

**LAS VIRGENES - TRIUNFO
JOINT POWERS AUTHORITY
AGENDA
899 Kanan Road, Oark Park, CA**

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

March 2, 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.

<u>Las Virgenes Municipal Water District</u>	<u>Present</u>	<u>Left</u>	<u>Absent</u>
Glen Peterson, Vice Chair	_____	_____	_____
Charles Caspary	_____	_____	_____
Jay Lewitt	_____	_____	_____
Leonard Polan	_____	_____	_____
Lee Renger	_____	_____	_____
<u>Triunfo Sanitation District</u>			
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: Special JPA Meeting of January 29, 2015; Regular JPA Meeting of February 2, 2015; and Special JPA Meeting of February 11, 2015 (Pg. 3) Approve

5. ACTION ITEMS

A **Lost Hills Interchange 10-inch Recycled Water Main Relocation Project: Construction Award (Pg. 15)**

Consider a summary of bids received by the City of Calabasas for the Lost Hills Interchange Improvement Project; and, if the bid amount for 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.

B **Construction of Centrate Equalization Tank and Rehabilitation of Centrate Pipeline: Award of Design (Pg. 16)**

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.

C **Tapia Water Reclamation Facility Channel Mixing Improvements: Construction Award (Pg. 18)**

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.

D **Infrastructure Investment Plan: Fiscal Years 2015-2016 through 2019-2020 (Pg. 20)**

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

6. BOARD COMMENTS

7. ADMINISTERING AGENT/GENERAL MANAGER REPORT

8. FUTURE AGENDA ITEMS

9. INFORMATION ITEMS

A **Board Follow-up Items**

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
MINUTES
SPECIAL MEETING OF JANUARY 29, 2015
RECYCLED WATER SEASONAL STORAGE ACTION PLAN: WORKSHOP NO. 1**

4:00 PM

January 29, 2015

PLEDGE OF ALLEGIANCE

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

1. CALL TO ORDER AND ROLL CALL

A Call to order and roll call

The meeting was called to order at **4:00 p.m.** by Chairman Peterson in the Board Room at Las Virgenes Municipal Water District at 4232 Las Virgenes Road, Calabasas, CA. Daryl Betancur, Clerk of the Board conducted the roll call.

Present: Director(s): Caspary, Lewitt, Polan, Renger, Board Chairman Peterson, McReynolds, Paule, and Wall

Absent: Director(s): Iceland and Orkney

Representatives from the following organizations attended:

Heal the Bay, Los Angeles Department of Water and Power, Montgomery Watson Harza, Las Virgenes Municipal Water District, LA Waterkeeper, City of Calabasas, Cal State Parks, Triunfo Sanitation District, City of Thousand Oaks, Calleguas Municipal Water District, Mountains Restoration Trust, Santa Monica Mountains Conservancy, and Resource Conservation District

2. APPROVAL OF AGENDA

A Approval of agenda

The agenda was approved by unanimous consent.

3. PUBLIC COMMENTS

There were no public comments.

4. RECYCLED WATER SEASONAL STORAGE ACTION PLAN: WORKSHOP

Administering Agent/General Manager Pedersen provided a brief summary as to the nature, scope and

goal of the workshops. Dr. Steve Weber, representative of Montgomery Watson Harza, further briefed the participants on what they could expect from the sessions; provided an introduction to the workshop

and stated that this was a comprehensive water resource strategy endeavor; that this was not an engineering or design study, but a facilitated exercise in communication and thought leadership.

Dr. Joseph Jacangelo provided a presentation on water reuse, which was followed by a Political Economic Social Technical Legal Environmental (PESTLE) exercise lead by Dr. Weber and Bob Armstrong of MWH.

5. **ADJOURNMENT**

Seeing no further business to come before the Board, the meeting was duly adjourned at **7:55 p.m.**

James Wall, Chair

ATTEST:

Glen Pedersen, Vice Chair

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

5:00 PM

February 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 **5:00 p.m.** by Chairman Wall in the Board Room at Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road in Calabasas. Daryl Betancur, Clerk of the Board, conducted the roll call.

Present: Director(s): Caspary, Lewitt, Polan, Renger (arrived at **5:43 p.m.** after roll call),
Vice Chairman Peterson, McReynolds, Orkney, Paule, and Chairman
Wall

Absent: Director(s): Iceland

2. APPROVAL OF AGENDA**A** Approval of agenda

On a motion by Director Caspary, seconded by Director Paule, the Board voted unanimously to approve the agenda as presented.

3. PUBLIC COMMENTS

There were no public comments.

4. CONSENT CALENDAR**A** Minutes: Special JPA Meeting of December 8, 2014 and Regular JPA Meeting of January 5, 2015.

Director Peterson moved to approve the minutes of Special JPA Meeting of December 8, 2014 and Regular JPA Meeting of January 5, 2015 with amendments to clarify Director McReynolds' comments in relation to Item 9D on January 5, 2015. Motion seconded by Director Lewitt. Motion carried unanimously.

5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**A** Proclamation in Recognition of Employee Retirement: Randal Orton

ITEM 4A

Chairman Wall, members of the JPA Board and the Administering Agent/General Manager congratulated Dr. Orton for his 22 years of dedicated service to the District, the support given to the JPA Board and his invaluable technical contributions on the watershed.

6. ACTION ITEMS

A Agoura Road Recycled Water Main Extension: Reconsideration of Award

Approve an appropriation of \$1,209,988 for the Agoura Road Recycled Water Main Extension; request that the City of Agoura Hills award the work to C.A. Rasmussen, Inc., for construction in conjunction with its Agoura Road Widening Project; and authorize the Administering Agent/General Manager to reimburse the City of Agoura Hills, in an amount not to exceed \$1,182,426, for the portion of its progress payments to the contractor for the recycled water main.

Administering Agent/General Manager Pedersen stated that this item was for the Board to reconsider proceeding with the Agoura Road Recycled Water Main Extension; Mr. Pedersen further stated that at the December 8, 2014 meeting, the JPA Board had opted not to proceed with this project because of the high cost; stated that since the Board’s decision, the JPA had received a letter from the Mayor of Agoura Hills urging the JPA Board to reconsider its prior decision for a couple of reasons: 1) importance of the use of recycled water; and 2) the current drought and need for conservation.

Administering Agent/General Manager Pedersen briefly spoke about the meeting held recently with the City Manager and the Mayor of Agoura Hills and former JPA Chair Peterson. He stated that at this meeting, alternatives were discussed to make this project work as a cooperative project between the City of Agoura Hills and the JPA, including a discussion of financial support by the City of Agoura Hills in the amount of \$328,574, which in essence would reduce the JPA cost to \$1,182,426; spoke about the 20% cost savings to build the project in partnership with the City of Agoura Hills as compared to building it separately at a later date; stated that the question before the JPA Board was whether or not to proceed with constructing the project in conjunction with the City; highlighted some of the benefits associated with the construction of this project in a partnership agreement.

Illece Buckley-Weber, Mayor of Agoura Hills, addressed the JPA Board urging them to reconsider extending the recycled water main to close the gap in the recycled water system between Lady Face Court and Lewis Road in Agoura Hills. Mayor Buckley-Weber spoke about her interest in working with the JPA and water district and the importance of recycled water to the City.

There were several comments and questions from the Board directed to Mayor Buckley-Weber and her staff including a question about the City’s plans for the other side of Agoura Road east of Lewis Road; Director Paule took exception with communications in the media and editorials criticizing the JPA Board for its decision regarding this project; Director Paule commented on the cost sensitivity when approving a project with ratepayer funds as opposed to Measure R funds, which are generated from sales tax revenue; other comments included questions about the bidding process and whether or not this project could have been bid out on its own versus a combined bid with the City as presented; and whether or not the project could have been constructed within the JPA’s original cost estimates.

Director Orkney expressed concern about the benefits and who receives more direct benefits from the project; there were comments and concerns about the issue of revenue equity and having to pay for a project where there are intangible benefits. Other directors were generally in support, commenting on the need for the use of more recycled water; vision for the future; and the willingness of the City of Agoura Hills to provide some level of financial support. There were questions about the expected water demands for drought-tolerant plants included in the City’s landscaping plan and the need for a 20% allowance to cover soft costs for the project.

Chairman Wall commented that his support for this project was predicated on the JPA Board also supporting future recycled water projects in Ventura County, which cannot be built for ~~ITEM 4A~~ financial

resources; he stated that he would hope and have faith that if any Ventura County projects were to come before the Board, that these too would receive the same consideration and financial support.

After a substantial discussion on the subject, Director Peterson moved to adopt the recommendation. Motion seconded by Director Caspary. Motion failed (7-2), lacking three affirmative votes from each partner agency.

AYES: Director(s): Caspary, Lewitt, Polan, Renger, Peterson, McReynolds, and Chair Wall
NOES: Director(s): Orkney and Paule
ABSTAIN: Director(s): None

B Woodland Hills Country Club Recycled Water System Extension: Pricing Policy

Approve the pricing policy concept for sale of wholesale recycled water to the Los Angeles Department of Water and Power via the Woodland Hills Country Club Recycled Water System Extension.

Administering Agent/General Manager Pedersen provided a brief summary of the pricing policy discussions that have taken place before the Board and stated that the goal was to receive concurrence and approval on a conceptual proposal for pricing recycled water that the District would sell to the Woodland Hills Country Club. Mr. Pedersen, through a PowerPoint presentation, explained the proposed rate structure and demonstrated how to arrive at the cost for the recycled water.

Mr. Pedersen also stated that staff had met with LADWP recently to discuss two issues: 1) the status of the cooperative agreement for preliminary design and environmental review of the pipeline; and 2) the recycled water pricing policy. He stated that he had received feedback from LADWP on key issues surrounding the project, which included that DWP needed to see a nexus between cost and price for this proposal to be viable; that LADWP is open to considering in-lieu arrangements; that LADWP is willing to purchase recycled water for the cost of the service provided there is not intent to accrue a profit; that LADWP needs to justify any type of financial arrangement to the Board of Commissioners and that negotiations are currently underway for recycled water purchases from other agencies.

Administering Agent/General Manager Pedersen spoke about the project terms in relation to the capital costs; the capital cost of the project for a 4.6-mile pipeline with one mile in the JPA’s service area and the remainder in the City of Los Angeles’ service area; he commented that the total cost to build 4.6 miles of pipeline was about \$13 million with the City agreeing to pay 100% of that capital cost including payment for the portion of the pipeline that will be JPA owned; moreover, LADWP would also dedicate that pipeline, which would have a value of about \$2.5 million to the JPA free of charge; and, additionally, LADWP is proposing to pay for the design costs and all of the environmental documentation plus a 10% administrative cost for the portion of the work that was in the City’s service area or 3.6 miles of pipeline.

Mr. Pedersen spoke about the demand profile as a starting point for any pricing policy; stated that the price was proposed to be based on cost of service with components for wholesale recycled water and potable supplement; commented that annual adjustments would be made to reflect figures for the two components as reflected in the adopted JPA budget; spoke about 5-year re-openers to verify cost recovery and economic justification; and in-lieu return of potable supplement during times of shortage (MWD allocation years); spoke about how applying this pricing concept to figures for Fiscal Year 2014-15, the rate would be \$857/AF.

After a lengthy discussion, Director Paule moved to approve the recommendation. Motion seconded by Director Renger. Motion carried by the following vote:

AYES: Director(s): Caspary, Lewitt, Polan, Renger, Peterson, McReynolds, Paule and Chair Wall
ITEM 4A

NOES: Director(s): Orkney
 ABSTAIN: Director(s): None

C Financial Review: Second Quarter of Fiscal Year 2014-15

Receive and File.

Don Patterson, Director of Finance and Administration presented the second quarter financial report and highlighted some of the key elements of the financial review. There were comments relative to the need to follow up on the large difference between the year to date budget and actual for “recycled water pump station” (\$732,469 v. \$828,152); several questions arose as to why it was so much higher and the influence of the solar facility on the amount; positive feedback provided on the presentation of the Capital Improvement Project (CIP) report.

Director Paule moved to receive and file. Motion seconded by Director Caspary. Motion carried unanimously.

D Heal the Bay’s “Bring Back the Beach” Awards Gala: Attendance

Authorize one Board Member from each agency and the Administering Agent/General Manager to attend the Heal the Bay “Bringing Back the Beach” Awards Gala at a cost of \$500.00 per person.

Administering Agent/General Manager Pedersen stated that for a number of years the Board has participated in this annual fundraising event, which will be held on May 14th at the Jonathan Club in Santa Monica.

Board Member Caspary was proposed to attend on behalf of Las Virgenes Municipal Water District and Chairman Wall was proposed to attend on behalf of Triunfo Sanitation District, along with Administering Agent/General Manager Pedersen.

Director Orkney moved to approve the recommendation. Motion seconded by Director Peterson. Motion carried unanimously.

E Location of Future JPA Board Meetings

Determine whether or not to hold all future JPA Board meetings at Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road, Calabasas.

Administering Agent/General Manager Pedersen stated that this item was a request for a future agenda item by Director Orkney to have the Board consider holding all future JPA meetings at Las Virgenes Municipal Water District headquarters.

After a brief discussed, the Board concurred that all future JPA Board meetings would be held at Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road in Calabasas, with the exception of the March and September meetings of each year, which are to be held at the Oak Park Library conference room in Oak Park to enable ratepayers in that portion of the community to more conveniently attend the JPA meetings.

Director Paule move to hold all future JPA meetings at Las Virgenes Municipal Water District, except the March and September meetings of each year, which are to be held at Oak Park Library. Motion seconded by Director Orkney. Motion carried by the following vote:

AYES: Director(s): Caspary, Polan, Renger, Peterson, McReynolds, Paule, Orkney and
 Chair Wall
 NOES: Director(s): Lewitt

ITEM 4A

ABSTAIN: Director(s): None

7. **BOARD COMMENTS**

Director Polan commented that he would like to encourage stronger conservation efforts.

Director Paule expressed an interest in a potential JPA Recycled Water Fill Station similar to the one by Dublin-San Ramon Services District. He also noted that the city of Thousand Oaks had gone to 100% self-generated power for its Hill Canyon WWTP and suggested that the JPA may want to consider exploring something similar.

8. **ADMINISTERING AGENT/GENERAL MANAGER REPORT**

Administering Agent/General Manager Pedersen reported that the next meeting will be at Oak Park Library; spoke about upcoming events such as the resident tour hosted by Directors Renger and Paule; commented on the upcoming February 11th recycled water workshop.

9. **FUTURE AGENDA ITEMS**

None.

10. **INFORMATION ITEMS**

- A California Water Commission: Proposed Workplan and Activities for Water Storage Investment Program**
- B Rancho Las Virgenes Digester Gas Line Leak: Emergency Declaration**
- C Board Meeting Follow-up Items**

11. **PUBLIC COMMENTS**

None.

12. **CLOSED SESSION**

The Board recessed to closed session at **7:03 p.m.** and reconvened to open session at **7:40 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.

13. **ADJOURNMENT**

Seeing no further business to come before the Board, the meeting was duly adjourned at **7:41 p.m.**

James Wall, Chair

ATTEST:

Glen Pedersen, Vice Chair

**LAS VIRGENES – TRIUNFO
JOINT POWERS AUTHORITY
MINUTES
SPECIAL MEETING OF FEBRUARY 11, 2015
RECYCLED WATER SEASONAL STORAGE ACTION PLAN: WORKSHOP NO. 2**

4:00 PM

February 11, 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 **4:00 p.m.** by Chairman Wall in the Board Room at Las Virgenes Municipal Water District at 4232 Las Virgenes Road, Calabasas. David Pedersen, General Manager conducted the roll call.

Present: Director(s): Caspary, Lewitt, Polan, Renger, Board Chairman Peterson, McReynolds, Paule, and Wall

Absent: Director(s): Iceland and Orkney

Representatives from the following organizations attended:

Heal the Bay, Los Angeles Department of Water and Power, Montgomery Watson Harza, Las Virgenes Municipal Water District, LA Waterkeeper, City of Calabasas, Cal State Parks, Triunfo Sanitation District, City of Thousand Oaks, Calleguas Municipal Water District, Mountains Restoration Trust, Santa Monica Mountains Conservancy, and Resource Conservation District

2. APPROVAL OF AGENDA**A** Approval of agenda

The agenda was approved by unanimous consent.

3. PUBLIC COMMENTS

There were no public comments.

4. RECYCLED WATER SEASONAL STORAGE ACTION PLAN: WORKSHOP

Administering Agent/General Manager Pedersen made brief remarks relative to the previous workshop.

and thanked the participants for their feedback and participation.

Dr. Steve Weber welcomed the participants and provided a brief recap of the previous workshop.

Administering Agent/General Manager Pedersen presented on the Malibu Creek Watershed and water quality. Additionally, a technical presentation on seasonal storage was provided by James Borchardt of MWH. Following the presentations, Dr. Weber and Bob Armstrong of MWH facilitated a process to prioritize the various items developed in the PESTLE exercise conducted on January 29, 2015.

5. **ADJOURNMENT**

Seeing no further business to come before the Board, the meeting was duly adjourned at **7:45 p.m.**

James Wall, Chair

ATTEST:

Glen Pedersen, Vice Chair

March 2, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Lost Hills Interchange 10-inch Recycled Water Main Relocation Project: Construction Award (Pg. 15)**SUMMARY:**

On October 6, 2014, the JPA Board authorized the Administering Agent/General Manager to accept the lowest responsive construction bid identified by the City of Calabasas for the relocation of the JPA's 10-inch recycled water main as a part of the City's Lost Hills Interchange Improvement Project, provided that the bid items for the water main relocation do not exceed the Engineer's Estimate for that portion of the work plus 10%. The City will open bids for the project on Friday, February 27, 2015.

Staff will attend the bid opening and participate in the evaluation of the bids received. A verbal presentation of the bid results will be provided to the JPA Board at the meeting. If the lowest responsive bid exceeds the Engineer's Estimate plus 10%, or \$432,354, staff will provide the Board with a recommendation to proceed. Otherwise, the Administering Agent/General Manager will proceed based on delegated authority, and this item will be for informational purposes.

RECOMMENDATION(S):

Consider a summary of bids received by the City of Calabasas for the Lost Hills Interchange Improvement Project; and, if the bid amount for 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.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The adopted JPA Fiscal Year 2014-15 Budget provides funding in the amount of \$765,101.00 for the project. No additional appropriation is needed at this time.

DISCUSSION:

The 10-inch recycled water main serves the area north of 101 Freeway including the Calabasas Landfill, the recycled water system's second largest user. The demand averages 140 acre-feet per year, generating \$52,320.80 in wholesale revenue to JPA. The wholesale revenue is shared between the JPA partners with 70.6% to LVMWD and 29.4% to Triunfo Sanitation District.

The City's Construction Manager for the Lost Hills Interchange Project, Parsons Corporation, also provided the JPA with a construction management proposal, in the amount of \$14,515.38, for the 10-inch Recycled Water Main Relocation Project. Staff proposes to accept the proposal, and the amount is within the approval authority of Administering Agent/General Manager. Staff will provide inspection services using in-house resources.

Prepared By: Lindsay Cao, P.E. Associate Engineer

March 2, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Construction of Centrate Equalization Tank and Rehabilitation of Centrate Pipeline: Award of Design (Pg. 16)

SUMMARY:

On November 3, 2014, the JPA Board authorized a request for proposals (RFP) for the design of a centrate equalization tank and rehabilitation of an existing centrate pipeline. This project consists of the construction of a new centrate equalization tank and rehabilitation of an existing pipeline previously used to convey centrate from the dewatering facility at Rancho to the centrate treatment system. The scope of work for the RFP included preliminary design, environmental review, final design, and construction management for the new centrate equalization tank; and research and planning related to rehabilitation of the existing centrate pipeline.

Proposals were received from three firms: (1) Canon, (2) HDR, and (3) Pacific Advanced Civil Engineering, Inc. (PACE). District staff evaluated the proposals and recommends selection of PACE to design the project. PACE's proposal met the requirements of the RFP and provides the services at about half the cost of the other proposals. PACE is currently working well with the JPA on the Reservoir No. 2 Improvements Project.

RECOMMENDATION(S):

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.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The adopted Fiscal Year 2014-15 JPA Budget provides funding in the amount of \$1,065,390 for the two projects: (1) \$890,000 for CIP Job No. 10564, Centrate Equalization Tank, and (2) \$175,390 for CIP Job No. 10560, Rehabilitation of Existing Centrate Line. Project costs are allocated 70.6% to LVMWD and 29.4% to Triunfo Sanitation District.

DISCUSSION:

Two of the capital improvement projects included in the adopted Fiscal Year 2014-15 JPA Budget involve the centrate treatment system at the Rancho Las Virgenes Composting Facility: (1) construction of a new centrate equalization tank, and (2) rehabilitation of an existing pipeline previously used to convey centrate from the dewatering facility to the treatment system. The two projects, which are proposed to be designed together, are intended to improve the reliability of the centrate treatment system and provide redundancy needed to allow for future maintenance of the facilities.

Currently, centrate from the dewatering facility is stored in one of two existing centrate treatment tanks, which are approximately 700,000 gallons each, while treatment occurs in the other tank. As a result, both tanks are needed to provide centrate treatment, and neither can be taken off-line for maintenance. The lack of redundancy was recently highlighted due to a project for installation of new cathodic protection

systems for the two tanks. The project had to be postponed due to the need to keep the tanks in service to provide sufficient nitrogen removal to meet permit limits for the Tapia Water Reclamation Facility. The construction of a new centrate equalization tank will enable one of the tanks to be taken out of service in the future for maintenance and/or repairs.

The pipeline proposed for rehabilitation will be used as a redundant conveyance for centrate from the dewatering facility to the treatment system. The 8-inch diameter ductile iron pipeline was originally constructed in 1979 to transport sludge for subsurface injection at the farm. When the composting facility was constructed, the pipeline was extended to the dewatering building and eventually used to convey centrate to the "farm tanks" (now called the centrate treatment tanks) for equalization and treatment. The pipeline became partially occluded over time with calcium carbonate deposits on the inside walls, making it difficult to pump the centrate. In 2011, a new 8-inch HDPE centrate line was installed to convey the centrate to the treatment system. The scope of this project includes providing a recommended mechanical or chemical cleaning plan to remove the buildup of calcium carbonate and enable use of the pipeline as a redundant centrate line.

The RFP solicited consultants to submit proposals for preliminary design, environmental review, final design, and construction management for a new centrate equalization tank and for research and planning related to rehabilitation of the existing centrate pipeline. The RFP was sent to six consulting firms (AECOM, Canon, Carollo, HDR, Kennedy/Jenks and PACE); proposals were received from three firms (Canon, HDR and PACE). Staff reviewed the three proposals and determined all to be responsive. The proposal from PACE is recommended because it meets the requirements of the RFP at the lowest cost. PACE's proposal was \$117,519, HDR's was \$199,500 and Canon's was \$215,034. PACE is currently working well with the JPA on the Reservoir No. 2 Improvements Project and previously completed the Tapia Water Reclamation Facility Grit Conveyor Project.

Prepared By: Brett Dingman, Water Reclamation Manager

March 2, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Tapia Water Reclamation Facility Channel Mixing Improvements: Construction Award (Pg. 18)**SUMMARY:**

On January 5, 2015, the JPA Board authorized a Call for Bids for the Tapia Channel Mixing Improvements Project. Five bids were submitted and publicly opened on January 21, 2015. After waiving one minor irregularity, the lowest responsive bid was submitted by GSE Construction Company for \$896,560, which is approximately 3% above the Engineer's Estimate of \$869,000.

The contractor's bid amount includes \$124,160 for optional coating of the channels. Staff proposes to evaluate the condition of the channels during construction to determine if the coating is required. If the coating is not required, all or a portion of the \$124,160 will be deducted from the contract amount to reflect actual work performed.

RECOMMENDATION(S):

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.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The adopted Fiscal Year 2014-2015 JPA Budget provided partial funding for CIP Job No. 10538, but an additional appropriation in the amount of \$651,037 is required to complete the project. The additional appropriation includes funding for the construction contract, staff time and overhead, District purchases of equipment required for the project, and support during construction.

Following is a summary of the estimated expenditures:

<u>Estimated Expenditures</u>	<u>Amount</u>
Construction Contract	\$ 896,560
Construction Change Order Contingency (10%)	\$ 89,656
District Labor including G&A	\$ 20,000
District Parts	\$ 50,000
Construction Support (MNS)	\$ 12,256
FY14-15 Budget Appropriation	<u>\$ (417,435)</u>
Additional Appropriation Requested	\$ 651,037

ITEM 5C

DISCUSSION:**Background:**

The project consists of replacing the existing channel air mixing system, which has reached the end of its useful life. The work involves replacing the air piping, droplegs and diffusers in five channels: the grit chamber effluent, primary clarifier feed, activated sludge basin feed, mixed liquor suspended solids, and return activated sludge channels. The channel air mixing system is necessary to keep solids in suspension as wastewater flows from one process tank to another. Without adequate mixing, solids will settle in the channels, reducing the useful volume of the channel and forming solids blankets that can result in severe odor problems.

Bid Irregularity:

The bid submitted by GSE Construction Company included a minor irregularity in that its mobilization/demobilization expenses were 5.7% of the base bid amount, which is slightly higher than the 5% maximum specified in the Call for Bids. Staff recommends that this irregularity be waived considering the small difference in the figures.

Bid Summary:

<u>Contractor</u>	<u>Bid</u>
GSE Construction Company, Inc.	\$ 896,560
Cushman Contracting Corp.	\$ 1,171,285
Spiess Construction Company	\$ 1,223,308
MMC, Inc.	\$ 1,316,821
Environmental Construction, Inc.	\$ 1,348,726

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

March 2, 2015 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Infrastructure Investment Plan: Fiscal Years 2015-2016 through 2019-2020 (Pg. 20)**SUMMARY:**

The Infrastructure Investment Plan (IIP) is a planning document used to identify, prioritize and establish preliminary budgets for facility improvement and replacement projects over a five-year planning period. The IIP incorporates proposed projects from a number of sources including the recently completed Sanitation and Recycled Water Master Plan Updates, implementation of recommendations in specific facility studies, regulatory requirements and facilities condition assessments.

The IIP anticipates a total of \$21,704,063 in capital improvement projects over the five-year period, consisting of \$17,602,063 for the Sanitation Enterprise and \$4,102,000 for the Recycled Water Enterprise. Based on the terms of the JPA Agreement, LVMWD's share of the total cost would be \$15,123,055 and Triunfo Sanitation District's share would be \$6,581,008.

RECOMMENDATION(S):

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

FISCAL IMPACT:

No

ITEM BUDGETED:

No

FINANCIAL IMPACT:

The IIP is a planning document and does not appropriate funds to any projects. The proposed projects for Fiscal Year 2015-2016 will be included in the proposed Fiscal Year 2015-2016 JPA Budget. Appropriations for individual projects will be approved with the budget or an individual basis through separate Board actions.

DISCUSSION:

The IIP covers a planning period of five-years and uses the recently completed Sanitation and Recycled Water Master Plan Updates, specific facility plans, known regulatory requirements and condition assessments to identify proposed capital projects and programs. Much of the focus for this IIP is on replacement and rehabilitation of aging facilities serving the sanitation and recycled water systems.

In addition to individual projects, there is a general reliability improvement program proposed for the Tapia Water Reclamation Facility and Rancho Las Virgenes Composting Facility. These projects will provide funding for equipment and facility rehabilitation or replacement based on failure, exceedance of useful life or obsolescence. Specific projects will be identified each fiscal year.

For the recycled water system, a miscellaneous recycled water extension program is proposed to fund small recycled water system extensions projects to convert potable water irrigation systems to recycled water.

Following is a summary of major projects included in the IIP:

Tapia Water Reclamation Facility:

ITEM 5D

- Continuation of rehabilitation of the primary sedimentation tanks.
- Improvement of the channel air mixing system.
- Construction of a centrate equalization tank.
- Process air improvements including a new process air compressor and aeration system.
- Improvements to the biological nutrient removal (BNR) process.

Rancho Las Virgenes Composting Facility:

- Cleaning and rehabilitation of the Digester Nos. 1 and 2.
- Replacement of the agitators.
- Design and construction of fats, oils and grease (FOG) receiving facilities.

Recycled Water System:

- Relocation of the recycled water main in the Lost Hills overpass.
- Performance of studies identified in the Seasonal Storage Plan of Action.
- Design and construction of the Woodland Hills Golf Course extension.

At the JPA Board meeting, staff will provide a presentation on the various proposed projects.

Prepared By: Douglas Anders, Administrative Services Coordinator

ATTACHMENTS:

[JPA Infrastructure Investment Plan: Fiscal Years 2015-16 through 2019-20](#)

LVMWD REPORT # _____

4232 LAS VIRGENES ROAD
CALABASAS, CALIFORNIA 91302-1994
TELEPHONE: (818)251-2100
LOS ANGELES COUNTY, CALIFORNIA

**LAS VIRGENES – TRIUNFO JOINT POWERS AUTHORITY
INFRASTRUCTURE INVESTMENT PLAN (IIP)**

FISCAL YEAR 2015/16 – FISCAL YEAR 2019/20

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Summary Information ----- Section 1
 Overview
 Infrastructure Investment Costs
 Infrastructure Investment Cost Sharing
 Expenditures by Priority
 Expenditures by Location

Detail Reports ----- Section 2
 Projects by Priority
 Projects by Location

Detail Project Worksheets ----- Section 3

Appendices ----- Section 4
 Planning Guidelines for Project Cost
 Priority and Justification Criteria
 Roles and Responsibilities for Project Managers

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Section 1

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Las Virgenes - Triunfo Joint Powers Authority
Infrastructure Investment Plan
For the Period of FY 2015/16 - FY 2019/20

Overview

The Capital Improvement Plan or Infrastructure Investment Plan (Plan) is a planning document used to identify, prioritize and establish baseline expenditures for facility improvements or replacement projects which ensure the Las Virgenes - Triunfo Joint Powers Authority can consistently meet the needs of the public, both for now and into the future.

This Plan covers a five (5) year planning horizon and includes the results of the Sanitation and Recycled Water Master planning documents completed during fiscal year 2013-2014.

The information provided in this Plan is intended to inform the reader of current and proposed capital improvement projects, their status and potential costs. Reports are included that sort projects and costs by priority and by location. Detailed project descriptions, sorted in numerical order, are found in Section 3.

The Infrastructure Investment Plan has been prepared and reviewed by staff to identify the candidate projects for future funding consideration and accomplishment. The Plan incorporates facility needs identified by a number of sources. These include: integration of new facility improvements identified in master planning documents; implementation of actions recommended in major studies; the facilities or programs necessary to meet regulatory compliance requirements; and, maintenance, repair, or replacement of component systems to continue normal operations.

The Plan places the prospective projects into various program years to organize them over the five-year period. Because of the complexity of facility planning, either deferral or speeding up of projects may occur. These changes are dealt with in the Annual Budget and are amended in the next year's Plan. Receipt of the Infrastructure Investment Plan by the JPA Board of Directors is recognized as one of the key planning steps necessary to formulate an overall Financial Plan and Budget for the JPA.

Assumptions

Significant drivers influencing the development of the Infrastructure Investment Plan ("Plan") include: 1) regulatory and policy issues effecting JPA operations; 2) master plan recommended facility replacement and repair; and 3) internally developed programs to improve service delivery and efficiency. Some examples include:

- The Recycled Water and Sanitation System Master Plans were completed in fiscal year 2013-2014. Projects included in this Plan and out-year projects will be evaluated relative to the findings in the new master plan documents.
- Projects related to proposed regulatory standards for Malibu Creek and their impact to the Tapia Water Reclamation Facility ("Tapia") are not forecast in this plan, but will be included in future updates based on the standards adopted and the associated implementation schedules.
- Development of a Recycled Water Storage Study (JPA project 10587) will further clarify options for recycled water storage identified in previous studies.

Summary

This year's Plan follows the previous trend on placing emphasis on "replacement-funded" projects for Recycled Water and Sanitation facilities. The proposed expenditures reflect the replacement of maturing district infrastructure and the need to replace, upgrade or refurbish existing systems to continue to provide high quality, reliable service. Exceptions to this trend are the pro-rata portions of projects that are attributed to new development or new users that include associated connection fee funding.

Major projects and programs outlined in this Plan are summarized below.

Recycled Water System

- Lost Hills overpass recycled water main relocation (10540).
- Recycled water storage study (10587).
- Woodland Hills Golf Course recycled water pipeline (10588).
- Cover/shading for recycled water reservoir number 2 (99970).
- Identify potential conversions from potable water irrigation to recycled water (99979).

Tapia Water Reclamation Facility

- Concrete repair and installation of protective coating in primary tanks (10512).
- Replace existing sluice gates in tanks as well as drive mechanisms for flights and chains (10513).
- Raw sludge wet well mixing (10537).
- Replace the channel mixing air system with new air piping and diffusers (10538).
- Construct a centrate equalization tank at the centrate treatment facility (10564).
- Replace process air blowers and diffusers at Tapia (99910).
- Install permanent piping for conveyance of primary effluent to re-aeration basins (99928)
- Construct a centrate equalization tank at the centrate treatment facility (99932).
- Perform electrical and instrumentation upgrades (99950).
- Tapia water reclamation facility (WRF) reliability improvements (99973).

Rancho Las Virgenes

- Clean out and evaluate the condition of digesters #1 and #2 (10565).
- Overhaul amendment bin (10574).
- Repair and replace facilities and equipment (99977).

Sewers and Lift Stations

- Repair and rehabilitate priority 1 and 2 manholes (10559).

Administrative Programs

- SCADA System Communication upgrades (10520).

Las Virgenes - Triunfo Joint Powers Authority

Infrastructure Investment Plan
Fiscal Year 2015-16-- Fiscal Year 2019-20

Expenditures by Fund

	FY16	FY17	FY18	FY19	FY 20	5-Year Total
Sanitation Construction	\$50,000	\$388,240	\$357,160	\$139,200	\$0	\$934,600
Sanitation Replacement	\$3,601,128	\$5,326,245	\$4,322,090	\$2,133,400	\$1,284,600	\$16,667,463
RW Conservation	\$181,000	\$181,000	\$106,000	\$256,000	\$1,756,000	\$2,480,000
RW Replacement	\$1,490,250	\$131,750	\$0	\$0	\$0	\$1,622,000
Total Costs	\$5,322,378	\$6,027,235	\$4,785,250	\$2,528,600	\$3,040,600	\$21,704,063

Las Virgenes - Triunfo Joint Powers Authority

Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

	FY16	FY17	FY18	FY19	FY20	5-Year Total
Sanitation Construction	\$35,300	\$274,097	\$252,155	\$98,275	\$0	\$659,828
Sanitation Replacement	\$2,462,486	\$3,698,414	\$2,989,176	\$1,506,180	\$906,928	\$11,563,184
RW Conservation	\$127,786	\$127,786	\$74,836	\$180,736	\$1,239,736	\$1,750,880
RW Replacement	\$1,056,149	\$93,016	\$0	\$0	\$0	\$1,149,164
LVMWD Share	\$3,681,721	\$4,193,313	\$3,316,167	\$1,785,192	\$2,146,664	\$15,123,055
	FY16	FY17	FY18	FY19	FY20	5-Year Total
Sanitation Construction	\$14,700	\$114,143	\$105,005	\$40,925	\$0	\$274,772
Sanitation Replacement	\$1,138,642	\$1,627,831	\$1,332,914	\$627,220	\$377,672	\$5,104,279
RW Conservation	\$53,214	\$53,214	\$31,164	\$75,264	\$516,264	\$729,120
RW Replacement	\$434,102	\$38,735	\$0	\$0	\$0	\$472,836
TSD Share	\$1,640,657	\$1,833,922	\$1,469,084	\$743,408	\$893,936	\$6,581,008
TOTAL COSTS	\$5,322,378	\$6,027,235	\$4,785,250	\$2,528,600	\$3,040,600	\$21,704,063

ITEM 5D

Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

Expenditures by Location

	FY16	FY17	FY18	FY19	FY20	Five-year total
ADMINISTRATIVE	\$56,137	\$38,285				\$94,422
PROGRAMS	\$28,500	\$17,500				\$46,000
RANCHO/FARM	\$687,500	\$1,162,300	\$635,000	\$1,396,000	\$600,000	\$4,480,800
RECYCLED WATER	\$1,409,000	\$356,000	\$106,000	\$256,000	\$1,756,000	\$3,883,000
SEWER/LIFT STATIONS	\$262,000	\$203,000	\$204,000			\$669,000
TAPIA	\$2,879,241	\$4,250,150	\$3,840,250	\$876,600	\$684,600	\$12,530,841
TOTAL ALL PROJECTS	\$5,322,378	\$6,027,235	\$4,785,250	\$2,528,600	\$3,040,600	\$21,704,063

Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

Expenditures by Priority

	FY16	FY17	FY18	FY19	FY20	Five-year total
Priority 1	\$766,500	\$672,500				\$1,439,000
Priority 2	\$3,945,128	\$2,176,885	\$2,389,450	\$1,240,600	\$640,600	\$10,392,663
Priority 3	\$610,750	\$3,177,850	\$2,395,800	\$1,288,000	\$2,400,000	\$9,872,400
TOTAL ALL PROJECTS	\$5,322,378	\$6,027,235	\$4,785,250	\$2,528,600	\$3,040,600	\$21,704,063

Priority 1: Essential project. Required by law or regulation; by disaster response; or by emergency or hazardous situation.

Priority 2: Necessary project. Required to maintain service reliability; safety; cost related efficiency or matching funds; water quality; current demand.

Priority 3: Desirable or Routine Project. Routine improvement; no direct cost benefit; cosmetic; or future demand.

Section 2

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Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

Projects by Priority

Priority	Project Number	Title	FY16	FY17	FY18	FY19	FY20	Five-year total
1	10565	Rancho Las Virgenes Digester	287,500	262,500				550,000
1	99928	Tapia Primary Flow Diversion	44,000	410,000				454,000
1	99970	RW Reservoir #2 Cover (Shade	435,000					435,000
		SUB-TOTAL PRIORITY 1	\$766,500	\$672,500				\$1,439,000
2	10512	Tapia: Primary Tank Rehabilitation	63,000	263,000	263,000	263,000	263,000	1,115,000
2	10513	Tapia Sluice Gate and Drive	14,000	411,600	171,600	171,600	171,600	940,400
2	10520	SCADA System Communication	56,137	38,285				94,422
2	10537	Raw Sludge Wet Well Mixing	127,000					127,000
2	10538	Tapia Channel Mixing Improvements	1,068,472					1,068,472
2	10540	Lost Hills Overpass Recycled Water	573,000					573,000
2	10559	Manhole Rehabilitation, F2/F3 Line	262,000	203,000	204,000			669,000
2	10561	NPDES Permit Renewal	50,000					50,000
2	10563	Tapia Supplemental Carbon Study	85,000	282,500				367,500
2	10564	Centrate Equalization Tank	1,190,519					1,190,519
2	10567	Programmable Logic Controller		322,500	302,850			625,350
2	10587	Recycled Water Storage Study - PH-	250,000	250,000				500,000
2	10588	Woodland Hills Golf Course RW	1,405,000	5,775,000	5,195,000			12,375,000
2	99926	Rancho Las Virgenes Sludge				600,000		600,000
2	99933	Tapia BNR Improvements		200,000	1,242,000			1,442,000
2	99977	Rancho Reliability Improvements	100,000	100,000	100,000	100,000	100,000	500,000
2	99979	Miscellaneous RW Extension	106,000	106,000	106,000	106,000	106,000	530,000
2	99996	OFFSET OF IIP #10588	-1,405,000	-5,775,000	-5,195,000			-12,375,000
		SUB-TOTAL PRIORITY 2	\$3,945,128	\$2,176,885	\$2,389,450	\$1,240,600	\$640,600	\$10,392,663
3	10418	Rehabilitation of 18" RW Pipe	45,000					45,000
3	10446	Buffer Land at Rancho		250,000				250,000
3	10493	Tapia Sludge Screening				126,000		126,000
3	10574	Rancho Facility Improvements	300,000					300,000
3	10579	Security Upgrades - JPA	28,500	17,500				46,000
3	80748	Rancho: Replace Agitators		510,000	510,000			1,020,000
3	99910	Process Air Improvements		1,691,200	1,760,800			3,452,000
3	99911	Rancho Las Virgenes: FOG Receiving			25,000	696,000		721,000
3	99930	Rancho Las Virgenes Aerated Static		39,800				39,800
3	99950	Tapia Electrical and Instrumentation	137,250	131,750				269,000
3	99967	Tapia Automated Filter Wash down				116,000		116,000

Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

Projects by Priority

Priority	Project Number	Title	FY16	FY17	FY18	FY19	FY20	Five-year total
3	99971	Tapia Water Reclamation Facility		437,600				437,600
3	99972	Primary Effluent Equalization Study					50,000	50,000
3	99973	Tapia Water Reclamation Facility	100,000	100,000	100,000	100,000	100,000	500,000
3	99974	Sanitation Master Plan Update					100,000	100,000
3	99975	A/B Bus Electrical Modification				100,000		100,000
3	99978	Ovation Upgrade					500,000	500,000
3	99980	Recycled Water Master Plan Update					100,000	100,000
3	99981	Agoura Road Extension Phase II				150,000	1,550,000	1,700,000
SUB-TOTAL PRIORITY 3			\$610,750	\$3,177,850	\$2,395,800	\$1,288,000	\$2,400,000	\$9,872,400
TOTAL ALL PROJECTS			\$5,322,378	\$6,027,235	\$4,785,250	\$2,528,600	\$3,040,600	\$21,704,063

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Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

Projects by Location

Project Number	Title	FY16	FY17	FY18	FY19	FY20	Five-year total
ADMINISTRATIVE							
10520	SCADA System Communication	56,137	38,285				94,422
	SUB-TOTAL ADMINISTRATIVE	\$56,137	\$38,285				\$94,422
PROGRAMS							
10579	Security Upgrades - JPA	28,500	17,500				46,000
	SUB-TOTAL PROGRAMS	\$28,500	\$17,500				\$46,000
RANCHO/FARM							
10446	Buffer Land at Rancho	0	250,000				250,000
10565	Rancho Las Virgenes Digester Cleaning	287,500	262,500				550,000
10574	Rancho Facility Improvements	300,000					300,000
80748	Rancho: Replace Agitators		510,000	510,000			1,020,000
99911	Rancho Las Virgenes: FOG Receiving			25,000	696,000		721,000
99926	Rancho Las Virgenes Sludge Thickening				600,000		600,000
99930	Rancho Las Virgenes Aerated Static Pile		39,800				39,800
99977	Rancho Reliability Improvements	100,000	100,000	100,000	100,000	100,000	500,000
99978	Ovation Upgrade					500,000	500,000
	SUB-TOTAL RANCHO/FARM	\$687,500	\$1,162,300	\$635,000	\$1,396,000	\$600,000	\$4,480,800
RECYCLED WATER							
10418	Rehabilitation of 18" RW Pipe	45,000					45,000
10540	Lost Hills Overpass Recycled Water	573,000	0				573,000
10587	Recycled Water Storage Study - PH-II	250,000	250,000				500,000
10588	Woodland Hills Golf Course RW Pipeline	1,405,000	5,775,000	5,195,000			12,375,000
99970	RW Reservoir #2 Cover (Shade Balls)	435,000					435,000
99979	Miscellaneous RW Extension	106,000	106,000	106,000	106,000	106,000	530,000
99980	Recycled Water Master Plan Update					100,000	100,000
99981	Agoura Road Extension Phase II				150,000	1,550,000	1,700,000
99996	OFFSET OF IIP #10588	-1,405,000	-5,775,000	-5,195,000			-12,375,000
	SUB-TOTAL RECYCLED WATER	\$1,409,000	\$356,000	\$106,000	\$256,000	\$1,756,000	\$3,883,000
SEWER/LIFT STATIONS							
10559	Manhole Rehabilitation, F2/F3 Line	262,000	203,000	204,000			669,000
	SUB-TOTAL SEWER/LIFT STATIONS	\$262,000	\$203,000	\$204,000			\$669,000

ITEM 5D

Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

Projects by Location

Project Number	Title	FY16	FY17	FY18	FY19	FY20	Five-year total
TAPIA							
10493	Tapia Sludge Screening				126,000		126,000
10512	Tapia: Primary Tank Rehabilitation	63,000	263,000	263,000	263,000	263,000	1,115,000
10513	Tapia Sluice Gate and Drive	14,000	411,600	171,600	171,600	171,600	940,400
10537	Raw Sludge Wet Well Mixing	127,000					127,000
10538	Tapia Channel Mixing Improvements	1,068,472					1,068,472
10561	NPDES Permit Renewal	50,000	0	0			50,000
10563	Tapia Supplemental Carbon Study	85,000	282,500				367,500
10564	Centrate Equalization Tank	1,190,519					1,190,519
10567	Programmable Logic Controller		322,500	302,850			625,350
99910	Process Air Improvements		1,691,200	1,760,800			3,452,000
99928	Tapia Primary Flow Diversion	44,000	410,000				454,000
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99950	Tapia Electrical and Instrumentation	137,250	131,750				269,000
99967	Tapia Automated Filter Wash down				116,000		116,000
99971	Tapia Water Reclamation Facility		437,600				437,600
99972	Primary Effluent Equalization Study					50,000	50,000
99973	Tapia Water Reclamation Facility	100,000	100,000	100,000	100,000	100,000	500,000
99974	Sanitation Master Plan Update					100,000	100,000
99975	A/B Bus Electrical Modification				100,000		100,000
SUB-TOTAL TAPIA		\$2,879,241	\$4,250,150	\$3,840,250	\$876,600	\$684,600	\$12,530,841
TOTAL ALL PROJECTS		\$5,322,378	\$6,027,235	\$4,785,250	\$2,528,600	\$3,040,600	\$21,704,063

ITEM 5D

Las Virgenes - Triunfo Joint Powers Authority

Infrastructure Investment Plan
Fiscal Year 2015-16-- Fiscal Year 2019-20

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Las Virgenes - Triunfo Joint Powers Authority

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Fiscal Year 2015/16 - Fiscal Year 2019/20

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Infrastructure Investment Plan
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	FY16	FY17	FY18	FY19	FY20	Five-year total
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RANCHO/FARM	\$687,500	\$1,162,300	\$635,000	\$1,396,000	\$600,000	\$4,480,800
RECYCLED WATER	\$1,409,000	\$356,000	\$106,000	\$256,000	\$1,756,000	\$3,883,000
SEWER/LIFT STATIONS	\$262,000	\$203,000	\$204,000			\$669,000
TAPIA	\$2,879,241	\$4,250,150	\$3,840,250	\$876,600	\$684,600	\$12,530,841
TOTAL ALL PROJECTS	\$5,322,378	\$6,027,235	\$4,785,250	\$2,528,600	\$3,040,600	\$21,704,063

Infrastructure Investment Plan
Fiscal Year 2015/16 - Fiscal Year 2019/20

Expenditures by Priority

	FY16	FY17	FY18	FY19	FY20	Five-year total
Priority 1	\$766,500	\$672,500				\$1,439,000
Priority 2	\$3,945,128	\$2,176,885	\$2,389,450	\$1,240,600	\$640,600	\$10,392,663
Priority 3	\$610,750	\$3,177,850	\$2,395,800	\$1,288,000	\$2,400,000	\$9,872,400
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Priority 1: Essential project. Required by law or regulation; by disaster response; or by emergency or hazardous situation.

Priority 2: Necessary project. Required to maintain service reliability; safety; cost related efficiency or matching funds; water quality; current demand.

Priority 3: Desirable or Routine Project. Routine improvement; no direct cost benefit; cosmetic; or future demand.

Section 3

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Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)

Job Number: 10418 Project Manager: Cao FY Originated: FY03-04	Priority: 3 Category: Facility Improvements Program: No
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Scope of Work

This project consists of the second phase (Phase II) of a two-phase effort to rehabilitate and control corrosion for the 18-inch recycled water main between the Tapia and Mulholland Highway. Phase II includes field testing/evaluation and installation of new jumper bonds for restoration of electrical continuity. The cost estimate is based on HDR's report "Rehabilitation of 18-inch REW Pipeline Phase II Project"

Project Justification

The 18-inch RW pipe between Tapia and Mulholland Highway has experienced several significant failures due to corrosion. The 18-inch pipe needs to be maintained, because it is needed, along with the proposed 24-inch pipe as a redundant system to handle the current flow rate of 9.3 MGD, with the capability to handle future increased flows.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees		\$1,548	\$20,450		\$66,000	\$87,998		
Contracts/Equipment			\$160,898	\$7,769		\$168,667		
District Labor			\$27,523	\$6,219	\$6,600	\$40,343		
G & A Allocations			\$43,081	\$11,199	\$6,600	\$60,880		
TOTALS		\$1,548	\$251,953	\$25,187	\$79,200	\$357,888	\$443,231	\$85,343

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$10,000					\$10,000	
Land Acquisition	\$0					\$0	
Design	\$10,000					\$10,000	
Bidding	\$0					\$0	
Construction	\$20,000					\$20,000	
District Labor	\$5,000					\$5,000	
TOTALS	\$45,000					\$45,000	\$402,888

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Based on HDR report "Rehabilitation of 18-inch REW Pipeline Phase II Project".

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
0.0%	0.0%			71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
0.0%	0.0%	100.0%		29%

Buffer Land at Rancho

<p>Job Number: 10446 Project Manager: Zhao FY Originated: FY07-08</p>	<p>Priority: 3 Category: Facility Improvements Program: No</p>
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Scope of Work

Potential land acquisition of additional buffer land around Rancho.

Project Justification

Prevents encroachment on Rancho operations that would constrain Rancho operations.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS							\$250,000	\$250,000

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$0	\$0				\$0	
Land Acquisition	\$0	\$250,000				\$250,000	
Design	\$0	\$0				\$0	
Bidding	\$0	\$0				\$0	
Construction	\$0	\$0				\$0	
District Labor	\$0	\$0				\$0	
TOTALS	\$0	\$250,000				\$250,000	\$250,000

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Placeholder estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
0.0%	0.0%	0.0%		71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
0.0%	100.0%	0.0%		29%

Tapia Sludge Screening

Job Number: 10493 Project Manager: Dingman FY Originated: 10-11	Priority: 3 Category: Business Improvements Program: No
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Scope of Work

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

Project Justification

Inert particles and hair clog the recirculation pumps and piping at Tapia and Rancho. These solids also cause operational issues. A screener can be incorporated into the process to remove the solids before they become a problem. The solids removed from the process will be landfilled.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS							\$385,000	\$385,000

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning				\$5,000		\$5,000	
Land Acquisition							
Design				\$10,000		\$10,000	
Bidding				\$1,000		\$1,000	
Construction				\$100,000		\$100,000	
District Labor				\$10,000		\$10,000	
TOTALS				\$126,000		\$126,000	\$126,000

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: 2014 Sanitation Master Plan

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Tapia: Primary Tank Rehabilitation

<p>Job Number: 10512 Project Manager: Maple FY Originated: FY10-11</p>	<p>Priority: 2 Category: Facility Improvements Program: No</p>
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Scope of Work

Concrete repair and the installation of a protective coating in the tanks. This project also includes the replacement of existing aluminum launders with stainless steel launders and new stainless steel inlet diffusers.

Design was completed in FY13-14. The same design basis will be used for all tanks over the multiyear project.

Project Justification

Tanks are 40 years old and the concrete is degrading. Launders are delaminating and need replacement.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees				\$57,150	\$10,649	\$67,799		
Contracts/Equipment				\$39,550	\$143,264	\$182,814		
District Labor				\$6,708	\$11,643	\$18,351		
G & A Allocations				\$12,152	\$13,588	\$25,740		
TOTALS				\$115,560	\$179,144	\$294,704	\$685,000	\$390,296

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design	\$50,000	\$10,000	\$10,000	\$10,000	\$10,000	\$90,000	
Bidding	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$15,000	
Construction		\$240,000	\$240,000	\$240,000	\$240,000	\$960,000	
District Labor	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000	
TOTALS	\$63,000	\$263,000	\$263,000	\$263,000	\$263,000	\$1,115,000	\$1,409,704

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Primary tank #1 was completed in FY 14-15 at a cost of approximately \$240,000. This amount is the basis for future costs.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
0.0%	0.0%	0.0%		71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
0.0%	100.0%	0.0%		29%

Tapia Sluice Gate and Drive Replacement

Job Number: 10513 Project Manager: Maple FY Originated: FY09-10	Priority: 2 Category: Facility Improvements Program: Yes
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Scope of Work

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

Project Justification

Many of the gates that separate channels and tanks are worn and do not work properly. The drives for the sludge collection system are over 30 years old. These items have reached their useful life and are in need of replacement.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment					\$10,000	\$10,000		
District Labor								
G & A Allocations								
TOTALS					\$10,000	\$10,000	\$342,000	\$332,000

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$0	\$0	\$0			\$0	
Land Acquisition	\$0	\$0	\$0			\$0	
Design	\$0	\$0	\$0			\$0	
Bidding	\$4,000	\$1,600	\$1,600	\$1,600	\$1,600	\$10,400	
Construction	\$0	\$400,000	\$160,000	\$160,000	\$160,000	\$880,000	
District Labor	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000	
TOTALS	\$14,000	\$411,600	\$171,600	\$171,600	\$171,600	\$940,400	\$950,400

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Assumes seventeen (17) gates being replaced at similar cost to previous work performed (adjusted for inflation).

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
0.0%	0.0%	0.0%		71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
0.0%	100.0%	0.0%		29%

SCADA System Communication Upgrades

Job Number: 10520 Project Manager: Schlageter FY Originated: FY12-13	Priority: 2 Category: Business Improvements Program: No
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Scope of Work

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 Justification

The existing system is now limited in speed, bandwidth and flexibility. The system is also past its peak communication bandwidth and expected life-span. Upgrading will dramatically increase the bandwidth of the system allowing the use of security cameras, voice over IP (VOIP) phone and certain types of smart sensors.

The upgrades will reduce dependency on telephone company equipment and will help reduce time spent coordinating repairs with outside vendors.

The project is anticipated to be re-bid once a revised bid package is developed.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees			\$6,239			\$6,239		
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS			\$6,239			\$6,239	\$93,100	\$86,861

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$0	\$0				\$0	
Land Acquisition	\$0	\$0				\$0	
Design	\$0	\$0				\$0	
Bidding	\$437	\$285				\$722	
Construction	\$50,700	\$33,000				\$83,700	
District Labor	\$5,000	\$5,000				\$10,000	
TOTALS	\$56,137	\$38,285				\$94,422	\$100,661

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Estimate is based on the initial bid results received and includes contingency for added sites.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Raw Sludge Wet Well Mixing Improvements

Job Number: 10537 Project Manager: Johnson FY Originated: FY12-13	Priority: 2 Category: Facility Improvements Program: No
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Scope of Work

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

Project Justification

The existing centrifugal mixing pump is not able to convey enough flow to properly mix the raw sludge in the wet wells which results in the settlement of heavier solids to the bottom of the tank. The collection of settled solids reduces tank capacity.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS							\$100,000	\$100,000

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design	\$25,000					\$25,000	
Bidding							
Construction	\$100,000					\$100,000	
District Labor	\$2,000					\$2,000	
TOTALS	\$127,000					\$127,000	\$127,000

APPROPRIATION REQUEST: \$27,000

Cost Estimate Basis: Staff Estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Tapia Channel Mixing Improvements

Job Number: 10538 Project Manager: Maple FY Originated: FY12-13	Priority: 2 Category: Facility Improvements Program: No
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Scope of Work

Replace the air piping and drop legs in the channels at Tapia. Construction cost estimates since development of 2015 IIP include an additional \$450K for construction (total \$850K) and \$100K for services during construction. Labor and G/A were also adjusted.

Project Justification

The channel mixing system at Tapia was identified by the Tapia Process Air Study as needing replacement. The existing system is worn and not mixing the channel efficiently.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees				\$31,932	\$7,583	\$39,515		
Contracts/Equipment					\$100,000	\$100,000		
District Labor				\$190	\$738	\$928		
G & A Allocations				\$327	\$0	\$327		
TOTALS				\$32,449	\$108,321	\$140,770	\$458,205	\$317,435

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design	\$12,256					\$12,256	
Bidding	\$0					\$0	
Construction	\$1,036,216					\$1,036,216	
District Labor	\$20,000					\$20,000	
TOTALS	\$1,068,472					\$1,068,472	\$1,209,242

APPROPRIATION REQUEST: \$751,037

Cost Estimate Basis: Estimate based on actual low bid received.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Lost Hills Overpass Recycled Water Main Relocation

<p>Job Number: 10540 Project Manager: Cao FY Originated: FY13-14</p>	<p>Priority: 2 Category: Facility Improvements Program: No</p>
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Scope of Work

Relocate the existing 10" recycled water pipeline in the Lost Hills overpass to the new overpass that will be under construction beginning May, 2015.

Project Justification

The existing line must be relocated due to the demolition of the existing Lost Hills overpass. The existing 10" line runs through the overpass.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees				\$38,412	\$46,636	\$85,048		
Contracts/Equipment								
District Labor				\$4,273	\$2,290	\$6,563		
G & A Allocations				\$6,558	\$3,285	\$9,843		
TOTALS				\$49,243	\$52,212	\$101,455	\$765,101	\$663,646

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$0	\$0				\$0	
Land Acquisition	\$0	\$0				\$0	
Design	\$0	\$0				\$0	
Bidding	\$3,000	\$0				\$3,000	
Construction	\$550,000	\$0				\$550,000	
District Labor	\$20,000	\$0				\$20,000	
TOTALS	\$573,000	\$0				\$573,000	\$674,455

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Engineering estimate from AECOM and Wildan under professional services agreement with District.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
0.0%				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
		100.0%		29%

Manhole Rehabilitation, F2/F3 Line

<p>Job Number: 10559 Project Manager: Schlageter FY Originated: FY01-02</p>	<p>Priority: 2 Category: Facility Improvements Program: No</p>
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Scope of Work

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 Justification

Project will maintain integrity of trunk sewer system.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment					\$29,500	\$29,500		
District Labor								
G & A Allocations								
TOTALS					\$29,500	\$29,500	\$15,000	-\$14,500

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning		\$0	\$0			\$0	
Land Acquisition	\$0	\$0	\$0			\$0	
Design	\$59,000	\$0	\$0			\$59,000	
Bidding	\$0	\$0	\$0			\$0	
Construction	\$193,000	\$193,000	\$194,000			\$580,000	
District Labor	\$10,000	\$10,000	\$10,000			\$30,000	
TOTALS	\$262,000	\$203,000	\$204,000			\$669,000	\$698,500

APPROPRIATION REQUEST: \$276,500

Cost Estimate Basis: The cost is an estimate only and will need to be revised pending results of the inspection to determine the current condition.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
0.0%	0.0%	0.0%		40%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
0.0%	100.0%	0.0%		60%

NPDES Permit Renewal

<p>Job Number: 10561 Project Manager: Dingman FY Originated: FY12-13</p>	<p>Priority: 2 Category: Regulatory Compliance Program: No</p>
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Scope of Work

This project provides funding for assistance from outside sources related to the National Pollution Discharge Elimination System (NPDES) Permit renewal for Tapia.

Project Justification

Experts from outside the Las Virgenes - Triunfo Joint Powers Authority (JPA) will be needed to help with the legal and environmental issues involved in NPDES permit renewal. the permit expires in August, 2015.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees					\$50,000	\$50,000		
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS					\$50,000	\$50,000	\$25,000	-\$25,000

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$50,000	\$0	\$0			\$50,000	
Land Acquisition	\$0	\$0	\$0			\$0	
Design	\$0	\$0	\$0			\$0	
Bidding	\$0	\$0	\$0			\$0	
Construction	\$0	\$0	\$0			\$0	
District Labor	\$0	\$0	\$0			\$0	
TOTALS	\$50,000	\$0	\$0			\$50,000	\$100,000

APPROPRIATION REQUEST: \$75,000

Cost Estimate Basis: Staff estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Tapia Supplemental Carbon Study

<p>Job Number: 10563 Project Manager: Dingman FY Originated: FY13-14</p>	<p>Priority: 2 Category: Regulatory Compliance Program: No</p>
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Scope of Work

Study available supplemental carbon sources to improve biological performance at Tapia. Construction of necessary facilities for carbon supplement will be installed in FY 17-18.

Project Justification

Tapia has low carbon (or food) in the influent to promote biological activity. The biological denitrification process is driven by high levels of carbon, so additional carbon sources need to be explored.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees Contracts/Equipment District Labor G & A Allocations								
TOTALS							\$85,000	\$85,000

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$80,000					\$80,000	
Land Acquisition							
Design		\$25,000				\$25,000	
Bidding		\$2,500				\$2,500	
Construction		\$250,000				\$250,000	
District Labor	\$5,000	\$5,000				\$10,000	
TOTALS	\$85,000	\$282,500				\$367,500	\$367,500

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Based on 2014 Sanitation Master Plan & Staff estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Centrate Equalization Tank

Job Number: 10564 Project Manager: Schlageter FY Originated: FY13-14	Priority: 2 Category: Regulatory Compliance Program: No
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Scope of Work

Construct a centrate equalization tank at the centrate treatment facility.

Provide mechanical and/or chemical cleaning of minerals from the existing centrate line.

No planning is needed due to the availability of existing documentation.

Rehabilitation of the centrate treatment line is possible because of the availability of the existing bypass treatment line.

Project Justification

Currently, there are two centrate treatment reactor tanks which are operated as batch reactors. When one tank needs to be taken out of service, the remaining tank cannot be used as a batch reactor because of centrate feed from Rancho. A new equalization tank would be used to store centrate generated at Rancho and feed it to the centrate reactors.

A large amount of mineral deposits have accumulated in the centrate line between the dewatering facility and the centrate treatment tanks.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees					\$55,000	\$55,000		
Contracts/Equipment								
District Labor								
G & A Allocations					\$5,000	\$5,000		
TOTALS					\$60,000	\$60,000	\$890,000	\$830,000

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$0					\$0	
Land Acquisition	\$0					\$0	
Design	\$62,519					\$62,519	
Bidding	\$3,000					\$3,000	
Construction	\$1,100,000					\$1,100,000	
District Labor	\$25,000					\$25,000	
TOTALS	\$1,190,519					\$1,190,519	\$1,250,519

APPROPRIATION REQUEST: \$360,519

Cost Estimate Basis: From 2014 Sanitation Master Plan.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Rancho Las Virgenes Digester Cleaning and Repair

Job Number: 10565 Project Manager: Schlageter FY Originated: FY13-14	Priority: 1 Category: Facility Improvements Program: No
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Scope of Work

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.

One digester will be rehabilitated in FY 15-16 and the other in FY 16-17.

Project Justification

The digesters have not been taken off line for cleaning in their 20 years of service. It is recommended that digesters are cleaned every 10 years. With the completion of the third digester project in 2014, there will be enough digester capacity for the existing digesters to be cleaned and repaired.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS							\$287,500	\$287,500

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$0	\$0				\$0	
Land Acquisition	\$0	\$0				\$0	
Design	\$25,000	\$0				\$25,000	
Bidding	\$2,500	\$2,500				\$5,000	
Construction	\$250,000	\$250,000				\$500,000	
District Labor	\$10,000	\$10,000				\$20,000	
TOTALS	\$287,500	\$262,500				\$550,000	\$550,000

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Staff estimate. Will be revised following a determination of the condition of the digesters after cleaning and recommended repairs, if necessary.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Programmable Logic Controller Upgrades

Job Number: 10567 Project Manager: Schlageter FY Originated: FY13-14	Priority: 2 Category: Facility Improvements Program: No
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Scope of Work

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 Justification

The PLC's at Tapia and centrate treatment have become obsolete and need to be replaced with new PLC's and ancillary equipment.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS							\$216,500	\$216,500

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning		\$0	\$0			\$0	
Land Acquisition		\$0	\$0			\$0	
Design		\$55,000	\$0			\$55,000	
Bidding		\$2,500	\$2,850			\$5,350	
Construction		\$250,000	\$285,000			\$535,000	
District Labor		\$15,000	\$15,000			\$30,000	
TOTALS		\$322,500	\$302,850			\$625,350	\$625,350

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Estimate based on MSO Proposal.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Rancho Facility Improvements

Job Number: 10574 Project Manager: Johnson FY Originated: FY14-15	Priority: 3 Category: Facility Improvements Program: No
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Scope of Work

Replace and repair significant components of the JPA's Rancho Las Virgenes Composting Facility.

- 1) Replacement Sump Pumps (4 @ \$8K/ea.) [FY 14/15]
- 2) Amendment Bin Overhaul (welding/coating) - \$300,000
- 3) Conveyor Screw Replacement (2) [FY 14/15]
- 4) Dewatering Compressor (1) [FY 14/15]
- 5) Agitator repairs: welding/coating (2) - \$40,000

Project Justification

Damaged and worn facilities require periodic maintenance and replacement to assure ongoing operations.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment					\$84,000	\$84,000		
District Labor								
G & A Allocations								
TOTALS					\$84,000	\$84,000	\$174,500	\$90,500

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design	\$50,000					\$50,000	
Bidding							
Construction	\$250,000					\$250,000	
District Labor							
TOTALS	\$300,000					\$300,000	\$384,000

APPROPRIATION REQUEST: \$209,500

Cost Estimate Basis: Staff Estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
		100.0%		29%

Security Upgrades - JPA

Job Number: 10579 Project Manager: Miller FY Originated: FY13-14	Priority: 3 Category: Business Improvements Program: Yes
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Scope of Work

Remote Access Control: \$20,000
 Security Cameras: \$15,000
 Lock and Key Control: \$5,000

Project Justification

Continually improve security and safety at JPA facilities through upgrades and improvements.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment					\$4,500	\$4,500		
District Labor								
G & A Allocations								
TOTALS					\$4,500	\$4,500	\$5,000	\$500

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$0	\$0				\$0	
Land Acquisition	\$0	\$0				\$0	
Design	\$1,000	\$0				\$1,000	
Bidding	\$0	\$0				\$0	
Construction	\$25,000	\$15,000				\$40,000	
District Labor	\$2,500	\$2,500				\$5,000	
TOTALS	\$28,500	\$17,500				\$46,000	\$50,500

APPROPRIATION REQUEST: \$28,000

Cost Estimate Basis: Staff estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Recycled Water Storage Study - PH-II

Job Number: 10587 Project Manager: Zhao FY Originated: FY14-15	Priority: 2 Category: Facility Improvements Program: No
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Scope of Work

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.

***THIS PROGRAM IS A CONTINUATION OF IIP - 10393 ***

Project Justification

In order to expand the utilization of recycled water within the JPA service area, additional storage capacity is needed and was identified in the 2006 TEA Study and 2007 Master Plan update.

A water recycling facilities planning grant of \$59,196 was received from the state.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees					\$75,000	\$75,000		
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS					\$75,000	\$75,000	\$309,836	\$234,836

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$250,000	\$250,000				\$500,000	
Land Acquisition							
Design							
Bidding							
Construction							
District Labor							
TOTALS	\$250,000	\$250,000				\$500,000	\$575,000

APPROPRIATION REQUEST: \$15,164

Cost Estimate Basis: Staff Estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction		RW Conservation	LVMWD
		20.0%	30.0%	71%
P/W Replacement	Sanitation Replacement		RW Replacement	TSD
		50.0%		29%

Woodland Hills Golf Course RW Pipeline Extension

Job Number: 10588 Project Manager: Schlageter FY Originated: FY14-15	Priority: 2 Category: Capacity/Supply Program: No
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Scope of Work

Installation of a 20 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 finalized once the PDR provides a construction cost estimate.

Project Justification

This project stems from the JPA's desire to provide surplus recycled water customers outside of the JPA service area.

The estimated maximum daily demand outside of the JPA service area 430 gpm.

Project identified in 2007 Master Plan and will be included in the 2013 Master Plan update. Currently in negotiation with the City of LA for an agreement for CEQA / PDR.

Continuation of IIP 10474

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS							\$376,362	\$376,362

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$850,000					\$850,000	
Land Acquisition							
Design	\$530,000	\$530,000				\$1,060,000	
Bidding		\$50,000				\$50,000	
Construction		\$5,145,000	\$5,145,000			\$10,290,000	
District Labor	\$25,000	\$50,000	\$50,000			\$125,000	
TOTALS	\$1,405,000	\$5,775,000	\$5,195,000			\$12,375,000	\$12,375,000

APPROPRIATION REQUEST: \$1,028,638

Cost Estimate Basis: Construction based on 20" alternative. Planning includes full EIR. Design, bidding, G&A follow planning guidelines.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation	100.0%	LVMWD 71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD 29%

Rancho: Replace Agitators

Job Number: 80748 Project Manager: Dingman FY Originated: FY10-11	Priority: 3 Category: Capacity/Supply Program: No
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Scope of Work

Purchase new compost agitators to replace the existing ones.

Project Justification

The existing agitators are approaching the end of their service life will need to be replaced. The original agitators had a seven year life as they were placed in service in 1994 and replaced in 2001-2002.

The existing agitators are approaching the end of their service life. An aggressive maintenance schedule has increased the service life of these agitators.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design							
Bidding							
Construction		\$500,000	\$500,000			\$1,000,000	
District Labor		\$10,000	\$10,000			\$20,000	
TOTALS		\$510,000	\$510,000			\$1,020,000	\$1,020,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Staff estimate based on previous purchases.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
0.0%	0.0%	0.0%		71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
0.0%	100.0%	0.0%		29%

ITEM 5D

Process Air Improvements

Job Number: 99910 Project Manager: Dingman FY Originated: FY12-13	Priority: 3 Category: Facility Improvements Program: No
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Scope of Work

This is a two phase project. The first phase is to replace the existing Roots blowers with new, high efficiency, single stage blowers.

Phase 2 is to replace the air diffusers in the aeration basins with new full floor mounted fine bubble diffusers.

Project Justification

The Tapia Process Air Study was completed in 2012 and showed that an annual energy savings \$184,000 could be achieved by implementing these improvements.

Additionally, aging infrastructure will be replaced and plant reliability will improve with the implementation of this program.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning		\$66,000	\$69,000			\$135,000	
Land Acquisition		\$0	\$0			\$0	
Design		\$142,000	\$148,000			\$290,000	
Bidding		\$13,200	\$13,800			\$27,000	
Construction		\$1,420,000	\$1,480,000			\$2,900,000	
District Labor		\$50,000	\$50,000			\$100,000	
TOTALS		\$1,691,200	\$1,760,800			\$3,452,000	\$3,452,000

APPROPRIATION REQUEST:

Cost Estimate Basis: 2011 Tapia Air Study (adjusted for inflation)

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
	20.0%			71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	80.0%			29%

ITEM 5D

Rancho Las Virgenes: FOG Receiving Facilities

Job Number: 99911 Project Manager: Dingman FY Originated: FY12-13	Priority: 3 Category: Facility Improvements Program: No
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Scope of Work

FOG: To conduct a study to determine the market for local high strength wastes (food waste, fats, oils, and grease (FOG)) that can be fed into the third digester. After completion of the study, the installation of facilities for receiving and conveying fats, oils, and grease (FOG) and food waste into the newly constructed third digester.

Project Justification

FOG: The FOG introduced into the new digester is expected to increase the amount of gas generated and to reduce the amount of sludge produced while reducing odor potential. The gas can be used to create energy through co-generation facilities.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning			\$25,000	\$10,000		\$35,000	
Land Acquisition				\$0		\$0	
Design				\$60,000		\$60,000	
Bidding				\$6,000		\$6,000	
Construction				\$600,000		\$600,000	
District Labor				\$20,000		\$20,000	
TOTALS			\$25,000	\$696,000		\$721,000	\$721,000

APPROPRIATION REQUEST:

Cost Estimate Basis: 2014 Sanitation Master plan with additional staff estimates

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
	20.0%			71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	80.0%			29%

ITEM 5D

Rancho Las Virgenes Sludge Thickening

Job Number: 99926 Project Manager: Dingman FY Originated: FY13-14	Priority: 2 Category: Facility Improvements Program: No
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Scope of Work

Installation of a thickening centrifuge or rotary drum at Rancho to increase the solids percentage of raw sludge before it is fed to the digesters.

Project Justification

This project will thicken the sludge before it is fed to the digesters which would provide an increase in capacity.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning				\$25,000		\$25,000	
Land Acquisition				\$0		\$0	
Design				\$50,000		\$50,000	
Bidding				\$5,000		\$5,000	
Construction				\$500,000		\$500,000	
District Labor				\$20,000		\$20,000	
TOTALS				\$600,000		\$600,000	\$600,000

APPROPRIATION REQUEST:

Cost Estimate Basis: 2014 Sanitation Master Plan

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Tapia Primary Flow Diversion

Job Number: 99928 Project Manager: Dingman FY Originated: FY13-14	Priority: 1 Category: Regulatory Compliance Program: No
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Scope of Work

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

Project Justification

This project would divert up to 1 MGD of primary effluent to the RAS re-aeration basins to promote nitrogen reduction for permit compliance.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design	\$40,000					\$40,000	
Bidding	\$4,000					\$4,000	
Construction		\$400,000				\$400,000	
District Labor		\$10,000				\$10,000	
TOTALS	\$44,000	\$410,000				\$454,000	\$454,000

APPROPRIATION REQUEST: \$44,000

Cost Estimate Basis: 2014 Sanitation Master Plan

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Rancho Las Virgenes Aerated Static Pile Pilot Study

Job Number: 99930 Project Manager: Dingman FY Originated: FY13-14	Priority: 3 Category: Business Improvements Program: No
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Scope of Work

Perform a pilot study using Gore cover over the compost pile so that it is aerated static composting rather than the daily agitated composting.

Project Justification

The use of the Gore cover would allow static pile composting and prevent the production of ammonia that is currently generated with the IPS composting system. The pilot study allows an evaluation of air demand and gas generation under static pile conditions and does not require an agitator.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning		\$1,500				\$1,500	
Land Acquisition							
Design		\$3,000				\$3,000	
Bidding		\$300				\$300	
Construction		\$30,000				\$30,000	
District Labor		\$5,000				\$5,000	
TOTALS		\$39,800				\$39,800	\$39,800

APPROPRIATION REQUEST:

Cost Estimate Basis: 2014 Sanitation Master Plan

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Tapia BNR Improvements

Job Number: 99933 Project Manager: Dingman FY Originated: FY13-14	Priority: 2 Category: Regulatory Compliance Program: No
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Scope of Work

Modify aeration basins at Tapia to increase aerobic zones and install baffles to prevent oxygen migration into anoxic zones. Install drop structures and provisions for supplemental carbon addition.

Project Justification

Process modeling has shown that more aerobic zone volume is necessary to nitrify the wastewater. The aerobic zone can be increased by adding aeration to the anoxic zone. The smaller anoxic zone can be compensated by adding supplemental carbon to increase denitrification efficiency.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning		\$60,000	\$0			\$60,000	
Land Acquisition							
Design		\$120,000	\$0			\$120,000	
Bidding		\$0	\$6,000			\$6,000	
Construction		\$0	\$1,206,000			\$1,206,000	
District Labor		\$20,000	\$30,000			\$50,000	
TOTALS		\$200,000	\$1,242,000			\$1,442,000	\$1,442,000

APPROPRIATION REQUEST:

Cost Estimate Basis: 2014 Sanitation Master Plan

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Tapia Electrical and Instrumentation Upgrades

Job Number: 99950 Project Manager: Korkosz FY Originated: FY13-14	Priority: 3 Category: Facility Improvements Program: No
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Scope of Work

- 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): \$180,000
- 2 - Install roots blower/motor vibration system to protect expensive motor and reduce repair cycle: \$6,000
- 3 - Roots interface upgrade: \$20,000
- 4 - Replace failing sludge force main flow meter: \$7,500
- 5 - Replace failing and inefficient facility lighting: \$40,000

Project Justification

The JPA's Tapia Water Reclamation facility represents a significant investment that is necessary for ongoing sewage treatment.

Treatment plant equipment and appurtenances are inspected and evaluated on an ongoing basis to determine the most cost effective repair/replace maintenance schedules.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	\$1,000					\$1,000	
Land Acquisition							
Design	\$2,500					\$2,500	
Bidding	\$2,000					\$2,000	
Construction	\$126,750	\$126,750				\$253,500	
District Labor	\$5,000	\$5,000				\$10,000	
TOTALS	\$137,250	\$131,750				\$269,000	\$269,000

APPROPRIATION REQUEST: \$137,250

Cost Estimate Basis: Staff estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
		100.0%		29%

ITEM 5D

Tapia Automated Filter Wash down

Job Number: 99967 Project Manager: Dingman FY Originated: FY15-16	Priority: 3 Category: Facility Improvements Program: No
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Scope of Work

This project provides integration, solenoids, wash down sprayers and SCADA control integration to allow for automatic backwashing of the 12 tertiary filters at Tapia.

Project Justification

Automating the backwashing of filters will allow for this activity to occur at night when flows are low. Currently, the filters are backwashed during the day and cause a higher peak flow due to the waste wash water being pumped into the influent sewer.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design				\$10,000		\$10,000	
Bidding				\$1,000		\$1,000	
Construction				\$100,000		\$100,000	
District Labor				\$5,000		\$5,000	
TOTALS				\$116,000		\$116,000	\$116,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Staff estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction		RW Conservation	LVMWD
				71%
P/W Replacement	Sanitation Replacement		RW Replacement	TSD
	100.0%			29%

ITEM 5D

RW Reservoir #2 Cover (Shade Balls)

Job Number: 99970 Project Manager: Schlageter FY Originated: FY 15-16	Priority: 1 Category: Regulatory Compliance Program: No
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Scope of Work

Addition of high density polyethylene (HDPE) shade balls to reservoir #2 providing a cover to the exposed reservoir surface.

Project Justification

The addition of shade balls to the reservoir was identified and recommended as part of the 2013 Reservoir No. 2 Improvement Study. The shade balls block sunlight to the water reducing algae growth and turbidity levels at the 005 monitoring station.

the shade balls were originally included in the reservoir No. 2 improvement project but the option was delayed in hopes of cost saving by purchasing them directly from the manufacturer.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees Contracts/Equipment District Labor G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning Land Acquisition Design Bidding Construction District Labor							
	\$425,000					\$425,000	
	\$10,000					\$10,000	
TOTALS	\$435,000					\$435,000	\$435,000

APPROPRIATION REQUEST: \$435,000

Cost Estimate Basis: The estimate is based on the bid option amount provided in the bids for the Reservoir No. 2 Improvement Study as well as staff research on the estimated cost from shade ball manufacturers.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
		100.0%		29%

ITEM 5D

Tapia Water Reclamation Facility Secondary Clarifier Polymer Feed

Job Number: 99971 Project Manager: Dingman FY Originated: FY 15-16	Priority: 3 Category: Business Improvements Program: No
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Scope of Work

This project installs a polymer feed system that mixes and distributes polymer to the ten secondary clarifiers. The system would consist of chemical feed pumps, distribution piping, and small containment area to hold polymer storage totes.

Project Justification

This project was identified in the 2007 Final Tapia WRF Nutrient Reduction Master Plan Update as a way to enhance settling in the secondary clarifiers. Improved settling of secondary solids allows for a higher concentration of solids to be used for treatment in the aeration basins which improves the quality of the effluent.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning		\$18,000				\$18,000	
Land Acquisition							
Design		\$36,000				\$36,000	
Bidding		\$3,600				\$3,600	
Construction		\$360,000				\$360,000	
District Labor		\$20,000				\$20,000	
TOTALS		\$437,600				\$437,600	\$437,600

APPROPRIATION REQUEST:

Cost Estimate Basis: The source of the cost estimate is the 2007 Final Tapia WRF Nutrient Reduction Master Plan Update (adjusted for inflation).

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction		RW Conservation	LVMWD
				71%
P/W Replacement	Sanitation Replacement		RW Replacement	TSD
	100.0%			29%

ITEM 5D

Primary Effluent Equalization Study

Job Number: 99972 Project Manager: Lippman FY Originated: FY 15-16	Priority: 3 Category: Facility Improvements Program: No
---	--

Scope of Work

Prepare a preliminary study to size and locate primary effluent equalization. The 2014 Sanitation Master Plan Update assumed 4 million gallons of storage.

Project Justification

Primary effluent equalization would dampen peak flows into Tapia allowing greater control over hydraulic loading of the plant processes improving performance and reliability.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning					\$50,000	\$50,000	
Land Acquisition							
Design							
Bidding							
Construction							
District Labor							
TOTALS					\$50,000	\$50,000	\$50,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Staff Estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Tapia Water Reclamation Facility Reliability Improvements

Job Number: 99973 Project Manager: Lippman FY Originated: FY 15-16	Priority: 3 Category: Facility Improvements Program: Yes
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Scope of Work

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 Justification

Providing reliability and regulatory compliance requires systematic replacement or rehabilitation of facilities and equipment.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
District Labor							
TOTALS	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$500,000

APPROPRIATION REQUEST: \$100,000

Cost Estimate Basis: Staff estimate. Estimates will be refined each fiscal year.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Sanitation Master Plan Update

<p>Job Number: 99974 Project Manager: Zhao FY Originated: FY 15-16</p>	<p>Priority: 3 Category: Business Improvements Program: No</p>
---	---

Scope of Work

Update the 2014 Master Plan for Sanitation.

Project Justification

Master plans are updated every 5-10 years based on infrastructure needs and changes to service areas and customer usage patterns.

The master plan updates are used to develop and update the District's Infrastructure Investment Program (IIP) which in turn is used to identify and develop specific capital improvement projects (CIP's).

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees Contracts/Equipment District Labor G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning					\$100,000	\$100,000	
Land Acquisition							
Design							
Bidding							
Construction							
District Labor							
TOTALS					\$100,000	\$100,000	\$100,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Based on 2014 Sanitation Master Plan cost.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

A/B Bus Electrical Modification

Job Number: 99975 Project Manager: Korkosz FY Originated: FY 15-16	Priority: 3 Category: Business Improvements Program: No
---	--

Scope of Work

Study the feasibility of reconfiguring the Tapia electrical switch gear and then hire electrical team to make the modifications.

Construction cost estimates will be developed following the completion of the feasibility study.

Project Justification

The main electrical switch gear at Tapia operates on two power phases (Wye / Delta). The two phases aren't compatible and inhibit staff's ability to shut off power at the plant for repairs.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design				\$100,000		\$100,000	
Bidding							
Construction							
District Labor							
TOTALS				\$100,000		\$100,000	\$100,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Staff estimate for study only. Construction cost estimate will be developed following the completion of the feasibility study.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

ITEM 5D

Rancho Reliability Improvements

Job Number: 99977 Project Manager: Lippman FY Originated: FY 15-16	Priority: 2 Category: Business Improvements Program: Yes
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Scope of Work

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

Project Justification

Providing reliability and regulatory compliance requires systematic replacement or rehabilitation of facilities and equipment.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
District Labor							
TOTALS	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$500,000

APPROPRIATION REQUEST: \$100,000

Cost Estimate Basis: Staff estimate. Estimates will be refined each fiscal year.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Ovation Upgrade

Job Number: 99978 Project Manager: Miller FY Originated: FY 15-16	Priority: 3 Category: Business Improvements Program: No
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Scope of Work

Future upgrade of Rancho control system.

Project Justification

The current control system is nearing the end of its useful life.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design					\$5,000	\$5,000	
Bidding							
Construction					\$475,000	\$475,000	
District Labor					\$20,000	\$20,000	
TOTALS					\$500,000	\$500,000	\$500,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Staff estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Miscellaneous RW Extension

Job Number: 99979 Project Manager: Lippman FY Originated: FY 15-16	Priority: 2 Category: Capacity/Supply Program: Yes
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Scope of Work

Funding to develop miscellaneous recycled water system extensions.

Project Justification

Converting existing potable water irrigation to irrigation with recycled water reduces imported water demand, reduces creek discharge and increases beneficial reuse.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	
Bidding	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$5,000	
Construction	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000	\$475,000	
District Labor	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	
TOTALS	\$106,000	\$106,000	\$106,000	\$106,000	\$106,000	\$530,000	\$530,000

APPROPRIATION REQUEST: \$106,000

Cost Estimate Basis: Staff estimate.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation	100.0%	LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
				29%

ITEM 5D

Recycled Water Master Plan Update

Job Number: 99980 Project Manager: Zhao FY Originated: FY 15-16	Priority: 3 Category: Business Improvements Program: No
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Scope of Work

Update the 2014 Master Plan for the Recycled Water segment.

Cost Estimate: Based on 2014 master plan cost

Project Justification

Master plans are updated every 5-10 years based on infrastructure needs and changes to service areas and customer usage patterns.

The master plan updates are used to develop and update the District's Infrastructure Investment Program (IIP) which in turn is used to identify and develop specific capital improvement projects (CIP's).

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning					\$100,000	\$100,000	
Land Acquisition							
Design							
Bidding							
Construction							
District Labor							
TOTALS					\$100,000	\$100,000	\$100,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Based on 2014 Recycled Water Master Plan cost.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation	100.0%	LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
				29%

Agoura Road Extension Phase II

<p>Job Number: 99981 Project Manager: Schlageter FY Originated: FY 15-16</p>	<p>Priority: 3 Category: Delivery Reliability Program: No</p>
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Scope of Work

The project consists of continuation of the 8" recycled water main gap closure identified in the 2007 Recycled Water Master Plan. The project will complete the closure from where the first phase of the project ended as part of the City's Agoura Road widening project.

Project Justification

The project will close a system gap and provide system redundancy, improve reliability, and serve future development.

The project should be considered & coordinated with the City of Agoura Hills to time the project with future paving and street improvement projects.

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design				\$150,000		\$150,000	
Bidding							
Construction					\$1,500,000	\$1,500,000	
District Labor					\$50,000	\$50,000	
TOTALS				\$150,000	\$1,550,000	\$1,700,000	\$1,700,000

APPROPRIATION REQUEST:

Cost Estimate Basis: Estimate is based on 1st phase bid results.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation	100.0%	LVMWD 71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD 29%

OFFSET OF IIP #10588

<p>Job Number: 99996 Project Manager: Anders FY Originated: FY 15-16</p>	<p>Priority: 2 Category: Business Improvements Program: No</p>
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Scope of Work

This project identifies the anticipated reimbursement from the City of Los Angeles for work related to the Woodland Hills Golf Course recycled waterline extension.

Project Justification

Expenditures & Appropriations - Inception to Date & Anticipated (unaudited)

	Prior Yrs.	FY11-12	FY 12-13	FY 13-14	FY 14-15	Inception to Date	Approved Approp.	Carryover (deficit)
Design Effort/Fees								
Contracts/Equipment								
District Labor								
G & A Allocations								
TOTALS								

Proposed Project Expenditures

	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-Year Total	Total Project (projected)
Planning	-\$850,000					-\$850,000	
Land Acquisition							
Design	-\$530,000	-\$530,000				-\$1,060,000	
Bidding		-\$50,000				-\$50,000	
Construction		-\$5,145,000	-\$5,145,000			-\$10,290,000	
District Labor	-\$25,000	-\$50,000	-\$50,000			-\$125,000	
TOTALS	-\$1,405,000	-\$5,775,000	-\$5,195,000			-\$12,375,000	-\$12,375,000

APPROPRIATION REQUEST: \$0

Cost Estimate Basis: Reimbursement placeholder - based on anticipated cost of Project #10588.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation	100.0%	LVMWD 71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD 29%

Section 4

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Planning Guidelines for Project Costs

All estimated costs for a project will be based on the estimated construction cost of the work.

To estimate Construction Costs use:

- Previous project work of similar scope and complexity
- Previous estimates for work updated and inflated by 3% compounded for each year since the estimate was prepared
- Project costs shown in the current Master Plan
- Means Estimating Guides (available in Engineering)
- Project costs shown in recent Water System Design Reports for pipelines, tanks, pump stations and the like
- Use 15% for contingency costs

To estimate Planning Costs use:

- Preliminary Design Report - 5% of Construction Cost
- Environmental Reports
 - \$10-20,000 for Neg Dec's/MND's
 - \$150,000 - 350,000 for full EIR's (depending on complexity)

Land Acquisition Costs

- Rural land use \$5,000/acre
- Urbanized land use \$50,000/acre
- For fees use 10% of acquisition cost

Design Costs

- Use 10% of Construction Cost (Assume consultants bill at \$125/hr)
- For very complex projects with numerous staff reviews use 15%

Bidding Costs

- Use 1% of Construction Cost

Other Costs related to construction

- Surveillance/inspection and administration use 6%
- Testing and other laboratory work use 2%
- District furnished equipment use vendor catalogs/pricing
- Construction Management Costs use 10% (private consultant)
- Operation and Maintenance Manual Preparation use 2%

District Labor Guidelines (includes G&A)

- Project cost \$25K to \$150Kuse \$5000
- Project cost \$150K to \$500Kuse \$10,000
- Project cost \$500K to \$1 Miluse \$20,000
- Project cost > \$1 Mil.....use \$50,000

ITEM 5D

Priority and Justification Criteria

Priority:

This identifies projects with a vocabulary of timeliness and need sensitivity. The higher priorities reflect projects that are typically driven by external needs or regulations rather than district needs. The overall CIP Program is achieved by a blend of projects in all Priorities consistent with fund availability.

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.
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 improvements - no regulatory requirement
 - Matching funding available (like grants)
 - Current demand related improvements
3. Desirable or Deferrable Projects
 - Routine improvements or repairs to systems
 - No direct cost benefit
 - Cosmetic improvements
 - Future demand related improvements

Justification Categories

The intent here was to group projects with similar reasons for being done or outcomes for ease of analysis of how Capital funds are being invested over time. It provides another index to analyze how the district is investing in facilities for the short and long-range future. The key question answered by this index is "Why is this project being done?"

1. Safety
2. Water Quality
3. Delivery reliability
4. Regulatory Requirements
5. System Supply or Demand
6. Business Improvements (i.e., how we enhance our business practices)
7. Facility Improvements (i.e., upgrades and enhancements in general)

Roles and Responsibilities for Project Managers

- A. Project Planning
 1. Review current CIP for continuation of existing projects
 2. Review current CIP for projects programmed for next fiscal year
 3. Update status and data for existing projects on Project Sheets
 4. Review Master Plan or other studies and reports for new projects
 5. Review operational problems which need correction with CIP project work
 6. Brainstorm with users to identify CIP requirements
 7. Review various permits issued to operate facilities for new or added CIP project requirements
 8. Review regulatory requirements for new CIP project needs to meet compliance needs
 9. Consider 'wish list' needs for CIP projects

- B. Project Development
 1. Prepare CIP Project Sheet
 2. Write/verify Project Scope
 3. Write Justification for Project
 4. Compute Project Costs
 5. Determine Program Year(s) for Project

- C. 5-Year CIP Program Preparation
 1. Verify project scope, justification, costs, program year
 2. Provide answers and feedback as necessary
 3. Participate in planning meetings

- D. CIP Program Execution
 1. Serve as single point of contact for project - assume ownership
 2. Establish schedule for work
 3. Establish significant milestones for work
 4. Establish budget for work
 5. Track/approve monthly invoices and costs of work on project
 6. Monitor progress of work, resolve issues, and keep project moving
 7. Provide quarterly status reports (consider costs, schedule, problems, slippages, etc.)
 8. Prepare necessary Board packages for review/approval of budget changes or other authorizations
 9. Provide quarterly cash flow projections
 10. Prepare project completion documents

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INFORMATION ONLY**March 2, 2015 JPA Board Meeting**

TO: Board of Directors

FROM: General Manager

Subject: Board 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 Follow-up Items](#)

BOARD MEETING FOLLOW-UP ITEMS

<u>Item No.</u>	<u>Origination Date</u>	<u>JPA or LVMWD</u>	<u>Description</u>	<u>Responsible Manager</u>
1	02/02/2015	JPA	Determine the reason for the large difference between the YTD budget and actual for "RW Pump Station" (\$732,469 v. \$828,152).	Patterson