, industrial and lubricating oils, defoaming agents used during paper and paperboard manufacturing, as a pesticide carrier, in photographic film, wire and cable, adhesives, as an organic vacuum pump fluid, and a dielectric in capacitators.[i]

A Time Schedule Order to address bis (2-ethylhexyl) phthalate was issued in the 2005 Tapia NPDES Permit and measures were undertaken to address potential exceedances believed to be caused by contamination during sample collection. Compliance with the permit limits was generally maintained with occasional exceedances until mid-2013. With the recurrence of numerous exceedances of the permit limits, staff has increased monitoring of bis (2-ethylhexyl) phthalate. To date, there have been no violations since December 2014. The permit limits are a monthly average of 5.9 ug/L and 0.79 pounds per day flow-weighted and a daily maximum of 15 ug/L and 2.0 pounds per day flow-weighted.

Cyanide:

Cyanide is a highly toxic compound consisting of carbon and nitrogen connected by a triple bond. It is formed during the disinfection process due to the presence of hydrocarbons and nitrates in a chlorine environment. Staff is working to reduce nitrate levels in the filter effluent to reduce the formation of cyanide. The permit limits are a monthly average of 4.2 ug/L and 0.56 pounds per day flow-weighted and a daily maximum of 8.5 ug/L and 1.1 pounds per day flow weighted.

Dichlorobromomethane:

Dichlorobromomethane, or DCBM, is a disinfection byproduct. It is formed during disinfection from the presence of hydrocarbons and chlorine. As a part of the 2010 Tapia NPDES Permit, a Cease and Desist Order was issued to reduce the levels of DCBM in Malibu Creek discharge. The JPA constructed chloramination facilities in 2013 to minimize the formation of DCBM. The facilities are still relatively new and operational adjustments were being made to address DCBM levels. To date, there has been only one DCBM violation after the completion of the chloramination facilities. The permit limits are a monthly average of 46 ug/L and a daily maximum of 77 ug/L.

Total Residual Chlorine:

The total residual chlorine violation occurred due to the failure of a level sensor in the sodium bisulfite storage tanks. The ultrasonic level sensor failed to recognize that the tank level was low and allowed the pump to continue drawing from the tank even though it was not receiving full pipe flow. Because the proper dosage of sodium bisulfite was not being delivered for dechlorination, there was a low chlorine residual in the effluent that was discharged. Staff is installing a different type of level sensor in the sodium bisulfite tanks to prevent this issue from recurring. The permit limit is a daily maximum of 0.1 mg/L.

[i]Technical Factsheet on: Di (2-Ethylhexyl) Phthalate (DEHP). EPA.gov. June 15, 2015.

Prepared By: Brett Dingman, Water Reclamation Manager

ATTACHMENTS:

Notice of Violation and Settlement Offer No. R4-2015-0035

CALIFORNIA Water Boards

EDMUND G. BROWN JR. GOVERNOR

MATTHEW RODRIQUEZ SECRETARY FOR ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

May 29, 2015

Mr. David R. Lippman, P.E.
Director of Facilities and Operations
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7014 2120 0004 7562 2225

SETTLEMENT OFFER NO. R4-2015-0035: OFFER TO PARTICIPATE IN THE EXPEDITED PAYMENT PROGRAM RELATING TO VIOLATIONS OF THE NPDES PERMIT FOR LAS VIRGENES MUNICIPAL WATER DISTRICT, TAPIA WATER RECLAMATION FACILITY, 731 MALIBU CANYON ROAD, CALABASAS, CALIFORNIA (ORDER NO. R4-2010-0165, NPDES PERMIT NO. CA0056014, CI NO. 4760)

Dear Mr. Lippman:

This letter is to notify the Las Virgenes Municipal Water District (hereinafter "Permittee or "you") of alleged violations of the California Water Code identified in the State Water Resources Control Board's water quality data system and to allow the Permittee to participate in the Los Angeles Regional Water Quality Control Board's (Regional Board) Expedited Payment Program for Effluent and/or Reporting Violations (Expedited Payment Program) to address mandatory minimum penalties that must be assessed pursuant to California Water Code sections 13385 and 13385.1.

NOTICE OF VIOLATION:

Based on information in the California Integrated Water Quality System (CIWQS) as of May 29, 2015, the Regional Board alleges that the Permittee has violated the effluent limitations, reporting violations, or California Water Code provisions identified in the Notice of Violation (NOV) attached as Exhibit "1". The Permittee will have the opportunity to address the alleged violations as discussed below.

STATUTORY LIABILITY:

Subdivisions (h) and (i) of California Water Code section 13385 require the assessment of a mandatory minimum penalty of three thousand dollars ($3,000) for specified serious and chronic effluent limit and reporting violations. For the purposes of subdivision (h) of section 13385, failure to file a discharge monitoring report required pursuant to sections 13383 for each complete period of 30 days following the deadline for submitting the report constitutes a serious violation. The Permittee is also subject to discretionary administrative civil liabilities of up to ten thousand dollars ($10,000) for each day in which the violation occurs, plus ten dollars ($10) for each gallon discharged but not cleaned up in excess of 1,000 gallons. These mandatory minimum penalties and discretionary administrative civil liabilities

may be assessed by the Regional Board beginning with the date that the violations first occurred.[1] The formal enforcement action that the Regional Board uses to assess such liability is an administrative civil liability complaint, although the Regional Board may instead refer such matters to the Attorney General's Office for prosecution. If referred to the Attorney General for prosecution, the Superior Court may assess up to twenty-five thousand dollars ($25,000) per violation. In addition, the Superior Court may assess up to twenty-five dollars ($25) per gallon discharged but not cleaned up in excess of 1,000 gallons.

OFFER TO PARTICIPATE IN EXPEDITED PAYMENT PROGRAM:

The Permittee can avoid the issuance of a formal enforcement action and settle the alleged violations identified in the attached NOV by participating in the Regional Board's Expedited Payment Program. Details of the proposed settlement are described below and addressed in the enclosed documents.

To promote resolution of these violations, the Regional Board makes this Conditional Offer. The Permittee may accept this offer, waive the Permittee's right to a hearing, and pay the mandatory minimum penalty of $75,000 for the violations described in the NOV. If the Permittee elects to do so, subject to the conditions below, the Regional Board will accept that payment in settlement of any enforcement action that would otherwise arise out of the violations identified in the NOV. Accordingly, the Regional Board will forego issuance of a formal administrative complaint, will not refer the violations to the Attorney General, and will waive its right to seek additional discretionary civil liabilities for the violations identified in the NOV.

The Expedited Payment Program does not address or resolve liability for any violation that is not specifically identified in the NOV regardless of the date that the violation occurred.

PERMITTEE'S OPTIONS FOR RESPONSE TO OFFER:

If you accept this offer, please complete and return the enclosed "Acceptance of Conditional Resolution and Waiver of Right to Hearing; (proposed) Order" (Acceptance and Waiver) on or before **June 29, 2015**.

If the Permittee chooses to contest any of the violations alleged in the NOV, please identify the specific violation and the basis for the challenge (factual error, affirmative defense, etc.) on or before the due date specified above.

Responses contesting any of the violations alleged in the NOV shall be submitted as a pdf via email or CD to Mr. Andrew Choi, andrew.choi@waterboards.ca.gov, (213) 576-6791, and submitted by you under penalty of perjury.

[1] Please note that there are no statutes of limitation that apply to administrative proceedings to assess mandatory minimum penalties. See *City of Oakland v. Public Employees' Retirement System,* (2002) 95 Cal.App.4th 29, 48; 3 Witkin, Cal. Procedure (4th ed. 1996) Actions, §405(2), p. 510.) Additionally, the State Water Resources Control Board had determined that the equitable doctrine of laches does not apply to mandatory minimum penalties. (State Water Board Order Nos. 2013-0053, 2013-0054, 2013-0055, 2013-0099.)

The Regional Board staff will evaluate the contested violation and take one of two actions:

1) The Regional Board staff will determine that the violation is not supported, expunge the alleged violation from the CIWQS database, take no further action against the Permittee for the alleged violation, and notify the Permittee of that determination. The Permittee will be given thirty (30) days from the date of receipt of the Regional Board staff determination to complete and return the Acceptance and Waiver for the remainder of the violations; or

2) The Regional Board staff will determine that the alleged violation is meritorious, and will notify the Permittee of that determination. The Permittee will be given thirty (30) days from the date of receipt of the Regional Board staff determination to complete and return the Acceptance and Waiver.

If the Permittee chooses not to make a payment in response to the Regional Board staff's determination, the Permittee should expect to be contacted regarding formal enforcement action that will be initiated with regard to the contested violations. In a formal enforcement action, the liability amount sought and/or imposed may exceed the liability amount set forth in this Conditional Offer. Moreover, the cost of enforcement is a factor that can be considered in assessing the liability amount.

CONDITIONS FOR REGIONAL BOARD ACCEPTANCE OF RESOLUTION:

Federal regulations require the Regional Board to publish and allow the public thirty (30) days to comment on any settlement of an enforcement action addressing NPDES permit violations (40 C.F.R. section 123.27(d)(2)(iii)). Upon receipt of the Permittee's Acceptance and Waiver, the Regional Board staff will publish a notice of the proposed resolution of the violations.

If no comments are received within the 30-day comment period, and unless there are new material facts that become available to the Regional Board, the Regional Board Executive Officer will execute the Acceptance and Waiver as a stipulated order assessing the uncontested mandatory minimum penalty amount pursuant to Water Code sections 13385 and 13385.1.

If, however, significant comments are received in opposition to the settlement, this offer may be withdrawn. In that case, the Permittee's waiver pursuant to the Acceptance and Waiver will also be treated as withdrawn. In that case, the violations will be addressed in a liability assessment proceeding. At the liability assessment hearing the Permittee will be free to make arguments as to any of the alleged violations, and the Permittee's agreement to accept this conditional offer will not in any way be binding or used as evidence against the Permittee. The Permittee will be provided with further information on the liability assessment proceeding.

In the event the Acceptance and Waiver is executed by the Regional Board Executive Officer, full payment of the assessed amount shall be due within thirty (30) calendar days after the date the Acceptance and Waiver is executed. In accordance with California Water Code section 13385(n)(1) and California Water Code section 13385.1(c)(1), funds collected

for violations of effluent limitations and reporting requirements pursuant to section 13385 and 13385.1 shall be deposited in the State Water Pollution Cleanup and Abatement Account. Accordingly, the $75,000 liability shall be paid by cashiers or certified check made out to the "State Water Pollution Cleanup and Abatement Account". Failure to pay the full penalty within the required time period may subject the Permittee to further liability.

Should you have any questions about this Conditional Offer or Notice of Violation, please contact Enforcement Unit staff Mr. Andrew Choi at (213) 576-6791 or at andrew.choi@waterboards.ca.gov regarding this matter.

Sincerely,

Paula Rasmussen
Assistant Executive Officer

Enclosures:
Exhibit "1" - Notice of Violation
Acceptance of Conditional Resolution and Waiver of Right to Hearing; (proposed) Order

cc: [via email]
Mayumi Okamoto, Office of Enforcement, State Water Resources Control Board

EXHIBIT "1" - NOTICE OF VIOLATION
Effluent Limit Violations

Date	Monitoring Period	Discharge Point	Violation Type	Parameter	Reported Value	Permit Limit	Units	Pollutant Category	% Exceeded	Serious/ Chronic	Water Code Section 13385	Penalty
07/31/13	July 2013	001	Monthlty Average	Cyanide	6.5	4.2	µg/L	2	55%	Serious	(h)1	$3,000
08/31/13	August 2013	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	8	5.9	µg/L	2	36%	Serious	(h)1	$3,000
10/31/13	October 2013	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	20	5.9	µg/L	2	239%	Serious	(h)1	$3,000
11/30/13	November 2013	001	Monthlty Average	Dichlorobromomethane	47.75	46	µg/L	2	4%	Chronic	(i)1	$3,000
12/31/13	December 2013	001	Monthlty Average	Cyanide	5.7	4.2	µg/L	2	36%	Serious	(h)1	$3,000
01/31/14	January 2014	001	Monthlty Average	Cyanide	6.1	4.2	µg/L	2	45%	Serious	(h)1	$3,000
01/31/14	January 2014	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	11	5.9	µg/L	2	86%	Serious	(h)1	$3,000
02/04/14	February 2014	001	Daily Maximum	Cyanide	9.3	8.5	µg/L	2	9%	Chronic	(i)1	$3,000
02/28/14	February 2014	001	Monthlty Average	Cyanide	6.4	4.2	µg/L	2	52%	Serious	(h)1	$3,000
03/11/14	March 2014	001	Daily Maximum	Bis (2-Ethylhexyl) Phthalate	16	15	µg/L	2	7%	Chronic	(i)1	$3,000
03/11/14	March 2014	001	Daily Maximum	Cyanide	10	8.5	µg/L	2	18%	Chronic	(i)1	$3,000
03/26/14	March 2014	001	Daily Maximum	Bis (2-Ethylhexyl) Phthalate	16	15	µg/L	2	7%	Chronic	(i)1	$3,000
03/31/14	March 2014	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	16	4.2	µg/L	2	281%	Serious	(h)1	$3,000
03/31/14	March 2014	001	Monthlty Average	Cyanide	8.3	4.2	µg/L	2	98%	Serious	(h)1	$3,000
03/31/14	March 2014	001	Monthlty Average	Cyanide	0.77	0.56	lb/day	2	38%	Serious	(h)1	$3,000
04/30/14	April 2014	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	11	4.2	µg/L	2	162%	Serious	(h)1	$3,000
07/31/14	July 2014	001	Daily Maximum	Bis (2-Ethylhexyl) Phthalate	22	15	µg/L	2	47%	Serious	(h)1	$3,000
07/31/14	July 2014	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	12.8	5.9	µg/L	2	117%	Serious	(h)1	$3,000
08/04/14	August 2014	001	Daily Maximum	Total Residual Chlorine	0.2	0.1	mg/L	2	100%	Serious	(h)1	$3,000
08/05/14	August 2014	001	Daily Maximum	Bis (2-Ethylhexyl) Phthalate	61	15	µg/L	2	307%	Serious	(h)1	$3,000
08/31/14	August 2014	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	61	5.9	µg/L	2	934%	Serious	(h)1	$3,000
09/30/14	September 2014	001	Monthlty Average	Dichlorobromomethane	51	46	µg/L	2	11%	Chronic	(i)1	$3,000
11/30/14	November 2014	001	Monthlty Average	Bis (2-Ethylhexyl) Phthalate	10.1	5.9	µg/L	2	71%	Serious	(h)1	$3,000
12/31/14	December 2014	001	Monthlty Average	Cyanide	8	4.2	µg/L	2	90%	Serious	(h)1	$3,000
12/31/14	December 2014	001	Monthlty Average	Cyanide	0.75	0.56	lb/day	2	34%	Serious	(h)1	$3,000
											Total	**$75,000**

ITEM 5D

Settlement Offer No. R4-2015-0035
CI No. 4760, NPDES Permit No. CAG0056014

ACCEPTANCE OF CONDITIONAL RESOLUTION AND WAIVER OF RIGHT TO HEARING; (proposed) ORDER

Las Virgenes Municipal Water District
Settlement Offer No. R4-2015-0035
NPDES Permit No. CA0056014

By signing below and returning this Acceptance of Conditional Resolution and Waiver of Right to Hearing (Acceptance and Waiver) to the Los Angeles Regional Water Quality Control Board (Regional Board), the Las Virgenes Municipal Water District (Permittee) hereby accepts the "Offer to Participate in Expedited Payment Program" and waives the right to a hearing before the Regional Board to dispute the allegations of violations described in the Notice of Violation (NOV), which is attached hereto as Exhibit "1" and incorporated herein by reference.

The Permittee agrees that the NOV shall serve as a complaint pursuant to Article 2.5 of the California Water Code and that no separate complaint is required for the Regional Board to assert jurisdiction over the alleged violations through its Chief Prosecutor. The Permittee agrees to pay the penalties required by California Water Code section 13385, in the sum of $75,000 (Expedited Payment Amount), which shall be deemed payment in full of any civil liability pursuant to Water Code sections 13385 and 13385.1 that otherwise might be assessed for the violations described in the NOV. The Permittee understands that this Acceptance and Waiver waives its right to contest the allegations in the NOV and the amount of civil liability for such violations.

The Permittee understands that this Acceptance and Waiver does not address or resolve liability for any violation that is not specifically identified in the NOV.

Upon execution by the Permittee, the completed Acceptance and Waiver shall be returned to:

Andrew Choi, Enforcement Unit
Expedited Payment Program
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, California 90013

The Permittee understands that federal regulations set forth at title 40, Code of Federal Regulations, section 123.27(d)(2)(iii) require the Regional Board to publish notice of and provide at least thirty (30) days for public comment on any proposed resolution of an enforcement action addressing NPDES permit violations. Accordingly, this Acceptance and Waiver, prior to execution by the Regional Board Executive Officer, will be published as required by law for public comment.

If no comments are received within the notice period that causes the Regional Board Executive Officer to question the Expedited Payment Amount, the Regional Board Executive Officer will execute the Acceptance and Waiver.

The Permittee understands that if significant comments are received in opposition to the Expedited Payment Amount, the offer on behalf of the Regional Board to resolve the violations set forth in the NOV may be withdrawn. In that circumstance, the Permittee will be advised of the withdrawal and an administrative civil liability complaint may be issued and the matter may be set for a hearing before the Regional Board. For such a liability hearing, the Permittee understands that this Acceptance and Waiver executed by the Permittee will be treated as a settlement communication and will not be used as evidence in that hearing.

The Permittee further understands that once the Acceptance and Waiver is executed by the Regional Board Executive Officer, the full payment required by the deadline set forth below is a condition of this Acceptance and Waiver. In accordance with California Water Code section 13385(n)(1) and California Water Code section 13385.1(c)(1), funds collected for violations of effluent limitations and reporting requirements pursuant to sections 13385 and 13385.1 shall be deposited in the State Water Pollution Cleanup and Abatement Account. Accordingly, the $75,000 liability shall be paid by a cashiers or certified check made out to the "State Water Pollution Cleanup and Abatement Account". The payment must be submitted to the State Water Resources Control Board no later than thirty (30) calendar days after the date the Acceptance and Waiver is executed by the Regional Board Executive Officer.

Please mail check to:

State Water Resources Control Board
ATTN: ACL PAYMENT
Division of Administrative Services, Accounting Branch
1001 I Street, 18th Floor, [95814]
P.O. Box 1888
Sacramento, California 95812-1888

I hereby affirm that I am duly authorized to act on behalf of and to bind the Permittee in the making and giving of this Acceptance and Waiver.

Las Virgenes Municipal Water District

By: _____ _____
(Signed Name) (Date)

_____ _____
(Printed or typed name) (Title)

IT IS SO ORDERED PURSUANT TO CALIFORNIA WATER CODE SECTION 13385

Date: _____

By: _____
Samuel Unger, P.E.
Executive Officer

INFORMATION ONLY

July 6, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Residential Recycled Water Fill Station Program

SUMMARY:

On April 6, 2015, staff presented the JPA Board with information on the Dublin San Ramon Services District's residential recycled water fill station and its potential application for the JPA. Based on the presentation, staff was instructed to investigate the feasibility of a similar facility for the JPA and to pursue the required regulatory approvals. This report is to update the JPA Board on the progress to develop a Residential Recycled Water Fill Station Program for the JPA.

FISCAL IMPACT:

No

ITEM BUDGETED:

No

FINANCIAL IMPACT:

The initial cost to install and operate the residential recycled water fill station is expected to be modest. The cost would be for materials (hoses, shut-off valves, stickers, etc.) and staffing. Costs could increase over time depending on the success of the program.

DISCUSSION:

Program Description:

The Recycled Water Fill Station Program would enable JPA residential customers who had undergone training in the safe use of recycled water to fill containers ranging from one to 300 gallons at the Rancho Las Virgenes Composting Facility. There would be no charge for the recycled water. The initial hours of operation would be 8:00 a.m. to 1:00 p.m. on Saturdays, coinciding with and complimenting the existing Compost Pick-up Program.

Customers would be required to read and complete a Use Application and receive training before receiving recycled water. The purpose of the training would be to give customers an understanding of the conditions for proper recycled water use. The training would consist of a PowerPoint presentation covering the safe use of recycled water. It would be emphasized that recycled water cannot be used for drinking or cooking and that it cannot be plumbed or pumped into any domestic water supply. Customers would be given recycled water notice stickers to be placed on all containers used for transporting and/or storing the recycled water. Additionally, customers would be issued a wallet card indicating completion of training that would be valid for one year.

Several hose bibs equipped with shut-off valves at both the source and filling handle would be provided at Rancho. Customers would fill and secure their containers with recycled water and complete a log sheet before exiting the facility. The log sheet would be used to track the customer's name, date and time of filling, address of customer, intended use of recycled water, and volume of recycled water received. Staff would monitor the hose bibs to ensure that there were no leaks. Customers would be responsible to assure that containers were not leaking and to take care not to overfill containers.

Once customers complete the Use Application, attend training, and install stickers on their containers, they

would be able to receive recycled water during the designated hours of operation. Customers would be required to complete the log sheet with each “pick up” of recycled water.

Status of Regulatory Approvals:

Approvals for the program are required from the State Water Resources Control Board, Division of Drinking Water (DDW), Los Angeles Regional Water Quality Control Board (RWQCB) and Los Angeles County Department of Public Health (LADPH). On May 14, 2015, staff requested that all three agencies fast-track the approval of the proposed recycled water fill station in light of the current statewide drought emergency.

On June 24, 2015, the RWQCB provided its written approval of the program. Additionally, staff is coordinating with representatives of both DDW and LACDPH to secure similar approvals. The LACDPH cannot issue its final clearance until approvals are received from both DDW and the RWQCB. Staff will update the Board with the latest information on the regulatory approval process at the meeting.

Public Outreach:

In anticipation of the regulatory approvals, staff is preparing to provide a dedicated web-page for the program along with print advertisements and coverage via social media to promote the program. Additional information will be provided on this topic once the regulatory approvals are received.

Attached for reference are copies of the Residential Recycled Use Application and Agreement, PowerPoint presentation with a description of the program and PowerPoint presentation with the training materials.

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

ATTACHMENTS:

Residential Recycled Use Application and Agreement

PowerPoint Presentation - Description of Program

PowerPoint Presentation - Training Materials

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

Residential Recycled Water Use Application and Agreement

Customer Name _____ Customer Account No. _____

Service Address _____

Phone _____ Email Address _____

Recycled Water Use Location: _____

Recycled Water will be used for:

[ ] Irrigation of trees with hose/ bucket [ ] Irrigation of garden with hose/ bucket

[ ] Irrigation of turf with hose/ bucket

[ ] Other _____

What type and size of container will you use to collect and store recycled water?

_____

Things to know about the use of recycled water:

- **What is tertiary-treated recycled water and is it safe?**

  Recycled water is wastewater that has been processed through primary, secondary, and tertiary treatment, and then disinfected with chlorine. It meets Title 22 of the California Code of Regulations pertaining to the treatment and safe use of recycled water.

- **What can I use recycled water for?**

  Based on State Water Resources Control Board Division of Drinking Water Title 22 requirements, tertiary-treated recycled water can be used for irrigation of residential landscaping.

- **What is this recycled water NOT suitable for?**

  1. Drinking
  2. Cooking or use in the kitchen
  3. Bathing or showering
  4. Filling swimming pools or spas
  5. Children's water toys
  6. Plumbing it to the household domestic plumbing system
  7. Use in any area where it may come in contact with food

- **Why is recycled water not safe to drink? What happens if I drink it?**

  Tertiary-treated recycled water is not approved for drinking. If you accidentally drink recycled water, there is no need to panic. Should you experience any adverse symptoms or not feel well, consult your doctor.

- **Can I water my plants with recycled water?**

  Yes, all plants can be watered with recycled water. This includes food crops, where the recycled water comes into contact with the edible portion of the crop. Just remember to wash all fruits, vegetables, and herbs with drinking water prior to consumption.

  Recycled water tends to have a higher salt content than drinking water. We advise you to direct the recycled water to the roots of the plants and not the foliage. This will protect them from potential leaf burn.

- **Do water-use restrictions (conservation) apply to recycled water?**

  No. Water-use restrictions do not apply to recycled water. However, recycled water is a valuable resource and should not be wasted.

- **How much will recycled water cost me?**

  Nothing, it's free.

- **How much recycled water can I pick up at a time?**

  Maximum per load is 300 gallons (approximately 2,500 pounds). Be aware liquids being transported in a container can be subject to sloshing movement which may cause the container to shift or tip over. Always drive at a safe speed.

- **What are the rules and regulations for residential use of recycled water?**

  1. Fill out an application and sign the Recycled Water Use Agreement. Obtain Las Virgenes–Triunfo Joint Powers Authority (JPA) approval. Recycled water is only available only to end users located within the Las Virgenes- Triunfo JPA service area.

  2. Collection and storage containers shall have JPA recycled water notice stickers placed on them to ensure everyone is aware recycled water is stored in the container and the water is not suitable for human consumption. The stickers are available at the Las Virgenes Municipal Water District headquarters or at the recycled water fill station.

  3. Recycled water shall not be placed in a storage container that is connected to the plumbed landscape irrigation system or the onsite drinking water supply.

  4. Recycled water shall not be discharged to the street gutter or storm drain system. If you have leftover recycled water and want to dispose of it, either discharge it to a landscaped area or to the sanitary sewer system via an onsite cleanout.

  5. After working with recycled water, remember to apply hand sanitizer or wash hands with soap and domestic drinking water, especially before eating or smoking.

  6. Do not DRINK recycled water or use it for food preparation, or in food preparation areas.

  7. Take precautions to avoid contact with food while using recycled water.

  8. Wash vegetables with domestic (potable) water prior to eating or cooking.

  9. No one shall play with recycled water.

10. The JPA may conduct site visits to ensure your proper use of recycled water and to ensure the health and safety of your family and the public.

- **Procedures to obtain recycled water**

1. Complete and submit this application form and agreement.
2. Once your application is received, staff will be in contact with you to schedule you for recycled water use training. The training will cover proper use of recycled water, procedures for collection, and answer any questions you may have.
3. During the training you will also be provided with recycled water notice stickers to be placed on all containers that will be used to transport and store recycled water.
4. After training is complete and stickers have been installed on the containers, you will be able to pick up recycled water during the designated hours.
5. You are required to enter your name, date, time and volume collected on the recycled water fill station log.
6. Annual refresher training is required.

Certification Statement/Signature Section

[ ] By checking this box, I understand all the conditions of this agreement and agree to comply with these conditions and to conform to the Las Virgenes-Triunfo Joint Powers Authority requirements for recycled water use at my residential property. Failure to comply with the conditions of this agreement may lead the JPA to revoke permission for me to use recycled water at my residential property.

First Name _____ Last _____

Residential Property Address _____ City _____

Signature _____ Date _____

Procedures for Residential Customers to Obtain Recycled Water at the Rancho Las Virgenes Fill Station

1. Complete an application (online if possible) and staff will contact customer to make an appointment for the initial training and pickup.

2. During the customer's initial pickup of recycled water, staff will provide training with the residential customer(s).

3. Customers will be given wallet cards as proof of training and recycled water notice stickers (provided by the JPA) to place on their containers used for transporting and storing recycled water after training. Annual refresher training is required.

4. Customers will log their name, address, date, time and amount collected on the fill station log sheet for each visit.

5. After initial pickup and one-on-one training customers will be able to pick up recycled water at the fill station when staff is present. [Fill station hours are yet to be determined.]

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

Residential Recycled Water Fill Station

Description of Program
6/17/2015

Program Details

Customer Procedures

The Recycled Water Fill Station Program will be available only to Joint Power Authority customers (Oak Park, Calabasas, Agoura Hills, Westlake Village, Hidden Hills and portions of unincorporated Los Angeles County) who have undergone training in the safe use of recycled water. Customers will be able to use containers of a minimum of 1 gallon to a maximum of 300 gallons. Hours of operation have not been established yet. Staff will be onsite to provide assistance and monitoring during operational hours.

Customers will be required to read and complete the Use Application and receive training before they receive recycled water. The purpose of the training is to give the customer an understanding of the conditions for proper use of recycled water. If the conditions of proper use are not followed, the customer may not be allowed access to recycled water. Annual refresher training will be required. The training consists of a PowerPoint presentation covering the safe use of recycled water. It will be emphasized that recycled water cannot be used for drinking or cooking and that it cannot be plumbed or pumped into any domestic water supply. Customers will be given recycled water notice stickers to be placed on all containers that will be used for transporting and/or storing recycled water. Additionally, customers will be issued a wallet card which indicates that they underwent training valid for one year.

Once the customer completes the Use Application, attends training, and installs stickers onto containers, they will be able to receive recycled water during the designated hours of operation. Customers will be required to complete a log sheet every time they "pick up" recycled water.

Recycled Water Supply

The Tapia Water Reclamation Facility (Tapia) operated by the Las Virgenes–Triunfo Joint Powers Authority will provide the recycled water for this program. Tapia treats to a tertiary level in compliance with Title 22 requirements for recycled water.

Recycled Water Fill Station Protocol

The recycled water fill station will be located at the Rancho Las Virgenes Composting Facility at 3700 Las Virgenes Road in Calabasas. Customers will enter the facility from Las Virgenes Road or Lost Hills Road and proceed up the entry road to where they will be directed to the fill station. The customer will show their proof of training card and containers with proper labeling to the attendant before beginning the filling process. There will be several hose bibs with shut-off valves at both the source and filling handle. The customer will fill and secure their container with recycled water and complete the log sheet before exiting the facility. The log sheet will keep track of the customer's

name, date, time, address of customer, intended use of recycled water, as well as volume of recycled water received. Loads are limited to 300 gallons per trip. Staff will monitor the hose bibs to make sure that there are no leaks. The customer is responsible to assure that the containers are not leaking and to take care not to overfill containers.

Las Virgenes-Triunfo Joint Powers Authority

Recycled Water

Fill Station Program

What is Recycled Water?

It's highly-treated wastewater that can be used for non-potable purposes such as-

- Landscape & food crop irrigation
- Dust control
- Decorative fountains
- Flushing

Taking Water "Full Circle"

The Las Virgenes Triunfo JPA has been using Recycled Water since the 1970's.

- Golf Courses
- Parks
- School Grounds
- Roadway Landscapes & Medians
- HOA Common Areas
- Business Campuses

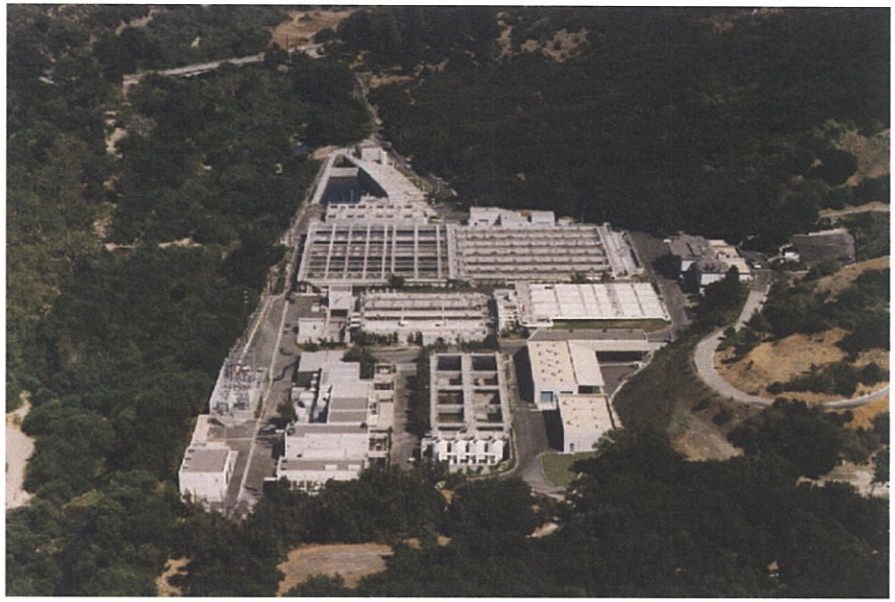
Reducing Demand for Potable Water

Each year, 20% of the water delivered in the JPA's service area is Recycled Water.

- Gallon-for-gallon reduction in potable usage.
  - Reduces the demand for imported water.
  - Makes use of a local resource.
  - Saves potable water for higher uses.

Tapia Water Reclamation Facility

- Treats 8 million gpd
- Tertiary Treatment
- Title 22 standards
- Safe for human contact
- May be used on crops grown for human consumption



Recycled Water NOT Suitable For-

- Drinking
- Cooking
- Bathing or showering
- Filling swimming pools or spas
- Children's water toys
- Plumbing it to household water system
- Discharging to gutters & storm drains

When Using Recycled Water…

- No one shall play or drink it.
- Do not spray recycled water onto potable fixtures.
- Do not use recycled water on food, or in food handling areas.
- Avoid contact with a wet recycled water use area when handling food.
- Prevent overspray, ponding or runoff of recycled water from an authorized use area.
- If you must dispose of recycled water, use it on landscape or pour it into the sanitary sewer system using an onsite cleanout.
- No irrigation or impoundment of recycled water is allowed within a minimum of 50 ft. of a domestic drinking water well.

Health & Safety Guidelines

- After using recycled water-
  - Use hand sanitizer or wash hands with soap & water
- You may use recycled water on gardens for vegetables & fruit-bearing plants-
  - Wash fruits & vegetables with potable water prior to cooking or consuming
- For cuts or abrasions-
  - Promptly wash with potable water
  - Disinfect & bandage
  - Vehicles using the recycled water fill station shall be equipped with an adequate first aid kit.

Proper Handling & Equipment

- All equipment that comes into contact with recycled water including hoses, spray nozzles, containers-
  - Must be dedicated for use only with recycled water
  - Shall not be reconnected to potable water system

Procedures for Pickup

1. Must complete & submit usage agreement.
2. Receive initial training (or annual refresher) & obtain wallet card.
3. Place Recycled Water labels on ALL. transport & storage containers.
4. You may only obtain recycled water during fill-station operating hours.

When Picking up Recycled Water

- Be mindful of other traffic.
- Complete log sheet.
- Keep children inside your vehicle.
- Wait for your turn.
- Turn off vehicle while filling or waiting at the station
- Do not leave any trash or debris at filling station

Recycled Water Container Guidelines

- 300 gallon maximum.
- Consider your vehicle's load capacity.
  - 100 gallons = 834 pounds
- Containers must have watertight lids & no leaks.
- Secure containers for safe travel.
- Containers may not be used to carry potable water.
- Connections from a recycled water container to the potable water system are not allowed

Helpful Tips

- Hand watering works best.
- Be careful when moving heavy containers.
- Store recycled water in a secure location and seal the container.
- Reduce fertilizer use.
- Do not allow recycled water to escape to waterways, lakes or storm drains.

Recycled Water Use Information:

Gary Weston

Customer Service Programs Supervisor

GWeston@LVMWD.com

(818) 251-2234

Recycled Water Fill Station Information:

Robert Robins

Compost Operations Supervisor

RRobins@lvmwd.com

(818) 251-2347

INFORMATION ONLY

July 6, 2015 JPA Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Las Virgenes Scenic Corridor Completion Project: Grant of Easement to City of Calabasas

On May 12, 2015, the LVMWD Board of Directors, acting as the Administering Agent of the Las Virgenes-Triunfo Joint Powers Authority (JPA), authorized the General Manager to approve an easement, in a form approved by Legal Counsel and subject to authorization from the U.S. EPA, to the City of Calabasas for construction of a retaining wall for the Las Virgenes Scenic Corridor Completion Project.

SUMMARY:

The City of Calabasas is finalizing the design of the Las Virgenes Scenic Corridor Completion Project. The project includes installation of a soil nail retaining wall on the east side of Las Virgenes Road near Meadow Creek Lane. The wall will retain a hillside fronting the JPA's spray field to allow for widening of Las Virgenes Road. To allow for construction of the retaining wall, the City has requested an easement from the JPA. Staff reviewed the design plans and determined the proposed retaining wall and requested easement will not impact the JPA's operations.

FISCAL IMPACT:

No

ITEM BUDGETED:

No

FINANCIAL IMPACT:

There is no financial impact associated with this action.

DISCUSSION:

The City of Calabasas Las Virgenes Scenic Corridor Completion Project will provide two travel lanes in each direction, bicycle facilities on both sides of the road, and sidewalk on the west side with landscaped medians along Las Virgenes Road from Agoura Road to Lost Hills Road. Additionally, a traffic signal will be installed at the entrance to Headquarters to make it safer to enter and exit, and a left turn pocket will be added just north of Meadow Creek Lane for the entrance to North Canyon.

To widen the segment of Las Virgenes Road near Meadow Creek Lane, a two-tier soil nail retaining wall system is proposed by the City. The retaining wall is to be located within an easement area from the JPA that will be approximately 335 feet long and 34 feet wide with a total area of 11,356 square feet. Staff contacted the State Water Resources Control Board and confirmed that granting the proposed easement to the City of Calabasas will not trigger a lien release or title change on the real property that was funded by Clean Water Grant No. C-06-1028-410. Also, the easement will not interfere with the JPA's operations.

Attached is a copy of the easement request and supporting documents from the City of Calabasas.

Prepared By: John Zhao, Principal Engineer

ATTACHMENTS:

City of Calabasas Easement Request

CITY of CALABASAS

March 6, 2015

TO: Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302
ATT: Mr. John Zhao

RE: LAS VIRGENES SCENIC CORRIDOR COMPLETION PROJECT – REQUEST FOR PERMANENT EASEMENT

The City of Calabasas is in the final stages of preparation of the construction documents for the Las Virgenes Scenic Corridor Completion project. The project's limits are from Agoura Road to Lost Hills Road. Upon completion, the project will provide two travel lanes in both directions to enhance the capacity and traffic flow; continuous bicycle facilities on both sides of the road, a continued sidewalk on the west side, two new traffic signals and landscaped medians. In order to widen the roadway to construct the above mentioned improvements and minimize the amount of grading, a two tiered soil nail retaining wall was designed on the east side of the road adjacent to LVMWD property. A copy of the retaining wall plans are enclosed with this letter (Attachment A).

The current project schedule estimates the construction commencement date to be in June of 2015. It is anticipated that the project will be completed in nine months. A left turn lane into the LVMWD driveway and left turn access to the LVMWD's maintenance road were included into the plans as was previously discussed with the District.

The City would like to initiate a process of getting an approval from the Las Virgenes Municipal Water District for a permanent easement related to the installation of the above mentioned retaining walls, underground soil nails and associated grading.

The proposed soil nail retaining walls which encroach into the LVMWD property and the underground soil nails behind the wall will be installed for their construction. Engineering research conducted prior to design determined that the installation of the soil nails does not conflict with the existing utility locations.

A permanent easement for the parcel with APN No. 4455-025-900, which is owned by Las Virgenes Municipal Water District, is required for:

1. Construction access;
2. Construction and maintenance of soil nails and two associated retaining walls;
3. Slope grading and slope maintenance.

Please see the enclosed Attachment B for the limits of a requested permanent easement.

Please feel free to contact me if you have any questions or need additional information. I appreciate your assistance with this matter.

Sincerely,

Tatiana L. Holden, P.E.
Associate Civil Engineer
Public Works Department
City Of Calabasas
Ph. (818) 224-1674

ITEM 9B

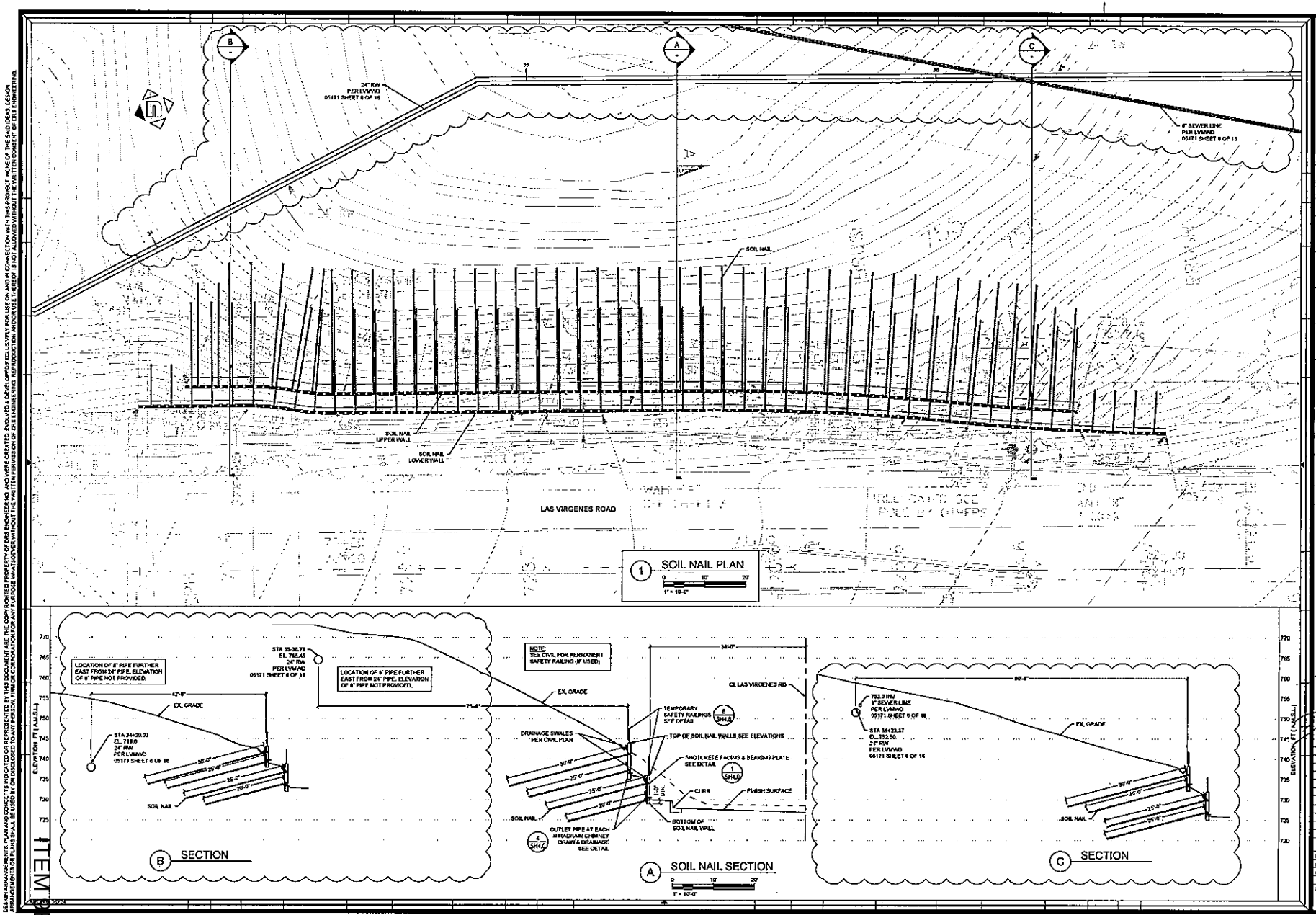
Attachment A

Google earth

feet 10
meters 4

ITEM 9B

Attachment B



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ITEM 8B

DRS Engineering Inc.
1024 PICO BLVD. STE. 05
SANTA MONICA, CA 90405
TEL: (818) 402-3562
FAX: (818) 276-1923
WWW.DRS-ENGINEERING.NET
DRS@DRS-ENGINEERING.NET

PROJECT NAME
LAS VIRGENES RD STREET IMPROVEMENT

GEOTECHNICAL CONSULTANTS

CIVIL CONSULTANTS

OWNER

PERMANENT SOIL NAIL WALLS PLAN

REV.	DESCRIPTION	DATE
1	Plan Check Comments	03.19.15

PROJECT No. 2015-06

DATE	02-24-2015
DRAWN	DRS - DDO
CHECKED	DRS
SCALE	AS SHOWN
SHEET No.	SH-2.6

Attachment C

EASEMENT

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

Las Virgenes Municipal Water District

do hereby grant to City of Calabasas, a municipal corporation of the State of California, Grantee, an easement for, and the right to widen Las Virgenes Road, grading, construct and maintain retaining walls, soil nails and landscape in and across the real property in the County of Los Angeles, State of California described as

EXHIBIT "A" (Legal Description)

EXHIBIT "B" (Easement Plat)

Together with the right to enter upon, and to pass and repass over and along said easement and right of way and to deposit tools, implements, and other materials thereon, by said Grantee, its officers, agents and employees, and by any contractor, his agents and employees, engaged by said Grantee. Grantee is responsible to maintain improvements constructed by the Grantee within easement. Grantor reserves the right to construct, operate and maintain improvements, trees, shrubs and other vegetation which do not interfere with the grantee's use of the subject easement as determined by the grantor in its sole discretion.

It is understood that each undersigned Grantor grants only that portion of the above described land in which said Grantor has an interest.

Date:_____

By: _____

_____

EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 31, TOWNSHIP 1 NORTH, RANGE 17 WEST, SAN BERNARDINO MERIDIAN, IN THE CITY OF CALABASAS, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND ON FILE IN THE BUREAU OF LAND MANAGEMENT, AND IS DESCRIBED AS FOLLOWS:

THAT PORTION OF PARCEL 1 DESCRIBED IN THE FINAL ORDER OF CONDEMNATION, LOS ANGELES COUNTY SUPERIOR COURT, CASE NO. C 296 564, A CERTIFIED COPY OF SAID ORDER BEING RECORDED ON APRIL 22, 1985, AS INSTRUMENT NO. 85-450302, OFFICIAL RECORDS OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULAR DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE NORTH LINE OF SAID NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 31, WITH THE EASTERLY LINE OF LAS VIRGENES ROAD, 60 FEET WIDE, AS DESCRIBED IN THE DEED TO THE COUNTY OF LOS ANGELES RECORDED MARCH 17, 1949, AS INSTRUMENT NO. 2483, IN BOOK 29615 PAGE 139, OFFICIAL RECORDS OF THE COUNTY RECORDER OF SAID COUNTY, THENCE SOUTHWESTERLY ALONG SAID EAST LINE OF LAS VIRGENES ROAD, SOUTH 5°59'17" WEST 777.13 FEET TO THE **TRUE POINT OF BEGINNING**; THENCE CONTINUING ALONG SAID EAST LINE OF LAS VIRGENES ROAD, SOUTH 5°59'17" WEST 17.72 FEET; THENCE CONTINUING ALONG SAID EAST LINE OF LAS VIRGENES ROAD, SOUTH 5°22'13" WEST 335.54 FEET; THENCE LEAVING SAID EAST LINE, SOUTH 84°37'47" EAST 11.21 FEET; THENCE NORTH 24°27'08" EAST 70.33 FEET; THENCE NORTH 9°48'19" EAST 66.35 FEET; THENCE NORTH 5°22'14" EAST 132.34 FEET; THENCE NORTH 13°10'11" WEST 49.33 FEET; THENCE NORTH 1°04'38" WEST 20.40 FEET; THENCE NORTH 31°58'21" WEST 26.68 FEET; THENCE NORTH 84°10'32" WEST 4.99 FEET; TO THE **TRUE POINT OF BEGINNING.**

CONTAINING AN AREA OF 11,356 SQUARE FEET OR 0.261 ACRES.

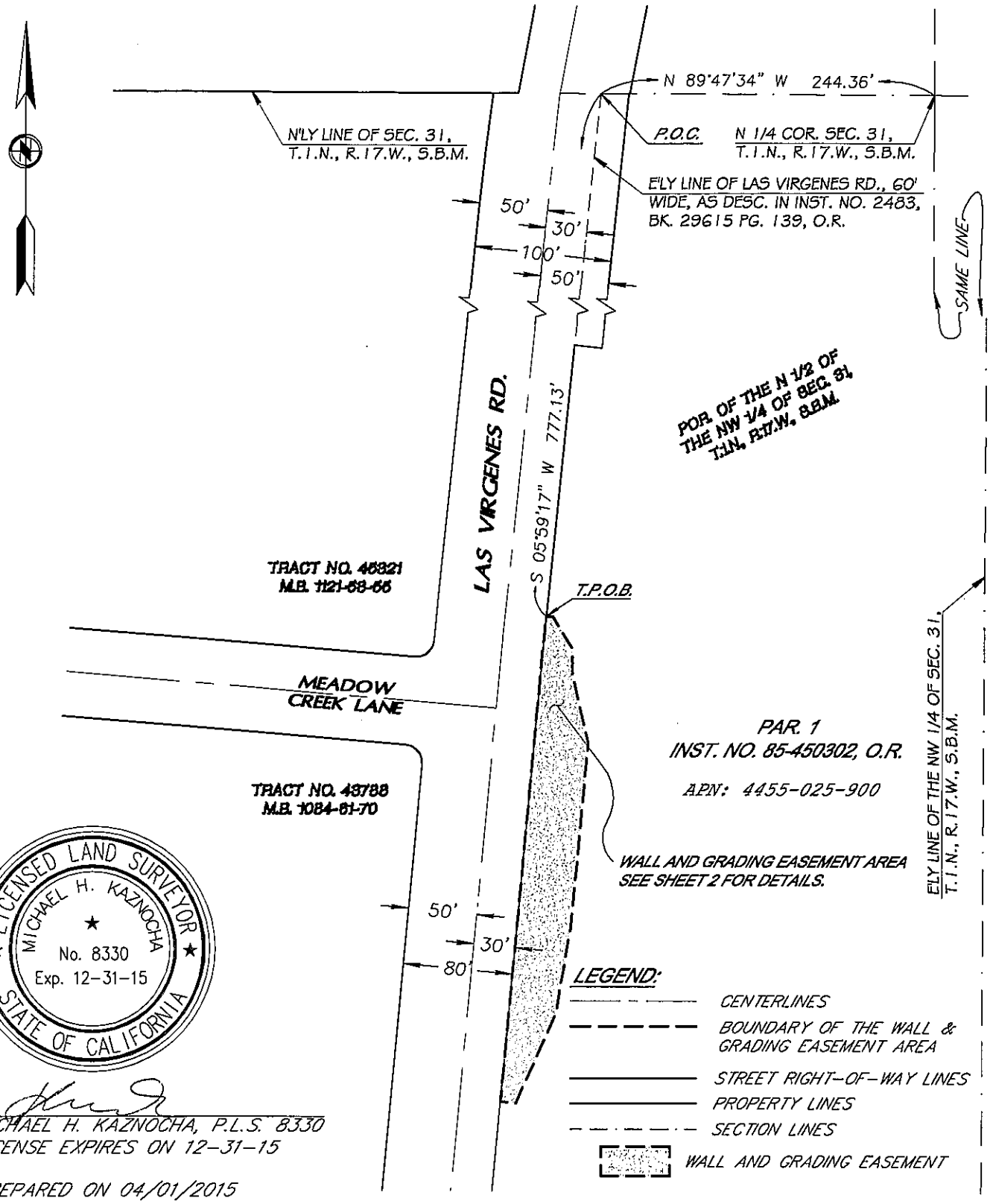
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 5, NORTH AMERICAN DATUM 1983 CSRC EPOCH 2011.00, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS OPERATING REFERENCE STATIONS (CGPS) ROCK AND LAPC BEING SOUTH 57°12'01" EAST AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).

SEE EXHIBIT "B" ATTACHED HERETO AND MADE A PART HEREOF.

Date: 04-01-2015

Prepared by:

Michael H. Kaznocha, P.L.S. No. 8330
License Expires: 12-31-2015



LICENSED LAND SURVEYOR
MICHAEL H. KAZNOCHA
No. 8330
Exp. 12-31-15
STATE OF CALIFORNIA

MICHAEL H. KAZNOCHA, P.L.S. 8330
LICENSE EXPIRES ON 12-31-15

PREPARED ON 04/01/2015

DIAMOND WEST INCORPORATED
civil engineering • land surveying • land planning
24005 Ventura Boulevard, Suite 100
Calabasas, California 91302
Voice: (818) 444-1800
Facsimile: (818) 223-9215
www.diamondwest.net

EXHIBIT "B"
WALL AND GRADING EASEMENT

SURVEY PREPARED FOR:
CITY OF CALABASAS
100 CIVIC CENTER WAY
CALABASAS, CA 91302

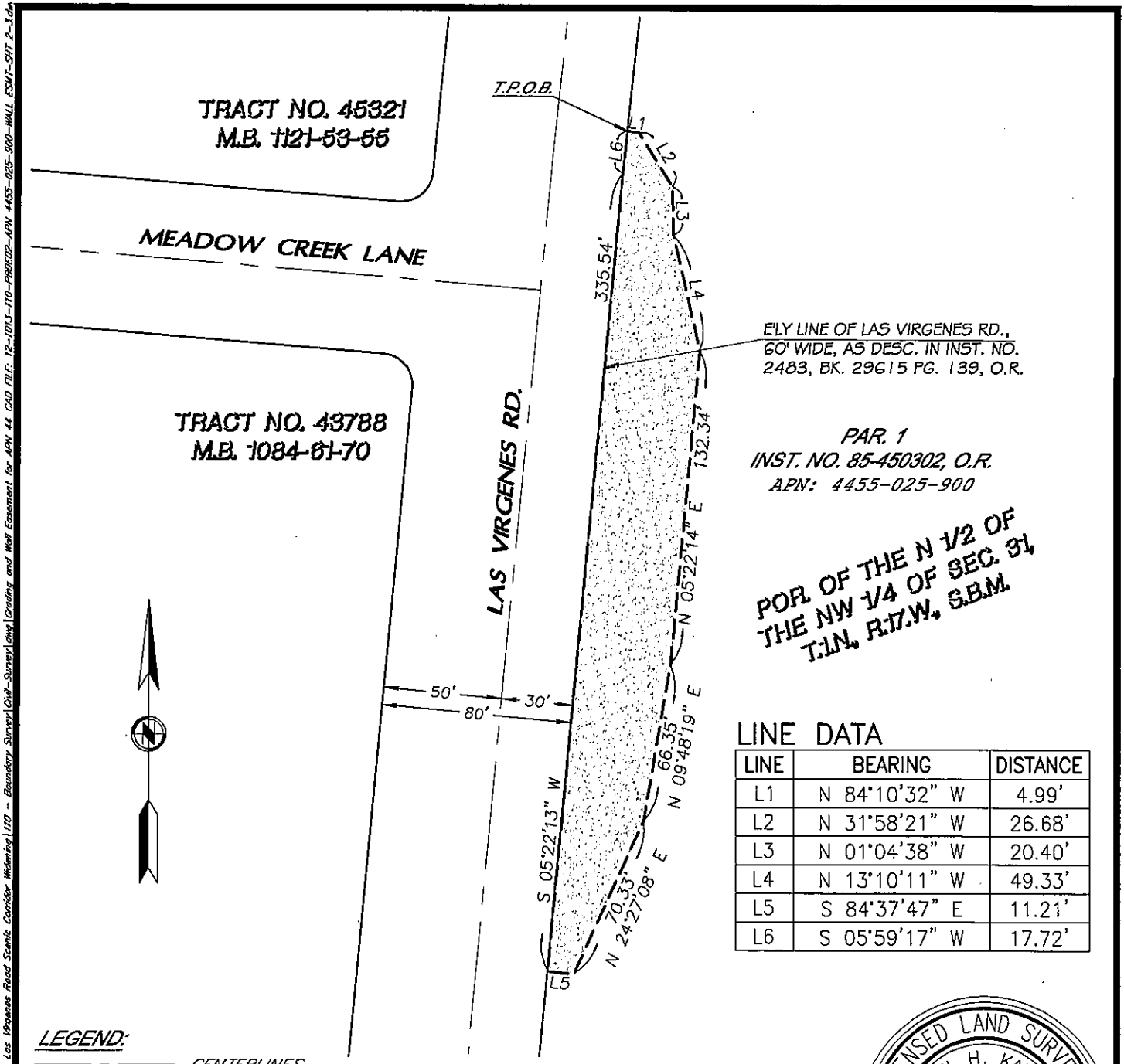
DRAWN:	MHK,TCF
CHECKED:	MHK
DATE:	04/01/15
SCALE:	1"=100'
DWI JOB #:	12-1013

SHEET NO. 1 OF 7 SHEETS

ITEM 9B

PLOT DATE: Apr 01, 2015 - 2:41pm BY: michael FILE PATH: P:\12-1013 - Las Virgenes Road Scenic Corridor Widening\110 - Boundary Survey\Civil-Survey\dwg\Grading and Wall Easement for APN 44 CAD FILE: 12-1013-110-PBDE01-APN 4455-025-900-WALL ESMT-SHT 1.dwg

Attachment D 4 of 6



LINE DATA

LINE	BEARING	DISTANCE
L1	N 84°10'32" W	4.99'
L2	N 31°58'21" W	26.68'
L3	N 01°04'38" W	20.40'
L4	N 13°10'11" W	49.33'
L5	S 84°37'47" E	11.21'
L6	S 05°59'17" W	17.72'

LEGEND:

- CENTERLINES
- BOUNDARY OF THE WALL AND GRADING EASEMENT AREA
- STREET RIGHT-OF-WAY LINES
- PROPERTY LINES
- SECTION LINES
- WALL AND GRADING EASEMENT AREA

SEE SURVEYOR'S NOTES ON SHEET 3.

LICENSED LAND SURVEYOR ★ MICHAEL H. KAZNOCHA ★ No. 8330 Exp. 12-31-15 ★ STATE OF CALIFORNIA

MICHAEL H. KAZNOCHA, P.L.S. 8330
LICENSE EXPIRES ON 12-31-15

PREPARED ON 04/01/2015

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EXHIBIT "B"
WALL AND GRADING EASEMENT

SURVEY PREPARED FOR:
CITY OF CALABASAS
100 CIVIC CENTER WAY
CALABASAS, CA 91302

DRAWN:	MHK,TCF
CHECKED:	MHK
DATE:	04/01/15
SCALE:	1"=60'
DWI JOB #:	12-1013

SHEET NO. 2 OF 3 SHEETS

PLOT DATE: Apr 01, 2015 - 2:43pm BY: michael FILE PATH: P:\12-1013 - Las Virgenes Road Scenic Corridor Widening\10 - Boundary Survey\Civil-Survey\dwg\Grading and Wall Easement for APN 44 CAD FILE: 12-1013-10-PREEQD-APN 4455-025-900-WALL ESMT-SHT 2-3.dwg

Attachment D 5 of 6

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 5, NORTH AMERICAN DATUM 1983 CSRC EPOCH 2011.00, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS OPERATING REFERENCE STATIONS (CGPS) ROCK AND LAPC BEING SOUTH 57°12'01" EAST AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).

REFERENCED BEARINGS FROM OTHER DOCUMENTS/DEEDS MAY OR MAY NOT BE IN TERMS OF SAID SYSTEM.

THE BEARING OF NORTH 06°14'18" EAST OF THE CENTERLINE OF LAS VIRGENES ROAD IS SHOWN AS NORTH 6°02'50" EAST (THE MOST SOUTHERLY LINE) ON COUNTY SURVEYOR'S MAP NO. B-5133, RECORDS OF LOS ANGELES COUNTY, CALIFORNIA.

ALL DISTANCES SHOWN ON THIS MAP ARE GROUND VALUES UNLESS OTHERWISE SPECIFIED. THE GROUND VALUES WERE CALCULATED BASED ON GRID COORDINATES OF ALL MEASURED POINTS UTILIZING RAPID STATIC AND RTK GPS TECHNIQUES AND ADJUSTED TO CSRC CONTINUOUS OPERATING REFERENCE STATIONS ROCK, LAPC AND SPK1. LATITUDE, LONGITUDE AND ELLIPSOIDAL HEIGHT OF SAID REFERENCE STATIONS ARE PUBLISHED (RECORDED) IN THE HORIZONTAL CONTROL NETWORK ADJUSTED BY CALIFORNIA SPATIAL REFERENCE CENTER, EPOCH 2011.00 NAD83 (NSRS2007) COORDINATES COMPUTED BY SOPAC/CSRC ON 05/13/2011 FROM MODELED POSITION TIME SERIES UP TO EPOCH 2011.2918.

THE AVERAGE COMBINED SCALE FACTOR OF 0.9999434995 WAS USED TO OBTAIN GROUND DISTANCES. (GRID DISTANCE = GROUND DISTANCE x COMBINED SCALE FACTOR).

REFERENCE DOCUMENT:

ORANGE COAST TITLE COMPANY'S PRELIMINARY TITLE REPORT
ORDER NO. 140-1531227-32, DATED AS OF SEPTEMBER 23, 2013.

ASSESSOR'S PARCEL NUMBER:

A.P.N. 4455-025-900

WALL AND GRADING EASEMENT AREA:

AREA = 11,356 SQ. FT.

MICHAEL H. KAZNOCHA, P.L.S. 8330
LICENSE EXPIRES ON 12-31-15

PREPARED ON 04/01/2015

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EXHIBIT "B"
WALL AND GRADING EASEMENT

SURVEY PREPARED FOR:
CITY OF CALABASAS
100 CIVIC CENTER WAY
CALABASAS, CA 91302

DRAWN:	MHK,TCF
CHECKED:	MHK
DATE:	04/01/15
SCALE:	N/A
DWI JOB #:	12-1013

SHEET NO. 3 OF 3 SHEETS

ITEM 9B

Attachment D 6 of

INFORMATION ONLY

July 6, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: General Manager

Subject: Tapia Water Reclamation Facility NPDES Permit Renewal: Public Outreach Activity

SUMMARY:

On May 4, 2015, JPA Director Mike McReynolds requested a future agenda item to discuss the public outreach process for the National Pollutant Discharge Elimination System (NPDES) Permit renewal for the Tapia Water Reclamation Facility.

Public outreach and engagement is a key element of the JPA's multi-pronged strategy (copy attached) to address stringent regulatory standards for Malibu Creek. This element will be especially important leading up to the Los Angeles Regional Water Quality Control Board (RWQCB) hearing for renewal of the NPDES Permit for Tapia. Past experience, particularly during the 2005 NPDES Permit renewal process, has shown that public comment and testimony are valuable to ensure that ratepayer concerns are considered prior to the RWQCB's action on the permit.

Based on discussions with Sam Unger, Executive Officer of the RWQCB, the Tapia NPDES Permit is expected to be considered for renewal in spring 2016. A draft permit outlining the proposed terms would likely be available for review in late 2015. Staff proposes to re-engage customers on the topic once the proposed terms are known. However, a ruling in the case of *Las Virgenes - Triunfo Joint Powers Authority v. United States Environmental Protection Agency* could prompt a earlier timeframe for customer outreach and engagement.

FISCAL IMPACT:

No

ITEM BUDGETED:

No

Prepared By: David W. Pedersen, Administering Agent/General Manager

ATTACHMENTS:

Strategy to Address Proposed Regulatory Standards for Malibu Creek

STRATEGY TO ADDRESS PROPOSED REGULATORY STANDARDS FOR MALIBU CREEK

March 29, 2013

Purpose:

The purpose of this report is to outline a multi-pronged strategy to address stringent proposed regulatory standards for Malibu Creek. The goal is to ensure that new regulatory standards for Malibu Creek, and the associated implementation schedules, are scientifically-based with demonstrable and achievable objectives, thoroughly vetted with the affected stakeholders, and affordable to the JPA and its ratepayers.

Background:

On March 22, 1999, U.S. District Court Judge Saundra Brown Armstrong approved an "Amended Consent Decree" (Consent Decree) to settle the case of Heal the Bay, Santa Monica Baykeeper, et al. v. Browner, et al. The Consent Decree stipulated that the U.S. Environmental Protection Agency (EPA) would establish 530 Total Maximum Daily Loads (TMDLs) for the Los Angeles Region of the Regional Water Quality Control Board (RWQCB) over a 13-year period. The TMDLs were organized into 92 analytical units. Analytical Unit 50 included two TMDLs for the reach of Malibu Creek from Malibu Lagoon to Malibou Lake: (1) nutrients (algae), and (2) unnatural scum/foam.

In response to the Consent Decree, the EPA established a nutrient TMDL for Malibu Creek on March 22, 2003. In general, the TMDL set winter-time limits for inorganic nitrogen and phosphorous levels of 8.0 mg/L and 3.0 mg/L, respectively, and summer-time limits for the same of 1.0 mg/L and 0.1 mg/L, respectively. However, the infrequent summer-time discharges from the Tapia Water Reclamation Facility (Tapia WRF) were characterized as de minimis, which provided some relief from the stringent summer-time limits. The JPA constructed major facility improvements for the Tapia WRF to comply with the new limits, costing the ratepayers approximately $10 million.

On September 1, 2010, the court approved a "Modified Amended Consent Decree" (Modified Consent Decree) that changed a number of terms of the original Consent Decree. Specifically, four new TMDLs were added to the Consent Decree, 14 TMDLs were removed, and the deadlines for seven TMDLs were extended to March 24, 2013. Among the newly added TMDLs were two for Malibu Creek: (1) benthic-macroinvertebrate bioassessments, and (2) sedimentation/siltation. The first TMDL was unusual because the EPA had not yet approved a Clean Water Act 303(d) listing for benthic-macroinvertebrate impairments in Malibu Creek and benthic-macroinvertebrates are not pollutants, which normally are to be paired with water bodies when establishing TMDLs pursuant to the Clean Water Act.

The EPA released a nearly 200-page draft TMDL to address benthic-macroinvertebrate bioassessments on December 12, 2012. The water quality limits proposed under the draft TMDL consisted of 1.0 mg/L for total nitrogen and 0.1 mg/L for total phosphorous. The JPA reviewed the document and provided detailed comments on the proposed TMDL, citing serious flaws in the science used as a basis for the new regulatory standards. The TMDL was largely dismissive of the unique characteristics of Malibu Creek and the surrounding geology, namely the Monterey Formation. At this time, the JPA believes that it is unrealistic that the EPA can earnestly address the extensive comments submitted by the JPA and other stakeholders by the March 24, 2013 deadline to establish the TMDL.

Strategy Development:

Following is a summary of the JPA's proposed strategy to address the TMDL, considering the regulatory process, public outreach, political advocacy, economic considerations, and scientific investigation.

1. Regulatory Process

Actively engage in the regulatory process for establishment and implementation of Malibu Creek water quality standards.

The JPA will continue to actively engage in the regulatory processes for Malibu Creek water quality standards. These regulatory processes for establishment and implementation of regulatory standards for Malibu Creek generally include opportunities for the affected stakeholders to review drafts and provide comments to the regulatory authority. Assuming that the EPA establishes the benthic-macroinvertebrate TMDL on March 24, 2013, it will be critical for the JPA to prepare in advance to review and comment on the proposed implementation of the TMDL. JPA staff will work to build a broad coalition of affected stakeholders to propose re-evaluation of the basis for the TMDL and a realistic implementation schedule. This approach may include stakeholder meetings with the Los Angeles RWQCB, the regulatory agency with implementation authority for the TMDL, prior to the release of any additional proposed regulations. The stakeholder group will include a cross-section of public agencies, community groups, and professional organizations (i.e. CASA, ACWA, SCAP, WEF, NACWA, AWWA). Additionally, staff will attempt to reach out to environmental organizations to seek common ground on the issues. The Ojai Valley Sanitation District has recently experienced a positive outcome with a similar approach for the Ventura River algae TMDL.

2. Economic Considerations

Determine and communicate to the JPA's ratepayers the total estimated cost of compliance with the proposed regulatory standards.

A complete assessment of the proposed regulations requires an understanding of the total cost of compliance, including initial capital costs and on-going operations and maintenance expenses. A preliminary report prepared in 2005 estimated that the 2003 summer-time TMDL standards (effectively similar to the currently proposed year-round standards) would require $160 million in infrastructure improvements with substantial on-going operations and maintenance costs. The estimate did not include the cost of brine disposal that would be required for the reverse osmosis treatment system recommended at that time because there were no practical options for its disposal. These brine disposal costs need to be estimated, and the 2005 figures should be updated to current day dollars. Potential financing options and the impact on wastewater rates also need to be considered. The cost of alternative methods of compliance, such as construction of an ocean outfall, should be established to allow the JPA Board to weight its options. In 2006, the estimated cost to construct a force main and gravity-flow pipeline through Malibu Canyon to a subsurface ocean outfall was $54.8 million. Finally, the economic impact must be communicated to the JPA's ratepayers in a meaningful way (i.e. explaining how it would affect their bill).

3. Public Outreach

Communicate effectively with the JPA's customers on the impacts of the proposed regulatory standards for Malibu Creek.

Communication with the JPA's customers on the impacts of the proposed regulatory standards for Malibu Creek will be important to ensure that their interests and concerns are adequately represented by staff. Also, customers should be provided with an explanation of the intent of the proposed regulations and information on whether or not the intended outcome is attainable. The communications will need to be understandable (i.e. no jargon) and two-way, allowing customers to provide input and feedback. The messages should be tailored to the target audience and provide sufficient context to enable customers to "bring it home" (i.e. determine the potential impact to their household). Additionally, the communications should offer possible solutions to address the problem rather than focusing entirely on the shortcomings of the proposed regulatory standards. Customers should also be provided with the opportunity to suggest solutions of their own. A variety of communication tools will likely be

utilized, including printed media, web-based outreach, social media, and speakers bureau presentations.

4. Political Advocacy

Advocate for balanced regulations and implementation schedules with the help and support of elected/appointed officials.

Elected and appointed officials representing the JPA's customers can influence the process to establish and implement new regulatory standards for Malibu Creek. Beginning with the JPA Board members, staff will brief these officials with key concerns and provide talking points for their use in communicating a consistent message to others. Briefings will also periodically be provided to local, state, and federal elected officials and/or their staffs to spread awareness and request assistance. Meetings with the Los Angeles RWQCB members and State Water Resource Control Board members may also be helpful prior to decision-making actions by the two governing bodies. Additionally, the JPA can submit comment letters on appointments to the State Water Resources Control Board and RWQCB, which require Senate confirmation, in an effort to ensure that the appointed officials will fairly balance the competing interests that come before their governing bodies.

5. Scientific Investigation

Develop a better scientific understanding of the unique characteristics of the Malibu Creek Watershed and its impact on water quality.

A thorough scientific understanding of the unique characteristics of the Malibu Creek Watershed and its impact on water quality is essential to ensure that proposed regulations are appropriate and effective. Additional study of the influence of the Monterey Formation on water quality and benthic-macroinvertebrate communities is necessary. A more thorough evaluation of the stressors affecting water quality and their linkage to Malibu Creek's water quality impairments is warranted. Partnerships and collaboration with universities and professional organizations will likely yield the greatest opportunities for better scientific understanding of the watershed. Also, it will be important to maintain the in-house expertise to critically evaluate the new regulatory standards and oversee the JPA's participation in relevant research efforts.

Summary and Conclusions:

The JPA's success to address stringent proposed regulatory standards for Malibu Creek will require a multi-pronged strategy, considering the regulatory process, public outreach, political advocacy, economic considerations, and scientific investigation. The strategy will require strong collaboration among the various stakeholders to ensure that the proposed regulatory standards are scientifically-based with demonstrable and achievable objectives, thoroughly vetted with the affected stakeholders, and affordable to the JPA and its ratepayers.

#####

INFORMATION ONLY

July 6, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: General Manager

Subject: Board Meeting Follow-up Items

SUMMARY:

Attached is a list of follow-up items from previous JPA Board meetings. The list provides a brief description of the various items, origination dates, and responsible managers.

FISCAL IMPACT:

No

ITEM BUDGETED:

No

Prepared By: David W. Pedersen, Administering Agent/General Manager

ATTACHMENTS:

Board Meeting Follow-up Items

Item No.	Origination Date	JPA or LVMWD	Description	Responsible Manager
1	04/06/2015	JPA	FUTURE AGENDA ITEM - Proposal for a Recycled Water Fill/Pick-up Station similar to the one by Dublin-San Ramon Services District.	Lippman
2	05/04/2015	JPA	FUTURE AGENDA ITEM - Discussion of public outreach effort for Tapia Water Reclamation Facility NPDES Permit renewal.	Pedersen