

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

4232 Las Virgenes Road, Calabasas, CA 91302

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

The Public Comments agenda item is presented to allow the public to address the Board on matters not on the agenda. The public may also present comments on matters on the agenda; speakers for agendized items will be recognized at the time the item is called up for discussion.

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

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5:00 PM

February 3, 2020

**PLEDGE OF ALLEGIANCE**

**1 CALL TO ORDER AND ROLL CALL**

**2 APPROVAL OF AGENDA**

**3 PUBLIC COMMENTS**

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

**4 CONSENT CALENDAR**

Matters listed under the Consent Calendar are considered to be routine, non-controversial and normally approved with one motion. If discussion is requested by a member of the Board on any Consent Calendar item, or if a member of the public wishes to comment on

an item, that item will be removed from the Consent Calendar for separate action.

**A Minutes: Regular Meeting of January 6, 2020**

Approve.

**B Rancho Las Virgenes Farm Sprayfields Operation and Maintenance: Contract Extension**

Authorize the Administering Agent/General Manager to execute a three-month contract extension to W. Litten Land Preparation, in an amount not to exceed \$70,000, for the operation and maintenance of the Rancho Las Virgenes Farm Sprayfields.

**5 ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**

**A School Education Program Update**

**B Pure Water Project Las Virgenes-Triunfo: Update**

**6 ACTION ITEMS**

**A Pure Water Demonstration Garden: Final Acceptance**

Approve the execution of a Notice of Completion and have the same recorded; and, in the absence of claims from subcontractors and others, and completion of the shade canopy installation, release the retention, in the amount of \$21,572.10, 30-calendar days after filing the Notice of Completion for the Pure Water Demonstration Garden.

**B Infrastructure Investment Plan: Fiscal Years 2020-21 through 2029-30**

Receive and file the JPA Infrastructure Investment Plan for Fiscal Years 2020-21 through 2029-30.

**C Financial Review: Second Quarter of Fiscal Year 2019-20**

Receive and file the financial review for the second quarter of Fiscal Year 2019-20.

**7 BOARD COMMENTS**

**8 ADMINISTERING AGENT/GENERAL MANAGER REPORT**

**9 FUTURE AGENDA ITEMS**

**10 INFORMATION ITEMS**

**A State and Federal Legislative Update**

**B Saddle Peak and Cordillera Tank Rehab Project: Reject Bid**

Reject the bid from Spiess Construction Company, Inc., for the Saddle Peak and Cordillera Tank Rehabilitation Project.

**C Rancho Solar Generation Project Phase 2: Update**

**11 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

**12 CLOSED SESSION**

**13 ADJOURNMENT**

Pursuant to Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and applicable federal rules and regulations, requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting, should be made to the Executive Assistant/Clerk of the Board in advance of the meeting to ensure availability of the requested service or accommodation. Notices, agendas, and public documents related to the Board meetings can be made available in appropriate alternative format upon request.

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

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5:00 PM

January 6, 2020

**PLEDGE OF ALLEGIANCE**

The Pledge of Allegiance to the Flag was led by Director Shapiro.

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

The meeting was called to order at **5:01 p.m.** by Chair Orkney in the Board Room at Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road in Calabasas, California. Director Polan participated from the teleconference location at 31755 Bedfordhurst Court, Westlake Village, California. Mary Capps, Acting Clerk of the Board, conducted the roll call.

Present: Directors Caspary, Lewitt, Lo-Hill, Orkney, Polan, Renger, Shapiro, Tjulander, and Wall.

Absent: None

Director Polan confirmed that he posted a copy of the agenda at the teleconference location 72 hours in advance.

Chair Orkney noted that all votes taking during the meeting would require a roll call vote due to Director Polan's participation by teleconference.

**2. CHAIR/VICE CHAIR****A Annual Transition of JPA Chair and Vice Chair**

**Recognize Las Virgenes Municipal Water District Board President Jay Lewitt as Chair and Triunfo Water & Sanitation District Chair James Wall as Vice Chair of the Las Virgenes – Triunfo Joint Powers Authority for calendar year 2020.**

The JPA Board transitioned its officers with Las Virgenes Municipal Water District Board President Jay Lewitt as Chair and Triunfo Water & Sanitation District Chair James Wall as Vice Chair for calendar year 2020.

**3. APPROVAL OF AGENDA**

Director Tjulander moved to approve the agenda. Motion seconded by Director Wall. Motion carried by the following roll call vote:

AYES: Caspary, Lewitt, Lo-Hill, Orkney, Polan, Renger, Shapiro, Tjulander, Wall  
NOES: None  
ABSTAIN: None  
ABSENT: None

**4. PUBLIC COMMENTS**

None.

**5. CONSENT CALENDAR**

**A Minutes: Special Meeting of December 9, 2019: Approve**

Director Caspary moved to approve the Consent Calendar. Motion seconded by Director Orkney. Motion carried by the following roll call vote:

AYES: Caspary, Lewitt, Lo-Hill, Orkney, Polan, Renger, Shapiro, Tjulander, Wall  
NOES: None  
ABSTAIN: None  
ABSENT: None

**6. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**

**A Pure Water Project Las Virgenes-Triunfo: Update**

Joe McDermott, Director of Engineering and External Affairs, provided an update regarding construction activities on the Pure Water Demonstration Facility and the Demonstration Garden Project. He noted that both projects should be completed by the end of January, and both were on schedule for a ribbon cutting ceremony and tours in late March. He reported that three interns were working on a community-wide Pure Water survey and planned to have the results prior to opening the demonstration facility for tours.

A discussion ensued regarding the logistics of the survey and ribbon cutting ceremony.

**7. ACTION ITEMS**

**A Budget Planning Calendar for Fiscal Years 2020-21 and 2021-22**

**Receive and file the Budget Planning Calendar for Fiscal Years 2020-21 and 2021-22.**

Administering Agent/General Manager David Pedersen presented the report.

Director Tjulander moved to approve Item 7A. Motion seconded by Director Wall.

Motion carried by the following roll call vote:

AYES: Caspary, Lewitt, Lo-Hill, Orkney, Polan, Renger, Shapiro, Tjulander, Wall

NOES: None

ABSTAIN: None

ABSENT: None

**B Rancho Las Virgenes Composting Facility: Biofilter Repair**

**Waive the formal bidding process due to the proprietary nature of the materials to be purchased and authorize the Administering Agent/General Manager to issue a purchase order to BacTee Systems, Inc., in an amount not to exceed \$150,000, for new trench covers and baseplates to re-establish the odor control process at the Rancho Las Virgenes Composting Facility.**

Administering Agent/General Manager David Pedersen presented the report.

Director Orkney moved to approve Item 7B. Motion seconded by Director Tjulander.

Motion carried by the following roll call vote:

AYES: Caspary, Lewitt, Lo-Hill, Orkney, Polan, Renger, Shapiro, Tjulander, Wall

NOES: None

ABSTAIN: None

ABSENT: None

**8. BOARD COMMENTS**

None.

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

Administering Agent/General Manager David Pedersen reported that Mike McNutt, Public Affairs & Communications Manager, would provide a presentation and update on the School Education and Outreach Program at the February meeting. He reported that the JPA has seen a 25 percent reduction in energy usage as a result of the Process Air Improvements Project at Tapia. He also noted that a Solar Project update would be provided at the February meeting. Lastly, he announced

that he would like to initiate a discussion regarding the annual lobbying trip to Washington D.C. anticipated for April 2020.

**10. FUTURE AGENDA ITEMS**

None.

**11. INFORMATION ITEMS**

**A State and Federal Legislative Update**

**12. PUBLIC COMMENTS**

None.

**13. CLOSED SESSION**

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

Zusser Company, Inc. v. Las Virgenes Municipal Water District

The Board recessed to Closed Session at **5:24 p.m.** and reconvened to Open Session at **6:18 p.m.**

Keith Lemieux, District Counsel, announced that the Board received a report in Closed Session, and there was no reportable action.

**14. ADJOURNMENT**

Seeing no further business to come before the Board, the meeting was duly adjourned at **6:19 p.m.**

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Jay Lewitt, Chair

ATTEST:

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James Wall, Vice Chair



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February 3, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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**Subject : Rancho Las Virgenes Farm Sprayfields Operation and Maintenance:  
Contract Extension**

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**SUMMARY:**

For the past 11 years, the JPA Board has authorized the Administering Agent/General Manager to execute one-year contracts with W. Litten Land Preparation (Litten), in annual amounts not to exceed \$250,000, for the operation and maintenance of the JPA's Rancho Las Virgenes Farm Sprayfields. The purchasing policy of LVMWD, acting as Administering Agent for the JPA, requires existing contracts that exceed \$35,000 be renewed through a competitive process every five years. Since a competitive solicitation was overdue for the sprayfields agreement, staff issued a Request for Proposals on December 9, 2019 to obtain proposals for the work. Staff reached out to numerous potential contractors to encourage them to submit proposals. However, despite the efforts of staff, only one proposal was received from Litten. The cost of the proposal was higher than anticipated and dependent on the terms selected by the JPA. Staff recommends a three-month extension of the existing contract to provide sufficient time to determine the best course of action.

**RECOMMENDATION(S):**

Authorize the Administering Agent/General Manager to execute a three-month contract extension to W. Litten Land Preparation, in an amount not to exceed \$70,000, for the operation and maintenance of the Rancho Las Virgenes Farm Sprayfields.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

The cost of the work is not expected to exceed \$70,000. Sufficient funds are available in the adopted Fiscal Year 2019-20 JPA Budget.

**DISCUSSION:**

Litten provides effluent disposal services at the Rancho Las Virgenes Farm Sprayfields as required by the NPDES Permit for the Tapia Water Reclamation Facility. The services provided by Litten also include planting and harvesting of crops for nutrient removal as required by Part 503 of the EPA Biosolids Rule, management of the irrigation system for the sprayfields, maintenance of catch basins to prevent off-site runoff and general upkeep of the facility. Additionally, Litten performs maintenance and weed abatement services at other JPA facilities, as needed. Most of the work performed at the sprayfields is agricultural in nature and requires unique expertise and familiarity with agricultural operations. Also, the Rancho Las Virgenes Farm Sprayfields are not proximate to other agricultural operations, which are more common in the Oxnard and Camarillo areas. As a result, the number of potential contractors is limited by experience, expertise and willingness to travel to the area.

**GOALS:**

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

Prepared by: Dave Roberts, Resource Conservation Manager

February 3, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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**Subject : Pure Water Demonstration Garden: Final Acceptance**

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**SUMMARY:**

On October 7, 2019, the JPA Board awarded a construction contract to Terra Form, Inc., in the amount of \$423,000, for the Pure Water Demonstration Garden Project. There was one change order, in the amount of \$8,442, which was administratively approved. The work is now substantially complete, and there are no significant outstanding issues to prevent final acceptance of the project. The only remaining item of work involves installation of a shade canopy, which due to the long fabrication lead time, will not be available until mid-February. Staff recommends filing the Notice of Completion, and, pending completion of the shade canopy installation, releasing the retention as stipulated in the contract documents.

**RECOMMENDATION(S):**

Approve the execution of a Notice of Completion and have the same recorded; and, in the absence of claims from subcontractors and others, and completion of the shade canopy installation, release the retention, in the amount of \$21,572.10, 30-calendar days after filing the Notice of Completion for the Pure Water Demonstration Garden.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

Sufficient funds are available in the adopted Fiscal Year 2019-20 JPA Budget for the work.

**DISCUSSION:**

Background:

The Pure Water Demonstration Garden is an integral component of the upcoming Pure Water Demonstration Project and will provide a complementary experience to visitors who are expected to

tour the facility for years to come. The scope of work includes landscaping, irrigation, additional plantings, walkways, decorative hardscape and seating around LVMWD's Building No. 1, soon to be the Pure Water Demonstration Facility. On October 7, 2019, the JPA Board awarded a construction contract to Terra Form, Inc., for the project. The work is now substantially completed.

Change Orders:

There was one change order issued during construction. Change Order No. 1, in the amount of \$8,442 or approximately 2.0% of the original contract amount, was administratively approved by the Administering Agent/General Manager on November 26, 2019, to address several plan sheet revisions that included a combination of deductive and additive changes.

Following is a summary of the changes:

**Deductions:**

- Eliminate the installation of a salvaged 30-inch valve on a pedestal and associated concrete foundation (\$1,500.00).
- Eliminate the installation of a concrete slab and related trench drain, asphalt removal/repairs, concrete curb, drain line and color for concrete slab (\$3,138.00).

**Additions:**

- Address revisions to four drawings sheets (\$9,345.00).
- Install additional urbanite stepping stones (\$250.00).
- Remove and replace dead Salvias (\$500.00).
- Furnish and install three replacement light bollards (\$2,985.00).

Total Project Cost:

Construction Contract	\$423,000
Change Order No. 1	\$8,442
<b>Total</b>	<b>\$431,442</b>

Administrative costs, including labor and G&A, will be reconciled pending completion of the Pure Water Demonstration Project, which will be brought back to the JPA Board for final acceptance.

**GOALS:**

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

Prepared by: Veronica Hurtado, Assistant Engineer

**ATTACHMENTS:**

- Notice of Completion
- Change Order No. 1

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO

Name  
Street  
Address  
City &  
State  
Zip

SPACE ABOVE THIS LINE FOR RECORDER'S USE

T 420 LEGAL (9-94)

### Notice of Completion

**NOTICE IS HEREBY GIVEN THAT:**

1. The undersigned is the owner of the interest or estate stated below in the property hereinafter described.
2. The full name of the undersigned is \_\_\_\_\_ (NAME).
3. The full address of the undersigned is \_\_\_\_\_  
 \_\_\_\_\_  
 (NUMBER AND STREET, CITY, STATE, ZIP).
4. The nature of the title of the undersigned is OWNER IN FEE  
 (E.G., owner in fee OR vendee under contract of purchase OR lessee OR OTHER APPROPRIATE DESIGNATION).
5. The full names and full addresses of all persons, if any, who hold title with the undersigned as joint tenants or as tenants in common are:  

Names	Addresses
_____	_____
_____	_____
6. The names of the predecessors in interest of the undersigned, if the property was transferred subsequent to the commencement of the work of improvement herein referred to are (OR IF NO TRANSFER WAS MADE, INSERT THE WORD "none"):  

Names	Addresses
_____	_____
_____	_____
7. A work of improvement on the property hereinafter described was completed on \_\_\_\_\_ (DATE).
8. The name of the original contractor, if any, for the work of improvement was \_\_\_\_\_  
 (NAME OF CONTRACTOR, OR IF NO CONTRACTOR FOR THE WORK OF IMPROVEMENT AS A WHOLE, INSERT THE WORD "none"). [IF NOTICE COVERS COMPLETION OF CONTRACT FOR ONLY PART OF THE WORK OF IMPROVEMENT, ADD: The kind of work done or material furnished was \_\_\_\_\_  
 (GIVE GENERAL STATEMENT, E.G., furnishing of concrete for sidewalks].
9. The property on which the work of improvement was completed is in the City of \_\_\_\_\_, County of \_\_\_\_\_, State of California, and is described as follows: \_\_\_\_\_  
 \_\_\_\_\_  
 (set forth description of jobsite sufficient for identification, using legal description if possible).
10. The street address of the said property is \_\_\_\_\_  
 (NUMBER AND STREET, OR, IF THERE IS NO OFFICIAL STREET ADDRESS, INSERT THE WORD "none".)

Dated: \_\_\_\_\_, \_\_\_\_\_ Las Virgenes Municipal Water District

\_\_\_\_\_  
(SIGNATURE)

\_\_\_\_\_  
(TYPED NAME)

#### VERIFICATION

I, the undersigned, say:  
 I am the person who signed the foregoing notice. I have read the above notice and know its contents, and the facts stated therein are true of my own knowledge.  
 I declare under penalty of perjury that the foregoing is true and correct.

Executed at \_\_\_\_\_, California, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
 \_\_\_\_\_ (SIGNATURE)

**DO NOT RECORD**

**Recommended Procedure in the Preparation of a Notice of Completion**

A notice of completion must be filed for record *within 10 days* after completion of the work of improvement (to be computed exclusive of the day of completion), as provided in section 3093, Civil Code.

The "owner" who must file for record a notice of completion of a building or other work of improvement means the owner (or his successor in interest at the date of notice is filed) on whose behalf the work was done, though his ownership is less than the fee title. For example, if A is the owner in fee, and B, lessee under a lease, causes a building to be constructed, then B, or whoever has succeeded to his interest at the date the notice is filed, must file the notice.

If the ownership is in *two or more persons as joint tenants or tenants in common*, the notice may be signed by any one of the co-owners (in fact, the foregoing form is designed for giving of the notice by only one co-tenant), but the names and addresses of the other co-owners must be stated in paragraph 5 of the form.

In paragraphs 3 and 5, the full address called for should include street number, city, county and state.

As to paragraph 6, insert the date of completion of the work of improvement as a *whole* if applicable. However, if the notice is to be given only of completion of a particular contract, where work of improvement is made pursuant to two or more original contracts, strike the words "a work of improvement" and insert a general statement of the kind of work done or materials furnished pursuant to such contract (e.g. "The foundations for the improvements").

If the notice is to be given as a notice of completion of the work of improvement as a *whole*, insert the name of the prime contractor, if any, in paragraph 7. No contractor's name need be given if there is no general contractor, e.g., on so-called "owner-builder jobs". However, if the notice is to be given only of completion of a particular contract, where work of improvement is made pursuant to two or more original contracts, insert the name of the contractor who performed that particular contract.

Paragraph 8 should be completed only where the notice is signed by a successor in interest of the owner who caused the improvement to be constructed.

In paragraph 9, insert the *full legal* description, not merely a street address or tax description. Refer to deed or policy of title insurance. If the space provided for description is not sufficient, a rider may be attached.

In paragraph 10, show the street address, if any, assigned to the property by any competent public or governmental authority.

**NOTICE  
OF COMPLETION**

CHICAGO TITLE COMPANY



WESTERN DIVISION HEADQUARTERS  
245 S. LOS ROBLES AVENUE, SUITE 105  
PASADENA, CALIFORNIA 91101-2820  
(818) 432-7600

CHICAGO TITLE COMPANY





# CONTRACT CHANGE ORDER

No. 1

4232 Las Virgenes Road  
Calabasas, California 91302-1994

Project: Pure Water Demonstration Garden

Project No. Acct. No.10638.1880.505

Contractor Terra Form

Date 11/20/2019

CONTRACTOR CHANGE ORDER NO. 1 The Contractor is hereby authorized and directed to make the herein described changes from the Plans and Specifications or do the following work not included in the Plans and Specifications for the construction of this project.

This change requested by: Terra Form

### DESCRIPTION OF CHANGE:

	Description	Total Amount
<b><u>Contractor Change Order Request</u></b>		
	<p><b><u>*Item One- Deductions made in plan sheet revisions:</u></b></p> <ul style="list-style-type: none"> <li>• Note #1 30" valve sheet L-4.1, concrete foundation and attachments per detail 1 sheet L-4.7 \$1,500.00</li> <li>• Note #2 concrete pad sheet L-4.2 \$1,568.00</li> <li>• Notes #23 trench drain, #24 asphalt repairs, #36 concrete curb sheet L-4.2, and #25 removal of asphalt sheet L-2.2 \$1,145.00</li> <li>• Notes #6 trench drain and #7 drain line sheet L-3.2 \$350.00</li> <li>• Note #2 no color for concrete slab sheet L-4.1 \$75.00</li> </ul> <p><b><u>*Item Two- Additions made in plan sheet revisions:</u></b></p> <ul style="list-style-type: none"> <li>• Include in area C revision 4 drawings sheets L-1.0, L-3.3, L-3.4, L-4.3, and L-4.4 dated 11-11-19. \$9,345.00</li> <li>• Note #19 four urbanite step stones sheet L-4.2 \$250.00</li> <li>• Note #35 remove existing dead Salvias sheet L-2.2 \$75.00</li> <li>• Ten Salvia clevelandii 'Winifred Gilman' 1 gallons each sheet L-5.2, and related irrigation sheet L-6.2 \$425.00</li> <li>• Furnish and install three replacement light bollards in area D sheet L-7.3. No wiring included. \$2,985.00</li> </ul> <p>*This item includes all labor, equipment, materials, taxes, credits, freight and shipping costs.</p>	<p>(\$4638.00)</p> <p>\$13,080.00</p>
	<b>TOTAL</b>	<b>\$8442.00</b>

**INCREASES**  
**TOTAL**  
**DECREASES**

AT AGREED PRICES OR FORCE ACCOUNT \$8442.00



Contract Change Order No. 1  
Date 11/20/2019

Project No. 10638

Acct. No. 10638.1880.505

(2) Estimate of increases and/or decreases in contract items at contract unit prices:

<b>INCREASES</b>					
Item	Description	Quantity	Unit Price	TOTAL INCREASES	Total
					<u>N/A</u>

<b>DECREASES</b>					
Item	Description	Quantity	Unit Price	TOTAL DECREASES	Total
					<u>N/A</u>
<b>TOTAL NET DECREASE IN CONTRACT ITEMS AT CONTRACT UNIT PRICES</b>					<u>N/A</u>

TOTAL COST OF THIS CHANGE ORDER \$8442.00

INCREASE

DECREASE

It is agreed 0 calendar days extension of time will be allowed by reason of this change.

Recommended by

[Signature]  
Eric Schlageter, P.E.  
Principal Engineer

Departmental Approval

[Signature] 11/26/19  
Joe McDermott, P.E.  
Director of Engineering and External Affairs

ACCEPTED:

TERRE FORM INC  
By: [Signature]  
Date: 11/20/19

APPROVED:

Las Virgenes-Triunfo Joint Powers Authority  
By: [Signature]  
David W. Pedersen, General Manager  
Date: 11/26/19

Note: Attention is called to the sections of the Special Provisions and Standard Provisions on EXTRA, ADDITIONAL OR OMITTED WORK.

- THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY OWNER
- IF ACCEPTABLE TO THE CONTRACTOR, THIS CHANGE ORDER IS EFFECTIVE IMMEDIATELY

Las Virgenes Municipal Water District Project Located At: Pure Water Demonstration Gardens 4232 Las Virgenes Road Calabasas, California		
Terms: Proposal valid for 15 days	Representative: Philip Castiglia	Date: 11-11-2019

**Revised Change Order #1**

<p>This quote is valid for 15 days <i>As per revision of 4 drawings sheets L-1.0, L-3.3, L-3.4, L-4.3, and L-4.4 dated 11-11-19.</i></p>
<p><b>Deductions:</b></p> <p>1-Note #1 30" valve sheet L-4.1, concrete foundation and attachments per detail 1 sheet L-4.7 <b>\$1,500.00</b></p> <p>2-Note #2 concrete pad sheet L-4.2 <b>\$1,568.00</b></p> <p>3-Notes #23 trench drain, #24 asphalt repairs, #36 concrete curb sheet L-4.2, and #25 removal of asphalt sheet L-2.2 <b>\$1,145.00</b></p> <p>4-Notes #6 trench drain and #7 drain line sheet L-3.2 <b>\$350.00</b></p> <p>5-Note #2 no color for concrete slab sheet L-4.1 <b>\$75.00</b></p> <p><b>Total Deductions: \$4,638.00</b></p> <p><b>Additives:</b></p> <p>1-Include in area C revision 4 drawings sheets L-1.0, L-3.3, L-3.4, L-4.3, and L-4.4 dated 11-11-19. <b>\$9,345.00</b></p> <p>2-Note #19 four urbanite step stones sheet L-4.2 <b>\$250.00</b></p> <p>3-Note #35 remove existing dead Salvias sheet L-2.2 <b>\$75.00</b></p> <p>4-Ten Salvia clevelandii 'Winifred Gilman' 1 gallons each sheet L-5.2, and related irrigation sheet L-6.2 <b>\$425.00</b></p> <p>5-Furnish and install three replacement light bollards in area D sheet L-7.3. No wiring included. <b>\$2,985.00</b></p> <p><b>Total Additives: \$13,080.00</b></p> <p><b>General Notes:</b> <i>This is prevailing wage bid.</i></p>

Authorization Signature: _____	Date: _____
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February 3, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

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**Subject : Infrastructure Investment Plan: Fiscal Years 2020-21 through 2029-30**

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**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 multi-year planning period. The IIP incorporates proposed projects from a number of sources including the Sanitation and Recycled Water Master Plans, recommendations from specific facility plans, regulatory requirements and facility condition assessments. The current IIP anticipates a total of \$198 million in JPA capital improvements over the 10-year planning period. LVMWD's share of the total investment is approximately \$140 million and TSWD's share is approximately \$58 million.

**RECOMMENDATION(S):**

Receive and file the JPA Infrastructure Investment Plan for Fiscal Years 2020-21 through 2029-30.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

No

**FINANCIAL IMPACT:**

The IIP is a planning document and does not involve the appropriation of funds. Appropriations for proposed projects for Fiscal Years 2020-21 and 2021-22 will be recommended in the upcoming JPA Budget.

**DISCUSSION:**

The IIP covers a 10-year planning period and uses the Sanitation and Recycled Water Master Plans, recommendations from specific facility plans, known regulatory requirements and facility condition assessments to identify proposed capital projects and programs. Historically, the IIP has covered a five-year planning period; however, staff recommends shifting to a longer

10-year planning horizon to improve the JPA's forecasting of future financial needs, particularly considering the investments anticipated for the Pure Water Project Las Virgenes-Triunfo.

In the early years of the proposed IIP, the focus is on the replacement and rehabilitation of aging facilities. In the latter years, the focus remains on programmatic replacement and rehabilitation of aging facilities, as well as significant investments for the design and construction of the Pure Water Project Las Virgenes-Triunfo.

Following is a summary of the major projects currently proposed in the IIP:

**Pure Water Project Las Virgenes-Triunfo (CIP No. 10635)**

**Programs**

- Rancho Reliability Improvements (CIP No. 201839)
- Tapia Water Reclamation Facility Improvements (CIP No. 201840)
- Fire Hardening - JPA Facilities (CIP No. 201915)

**Recycled Water System**

- Canyon Oaks Park Recycled Water Main Extension (CIP No. 10629)
- Cordillera Tank Rehabilitation (CIP No. 10665)

**GOALS:**

Ensure Effective Utilization of the Public's Assets and Money

Prepared by: Doug Anders, Administrative Services Coordinator

**ATTACHMENTS:**

Proposed JPA Infrastructure Investment Plan

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 2020/21 – FISCAL YEAR 2029/30**

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Section 1

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Las Virgenes - Triunfo Joint Powers Authority  
Infrastructure Investment Plan  
FY 20/21 through FY 29/30

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 ten year Plan reviews anticipated work over an extended planning horizon and updates planned spending for previously identified programs. Additionally, the ten year plan provides a basis for developing long term financial plans and for anticipating agency cash flow needs.

The information provided in this Plan is intended to inform the reader of current and proposed capital improvement projects, their status and potential costs.

This ten year Plan has been prepared and reviewed by staff to confirm the priority and need of ongoing and candidate projects for 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 planning 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.

### Assumptions

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

- Projects related to proposed regulatory standards for Malibu Creek and their impact to the Tapia Water Reclamation Facility ("Tapia") are included in this plan (#10619 Summer Season 2013 TMDL Compliance) and the 003 Discharge Point Rehabilitation project (#201918).
- Significant effort will continue towards indirect potable reuse through the Pure Water Project (#10635).
- Repair and replacement projects for JPA facilities will be scheduled for long term protection of agencies' investment and to improve operational efficiencies.

### Summary

This ten year Plan reflects the previous trend on placing emphasis on "replacement-funded" projects for Potable Water, 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.

Major projects scheduled over the next two years are identified below.

#### Pure Water Project - (10635)

##### Programs

- Rancho Reliability Improvements (201839)
- Tapia Water Reclamation Facility Improvements (201840)
- Fire Hardening - JPA Facilities (201915)

#### Recycled Water System

- Canyon Oaks Park Recycled Water Main Extension (10629)
- Cordillera Tank Rehabilitation (10665)

-

Rancho / Farm

- Centrate 24" Valve Replacement (10670)
- Rancho Las Virgenes Digester Cleaning and Repair (10680)
- Rancho Generator Study and Purchase (201907)

Recycled Water

- Canyon Oaks Park Recycled Water Main Extension (10629)
- Cordillera Tank Rehabilitation (10665)

Tapia

- Summer Season TMDL Compliance (10619)
- Tapia Influent Pump Replacement (201854)
- Tapia Flow Equalization (201904)
- Tapia HVAC Replacement (201906)
- 003 Discharge Point Rehabilitation (201918)
- Return Activated Sludge (RAS) Wet Well and Pumps (60031)

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Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Expenditures by Fund

	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	10-Year Total
P/W Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P/W Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sanitation Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sanitation Replacement	\$8,759,413	\$9,738,206	\$14,027,750	\$21,983,796	\$25,153,495	\$33,906,416	\$37,084,663	\$28,981,040	\$11,644,040	\$2,065,168	\$193,343,989
RW Conservation	\$555,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$555,000
RW Replacement	\$1,491,282	\$723,000	\$627,584	\$0	\$0	\$1,496,831	\$0	\$0	\$0	\$0	\$4,338,697
<b>Total Costs</b>	<b>\$10,805,695</b>	<b>\$10,461,206</b>	<b>\$14,655,334</b>	<b>\$21,983,796</b>	<b>\$25,153,495</b>	<b>\$35,403,247</b>	<b>\$37,084,663</b>	<b>\$28,981,040</b>	<b>\$11,644,040</b>	<b>\$2,065,168</b>	<b>\$198,237,685</b>
LVMWD Share:	\$7,628,821	\$7,385,612	\$10,346,666	\$15,520,560	\$17,758,368	\$24,994,692	\$26,181,772	\$20,460,615	\$8,220,692	\$1,458,009	\$139,955,806
TWSD Share:	\$3,176,874	\$3,075,595	\$4,308,668	\$6,463,236	\$7,395,128	\$10,408,555	\$10,902,891	\$8,520,426	\$3,423,348	\$607,159	\$58,281,879



Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

JPA Partner Cost Share

	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	0-Year Total
P/W Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P/W Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sanitation Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sanitation Replacement	\$6,184,146	\$6,875,174	\$9,903,591	\$15,520,560	\$17,758,368	\$23,937,930	\$26,181,772	\$20,460,615	\$8,220,692	\$1,458,009	\$136,500,856
RW Conservation	\$391,830	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$391,830
RW Replacement	\$1,052,845	\$510,438	\$443,074	\$0	\$0	\$1,056,762	\$0	\$0	\$0	\$0	\$3,063,120
<b>LVMWD Share</b>	<b>\$7,628,821</b>	<b>\$7,385,612</b>	<b>\$10,346,666</b>	<b>\$15,520,560</b>	<b>\$17,758,368</b>	<b>\$24,994,692</b>	<b>\$26,181,772</b>	<b>\$20,460,615</b>	<b>\$8,220,692</b>	<b>\$1,458,009</b>	<b>\$139,955,806</b>

  

	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	0-Year Total
P/W Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P/W Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sanitation Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sanitation Replacement	\$2,575,267	\$2,863,033	\$4,124,158	\$6,463,236	\$7,395,128	\$9,968,486	\$10,902,891	\$8,520,426	\$3,423,348	\$607,159	\$56,843,133
RW Conservation	\$163,170	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$163,170
RW Replacement	\$438,437	\$212,562	\$184,510	\$0	\$0	\$440,068	\$0	\$0	\$0	\$0	\$1,275,577
<b>TWSD Share</b>	<b>\$3,176,874</b>	<b>\$3,075,595</b>	<b>\$4,308,668</b>	<b>\$6,463,236</b>	<b>\$7,395,128</b>	<b>\$10,408,555</b>	<b>\$10,902,891</b>	<b>\$8,520,426</b>	<b>\$3,423,348</b>	<b>\$607,159</b>	<b>\$58,281,879</b>
<b>Total Costs</b>	<b>\$10,805,695</b>	<b>\$10,461,206</b>	<b>\$14,655,334</b>	<b>\$21,983,796</b>	<b>\$25,153,495</b>	<b>\$35,403,247</b>	<b>\$37,084,663</b>	<b>\$28,981,040</b>	<b>\$11,644,040</b>	<b>\$2,065,168</b>	<b>\$198,237,685</b>

Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Expenditures by Priority

	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	10-Year Total
Priority 1	\$4,667,700	\$747,600	\$910,000	\$3,594,000	\$3,594,000	\$264,000	\$264,000	\$264,000	\$264,000	\$264,000	\$14,833,300
Priority 2	\$5,788,995	\$9,713,606	\$11,599,750	\$12,312,296	\$21,559,495	\$33,642,416	\$36,820,663	\$28,717,040	\$11,380,040	\$1,801,168	\$173,335,471
Priority 3	\$349,000	\$0	\$2,145,584	\$6,077,500	\$0	\$1,496,831	\$0	\$0	\$0	\$0	\$10,068,915
<b>TOTAL ALL PROJECTS</b>	<b>\$10,805,695</b>	<b>\$10,461,206</b>	<b>\$14,655,334</b>	<b>\$21,983,796</b>	<b>\$25,153,495</b>	<b>\$35,403,247</b>	<b>\$37,084,663</b>	<b>\$28,981,040</b>	<b>\$11,644,040</b>	<b>\$2,065,168</b>	<b>\$198,237,685</b>

- 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.

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## Section 2

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Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Priority

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
PRIORITY: 1												
10619	Summer Season TMDL Compliance	2,619,200	0	0	0	0	0	0	0	0	0	2,619,200
10668	Rancho Las Virgenes Storm Water Diversion Structure Replacement	30,000	117,600	0	0	0	0	0	0	0	0	147,600
10670	Centrate 24" Valve Replacement	289,000	0	0	0	0	0	0	0	0	0	289,000
201857	Tapia Hypochlorite Tank Replacement	193,200	0	0	0	0	0	0	0	0	0	193,200
201859	Tapia Effluent Meter Replacement	33,000	0	0	0	0	0	0	0	0	0	33,000
201861	Tapia Air Line Repair	0	50,000	330,000	0	0	0	0	0	0	0	380,000
201904	Tapia Flow Equalization - Design/Construct	100,000	250,000	250,000	3,330,000	3,330,000	0	0	0	0	0	7,260,000
201906	Tapia HVAC Replacement	304,000	0	0	0	0	0	0	0	0	0	304,000
201912	Concrete Corrosion/Crack Repair - Tapia	66,000	66,000	66,000	0	0	0	0	0	0	0	198,000
201915	Fire Hardening - JPA Facilities	264,000	264,000	264,000	264,000	264,000	264,000	264,000	264,000	264,000	264,000	2,640,000
201918	003 Discharge Point Rehabilitation	769,300	0	0	0	0	0	0	0	0	0	769,300
	SUB-TOTAL TAPIA	\$4,667,700	\$747,600	\$910,000	\$3,594,000	\$3,594,000	\$264,000	\$264,000	\$264,000	\$264,000	\$264,000	\$14,833,300
PRIORITY: 2												
10520	SCADA System Communication Upgrades	0	50,000	396,000	330,000	0	0	0	0	0	0	776,000
10567	Tapia Programmable Logic Controller Upgrades	69,696	0	0	0	0	0	0	0	0	0	69,696
10629	Canyon Oaks Park RW Main Extension	555,000	0	0	0	0	0	0	0	0	0	555,000
10635	Pure Water Project	2,911,366	8,249,514	8,497,000	9,498,296	21,295,495	33,378,416	36,556,663	28,453,040	11,116,040	1,537,168	161,493,000
10665	Cordillera Tank Rehab	1,456,282	0	0	0	0	0	0	0	0	0	1,456,282
10666	Calabasas Park Recycled Water Main Extension	10,000	528,000	0	0	0	0	0	0	0	0	538,000
10680	Rancho Las Virgenes Digester Cleaning and Repair	621,060	0	0	0	0	0	0	0	0	0	621,060
10689	Rancho Fire Repair - Woolsey Fire	1,484,070	0	0	0	0	0	0	0	0	0	1,484,070
10692	JPA Facility Facilities Repair - Woolsey Fire	330,000	0	0	0	0	0	0	0	0	0	330,000

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Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Priority

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
10702	Tapia Effluent Pump Station 4160 Volt Feeder Relocation	100,000	198,000	198,000	0	0	0	0	0	0	0	496,000
10703	Tapia Tertiary Filter Rehabilitation	0	79,200	0	0	0	0	0	0	0	0	79,200
201839	Rancho Reliability Improvements	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	1,320,000
201840	Tapia Water Reclamation Facility Improvements	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	1,320,000
201854	Tapia Influent Pump Replacement	0	396,000	0	0	0	0	0	0	0	0	396,000
201858	Tapia Secondary Clarifier Rehabilitation	281,000	0	0	0	0	0	0	0	0	0	281,000
201860	Tapia Sludge Wet Well Re-circulation Piping Replacement	0	62,800	0	0	0	0	0	0	0	0	62,800
201862	Rancho Valving In Street Replacement	0	253,500	0	0	0	0	0	0	0	0	253,500
201866	Multi Site Security Assessment and Improvement - JPA	24,750	24,750	24,750	0	0	0	0	0	0	0	74,250
201875	Tapia Gantry Crane	0	115,600	0	0	0	0	0	0	0	0	115,600
201901	Wildlife Corridor Utility Relocation - JPA Recycled Water	50,000	264,000	0	0	0	0	0	0	0	0	314,000
201907	Rancho Generator Study and Purchase	50,000	390,000	0	0	0	0	0	0	0	0	440,000
201911	Pure Water Project Grant Offset	-684,159	-2,017,758	0	0	0	0	0	0	0	0	-2,701,917
201916	Control Building Improvements	0	0	2,220,000	2,220,000	0	0	0	0	0	0	4,440,000
201928	Wildlife Corridor Utility Relocation - JPA - Offset	-50,000	-264,000	0	0	0	0	0	0	0	0	-314,000
201930	Rancho Fire Repair - Woolsey Fire - Reimbursement	-1,484,070	0	0	0	0	0	0	0	0	0	-1,484,070
201933	JPA Facility Facilities Repair - Woolsey Fire - Reimbursement	-330,000	0	0	0	0	0	0	0	0	0	-330,000
60031	New RAS Wet Well and Pumps	120,000	1,120,000	0	0	0	0	0	0	0	0	1,240,000
70019	Centrate Tank Inspection and Rehabilitation Assessment	10,000	0	0	0	0	0	0	0	0	0	10,000
SUB-TOTAL RANCHO/FARM		\$5,788,995	\$9,713,606	\$11,599,750	\$12,312,296	\$21,559,495	\$33,642,416	\$36,820,663	\$28,717,040	\$11,380,040	\$1,801,168	\$173,335,471

Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Priority

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
PRIORITY: 3												
10661	A/B Bus Electrical Modification	100,000	0	0	0	0	0	0	0	0	0	100,000
10669	Develop Tour Seating Area at Tapia	116,000	0	0	0	0	0	0	0	0	0	116,000
10693	Pavement Restoration Rancho	0	0	531,000	0	0	0	0	0	0	0	531,000
201869	Recycled Water Tank Rehabilitation	0	0	627,584	0	0	1,496,831	0	0	0	0	2,124,415
201913	Tapia Effluent Pump Station Rehabilitation	0	0	0	5,522,500	0	0	0	0	0	0	5,522,500
60030	Grit Chamber Mixing System Replacement	133,000	0	0	0	0	0	0	0	0	0	133,000
60032	Pavement Restoration Tapia	0	0	432,000	0	0	0	0	0	0	0	432,000
80748	Rancho: Replace Agitators	0	0	555,000	555,000	0	0	0	0	0	0	1,110,000
SUB-TOTAL RANCHO/FARM		\$349,000	\$0	\$2,145,584	\$6,077,500	\$0	\$1,496,831	\$0	\$0	\$0	\$0	\$10,068,915
TOTAL ALL PROJECTS		\$10,805,695	\$10,461,206	\$14,655,334	\$21,983,796	\$25,153,495	\$35,403,247	\$37,084,663	\$28,981,040	\$11,644,040	\$2,065,168	\$198,237,685



Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Priority

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
PRIORITY: 3												
10661	A/B Bus Electrical Modification	100,000	0	0	0	0	0	0	0	0	0	100,000
10669	Develop Tour Seating Area at Tapia	116,000	0	0	0	0	0	0	0	0	0	116,000
10693	Pavement Restoration Rancho	0	0	531,000	0	0	0	0	0	0	0	531,000
201869	Recycled Water Tank Rehabilitation	0	0	627,584	0	0	1,496,831	0	0	0	0	2,124,415
201913	Tapia Effluent Pump Station Rehabilitation	0	0	0	5,522,500	0	0	0	0	0	0	5,522,500
60030	Grit Chamber Mixing System Replacement	133,000	0	0	0	0	0	0	0	0	0	133,000
60032	Pavement Restoration Tapia	0	0	432,000	0	0	0	0	0	0	0	432,000
80748	Rancho: Replace Agitators	0	0	555,000	555,000	0	0	0	0	0	0	1,110,000
	SUB-TOTAL RANCHO/FARM	\$349,000	\$0	\$2,145,584	\$6,077,500	\$0	\$1,496,831	\$0	\$0	\$0	\$0	\$10,068,915
TOTAL ALL PROJECTS		\$10,805,695	\$10,461,206	\$14,655,334	\$21,983,796	\$25,153,495	\$35,403,247	\$37,084,663	\$28,981,040	\$11,644,040	\$2,065,168	\$198,237,685

Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Location

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
<b>ADMINISTRATIVE</b>												
10520	SCADA System Communication Upgrades	0	50,000	396,000	330,000	0	0	0	0	0	0	776,000
201866	Multi Site Security Assessment and Improvement - JPA	24,750	24,750	24,750	0	0	0	0	0	0	0	74,250
	SUB-TOTAL ADMINISTRATIVE	\$24,750	\$74,750	\$420,750	\$330,000	\$0	\$0	\$0	\$0	\$0	\$0	\$850,250
<b>PROGRAMS</b>												
201839	Rancho Reliability Improvements	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	1,320,000
201840	Tapia Water Reclamation Facility Improvements	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	132,000	1,320,000
201915	Fire Hardening - JPA Facilities	264,000	264,000	264,000	264,000	264,000	264,000	264,000	264,000	264,000	264,000	2,640,000
	SUB-TOTAL PROGRAMS	\$528,000	\$528,000	\$528,000	\$528,000	\$528,000	\$528,000	\$528,000	\$528,000	\$528,000	\$528,000	\$5,280,000
<b>PROJECTS WITH COST OFFSETS</b>												
201901	Wildlife Corridor Utility Relocation - JPA Recycled Water	50,000	264,000	0	0	0	0	0	0	0	0	314,000
	SUB-TOTAL PROJECTS WITH COST OFFSETS	\$50,000	\$264,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$314,000
<b>PROJECTS WITH COST OFFSETS - OFFSETS</b>												
201928	Wildlife Corridor Utility Relocation - JPA - Offset	-50,000	-264,000	0	0	0	0	0	0	0	0	-314,000
	SUB-TOTAL PROJECTS WITH COST OFFSETS - OFFSETS	-\$50,000	-\$264,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$314,000
<b>PURE WATER PROJECT</b>												
10635	Pure Water Project	2,911,366	8,249,514	8,497,000	9,498,296	21,295,495	33,378,416	36,556,663	28,453,040	11,116,040	1,537,168	161,493,000
201911	Pure Water Project Grant Offset	-684,159	-2,017,758	0	0	0	0	0	0	0	0	-2,701,917
	SUB-TOTAL PURE WATER PROJECT	\$2,227,207	\$6,231,756	\$8,497,000	\$9,498,296	\$21,295,495	\$33,378,416	\$36,556,663	\$28,453,040	\$11,116,040	\$1,537,168	\$158,791,083

Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Location

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
<b>RANCHO/FARM</b>												
10668	Rancho Las Virgenes Storm Water Diversion Structure Replacement	30,000	117,600	0	0	0	0	0	0	0	0	147,600
10670	Centrate 24" Valve Replacement	289,000	0	0	0	0	0	0	0	0	0	289,000
10680	Rancho Las Virgenes Digester Cleaning and Repair	621,060	0	0	0	0	0	0	0	0	0	621,060
10693	Pavement Restoration Rancho	0	0	531,000	0	0	0	0	0	0	0	531,000
201862	Rancho Valving In Street Replacement	0	253,500	0	0	0	0	0	0	0	0	253,500
201907	Rancho Generator Study and Purchase	50,000	390,000	0	0	0	0	0	0	0	0	440,000
70019	Centrate Tank Inspection and Rehabilitation Assessment	10,000	0	0	0	0	0	0	0	0	0	10,000
80748	Rancho: Replace Agitators	0	0	555,000	555,000	0	0	0	0	0	0	1,110,000
	SUB-TOTAL RANCHO/FARM	\$1,000,060	\$761,100	\$1,086,000	\$555,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,402,160
<b>RECYCLED WATER</b>												
10629	Canyon Oaks Park RW Main Extension	555,000	0	0	0	0	0	0	0	0	0	555,000
10665	Cordillera Tank Rehab	1,456,282	0	0	0	0	0	0	0	0	0	1,456,282
10666	Calabasas Park Recycled Water Main Extension	10,000	528,000	0	0	0	0	0	0	0	0	538,000
201869	Recycled Water Tank Rehabilitation	0	0	627,584	0	0	1,496,831	0	0	0	0	2,124,415
	SUB-TOTAL RECYCLED WATER	\$2,021,282	\$528,000	\$627,584	\$0	\$0	\$1,496,831	\$0	\$0	\$0	\$0	\$4,673,697
<b>TAPIA</b>												
10567	Tapia Programmable Logic Controller Upgrades	69,696	0	0	0	0	0	0	0	0	0	69,696
10619	Summer Season TMDL Compliance	2,619,200	0	0	0	0	0	0	0	0	0	2,619,200
10661	A/B Bus Electrical Modification	100,000	0	0	0	0	0	0	0	0	0	100,000
10669	Develop Tour Seating Area at Tapia	116,000	0	0	0	0	0	0	0	0	0	116,000

Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Location

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
10702	Tapia Effluent Pump Station 4160 Volt Feeder Relocation	100,000	198,000	198,000	0	0	0	0	0	0	0	496,000
10703	Tapia Tertiary Filter Rehabilitation	0	79,200	0	0	0	0	0	0	0	0	79,200
201854	Tapia Influent Pump Replacement	0	396,000	0	0	0	0	0	0	0	0	396,000
201857	Tapia Hypochlorite Tank Replacement	193,200	0	0	0	0	0	0	0	0	0	193,200
201858	Tapia Secondary Clarifier Rehabilitation	281,000	0	0	0	0	0	0	0	0	0	281,000
201859	Tapia Effluent Meter Replacement	33,000	0	0	0	0	0	0	0	0	0	33,000
201860	Tapia Sludge Wet Well Re-circulation Piping Replacement	0	62,800	0	0	0	0	0	0	0	0	62,800
201861	Tapia Air Line Repair	0	50,000	330,000	0	0	0	0	0	0	0	380,000
201875	Tapia Gantry Crane	0	115,600	0	0	0	0	0	0	0	0	115,600
201904	Tapia Flow Equalization - Design/Construct	100,000	250,000	250,000	3,330,000	3,330,000	0	0	0	0	0	7,260,000
201906	Tapia HVAC Replacement	304,000	0	0	0	0	0	0	0	0	0	304,000
201912	Concrete Corrosion/Crack Repair - Tapia	66,000	66,000	66,000	0	0	0	0	0	0	0	198,000
201913	Tapia Effluent Pump Station Rehabilitation	0	0	0	5,522,500	0	0	0	0	0	0	5,522,500
201916	Control Building Improvements	0	0	2,220,000	2,220,000	0	0	0	0	0	0	4,440,000
201918	003 Discharge Point Rehabilitation	769,300	0	0	0	0	0	0	0	0	0	769,300
60030	Grit Chamber Mixing System Replacement	133,000	0	0	0	0	0	0	0	0	0	133,000
60031	New RAS Wet Well and Pumps	120,000	1,120,000	0	0	0	0	0	0	0	0	1,240,000
60032	Pavement Restoration Tapia	0	0	432,000	0	0	0	0	0	0	0	432,000
<b>SUB-TOTAL TAPIA</b>		<b>\$5,004,396</b>	<b>\$2,337,600</b>	<b>\$3,496,000</b>	<b>\$11,072,500</b>	<b>\$3,330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$25,240,496</b>
<b>WOOLSEY FIRE</b>												
10689	Rancho Fire Repair - Woolsey Fire	1,484,070	0	0	0	0	0	0	0	0	0	1,484,070
10692	JPA Facility Facilities Repair - Woolsey Fire	330,000	0	0	0	0	0	0	0	0	0	330,000
<b>SUB-TOTAL WOOLSEY FIRE</b>		<b>\$1,814,070</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,814,070</b>

Infrastructure Investment Plan  
Fiscal Year 2020/21 - Fiscal Year 2029/30

Projects by Location

Project Number	Title	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	10-Year Total
<b>WOOLSEY FIRE - REIMBURSEMENTS</b>												
201930	Rancho Fire Repair - Woolsey Fire - Reimbursement	-1,484,070	0	0	0	0	0	0	0	0	0	-1,484,070
201933	JPA Facility Facilities Repair - Woolsey Fire - Reimbursement	-330,000	0	0	0	0	0	0	0	0	0	-330,000
	<b>SUB-TOTAL WOOLSEY FIRE - REIMBURSEMENTS</b>	<b>\$-1,814,070</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$-1,814,070</b>
<b>TOTAL ALL PROJECTS</b>		<b>\$10,805,695</b>	<b>\$10,461,206</b>	<b>\$14,655,334</b>	<b>\$21,983,796</b>	<b>\$25,153,495</b>	<b>\$35,403,247</b>	<b>\$37,084,663</b>	<b>\$28,981,040</b>	<b>\$11,644,040</b>	<b>\$2,065,168</b>	<b>\$198,237,685</b>

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### Section 3

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**SCADA System Communication Upgrades**

99906

<b>Job Number:</b> 10520 <b>Responsible Division:</b> Information Technology <b>FY Originated:</b> FY12-13	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**  
Innovative and Efficient Operations

**Key Standard:**  
Invest in Efficiency Improvements

**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.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding		\$50,000				\$50,000	
Construction			\$300,000	\$250,000		\$550,000	
Labor and G&A Expense			\$96,000	\$80,000		\$176,000	
<b>TOTALS</b>	\$0	\$50,000	\$396,000	\$330,000	\$0	\$776,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$776,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$93,100
Project Expense (through 6/30/2019):	\$32,447
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
<b>Total Project Through 6/30/2020:</b>	<b>\$32,447</b>
Anticipated Carryover:	\$60,653
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$808,447</b>
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**Basis for Project Cost Estimate:**

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

% 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 Programmable Logic Controller Upgrades

99936

<b>Job Number:</b> 10567 <b>Responsible Division:</b> Information Technology <b>FY Originated:</b> FY13-14	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> On-Hold
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**Business Value:**  
Innovative and Efficient Operations

**Key Standard:**  
Invest in Efficiency Improvements

**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 two years and centrate treatment in the third year. Design will occur in the first year for all facilities.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$52,800					\$52,800	
Labor and G&A Expense	\$16,896					\$16,896	
<b>TOTALS</b>	<b>\$69,696</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$69,696</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$69,696</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$1,311,560
Project Expense (through 6/30/2019):	\$107,455
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$29,210
<b>Total Project Through 6/30/2020:</b>	<b>\$136,665</b>
Anticipated Carryover:	\$1,174,895
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

**TOTAL ESTIMATED PROJECT COST:**  
**\$206,361**

**Basis for Project Cost Estimate:**

Cannon Corporation PLC evaluation & Wunderlich - Malec evaluation.

% 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%

**Summer Season TMDL Compliance**

60048

<p><b>Job Number:</b> 10619</p> <p><b>Responsible Division:</b> Technical Services</p> <p><b>FY Originated:</b> FY 16-17</p>	<p><b>Priority:</b> 1</p> <p><b>Program:</b> No</p> <p><b>Project Status:</b> Ongoing</p>
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**Business Value:**

Protection of Public Health and Environment

**Key Standard:**

Meet or Exceed Environmental Regulations

**Scope of Work:**

In February 2017 the SWRCB adopted the Implementation Plan for the 2013 TMDL. The plan provides for compliance with summer time limits within five years. The options for compliance include a "side stream" treatment plant, the use of potable water and nutrient trading in the watershed. This CIP funds the selection, preliminary studies, outreach, CEQA analysis, preliminary design and final design for summer time compliance. Project 10611 (Duct Bank Infrastructure Upgrade) was added to this program for the FY19-20 planning period. Construction of a 1 MGD "side stream" treatment facility at Tapia to treat potable water for stream flow augmentation. Project is currently in 80% final design.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning	\$55,000					\$55,000	
Land Acquisition							
Design	\$100,000					\$100,000	
Bidding							
Construction	\$2,220,000					\$2,220,000	
Labor and G&A Expense	\$244,200					\$244,200	
<b>TOTALS</b>	<b>\$2,619,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,619,200</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,619,200</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$1,449,985
Project Expense (through 6/30/2019):	\$178,175
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$140,000
Total Project Through 6/30/2020:	<b>\$318,175</b>
Anticipated Carryover:	\$1,131,810
<b>FY 20-21 Appropriation Request:</b>	<b>\$1,487,390</b>

<p><b>TOTAL ESTIMATED PROJECT COST:</b></p> <p><b>\$2,937,375</b></p>
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**Basis for Project Cost Estimate:**

Cost estimate based upon 2018 Preliminary Design Report completed by Stantec.

% 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%

**Canyon Oaks Park RW Main Extension**

10602

<b>Job Number:</b> 10629 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 16-17	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**

Maximum Reuse and Resource Recovery

**Key Standard:**

Maximize Beneficial Use of Recycled Water

**Scope of Work:**

Extension to serve the City of Westlake Village's Oak Canyon Park and eliminate a long private service line to Yerba Buena School. Funding from Prop 84 IRWM 2015.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$500,000					\$500,000	
Labor and G&A Expense	\$55,000					\$55,000	
<b>TOTALS</b>	<b>\$555,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$555,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$555,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$399,780
Project Expense (through 6/30/2019):	\$7,451
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
<b>Total Project Through 6/30/2020:</b>	<b>\$7,451</b>
Anticipated Carryover:	\$392,329
<b>FY 20-21 Appropriation Request:</b>	<b>\$162,671</b>

**TOTAL ESTIMATED PROJECT COST:**  
**\$562,451**

**Basis for Project Cost Estimate:**

Based on opinion of probable cost (Cannon Corporation 3/15/2018). There is potential for grant funding (proposition 84) to partially offset project cost.

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

**Pure Water Project**

<b>Job Number:</b> 10635 <b>Responsible Division:</b> Pure Water <b>FY Originated:</b> FY17-18	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**

Maximum Reuse and Resource Recovery

**Key Standard:**

Maximize Beneficial Use of Recycled Water

**Scope of Work:**

This project funds preliminary studies, outreach, CEQA analysis, preliminary design and final design.

The 2018 project cost estimate (\$121M) was updated using an annual inflationary factor of 3%.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$1,693,091	\$6,448,485	\$6,641,939			\$14,783,515	
Bidding							
Construction	\$1,097,545	\$1,622,549	\$1,671,226	\$8,960,657	\$20,090,090	\$33,442,067	
Labor and G&A Expense	\$120,730	\$178,480	\$183,835	\$537,639	\$1,205,405	\$2,226,090	
<b>TOTALS</b>	<b>\$2,911,366</b>	<b>\$8,249,514</b>	<b>\$8,497,000</b>	<b>\$9,498,296</b>	<b>\$21,295,495</b>	<b>\$50,451,672</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$31,489,072	\$34,487,418	\$26,842,491	\$10,486,830	\$1,432,047	\$104,737,858	
Labor and G&A Expense	\$1,889,344	\$2,069,245	\$1,610,549	\$629,210	\$105,121	\$6,303,470	
<b>TOTALS</b>	<b>\$33,378,416</b>	<b>\$36,556,663</b>	<b>\$28,453,040</b>	<b>\$11,116,040</b>	<b>\$1,537,168</b>	<b>\$111,041,328</b>	<b>\$161,493,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$3,456,482
Project Expense (through 6/30/2019):	\$148,654
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$500,000
Total Project Through 6/30/2020:	<b>\$648,654</b>
Anticipated Carryover:	\$2,807,828
<b>FY 20-21 Appropriation Request:</b>	<b>\$103,538</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$162,141,654</b>
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**Basis for Project Cost Estimate:**

- Title XVI Study: \$121M project cost assuming site on Agoura Road (not including \$2.1M for land).
- \$150K in grant revenue received FY18-19 from Bureau of Reclamation for Title XVI Study.

% 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**

<b>Job Number:</b> 10661 <b>Responsible Division:</b> Electrical / Instrumentation <b>FY Originated:</b> FY 15-16	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Innovative and Efficient Operations

**Key Standard:**  
Invest in Efficiency Improvements

**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.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$85,000					\$85,000	
Labor and G&A Expense	\$15,000					\$15,000	
<b>TOTALS</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$100,000
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$100,000
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$100,000</b>
--

**Basis for Project Cost Estimate:**

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

% 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%

**Cordillera Tank Rehab**

<b>Job Number:</b> 10665 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY17-18	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Complete
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Rehabilitation of Cordillera Tank including interior and exterior coating, valve and appurtenance upgrades and replacements, restoration of deteriorated asphalt, and work to ensure up-to-date compliance for safety and water quality equipment.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$14,775					\$14,775	
Bidding							
Construction	\$1,298,655					\$1,298,655	
Labor and G&A Expense	\$142,852					\$142,852	
<b>TOTALS</b>	<b>\$1,456,282</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,456,282</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,456,282</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$1,201,267
Project Expense (through 6/30/2019):	\$39,879
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
<b>Total Project Through 6/30/2020:</b>	<b>\$39,879</b>
Anticipated Carryover:	\$1,161,388
<b>FY 20-21 Appropriation Request:</b>	<b>\$294,894</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$1,496,161</b>
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**Basis for Project Cost Estimate:**

% 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%

### Calabasas Park Recycled Water Main Extension

<b>Job Number:</b> 10666 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY17-18	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**

Maximum Reuse and Resource Recovery

**Key Standard:**

Maximize Beneficial Use of Recycled Water

**Scope of Work:**

Install approximately 1,200 linear feet of 6-8 inch pipeline to loop the existing recycled water system.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$10,000					\$10,000	
Bidding							
Construction		\$400,000				\$400,000	
Labor and G&A Expense		\$128,000				\$128,000	
<b>TOTALS</b>	<b>\$10,000</b>	<b>\$528,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$538,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$538,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$320,000
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$100,000
<b>Total Project Through 6/30/2020:</b>	<b>\$100,000</b>
Anticipated Carryover:	\$220,000
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST: \$638,000</b>
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**Basis for Project Cost Estimate:**

% 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 Storm Water Diversion Structure Replacement

<b>Job Number:</b> 10668 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY17-18	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**  
Protection of Public Health and Environment

**Key Standard:**  
Meet or Exceed Environmental Regulations

**Scope of Work:**

Replacement of two storm water diversion structures at the Rancho Las Virgenes Composting Facility. Structures have lifted and need to be addressed.

The drainage from the V-ditch goes to a discharge point in Las Virgenes Creek. There is a concern that sludge and/or reclaimed water entering into the V-ditch could enter the creek via the drainage from the V-ditch. An Open/Close valve should be installed at the drainage area so that operators control the contents of the V-ditch. A sump pump system with discharge piping should also be included so that the contents can be pumped either to the field of offsite.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning	\$30,000					\$30,000	
Land Acquisition							
Design		\$10,000				\$10,000	
Bidding		\$2,000				\$2,000	
Construction		\$80,000				\$80,000	
Labor and G&A Expense		\$25,600				\$25,600	
<b>TOTALS</b>	<b>\$30,000</b>	<b>\$117,600</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$147,600</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$147,600</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$41,767
Project Expense (through 6/30/2019):	\$3,746
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
<b>Total Project Through 6/30/2020:</b>	<b>\$3,746</b>
Anticipated Carryover:	\$38,021
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

**TOTAL ESTIMATED PROJECT COST:**  
**\$151,346**

**Basis for Project Cost Estimate:**

Engineer's estimate, 2019.

% 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%

### Develop Tour Seating Area at Tapia

<b>Job Number:</b> 10669 <b>Responsible Division:</b> Engineering & External <b>FY Originated:</b> FY17-18	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**

Protection of Public Health and Environment

**Key Standard:**

Effective Watershed Leader and Environmental Steward

**Scope of Work:**

Develop tour seating area and climate appropriate landscaping at Tapia adjacent to the control building.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding	\$5,000					\$5,000	
Construction	\$100,000					\$100,000	
Labor and G&A Expense	\$11,000					\$11,000	
<b>TOTALS</b>	<b>\$116,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$116,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$116,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$25,000
Project Expense (through 6/30/2019):	\$14,035
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
<b>Total Project Through 6/30/2020:</b>	<b>\$14,035</b>
Anticipated Carryover:	\$10,965
<b>FY 20-21 Appropriation Request:</b>	<b>\$105,035</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$130,035</b>
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**Basis for Project Cost Estimate:**

% 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 24" Valve Replacement

<b>Job Number:</b> 10670 <b>Responsible Division:</b> Facilities Maintenance <b>FY Originated:</b> FY17-18	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
Replace two (2) buried 24-inch Miliken valves at the centrate facility.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$25,000					\$25,000	
Bidding							
Construction	\$200,000					\$200,000	
Labor and G&A Expense	\$64,000					\$64,000	
<b>TOTALS</b>	<b>\$289,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$289,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$289,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$264,000
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$264,000
<b>FY 20-21 Appropriation Request:</b>	<b>\$25,000</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$289,000</b>
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**Basis for Project Cost Estimate:**

% 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

<b>Job Number:</b> 10680 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY17-18	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Ongoing
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Rehabilitation and repair of Digester No. 2 at Rancho Compost Facility.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$470,500					\$470,500	
Labor and G&A Expense	\$150,560					\$150,560	
<b>TOTALS</b>	<b>\$621,060</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$621,060</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$621,060</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$2,107,776
Project Expense (through 6/30/2019):	\$438,305
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$1,797,123
Total Project Through 6/30/2020:	<b>\$2,235,428</b>
Anticipated Carryover:	-\$127,652
<b>FY 20-21 Appropriation Request:</b>	<b>\$748,712</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$2,856,488</b>
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**Basis for Project Cost Estimate:**

Construction cost is based on lowest responsible bidder.

% 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 Fire Repair - Woolsey Fire

<b>Job Number:</b> 10689 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Repair compost and cure building, fire damaged windows and roofing, mechanical equipment, irrigation system, electrical, architectural facade, biofilter and other damaged items.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$1,337,000					\$1,337,000	
Labor and G&A Expense	\$147,070					\$147,070	
<b>TOTALS</b>	<b>\$1,484,070</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,484,070</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,484,070</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$1,989,455
Project Expense (through 6/30/2019):	\$2,943
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$680,042
<b>Total Project Through 6/30/2020:</b>	<b>\$682,985</b>
Anticipated Carryover:	\$1,306,470
<b>FY 20-21 Appropriation Request:</b>	<b>\$177,600</b>

<b>TOTAL ESTIMATED PROJECT COST: \$2,167,055</b>
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**Basis for Project Cost Estimate:**

% 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%

**JPA Facility Facilities Repair - Woolsey Fire**

70030

<p><b>Job Number:</b> 10692  <b>Responsible Division:</b> Technical Services  <b>FY Originated:</b> FY18-19</p>	<p><b>Priority:</b> 2  <b>Program:</b> No  <b>Project Status:</b> Proposed</p>
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Repair JPA owned fire damaged facilities, property and equipment. Damage include irrigation systems at Rancho Compost Facility and Reservoir 2. Budget for design under CIP# 10691.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$250,000					\$250,000	
Labor and G&A Expense	\$80,000					\$80,000	
<b>TOTALS</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$330,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$330,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$878,612
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$3,864
Total Project Through 6/30/2020:	<b>\$3,864</b>
Anticipated Carryover:	\$874,748
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<p><b>TOTAL ESTIMATED PROJECT COST:</b>  <b>\$333,864</b></p>
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**Basis for Project Cost Estimate:**

% 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%

**Pavement Restoration Rancho**

60033

<b>Job Number:</b> 10693 <b>Responsible Division:</b> Water Reclamation <b>FY Originated:</b> FY 16-17	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
 Sound Planning and Appropriate Investment

**Key Standard:**  
 Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Pavement restoration/slurry seal at Rancho. This project needs to occur after project No.'s 10668 (Storm water Structure Repair) and 201862 (Rancho Valving Repairs).

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design			\$2,000			\$2,000	
Bidding			\$1,000			\$1,000	
Construction			\$400,000			\$400,000	
Labor and G&A Expense			\$128,000			\$128,000	
<b>TOTALS</b>	\$0	\$0	\$531,000	\$0	\$0	\$531,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$531,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$533,320
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$533,320
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$531,000</b>
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**Basis for Project Cost Estimate:**

Staff estimate.

% 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 Effluent Pump Station 4160 Volt Feeder Relocation**

201808

<b>Job Number:</b> 10702 <b>Responsible Division:</b> Electrical / Instrumentation <b>FY Originated:</b> FY17-18	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Protection of Public Health and Environment

**Key Standard:**  
Safe and Reliable Wastewater Services

**Scope of Work:**

Remove or abandon in place existing 4160 volt feeders currently suspended from the top slab of the Effluent Pump Station wet well, underneath the existing MCCs. Perform electrical design and replace the overhead 4160 volt feeders. Ensure coordination with 480 volt switch gear improvements.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$85,000	\$150,000	\$150,000			\$385,000	
Labor and G&A Expense	\$15,000	\$48,000	\$48,000			\$111,000	
<b>TOTALS</b>	<b>\$100,000</b>	<b>\$198,000</b>	<b>\$198,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$496,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$496,000</b>

**Appropriations & Expenditures:**

Approved Appropriation: \$100,000  
 Project Expense (through 6/30/2019): \$0  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020): \$0  
 Total Project Through 6/30/2020: \$0  
 Anticipated Carryover: \$100,000  
 FY 20-21 Appropriation Request: \$0

**TOTAL ESTIMATED PROJECT COST:**  
**\$496,000**

**Basis for Project Cost Estimate:**

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



### Tapia Tertiary Filter Rehabilitation

201810

<b>Job Number:</b> 10703 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY17-18	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Protection of Public Health and Environment

**Key Standard:**  
Safe and Reliable Wastewater Services

**Scope of Work:**

Tertiary Filters concrete rehabilitation. Approximately 25 locations that require a 1 square foot patching with rebar repair. Replace 45 metal plates (2' X 4') on the filter deck and fix concrete around the plates with proper joint sealer. Also include the repair of an electrical panel in the Filter gallery. Replace existing electric actuators at filter structure with new electric actuators. Program plant control system to function with both remote PLC control of actuators and local actuator control. Upgrade local controls to replace old filter annunciator panels which are currently located on the top deck of the filter structure.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction		\$60,000				\$60,000	
Labor and G&A Expense		\$19,200				\$19,200	
<b>TOTALS</b>	\$0	\$79,200	\$0	\$0	\$0	\$79,200	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$79,200</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$60,000
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$60,000
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

**TOTAL ESTIMATED PROJECT COST:**  
**\$79,200**

**Basis for Project Cost Estimate:**

Cost estimate based on 2018 KEH report.

% 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 Reliability Improvements

<b>Job Number:</b> 201839 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> Yes <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

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

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
Labor and G&A Expense	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$160,000	
<b>TOTALS</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$660,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
Labor and G&A Expense	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$160,000	
<b>TOTALS</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$660,000</b>	<b>\$1,320,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:

Project Expense (through 6/30/2019):

Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):

Total Project Through 6/30/2020:

Anticipated Carryover:

**FY 20-21 Appropriation Request:**

**\$132,000**

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$1,320,000</b>
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**Basis for Project Cost Estimate:**

% 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 Water Reclamation Facility Improvements

<b>Job Number:</b> 201840 <b>Responsible Division:</b> Water Reclamation <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> Yes <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

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

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
Labor and G&A Expense	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$160,000	
<b>TOTALS</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$660,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
Labor and G&A Expense	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$160,000	
<b>TOTALS</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$660,000</b>	<b>\$1,320,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$132,000</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$1,320,000</b>
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**Basis for Project Cost Estimate:**

% 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 Influent Pump Replacement

<b>Job Number:</b> 201854 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Replacement of two (2) influent pumps with dry pit submersible pumps. Dry pit submersible pumps will improve staff's ability to maintain and improve staff safety when performing maintenance.

This project was identified in the 2017 Carollo study.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction		\$300,000				\$300,000	
Labor and G&A Expense		\$96,000				\$96,000	
<b>TOTALS</b>	<b>\$0</b>	<b>\$396,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$396,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$396,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$396,000</b>
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**Basis for Project Cost Estimate:**

Maintenance estimate pending Technical Services review.

% 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 Hypochlorite Tank Replacement

<b>Job Number:</b> 201857 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Replace the three fiberglass sodium hypochlorite tanks at Tapia. They are over 20 years old and beyond their expected life span. Leaks have been frequently developing and repairs are costly and difficult.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$15,000					\$15,000	
Bidding							
Construction	\$135,000					\$135,000	
Labor and G&A Expense	\$43,200					\$43,200	
<b>TOTALS</b>	<b>\$193,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$193,200</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$193,200</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$193,200</b>

<b>TOTAL ESTIMATED PROJECT COST: \$193,200</b>
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**Basis for Project Cost Estimate:**

% 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 Secondary Clarifier Rehabilitation

<b>Job Number:</b> 201858 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Repair the secondary clarifiers. The current launders are leaking and need to have the wall seal repaired. Replacement on the inlet diffusers and skimming tubes is also necessary as they are corroded and leaking. Re-caulking the expansion joints and structural repairs to catwalks are needed as they are separating from the wall.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$15,000					\$15,000	
Bidding	\$2,000					\$2,000	
Construction	\$200,000					\$200,000	
Labor and G&A Expense	\$64,000					\$64,000	
<b>TOTALS</b>	<b>\$281,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$281,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$281,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$281,000</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$281,000</b>
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**Basis for Project Cost Estimate:**

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

### Tapia Effluent Meter Replacement

<b>Job Number:</b> 201859 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

With the summertime compliance project being constructed next year, the 001 out fall meter will be removed. Additionally, the Tapia groundwater meter has aged out and the 003 meter needs to be replaced. These meters are regulatory required. This project replaces the 001, 003 and the Tapia groundwater effluent meters.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$25,000					\$25,000	
Labor and G&A Expense	\$8,000					\$8,000	
<b>TOTALS</b>	<b>\$33,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$33,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$33,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$33,000</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$33,000</b>
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**Basis for Project Cost Estimate:**

% 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 Sludge Wet Well Re-circulation Piping Replacement

<b>Job Number:</b> 201860 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

The re-circulation (mixing) piping at the Tapia sludge wet wells is corroded and develops leaks. This project replaces this piping.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design		\$10,000				\$10,000	
Bidding							
Construction		\$40,000				\$40,000	
Labor and G&A Expense		\$12,800				\$12,800	
<b>TOTALS</b>	\$0	\$62,800	\$0	\$0	\$0	\$62,800	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$62,800

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$62,800</b>
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**Basis for Project Cost Estimate:**

% 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 Air Line Repair

<b>Job Number:</b> 201861 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

The air line which conveys compressed air to the treatment process has leaks which not only allow air to escape, but also allow contaminants to enter into the pipeline and potentially the air diffusers. A large portion of this line was repaired, however a section of the pipeline was not addressed. This section needs to be addressed to stop leakage and protect the diffuser membranes.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design		\$50,000				\$50,000	
Bidding							
Construction			\$250,000			\$250,000	
Labor and G&A Expense			\$80,000			\$80,000	
<b>TOTALS</b>	\$0	\$50,000	\$330,000	\$0	\$0	\$380,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$380,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$380,000</b>
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**Basis for Project Cost Estimate:**

% 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 Valving In Street Replacement

<b>Job Number:</b> 201862 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Replace the broken or damaged R.E.W. and Potable Water valving throughout the facility.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design		\$20,000				\$20,000	
Bidding		\$2,500				\$2,500	
Construction		\$175,000				\$175,000	
Labor and G&A Expense		\$56,000				\$56,000	
<b>TOTALS</b>	\$0	\$253,500	\$0	\$0	\$0	\$253,500	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$253,500</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST: \$253,500</b>
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**Basis for Project Cost Estimate:**

% 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%

**Multi Site Security Assessment and Improvement - JPA**

<b>Job Number:</b> 201866 <b>Responsible Division:</b> Information Technology <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Innovative and Efficient Operations

**Key Standard:**  
Invest in Efficiency Improvements

**Scope of Work:**

Security assessment of various District sites and facilities. This will include access control and security camera installations and improvements.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$18,750	\$18,750	\$18,750			\$56,250	
Labor and G&A Expense	\$6,000	\$6,000	\$6,000			\$18,000	
<b>TOTALS</b>	<b>\$24,750</b>	<b>\$24,750</b>	<b>\$24,750</b>	<b>\$0</b>	<b>\$0</b>	<b>\$74,250</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$74,250</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$26,000
Total Project Through 6/30/2020:	<b>\$26,000</b>
Anticipated Carryover:	-\$26,000
<b>FY 20-21 Appropriation Request:</b>	<b>\$50,750</b>

<b>TOTAL ESTIMATED PROJECT COST: \$100,250</b>
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**Basis for Project Cost Estimate:**

% 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 Tank Rehabilitation

<b>Job Number:</b> 201869 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
FY 22-23: Parkway Tank  
FY 25-26: Indian Hills

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning			\$75			\$75	
Land Acquisition							
Design			\$32,782			\$32,782	
Bidding							
Construction			\$535,790			\$535,790	
Labor and G&A Expense			\$58,937			\$58,937	
<b>TOTALS</b>	\$0	\$0	\$627,584	\$0	\$0	\$627,584	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design	\$35,822					\$35,822	
Bidding							
Construction	\$1,316,224					\$1,316,224	
Labor and G&A Expense	\$144,785					\$144,785	
<b>TOTALS</b>	\$1,496,831	\$0	\$0	\$0	\$0	\$1,496,831	<b>\$2,124,415</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST: \$2,124,415</b>
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**Basis for Project Cost Estimate:**

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

**Tapia Gantry Crane**

<b>Job Number:</b> 201875 <b>Responsible Division:</b> Water Reclamation <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
Design, build and construct gantry crane for future maintenance of aeration basin diffusers.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design		\$10,000				\$10,000	
Bidding							
Construction		\$80,000				\$80,000	
Labor and G&A Expense		\$25,600				\$25,600	
<b>TOTALS</b>	\$0	\$115,600	\$0	\$0	\$0	\$115,600	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$115,600</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$115,600</b>
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**Basis for Project Cost Estimate:**

% 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%

**Wildlife Corridor Utility Relocation - JPA Recycled Water**

<b>Job Number:</b> 201901 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Protection of Public Health and Environment

**Key Standard:**

Effective Watershed Leader and Environmental Steward

**Scope of Work:**

Relocation of JPA 24-inch recycled water line (approximately 350 linear feet).

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$50,000					\$50,000	
Bidding							
Construction		\$200,000				\$200,000	
Labor and G&A Expense		\$64,000				\$64,000	
<b>TOTALS</b>	\$50,000	\$264,000	\$0	\$0	\$0	\$314,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$314,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	\$0
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$50,000</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$314,000</b>
--

**Basis for Project Cost Estimate:**

% 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 Flow Equalization - Design/Construct**

<b>Job Number:</b> 201904 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Maximum Reuse and Resource Recovery

**Key Standard:**  
Maximize Beneficial Use of Recycled Water

**Scope of Work:**

This project consists of the development of a preliminary design report to evaluate the storage and conveyance of Tapia primary effluent to help store and equalize the diurnal peak flows that Tapia sees between dry and wet weather events. This maximizes effluent available for the AWT and also improves and provides consistent water quality for the feed water to the AWT.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning	\$100,000					\$100,000	
Land Acquisition							
Design		\$250,000	\$250,000			\$500,000	
Bidding							
Construction				\$3,000,000	\$3,000,000	\$6,000,000	
Labor and G&A Expense				\$330,000	\$330,000	\$660,000	
<b>TOTALS</b>	<b>\$100,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$3,330,000</b>	<b>\$3,330,000</b>	<b>\$7,260,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,260,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	\$0
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$100,000</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$7,260,000</b>
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**Basis for Project Cost Estimate:**

% 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 HVAC Replacement

<b>Job Number:</b> 201906 <b>Responsible Division:</b> Facilities Maintenance <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
Replace existing 40-year old HVAC at Tapia.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$40,000					\$40,000	
Bidding							
Construction	\$200,000					\$200,000	
Labor and G&A Expense	\$64,000					\$64,000	
<b>TOTALS</b>	<b>\$304,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$304,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$304,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	\$0
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	<b>\$0</b>
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$304,000</b>

<b>TOTAL ESTIMATED PROJECT COST: \$304,000</b>
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**Basis for Project Cost Estimate:**

% 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 Generator Study and Purchase**

<b>Job Number:</b> 201907 <b>Responsible Division:</b> Facilities Maintenance <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
Commission study/design of backup generator requirements followed by purchase and installation of recommended equipment.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$50,000					\$50,000	
Bidding							
Construction		\$350,000				\$350,000	
Labor and G&A Expense		\$40,000				\$40,000	
<b>TOTALS</b>	\$50,000	\$390,000	\$0	\$0	\$0	\$440,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$440,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019): \$0  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020): \$0  
 Total Project Through 6/30/2020: \$0  
 Anticipated Carryover: \$0  
**FY 20-21 Appropriation Request: \$50,000**

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$440,000</b>
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**Basis for Project Cost Estimate:**

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

**Pure Water Project Grant Offset**

<b>Job Number:</b> 201911 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Recognizes grant income for the Pure Water project (No. 10635). Anticipates 25% of cost of FY 20-21 and FY 21-22 project costs will be offset by grants.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	-\$684,159	-\$2,017,758				-\$2,701,917	
Labor and G&A Expense							
<b>TOTALS</b>	<b>-\$684,159</b>	<b>-\$2,017,758</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$2,701,917</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$2,701,917</b>

**Appropriations & Expenditures:**

Approved Appropriation:

Project Expense (through 6/30/2019):

Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):

Total Project Through 6/30/2020:

Anticipated Carryover:

**FY 20-21 Appropriation Request:**

**\$0**

**TOTAL ESTIMATED  
PROJECT COST:**

**-\$2,701,917**

**Basis for Project Cost Estimate:**

% 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%

**Concrete Corrosion/Crack Repair - Tapia**

<b>Job Number:</b> 201912 <b>Responsible Division:</b> Facilities & Operations <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$50,000	\$50,000	\$50,000			\$150,000	
Labor and G&A Expense	\$16,000	\$16,000	\$16,000			\$48,000	
<b>TOTALS</b>	<b>\$66,000</b>	<b>\$66,000</b>	<b>\$66,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$198,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$198,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019):  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):  
 Total Project Through 6/30/2020:  
 Anticipated Carryover:

<b>TOTAL ESTIMATED PROJECT COST: \$198,000</b>
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**FY 20-21 Appropriation Request: \$66,000**

**Basis for Project Cost Estimate:**

% 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 Effluent Pump Station Rehabilitation

<b>Job Number:</b> 201913 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FH 19-20	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

#### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design				\$250,000		\$250,000	
Bidding							
Construction				\$4,750,000		\$4,750,000	
Labor and G&A Expense				\$522,500		\$522,500	
<b>TOTALS</b>	\$0	\$0	\$0	\$5,522,500	\$0	\$5,522,500	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$5,522,500</b>

**Appropriations & Expenditures:**

Approved Appropriation:

Project Expense (through 6/30/2019):

Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):

Total Project Through 6/30/2020:

Anticipated Carryover:

**FY 20-21 Appropriation Request:**

**\$0**

<b>TOTAL ESTIMATED PROJECT COST: \$5,522,500</b>
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**Basis for Project Cost Estimate:**

% 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%

**Fire Hardening - JPA Facilities**

<b>Job Number:</b> 201915 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> Yes <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	
Labor and G&A Expense	\$64,000	\$64,000	\$64,000	\$64,000	\$64,000	\$320,000	
<b>TOTALS</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$1,320,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	
Labor and G&A Expense	\$64,000	\$64,000	\$64,000	\$64,000	\$64,000	\$320,000	
<b>TOTALS</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$1,320,000</b>	<b>\$2,640,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019):  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):  
 Total Project Through 6/30/2020:  
 Anticipated Carryover:

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$2,640,000</b>
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**FY 20-21 Appropriation Request: \$264,000**

**Basis for Project Cost Estimate:**

% 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 Control Building Improvements

<b>Job Number:</b> 201916 <b>Responsible Division:</b> Water Reclamation <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
 Sound Planning and Appropriate Investment

**Key Standard:**  
 Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
 The control building at Tapia is aging is in need of significant repairs, remodeling and other improvements.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction			\$2,000,000	\$2,000,000		\$4,000,000	
Labor and G&A Expense			\$220,000	\$220,000		\$440,000	
<b>TOTALS</b>	\$0	\$0	\$2,220,000	\$2,220,000	\$0	\$4,440,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$4,440,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019):  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):  
 Total Project Through 6/30/2020:  
 Anticipated Carryover:  
 FY 20-21 Appropriation Request: \$0

**TOTAL ESTIMATED  
 PROJECT COST:  
 \$4,440,000**

**Basis for Project Cost Estimate:**

% 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%

### 003 Discharge Point Rehabilitation

<b>Job Number:</b> 201918 <b>Responsible Division:</b> Water Reclamation <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 1 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Evaluate and repair failed 003 Discharge point pipeline (into Malibu Creek). Contract for inspection, an engineering study and a design report to determine the most cost effective means to repair failed 24" potable water pipeline from the Tapia Water Reclamation Facility to Malibu Creek. The pipeline will be used to supply potable supplement to the Malibu Creek during low flow periods.

Approximately one (1) mile of pipeline needs to be inspected.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning	\$70,000					\$70,000	
Land Acquisition							
Design							
Bidding							
Construction	\$630,000					\$630,000	
Labor and G&A Expense	\$69,300					\$69,300	
<b>TOTALS</b>	<b>\$769,300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$769,300</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$769,300</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019):  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):  
 Total Project Through 6/30/2020:  
 Anticipated Carryover:  
**FY 20-21 Appropriation Request: \$769,300**

**TOTAL ESTIMATED PROJECT COST:**  
**\$769,300**

**Basis for Project Cost Estimate:**

% 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%

**Wildlife Corridor Utility Relocation - JPA - Offset**

<b>Job Number:</b> 201928 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	-\$50,000					-\$50,000	
Bidding							
Construction		-\$200,000				-\$200,000	
Labor and G&A Expense		-\$64,000				-\$64,000	
<b>TOTALS</b>	<b>-\$50,000</b>	<b>-\$264,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$314,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$314,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:

Project Expense (through 6/30/2019):

Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):

Total Project Through 6/30/2020:

Anticipated Carryover:

**FY 20-21 Appropriation Request:**

**\$0**

<b>TOTAL ESTIMATED PROJECT COST: -\$314,000</b>
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**Basis for Project Cost Estimate:**

% 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 Fire Repair - Woolsey Fire - Reimbursement

<b>Job Number:</b> 201930 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
--	---

**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

#### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	-\$1,337,000					-\$1,337,000	
Labor and G&A Expense	-\$147,070					-\$147,070	
<b>TOTALS</b>	<b>-\$1,484,070</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$1,484,070</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$1,484,070</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019):  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):  
 Total Project Through 6/30/2020:  
 Anticipated Carryover:

**TOTAL ESTIMATED  
PROJECT COST:  
-\$1,484,070**

**FY 20-21 Appropriation Request:** **\$0**

**Basis for Project Cost Estimate:**

% 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%

### JPA Facility Facilities Repair - Woolsey Fire - Reimbursement

<b>Job Number:</b> 201933 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 19-20	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
--	---

**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**

#### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction	-\$250,000					-\$250,000	
Labor and G&A Expense	-\$80,000					-\$80,000	
<b>TOTALS</b>	<b>-\$330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$330,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$330,000</b>

#### Appropriations & Expenditures:

Approved Appropriation:  
 Project Expense (through 6/30/2019):  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):  
 Total Project Through 6/30/2020:  
 Anticipated Carryover:  
**FY 20-21 Appropriation Request:**

**\$0**

**TOTAL ESTIMATED PROJECT COST:**  
**-\$330,000**

#### Basis for Project Cost Estimate:

% 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%

### Grit Chamber Mixing System Replacement

<b>Job Number:</b> 60030 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 16-17	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
Sound Planning and Appropriate Investment

**Key Standard:**  
Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
Replace grit chamber mixing system with a more efficient mixing system.

#### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding	\$1,000					\$1,000	
Construction	\$100,000					\$100,000	
Labor and G&A Expense	\$32,000					\$32,000	
<b>TOTALS</b>	<b>\$133,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$133,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$133,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019): \$0  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020): \$0  
 Total Project Through 6/30/2020: \$0  
 Anticipated Carryover: \$0  
**FY 20-21 Appropriation Request: \$133,000**

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$133,000</b>
--

**Basis for Project Cost Estimate:**

Cost estimate based upon 2018 KEH report.

% 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%

### New RAS Wet Well and Pumps

<b>Job Number:</b> 60031 <b>Responsible Division:</b> Facilities & Operations <b>FY Originated:</b> FY 16-17	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Replace RAS wet well and pumps to increase pumping capacity and reliability.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design	\$120,000					\$120,000	
Bidding		\$10,000				\$10,000	
Construction		\$1,000,000				\$1,000,000	
Labor and G&A Expense		\$110,000				\$110,000	
<b>TOTALS</b>	\$120,000	\$1,120,000	\$0	\$0	\$0	\$1,240,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,240,000

**Appropriations & Expenditures:**

Approved Appropriation:

Project Expense (through 6/30/2019):

\$0

Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):

\$0

Total Project Through 6/30/2020:

\$0

Anticipated Carryover:

\$0

**FY 20-21 Appropriation Request:**

**\$120,000**

<b>TOTAL ESTIMATED PROJECT COST: \$1,240,000</b>
--

**Basis for Project Cost Estimate:**

Cost estimate based upon 2018 KEH report.

% 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%

**Pavement Restoration Tapia**

<b>Job Number:</b> 60032 <b>Responsible Division:</b> Technical Services <b>FY Originated:</b> FY 16-17	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

**Key Standard:**

**Scope of Work:**

Pavement restoration/slurry seal at Tapia.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding			\$3,000			\$3,000	
Construction			\$325,000			\$325,000	
Labor and G&A Expense			\$104,000			\$104,000	
<b>TOTALS</b>	\$0	\$0	\$432,000	\$0	\$0	\$432,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$432,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:	
Project Expense (through 6/30/2019):	\$0
Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):	\$0
Total Project Through 6/30/2020:	\$0
Anticipated Carryover:	\$0
<b>FY 20-21 Appropriation Request:</b>	<b>\$0</b>

<b>TOTAL ESTIMATED PROJECT COST:</b> <b>\$432,000</b>
--

**Basis for Project Cost Estimate:**

Staff estimate.

% 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 Tank Inspection and Rehabilitation Assessment

<b>Job Number:</b> 70019 <b>Responsible Division:</b> Facilities & Operations <b>FY Originated:</b> FY17-18	<b>Priority:</b> 2 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**

Sound Planning and Appropriate Investment

**Key Standard:**

Long-Term View, Appropriate CIP Funding

**Scope of Work:**

Tank inspection and recommendations for rehabilitation.

### Proposed Project Expenditures:

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning	\$10,000					\$10,000	
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$10,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,000</b>	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:

Project Expense (through 6/30/2019):

Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):

Total Project Through 6/30/2020:

Anticipated Carryover:

**FY 20-21 Appropriation Request:**

**\$10,000**

**TOTAL ESTIMATED PROJECT COST:**

**\$10,000**

**Basis for Project Cost Estimate:**

% 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: Replace Agitators**

<b>Job Number:</b> 80748 <b>Responsible Division:</b> Facilities & Operations <b>FY Originated:</b> FY10-11	<b>Priority:</b> 3 <b>Program:</b> No <b>Project Status:</b> Proposed
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**Business Value:**  
 Sound Planning and Appropriate Investment

**Key Standard:**  
 Long-Term View, Appropriate CIP Funding

**Scope of Work:**  
 Purchase new compost agitators to replace the existing ones.

**Proposed Project Expenditures:**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Years 1-5 Total	
Planning							
Land Acquisition							
Design							
Bidding							
Construction			\$500,000	\$500,000		\$1,000,000	
Labor and G&A Expense			\$55,000	\$55,000		\$110,000	
<b>TOTALS</b>	\$0	\$0	\$555,000	\$555,000	\$0	\$1,110,000	

	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	Years 6-10 Total	10-Year Planning Period Estimated Expenditures
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
<b>TOTALS</b>	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$1,110,000</b>

**Appropriations & Expenditures:**

Approved Appropriation:  
 Project Expense (through 6/30/2019):  
 Actual & Anticipated Project Expense (7/01/2019 - 6/30/2020):  
 Total Project Through 6/30/2020:  
 Anticipated Carryover:

**TOTAL ESTIMATED  
 PROJECT COST:  
 \$1,110,000**

**FY 20-21 Appropriation Request:** **\$0**

**Basis for Project Cost Estimate:**

Staff estimate based on previous purchases.

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

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February 3, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Finance & Administration

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**Subject : Financial Review: Second Quarter of Fiscal Year 2019-20**

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**SUMMARY:**

The second quarter financial review presents data as of December 31, 2019. It is important to note that due to the timing of various projects and payments, the second quarter report should primarily be used to identify areas where an emerging trend may affect the JPA's position at fiscal year-end.

**RECOMMENDATION(S):**

Receive and file the financial review for the second quarter of Fiscal Year 2019-20.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

No

**FINANCIAL IMPACT:**

There is no financial impact associated with this action.

**DISCUSSION:**

The JPA's second quarter net uses of funds in Fiscal Year 2019-20 totaled \$12.9 million, compared to \$8.9 million for the same period in Fiscal Year 2018-19. There were year-over-year increases in operating revenues (9.9%) and an increase in operating expenditures (2.9%). The increases in operating revenues were primarily due to increased recycled water sales. The increases in operating expenditures were primarily due to increased energy costs associated with higher recycled water sales. Capital project expenditures were approximately \$3.7 million more than the prior year.

When comparing to the Fiscal Year 2019-20 Budget through the second quarter, actual operating expenditures were approximately \$325,000 (3.6%) below estimates. Capital project

expenditures were approximately \$175,000 (3.1%) below budget estimates, primarily due to the timing of expenditures for planned projects.

**GOALS:**

Ensure Effective Utilization of the Public's Assets and Money

Prepared by: Angela Saccareccia, Finance Manager

**ATTACHMENTS:**

Attachment A

Attachment B

## Joint Powers Authority Operations

### Quarterly Update - Comparison to Budget & Prior Year at December 31, 2019

	FY 18-19 Actual YTD	FY 19-20 Budget YTD	FY 19-20 Actual YTD
Total Operating Revenues	\$ 1,244,983	\$ 1,556,003	\$ 1,368,717
RW Pump Station	595,508	844,766	609,661
RW Tanks & Reservoirs	44,514	68,985	62,529
RW System Operations	14,126	23,791	894
RW Distribution	21,179	95,608	67,465
Sewer	81,112	73,995	47,623
Waste Water Treatment	4,049,344	4,518,876	4,586,119
Composting	2,909,019	2,727,691	2,719,183
Centrate Treatment	197,103	164,861	170,898
Adminstration	627,458	591,101	520,022
Total Operating Expenses	8,539,363	9,109,674	8,784,394
Net Operating (Expenses)	\$ (7,294,380)	\$ (7,553,671)	\$ (7,415,677)

**Joint Powers Authority Operations**  
**Quarterly Update - Comparison to Budget & Prior Year at December 31, 2019**

	<u>FY 18-19 Actual YTD</u>	<u>FY 19-20 Budget YTD</u>	<u>FY 19-20 Actual YTD</u>
<b><u>Las Virgenes Share:</u></b>			
<b><u>Total Revenues</u></b>			
Operating Revenues	\$ 878,958	\$ 1,098,538	\$ 966,314
Total Revenues	<u>878,958</u>	<u>1,098,538</u>	<u>966,314</u>
<b><u>Total Expenses</u></b>			
Operating Expenses	\$ 5,883,621	\$ 6,101,772	\$ 6,052,447
Capital Project Expenses	1,190,195	3,938,846	3,814,955
Total Expenses	<u>7,073,816</u>	<u>10,040,618</u>	<u>9,867,402</u>
<b>Net (Uses) of Funds - LV</b>	<u>\$ (6,194,858)</u>	<u>\$ (8,942,079)</u>	<u>\$ (8,901,088)</u>
<b><u>Triunfo Share:</u></b>			
<b><u>Total Revenues</u></b>			
Operating Revenues	\$ 366,025	\$ 457,465	\$ 402,403
Total Revenues	<u>366,025</u>	<u>457,465</u>	<u>402,403</u>
<b><u>Total Expenses</u></b>			
Operating Expenses	\$ 2,655,742	\$ 3,007,902	\$ 2,731,947
Capital Project Expenses	495,634	1,640,256	1,588,664
Total Expenses	<u>3,151,376</u>	<u>4,648,158</u>	<u>4,320,611</u>
<b>Net (Uses) of Funds - TSD</b>	<u>\$ (2,785,351)</u>	<u>\$ (4,190,693)</u>	<u>\$ (3,918,208)</u>
<b>Total JPA Net (Uses) of Funds</b>	<u>\$ (8,980,209)</u>	<u>\$ (13,132,773)</u>	<u>\$ (12,819,296)</u>

## Joint Powers Authority Operations

Quarterly Update - Comparison to Budget & Prior Year at December 31, 2019

	<u>FY 18-19 Actual YTD</u>	<u>FY 19-20 Budget YTD</u>	<u>FY 19-20 Actual YTD</u>
<b><u>Total Revenues</u></b>			
Operating Revenues	\$ 1,244,983	\$ 1,556,003	\$ 1,368,717
Total Revenues	<u>1,244,983</u>	<u>1,556,003</u>	<u>1,368,717</u>
<b><u>Total Expenses</u></b>			
Operating Expenses	\$ 8,539,363	\$ 9,109,674	\$ 8,784,394
Capital Project Expenses	<u>1,685,829</u>	<u>5,579,102</u>	<u>5,403,619</u>
Other	<u>-</u>	<u>-</u>	<u>-</u>
Total Expenses	<u>10,225,192</u>	<u>14,688,776</u>	<u>14,188,013</u>
<b>Net (Uses) of Funds</b>	<b><u><u>\$ (8,980,209)</u></u></b>	<b><u><u>\$ (13,132,773)</u></u></b>	<b><u><u>\$ (12,819,296)</u></u></b>
<b>Las Virgenes Share</b>	<b><u><u>(6,340,028)</u></u></b>	<b><u><u>(8,942,079)</u></u></b>	<b><u><u>(8,901,088)</u></u></b>
<b>Triunfo Share</b>	<b><u><u>(2,640,181)</u></u></b>	<b><u><u>(4,190,693)</u></u></b>	<b><u><u>(3,918,208)</u></u></b>

***Las Virgenes - Triunfo Joint Powers Authority  
Capital Improvement Project Status  
December 31, 2019***

<i>Job # - Description</i>	<i>LV %</i>	<i>TWSD %</i>	<i>Total Project Appropriations</i>	<i>Prior Year Expenditures</i>	<i>Current Year Expenditures</i>	<i>Total Project Expenditures</i>	<i>Project Balance</i>	<i>LV Balance</i>	<i>TWSD Balance</i>
<b>Completed Projects</b>									
<b>10626 - Process Air Improvements</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$5,829,710</b>	<b>\$2,240,138</b>	<b>\$3,573,980</b>	<b>\$5,814,118</b>	<b>\$15,592</b>	<b>\$11,008</b>	<b>\$4,584</b>
The first phase is to replace the existing Roots blowers with new, high efficiency, single stage blowers. To replace the air diffusers in the aeration basins with new full floor mounted fine bubble diffusers. Additional appropriation \$100,000 approved by JPA Board 7/1/19, Item 6A Final Acceptance approved by JPA Board 12/09/2019, Item 4C									
<b>Total Completed Projects</b>			<b>\$5,829,710</b>	<b>\$2,240,138</b>	<b>\$3,573,980</b>	<b>\$5,814,118</b>	<b>\$15,592</b>	<b>\$11,008</b>	<b>\$4,584</b>
<b>Projects to complete by June 30, 2020</b>									
<b>10608 - Rancho Amndmnt Bin&amp;Convync Mod</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$2,070,518</b>	<b>\$1,738,370</b>	<b>\$176,109</b>	<b>\$1,914,479</b>	<b>\$156,039</b>	<b>\$110,164</b>	<b>\$45,875</b>
The project consists of installing a new smaller amendment bin and modification to the conveyor system to simplify the amendment conveyance process.									
<b>10638 - Demonstration Project</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$4,579,394</b>	<b>\$837,342</b>	<b>\$1,257,665</b>	<b>\$2,095,007</b>	<b>\$2,484,387</b>	<b>\$1,753,977</b>	<b>\$730,410</b>
sub project of 10635 Pure Water Project Additional appropriation \$185,934 approved by JPA Board 7/1/19, Item 6A. Additional appropriation \$802,262 approved by JPA Board 10/7/19, Item 6A.									
<b>10667 - Tapia Headworks White Room</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$421,938</b>	<b>\$52,373</b>	<b>\$37,974</b>	<b>\$90,347</b>	<b>\$331,591</b>	<b>\$234,103</b>	<b>\$97,488</b>
Modification or replacement is needed for the floor plates and steel framing floor plate supports in the white room located at Tapia's headworks building. Additional appropriation \$9,498 approved by JPA Board 12/9/19, Item 6B									
<b>10695 - Rancho Reliability Imprv 19-20</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$26,697</b>	<b>\$26,697</b>	<b>\$73,303</b>	<b>\$51,752</b>	<b>\$21,551</b>
Replace or rehabilitate facilities and equipment at the Rancho facility based on failure, exceedence of useful life, or obsolescence.									
<b>10696 - TWRf Reliability Imprv. FY 19-2</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$8,975</b>	<b>\$8,975</b>	<b>\$91,025</b>	<b>\$64,264</b>	<b>\$26,761</b>
Replace or rehabilitate facilities and equipment at the Tapia facility based on failure, exceedence of useful life, or obsolescence.									
<b>Total Projects to complete by June 30, 2020</b>			<b>\$7,271,850</b>	<b>\$2,628,085</b>	<b>\$1,507,420</b>	<b>\$4,135,505</b>	<b>\$3,136,345</b>	<b>\$2,214,260</b>	<b>\$922,085</b>

**Multi-Year Projects**

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**Job # - Description**

**LV % TWSD % Total Project Prior Year Current Year Total Project Project LV TWSD**  
**Appropriations Expenditures Expenditures Expenditures Balance Balance Balance**

**Multi-Year Projects**

<b>10567 - Progmbble Logic Contrlr Upgrd</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$1,311,560</b>	<b>\$107,455</b>	<b>\$38,365</b>	<b>\$145,820</b>	<b>\$1,165,740</b>	<b>\$823,012</b>	<b>\$342,728</b>
Replace obsolete programmable logic controllers and upgrade other electrical equipment at Tapia.									
<b>10619 - Summer Season 2013 TMDL Compln</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$1,449,985</b>	<b>\$178,175</b>	<b>\$151,957</b>	<b>\$330,132</b>	<b>\$1,119,853</b>	<b>\$790,616</b>	<b>\$329,237</b>
Construction of a 1MGD "side stream" treatment facility at Tapia to treat stream flow augmentation discharges to the 2013 TMDL limits of 1 mg/L total nitrogen and 0.1 mg/L total phosphorous. The cost estimate is based on membrane technology.									
<b>10629 - Cny Oaks Prk RW Main Extension</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$399,780</b>	<b>\$7,451</b>	<b>\$0</b>	<b>\$7,451</b>	<b>\$392,329</b>	<b>\$276,984</b>	<b>\$115,345</b>
This extension will serve the City of Westlake Village's Oak Canyon Park and eliminate a long private service line to Yerba Buena School. Funding from Prop 84 IRWM 2015									
<b>10635 - PURE WATER PROJECT</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$3,456,482</b>	<b>\$148,654</b>	<b>\$8,600</b>	<b>\$157,254</b>	<b>\$3,299,228</b>	<b>\$2,329,255</b>	<b>\$969,973</b>
This project funds preliminary studies, outreach, CEQA analysis, preliminary design and final design. Project 10637 Facility Siting Study was completed in prior year for \$180,777. Project 10650 Land Acquisition was completed in prior year for \$2,109,359 Project 10636 Mixing and Dilution Study was completed in prior year for \$337,500									
<b>10665 - Cordillera Tank Rehab</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$1,201,267</b>	<b>\$39,879</b>	<b>\$21,808</b>	<b>\$61,687</b>	<b>\$1,139,580</b>	<b>\$804,543</b>	<b>\$335,037</b>
Rehabilitation including interior and exterior coating, valve and appurtenance upgrades and replacements, restoration of deteriorated asphalt, and work to ensure up-to-date compliance for safety and water quality equipment.									
<b>10666 - Calabasas Prk RW Main Extensn</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$320,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$320,000</b>	<b>\$225,920</b>	<b>\$94,080</b>
Install approximately 1,200 LF of 6-8 inch pipeline to loop the existing recycled water system.									
<b>10668 - RLV Storm Wtr Divsn Strctr Rpl</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$41,767</b>	<b>\$3,746</b>	<b>\$0</b>	<b>\$3,746</b>	<b>\$38,021</b>	<b>\$26,843</b>	<b>\$11,178</b>
Replacement of the two storm water diversion structures at the Rancho Las Virgenes Composting Facility. Increase the size and length of the farm field discharge pipeline.									
<b>10669 - Dev Tour Seating Area @ Tapia</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$25,000</b>	<b>\$14,035</b>	<b>\$0</b>	<b>\$14,035</b>	<b>\$10,965</b>	<b>\$7,741</b>	<b>\$3,224</b>
Develop tour seating area at Tapia adjacent to the control building									
<b>10680 - RLV Digester Cleaning &amp; Repair</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$2,822,155</b>	<b>\$438,305</b>	<b>\$48,348</b>	<b>\$486,653</b>	<b>\$2,335,502</b>	<b>\$1,648,864</b>	<b>\$686,638</b>
Clean out and make all necessary repairs to digesters #2. the scope of repairs is based on the recently completed rehabilitation of digester # 1. Additional appropriation \$714,379 approved by JPA Board 12/9/19, Item 6C									
<b>10688 - Rancho Solar Gen.-Ph II</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$596,555</b>	<b>\$400,986</b>	<b>\$0</b>	<b>\$400,986</b>	<b>\$195,569</b>	<b>\$138,072</b>	<b>\$57,497</b>
Rancho Solar Generation Project Phase II: Service Agreement for Wholesale Distribution Service and Rule 21 Generator Interconnection Agreement Reimbursable expense of an interconnection facility.									



**Job # - Description**

**LV % TWSD % Total Project Appropriations Prior Year Expenditures Current Year Expenditures Total Project Expenditures Project Balance LV Balance TWSD Balance**

**Multi-Year Projects**

<b>10689 - WoolseyFire Rpr - Rancho</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$1,989,455</b>	<b>\$2,943</b>	<b>\$22,681</b>	<b>\$25,624</b>	<b>\$1,963,831</b>	<b>\$1,386,465</b>	<b>\$577,366</b>
Woolsey Fire Facility Repair. Appropriation of \$46,955 for engineering design and support services during construction approved by JPA Board 3/28/2019, Item 6E.									
<b>10692 - WoolseyFire Rpr-JPA Facilities</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$878,612</b>	<b>\$0</b>	<b>\$3,897</b>	<b>\$3,897</b>	<b>\$874,715</b>	<b>\$617,549</b>	<b>\$257,166</b>
Woolsey Fire Facility Repair. Appropriation of \$46,112 for engineering design and support services during construction approved by JPA Board 3/28/2019, Item 6E.									
<b>10693 - Pavement Restoration Rancho</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$533,320</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$533,320</b>	<b>\$376,524</b>	<b>\$156,796</b>
Pavement restoration/slurry at Rancho									
<b>10702 - Tapia Efflnt P/S Feeder Reloc</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$70,600</b>	<b>\$29,400</b>
Remove or abandon in place existing 4160 volt feeders currently suspended from the top slab of the Effluent Pump Station wet well, underneath the existing MCCs.Perform electrical design and replace the overhead 4160 volt feeders.									
<b>10707 - Brine Discharge Mgmt Proj.</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$210,945</b>	<b>\$0</b>	<b>\$26,563</b>	<b>\$26,563</b>	<b>\$184,382</b>	<b>\$130,174</b>	<b>\$54,208</b>
sub-project of 10635 Pure Water Project. Regional Brine Management Study and Multi-Agency reimbursement agreement approved by JPA Board 8/5/19, Item 6C									

**Total Multi-Year Projects** **\$15,336,883** **\$1,341,629** **\$322,219** **\$1,663,848** **\$13,673,035** **\$9,653,163** **\$4,019,872**

**Projects on Hold**

<b>10520 - SCADA System Communictn Upgrd</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$93,100</b>	<b>\$32,447</b>	<b>\$0</b>	<b>\$32,447</b>	<b>\$60,653</b>	<b>\$42,821</b>	<b>\$17,832</b>
Upgrade the JPA owned portion of the supervisory control and data acquisition system (SCADA) system to an Ethernet based radio network and provide additional data paths for system redundancy.									
<b>10661 - A/B Bus Electrical Modificatn</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$70,600</b>	<b>\$29,400</b>
Study the feasibility of reconfiguring the Tapia electrical switch gear and then hire electrical team to make the modifications.									
<b>10670 - Centrate 20" Valve Repair</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$264,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$264,000</b>	<b>\$186,384</b>	<b>\$77,616</b>
Repair buried 20-inch Miliken valve at the centrate facility.									
<b>10703 - Tapia Tertiary Filters Rehab</b>	<b>70.6%</b>	<b>29.4%</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,000</b>	<b>\$42,360</b>	<b>\$17,640</b>
Tertiary Filters concrete rehabilitation.									

**Total Projects on Hold** **\$517,100** **\$32,447** **\$0** **\$32,447** **\$484,653** **\$342,165** **\$142,488**

*Job # - Description*

*LV % TWSD %*

*Total Project  
Appropriations*

*Prior Year  
Expenditures*

*Current Year  
Expenditures*

*Total Project  
Expenditures*

*Project  
Balance*

*LV  
Balance*

*TWSD  
Balance*

*Totals*

\$28,955,543

\$6,242,299

\$5,403,619

\$11,645,918

\$17,309,625

\$12,220,595

\$5,089,030

*Totals: Las Virgenes MWD*

\$20,442,613

\$4,407,063

\$3,814,955

\$8,222,018

\$12,220,595

*Totals: Triunfo Water and Sanitation District*

\$8,512,930

\$1,835,236

\$1,588,664

\$3,423,900

\$5,089,030

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**BEST BEST & KRIEGER**  
ATTORNEYS AT LAW

**To:** Las Virgenes-Triunfo JPA Board of Directors  
**From:** John Freshman and Ana Schwab  
**Date:** January 27, 2020  
**RE:** Federal Report

**Waters of the United States**

On January 23<sup>rd</sup>, the Environmental Protection Agency (EPA) and the Department of the Army (Army) released the finalized rule of the revision to the “Waters of the United States” (WOTUS) definition. In the Clean Water Act (CWA), agencies are directed to protect “navigable waters.” The new revised rule, Navigable Waters Protection Rule, reduces the types of bodies of water required to be protected. The agencies released streamlined definitions that include four categories of jurisdiction waters, excluding many of the water protection inclusions from the 2015 “Clean Water Rule” that was issued by the Obama Administration. The narrowing of the WOTUS definition will have broad implications for public agencies and private property owners.

The four defined categories are: territorial seas and traditional navigable waters; tributaries; lakes, ponds, and impoundments of jurisdictional waters; and adjacent wetlands. There are several exclusions to the final rule. A significant change to the rule is that ephemeral streams and other features will be excluded from CWA jurisdiction. Wetlands will also be excluded from CWA unless they have a direct surface connection to a Water of the United States, or they are only separated from a Water of the United States by a natural berm or bank. Artificial lakes and ponds, water storage reservoirs, stormwater control features, groundwater recharge facilities will also be excluded from the jurisdiction.

Critics of the rule argue that it will result in less clean water, due to a lack of oversight of pesticides, fertilizers, and other industrial chemicals released into waterways. Proponents of the rule counter that the state and local environmental regulations will be a sufficient oversight on such pollution.

The final rule is scheduled to take effect 60 days after it is formally published in the Federal Register, which will be published in the upcoming days or weeks.

**PFAS**

The House of Representatives voted on a PFAS package under H.R. 535 that was passed 247-159. The vote was mostly along party lines. The measure was compiled by the House Energy and Commerce Committee from 12 separate PFAS-focused bills. Senate Republicans oppose the measure. As a result, the package is not expected to move forward in the Senate.



On January 17<sup>th</sup>, the EPA released a list of 160 per- and polyfluoroalkyl substances, or PFAS that companies and federal facilities must report to the agency's Toxics Release Inventory. The new reporting requirement is a result of a provision in the National Defense Authorization Act (NDAA) that became law last month. Companies and facilities that release 100 or more pounds of PFAS are required to compile information on the quantity released into the air, water, or land, and the quantities managed through disposal, energy recovery, recycling, or treatment. Two compounds that are increasingly being found in drinking water and on land, PFOA and PFOS, are among the listed chemicals.

Reports are due in a year and a half, by July 1, 2021.

### **Endangered Species Act**

The Congressional Western Caucus introduced a package of bills that would reduce the scope of protections provided by the Endangered Species Act (ESA). The package of bills changes the ESA listing and de-listing procedures, critical habitat decisions, and science-based research requirements. The package includes the interests of property owners, states, and local stakeholders. The package aims for more transparency, requiring scientific data, rationale, and litigation information to be made publicly available and reported to Congress. Additionally, the package would codify parts of the administration's rollbacks of ESA.

House Committee of Natural Resources Chairman Raul Grijalva (D-AZ) says the package fails to provide compelling interest to conduct a hearing on package. It is unlikely that the package will move forward in the House as it is met with resistance from Democratic lawmakers and environmental groups.

### **National Environmental Policy Act**

On January 9<sup>th</sup>, the Council on Environmental Quality released proposed revisions to its National Environmental Policy Act (NEPA) regulations. These revisions would be the first overhaul to CEQ's NEPA regulations in more than 40 years. CEQ aims to modernize and clarify the regulations in order to facilitate more timely and efficient NEPA reviews by Federal agencies related to proposals for agency action. Key provisions would require a project's environmental effects to be "reasonably foreseeable" and have a close causal relationship to the project. This would result in increasing the speed of permitting for big projects since the environmental impacts due not to fulfill a multi-year impact threshold. The new proposed revisions would reduce the approval review process for projects like oil pipelines, highways, and bridges.



Lawmakers are split on the issue by party. Top Democrats voiced concern that the changes would have detrimental environmental impacts nation-wide. Republicans voiced support of the changes, citing the reduced review time would be beneficial for all parties. Since the announcement, several coalitions from the oil, gas, and wind power industries have formed to support the new revisions.

The proposed rulemaking was published in the Federal Register, and comments are due by March 10, 2020. CEQ also plans public hearings on the proposed rule on February 11<sup>th</sup> in Denver, and February 25<sup>th</sup> in Washington, D.C.

### **85 FR 1684 Update to the Regulations Implementing the Procedural Provisions of the National Environmental Policy Act**

In this action, the Council on Environmental Quality (CEQ) is proposing to update its regulations for implementing the procedural provisions of the National Environmental Policy Act (NEPA). CEQ has not comprehensively updated its regulations since their promulgation in 1978, more than four decades ago. This proposed rule would modernize and clarify the regulations to facilitate more efficient, effective, and timely NEPA reviews by Federal agencies in connection with proposals for agency action. The proposed amendments would advance the original goals of the CEQ regulations to reduce paperwork and delays, and promote better decisions consistent with the national environmental policy set forth in section 101 of NEPA. If finalized, the proposed rule would comprehensively update and substantially revise the 1978 regulations. CEQ invites comments on the proposed revisions.

CEQ must receive comments by March 10, 2020. You may submit comments, identified by docket number CEQ-2019-0003, by any of the following methods: Federal eRulemaking Portal: <https://www.regulations.gov>. Follow the instructions for submitting comments.

### **85 FR 1810 - Proposed Information Collection Request; Comment Request; Clean Water Act State Revolving Fund Program**

The U.S. Environmental Protection Agency (EPA) is planning to submit a request to renew an existing information collection request (ICR), “Clean Water State Revolving Fund Program” (EPA ICR No. 1391.11, OMB Control No. 2040-0118) to the Office of Management and Budget (OMB) for review and approval in accordance with the Paperwork Reduction Act (PRA). Before doing so, the EPA is soliciting public comments on specific aspects of the proposed information collection as described below. This is a proposed extension of the ICR, which is currently approved through September 30, 2020. An Agency may not conduct or sponsor and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number.



**BEST BEST & KRIEGER**

ATTORNEYS AT LAW

Submit your comments, referencing Docket ID No. EPA-HQ-OW-2004-0015, online using [www.regulations.gov](http://www.regulations.gov) (preferred method), by email to [ow-docket@epa.gov](mailto:ow-docket@epa.gov), or by mail to: EPA Docket Center, Environmental Protection Agency, Mail Code 28221T, 1200 Pennsylvania Ave. NW, Washington, DC 20460.

**LAS VIRGENES TRIUNFO - HIGH PRIORITY LEGISLATION IN THE 116TH CONGRESS  
THROUGH JANUARY 24, 2020**

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 34</u></a> <a href="#"><u>Energy and Water Research Integration Act of 2019</u></a>	<p>To ensure consideration of water intensity in the Department of Energy’s energy research, development, and demonstration programs to help guarantee efficient, reliable, and sustainable delivery of energy and clean water resources.</p>	<p>Introduced by Rep. Eddie Bernice Johnson (D-TX) – January 3, 2019</p> <p>Passed/agreed to in the House – July 23, 2019. Introduced in the Senate</p>	
<a href="#"><u>S. 47</u></a> <a href="#"><u>Natural Resources Management Act</u></a>	<p>This bill sets forth provisions regarding various programs, projects, activities, and studies for the management and conservation of natural resources on federal lands.</p> <ul style="list-style-type: none"> <li>• Specifically, the bill addresses, among other matters</li> <li>• land conveyances, exchanges, acquisitions, withdrawals, and transfers;</li> <li>• national parks, monuments, memorials, wilderness areas, wild and scenic rivers, historic and heritage sites, and other conservation and recreation areas;</li> <li>• wildlife conservation;</li> <li>• helium extraction;</li> <li>• small miner waivers of claim maintenance fees;</li> <li>• wildland fire operations;</li> <li>• the release of certain federal reversionary land interests;</li> <li>• boundary adjustments;</li> <li>• the Denali National Park and Preserve natural gas pipeline;</li> <li>• fees for medical services in units of the National Park System;</li> <li>• funding for the Land and Water Conservation Fund;</li> <li>• recreational activities on federal or nonfederal lands;</li> <li>• a national volcano early warning and monitoring system;</li> <li>• federal reclamation projects; and</li> <li>• search-and recovery-missions.</li> </ul> <p>In addition, the bill reauthorizes the National Cooperative Geologic Mapping Program.</p>	<p>Introduced by Sen. Lisa Murkowski (R-AK) – January 8, 2019</p> <p>Signed into law on March 12, 2019</p>	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 40</a> <a href="#">Bureau of Reclamation Transparency Act</a>	To require the Secretary of the Interior to submit to Congress a report on the efforts of the Bureau of Reclamation to manage its infrastructure assets.	Introduced by Sen. John Barrasso (R-WY) – January 8, 2019	
<a href="#">H.R. 357</a> <a href="#">Sacramento-San Joaquin Delta National Heritage Area Act</a>	To establish the Sacramento-San Joaquin Delta National Heritage Area. The boundaries of the Heritage Area shall be in the counties of Contra Costa, Sacramento, San Joaquin, Solano, and Yolo in the State of California, as generally depicted on the map entitled “Sacramento-San Joaquin Delta National Heritage Area Proposed Boundary”, numbered T27/105,030, and dated October 2012.	Introduced by Rep. John Garamendi (D-CA) – January 9, 2019  Signed into law on March 12, 2019 as part of S. 47 – Natural Resources Management Act	
<a href="#">H.R. 535</a> <a href="#">PFAS Action Act of 2019</a>	To require the Administrator of the Environmental Protection Agency to designate per- and polyfluoroalkyl substances as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980.	Introduced by Rep. Debbie Dingell (D-MI) – January 14, 2019  Received in the Senate – January 13, 2020	
<a href="#">H.R. 579</a> <a href="#">Water Rights Protection Act of 2019</a>	To prohibit the conditioning of any permit, lease, or other use agreement on the transfer of any water right to the United States by the Secretaries of the Interior and Agriculture, and for other purposes.	Introduced by Rep. Scott Tipton (R-CO) – January 15, 2019	
<a href="#">H.R. 664</a> <a href="#">Recreational Lands Self-Defense Act of 2019</a>	To protect the right of individuals to bear arms at water resources development projects administered by the Secretary of the Army, and for other purposes	Introduced by Rep. Bob Gibbs (D-OH) – January 17, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 667</u></a> <a href="#"><u>Regulatory Certainty for Navigable Waters Act</u></a>	To repeal the Waters of the United States rule and amend the Federal Water Pollution Control Act	Introduced by Rep. Jamie Herrera Beutler (R-WA) – January 17, 2019	
<a href="#"><u>H.R. 658</u></a> <a href="#"><u>National Infrastructure Development Bank Act of 2019</u></a>	To facilitate efficient investments and financing of infrastructure projects and new job creation through the establishment of a National Infrastructure Development Bank, and for other purposes. Highlighting environmental infrastructure projects which include drinking water, waste water treatment facility, and stormwater management system.	Introduced by Rep. Rosa DeLauro (D-CT) – January 17, 2019	
<a href="#"><u>H.R. 807</u></a> <a href="#"><u>Water and Agriculture Tax Reform Act of 2019</u></a>	To amend the Internal Revenue Code of 1986 to facilitate water leasing and water transfers to promote conservation and efficiency.	Introduced by Rep. Ken Buck (R-CO) – January 28, 2019	
<a href="#"><u>H.R. 843</u></a> <a href="#"><u>Reform EPA Act</u></a>	To amend the Federal Water Pollution Control Act to clarify when the Administrator of the Environmental Protection Agency has the authority to prohibit the specification of a defined area, or deny or restrict the use of a defined area for specification, as a disposal site under section 404 of such Act, and for other purposes.	Introduced by Rep. Bob Gibbs (R-OH) – January 29, 2019	
<a href="#"><u>H.R. 855</u></a> <a href="#"><u>STRONG Act</u></a>	To minimize the economic and social costs resulting from losses of life, property, well-being, business activity, and economic growth associated with extreme weather events by ensuring that the United States is more resilient to the impacts of extreme weather events in the short- and long-term, and for other purposes. Key sectors shall include water management, including supply and treatment; infrastructure, including natural and built forms of water and wastewater services;	Introduced by Rep. Scott Peters (D-CA) – January 29, 2019	
<a href="#"><u>S. 308</u></a> <a href="#"><u>Santa Ana River Wash Plan Land Exchange Act</u></a>	A bill to direct the Secretary of the Interior to convey certain Federal lands in San Bernardino County, California, to the San Bernardino Valley Water Conservation District, and to accept in return certain non-Federal lands, and for other purposes	Introduced by Sen. Dianne Feinstein (D-CA) – January 31, 2019	
<a href="#"><u>S. 361</u></a> <a href="#"><u>Water and Agriculture Tax Reform Act of 2019</u></a>	A bill to amend the Internal Revenue Code of 1986 to facilitate water leasing and water transfers to promote conservation and efficiency.	Introduced by Sen. Cory Gardner (R-CO) – February 6, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 1067</a> <a href="#">Santa Ana River Wash Plan Land Exchange Act</a>	To direct the Secretary of the Interior to convey certain Federal lands in San Bernardino County, California, to the San Bernardino Valley Water Conservation District, and to accept in return certain non-Federal lands, and for other purposes.	Introduced by Rep. Pete Aguilar (D-CA) – February 7, 2019	
<a href="#">S. 376</a> <a href="#">Defense of Environment and Property Act of 2019</a>	A bill to amend the Federal Water Pollution Control Act to clarify the definition of navigable waters, and for other purposes.	Introduced by Sen. Rand Paul (R-KY) – February 7, 2019	
<a href="#">H.R. 1137</a> <a href="#">To amend the Water Resources Development Act of 1986 to repeal the authority relating to reprogramming during national emergencies.</a>	To amend the Water Resources Development Act of 1986 to repeal the authority relating to reprogramming during national emergencies.	Introduced by Rep. John Garamendi (D-CA) – February 11, 2019	
<a href="#">H.R. 1162</a> <a href="#">Water Recycling Investment and Improvement Act</a>	To extend the authorization of the Bureau of reclamation’s Title XVI competitive grants program, and increases the authorized funding levels from \$50 million to \$500 million. Further the legislation expands the geographic scope of the program by removing a requirement that projects be located in sustained drought or disaster areas, makes the program truly competitive by removing a requirement that Congress sign off on each selected project, and modernizes the individual program funding cap from \$20 million to \$30 million.	Introduced by Rep. Grace Napolitano (D-CA) – Introduced February 13, 2019  Subcommittee on Water, Oceans, and Wildlife hearing - June 13, 2019	<i>Support</i>
<a href="#">H.R. 1334</a> <a href="#">Outdoor Recreation Legacy Partnership Grant Program Acts</a>	To provide grants for projects to acquire land and water for parks and other outdoor recreation purposes and to develop new or renovate existing outdoor recreation facilities.	Introduced by Rep. Nanette Barragan (D-CA) – February 25, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 1331</u></a> <a href="#"><u>Local Water Protection Act</u></a>	<p>To amend Section 319(j) of the Federal Water Pollution Control Act ( 33 U.S.C. 1329 (j)) is amended by striking “subsections (h) and (i) not to exceed” and all that follows through “fiscal year 1991” and inserting “subsections (h) and (i) \$200,000,000 for each of fiscal years 2020 through 2024”.</p>	<p>Introduced by Rep. Annie Craig (D-MN) – February 26, 2019</p> <p>Passed/agreed to in House - April 8, 2019. Introduced in the Senate.</p>	
<a href="#"><u>H.R. 1429</u></a> <a href="#"><u>Drinking Water Infrastructure for Job Creation Act</u></a>	<p>Making supplemental appropriations, of \$7,500,000,000, for fiscal year 2019 for the Drinking Water State Revolving Funds, and for other purposes.</p>	<p>Introduced by Rep. Maxine Waters (D-CA) – February 28,2019</p>	
<a href="#"><u>S. 611</u></a> <a href="#"><u>Water Affordability, Transparency, Equity, and Reliability Act of 2019</u></a>	<p>To establish a trust fund, of \$34,850,000,000, to provide for adequate funding for water and sewer infrastructure, and for other purposes.</p>	<p>Introduced by Sen. Bernie Sanders (I-VT) – February 28, 2019</p>	
<a href="#"><u>H.R. 1417</u></a> <a href="#"><u>Water Affordability, Transparency, Equity, and Reliability Act of 2019</u></a>	<p>To establish a trust fund, of \$34,850,000,000, to provide for adequate funding for water and sewer infrastructure, and for other purposes.</p>	<p>Introduced by Rep. Brenda Lawrence (D-MI) – March 1, 2019</p>	
<a href="#"><u>H.R. 1497</u></a> <a href="#"><u>Water Quality Protection and Job Creation Act of 2019</u></a>	<p>To amend the Federal Water Pollution Control Act to reauthorize certain water pollution control programs, and for other purposes. The legislation would authorize \$120,000,000 for each of fiscal years 2020 through 2024.”</p>	<p>Introduced by Rep. Pete DeFazio (D-OR) – March 6, 2019</p> <p>Ordered to be Reported (Amended) by Voice Vote – October 29, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 1621</a> <a href="#">Water Supply Permitting Coordination Act</a>	To authorize the Secretary of the Interior to coordinate Federal and State permitting processes related to the construction of new surface water storage projects on lands under the jurisdiction of the Secretary of the Interior and the Secretary of Agriculture and to designate the Bureau of Reclamation as the lead agency for permit processing, and for other purposes.	Introduced by Rep. Tom McClintock (R-CA) – March 7, 2019	
<a href="#">H.R. 1764</a> <a href="#">To amend the Federal Water Pollution Control Act with respect to permitting terms, and for other purposes.</a>	To extend the NPDES permit period from 5 years to 10 years.	Introduced by Rep. John Garamendi (D-CA) – March 14, 2019	<i>Support (with condition of needing Napolitano's support on the bill as well)</i>
<a href="#">H.R. 2030</a> <a href="#">Colorado River Drought Contingency Plan Authorization Act</a>	This bill requires the Department of the Interior to carry out the Colorado River Drought Contingency Plan which was submitted to Congress on March 19, 2019, by Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming. Interior must execute the plan without delay and operate applicable Colorado River System reservoirs accordingly.	Introduced by Rep. Raul Grijalva (D-AZ) – April 2, 2019  Signed into law on April 16, 2019	
<a href="#">S. 1057</a> <a href="#">Colorado River Drought Contingency Plan Authorization Act</a>	This bill requires the Department of the Interior to carry out the Colorado River Drought Contingency Plan which was submitted to Congress on March 19, 2019, by Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming. Interior must execute the plan without delay and operate applicable Colorado River System reservoirs accordingly	Introduced by Sen. Martha McSally (R-AZ) – April 8, 2019  Passed the Senate on April 9, 2019. Introduced in the House	
<a href="#">S. 1087</a> <a href="#">Water Quality Certification Improvement Act of 2019</a>	To amend the Federal Water Pollution Control Act to make changes with respect to water quality certification, and for other purposes.	Introduced by Sen. John Barrasso (R-WY) – April 9, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2215</a> <a href="#">San Gabriel Mountains Foothills and Rivers Protections Act</a>	<p>The legislation would designate over 30,000 acres of protected wilderness and 45.5 miles of protected rivers and expand the San Gabriel Mountains National Monument, establish a National Recreation Area along the foothills and the San Gabriel Corridor. The bill would expand the borders of the monument to include the western Angeles National Forest</p>	<p>Introduced by Rep. Judy Chu (D-CA) – April 10, 2019</p> <p>Ordered to be Reported (Amended) by the Yeas and Nays: 20 – 13 – November 20, 2019</p>	
<a href="#">S. 1109</a> <a href="#">San Gabriel Mountains Foothills and Rivers Protection Act</a>	<p>To establish as a unit of the National Park System the San Gabriel National Recreation Area in the State of California, and for other purposes.</p>	<p>Introduced by Sen. Kamala Harris (D-CA) – April 10, 2019</p>	
<a href="#">H.R. 2205</a> <a href="#">Water Quality Certification Improvement Act of 2019</a>	<p>To amend the Federal Water Pollution Control Act to make changes with respect to water quality certification, and for other purposes.</p>	<p>Introduced by Rep. David McKinley (R-WV) – April 11, 2019</p>	
<a href="#">H.R. 2287</a> <a href="#">Federal Regulatory Certainty for Water Act</a>	<p>This bill nullifies the Clean Water Rule that was issued on May 27, 2015, by the Environmental Protection Agency and the U.S. Army Corps of Engineers. The rule describes the scope of the Clean Water Act.</p> <p>Under this bill, the Clean Water Act applies to waters of the United States that are (1) navigable-in-fact; or (2) permanent or continuously flowing bodies of water that form geographical features commonly known as streams, oceans, rivers, and lakes that are connected to waters that are navigable-in-fact.</p> <p>Under this bill, the Act does not apply to (1) waters that do not physically abut those waters of the United States through an actual and continuous surface water connection; (2) man-made or natural structures or channels through which water flows intermittently or ephemerally; or (3) wetlands (including playa lakes, prairie potholes, wet meadows, wet prairies, and vernal pools) that lack that continuous surface water connection.</p> <p>The aggregation of wetlands or waters may not be used to determine whether the wetlands or waters are navigable waters.</p>	<p>Introduced by Rep. Mac Thornberry (R-TX) – April 11, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2313</a> <a href="#">Water Conservation Rebate Tax Parity Act</a>	To amend the Internal Revenue Code of 1986 to expand the exclusion for certain conservation subsidies to include subsidies for water conservation or efficiency measures and storm water management measures.	Introduced by Rep. Jared Huffman (D-CA) – April 12, 2019	
<a href="#">H. Res. 324</a> <a href="#">Recognizing the importance of the United States-Israel economic relationship and encouraging new areas of cooperation</a>	(1) affirms that the United States-Israel economic partnership has achieved great tangible and intangible benefits to both countries and is a foundational component of the strong alliance; (2) recognizes that science and technology innovation present promising new frontiers for United States-Israel economic cooperation, particularly in light of widespread drought, cybersecurity attacks, and other major challenges impacting the United States; (3) encourages the President to regularize and expand existing forums of economic dialogue with Israel and foster both public and private sector participation; and (4) expresses support for the President to explore new agreements with Israel, including in the fields of energy, water, agriculture, medicine, neurotechnology, and cybersecurity.	Introduced by Rep. Ted Lieu (D-CA) – April 18, 2019	
<a href="#">H.R. 2377</a> <a href="#">Protect Drinking Water from PFAS Act of 2019</a>	To amend the Safe Drinking Water Act to require the Administrator of the Environmental Protection Agency to publish a maximum contaminant level goal and promulgate a national primary drinking water regulation for total per- and polyfluoroalkyl substances, and for other purposes.	Introduced by Rep. Brendan Boyle (D-PA) – April 29, 2019  Forwarded by Subcommittee to Full Committee on Energy and Commerce by Voice Vote – September 26, 2019	
<a href="#">S. 1251</a> <a href="#">Safe Drinking Water Assistance Act of 2019</a>	A bill to improve and coordinate interagency Federal actions and provide assistance to States for responding to public health challenges posed by emerging contaminants, and for other purposes.	Introduced by Sen. Jeanne Shaheen (D-NH) – April 30, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 1245</a> <a href="#">All-of-the-Above Federal Building Energy Conservation Act of 2019</a>	A bill to improve energy performance in Federal buildings, including water usage.	Introduced by Sen. John Hoeven (R-ND) – April 30, 2019  Placed on Senate Legislative Calendar - September 25, 2019	
<a href="#">H.R. 2462</a> <a href="#">Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</a>	To establish a pilot program to enhance the mapping of urban flooding and associated property damage and the availability of such mapped data to homeowners, businesses, and localities to help understand and mitigate the risk of such flooding, and for other purposes.	Introduced by Rep. Mike Quigley (D-IL) – May 2, 2019	
<a href="#">S. 1276</a> <a href="#">Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</a>	To establish a pilot program to enhance the mapping of urban flooding and associated property damage and the availability of such mapped data to homeowners, businesses, and localities to help understand and mitigate the risk of such flooding, and for other purposes.	Introduced by Sen. Dick Durbin (D-IL) – May 2, 2019	
<a href="#">H.R. 2458</a> <a href="#">Water Infrastructure Sustainability and Efficiency Act</a>	To amend the Federal Water Pollution Control Act to require a certain percentage of funds appropriated for revolving fund capitalization grants be used for green projects, and for other purposes.	Introduced by Rep. Debbie Mucarsel-Powell (D-FL) – May 2, 2019	
<a href="#">H.R. 2473</a> <a href="#">Securing Access for the central Valley and Enhancing (SAVE) Water Resources Act</a>	To promote water supply reliability and improved water management for rural communities, the State of California, and the Nation, and for other purposes.	Introduced by Rep. Josh Harder (D-CA) – May 2, 2019  Subcommittee on Water, Oceans, and Wildlife hearing held - June 13, 2019	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2470</a> <a href="#">Clean Water Infrastructure Resilience and Sustainability Act</a>	To direct the Administrator of the Environmental Protection Agency to establish a program to make grants to eligible entities to increase the resilience of publicly owned treatment works to natural disasters.	Introduced by Rep. Salud Carbajal (D-CA) – May 3, 2019	
<a href="#">S. 1372</a> <a href="#">PFAS Accountability Act of 2019</a>	To encourage Federal agencies to expeditiously enter into or amend cooperative agreements with States for removal and remedial actions to address PFAS contamination in drinking, surface, and ground water and land surface and subsurface strata, and for other purposes.	Introduced by Sen. Debbie Stabenow (D-MI) – May 8, 2019	
<a href="#">H.R. 2570</a> <a href="#">PFAS User Fee Act of 2019</a>	To ensure that polluters pay ongoing water treatment costs associated with contamination from perfluoroalkyl and polyfluoroalkyl substances, and for other purposes.	Introduced Rep. Harley Rouda (D-CA) – May 9, 2019  Forwarded by Subcommittee to Full Committee on Energy and Commerce by voice vote – September 26, 2019.	<i>Watching</i>
<a href="#">H.R. 2665</a> <a href="#">Smart Energy and Water Efficiency Act of 2019</a>	To direct the Secretary of Energy to establish a smart energy and water efficiency program, and for other purposes.	Introduced Rep. Jerry McNerney (D-CA) – May 13, 2019  Ordered to be Reported (Amended) by Voice Vote – July 17, 2019	
<a href="#">H.R. 2705</a> <a href="#">Water Infrastructure Trust Fund Act of 2019</a>	To establish a Water Infrastructure Trust Fund through the Treasury Department - 50% of the fund shall be available to the EPA for capitalization grants under §601 of the Federal Water Pollution Control Act and 50% of the fund shall be available to the EPA for capitalization grants under §1452 under the Safe Drinking Water Act.	Introduced by Rep. Earl Blumenauer (D-OR) – May 14, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 1473</a> <a href="#">Protect Drinking Water from PFAS Act of 2019</a>	To amend the Safe Drinking Water Act to require the Administrator of the Environmental Protection Agency to set maximum contaminant levels for certain chemicals, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – May 15, 2019	
<a href="#">H.R. 2800</a> <a href="#">PFAS Monitoring Act of 2019</a>	To amend the Safe Drinking Water Act to require continued and expanded monitoring of perfluoroalkyl and polyfluoroalkyl substances in drinking water, and for other purposes.	Introduced by Rep. Elissa Slotkin (D-MI) – May 16, 2019	
<a href="#">S. 1507</a> <a href="#">PFAS Release Disclosure Act</a>	To include certain perfluoroalkyl and polyfluoroalkyl substances in the toxics release inventory, and for other purposes.	Introduced by Sen. Shelley Moore Capito (R-WV) – May 16, 2019  Passed the Senate Committee on Environment and Public Works and placed on the Senate Calendar for a full vote – June 19, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2776</a> <a href="#">Stop Sewage</a> <a href="#">Overflow Act</a>	<p>To make certain municipalities eligible for grants under the Federal Water Pollution Control Act. Grant cost shares would be applicable as follows:</p> <ul style="list-style-type: none"> <li>• Not less than 55 percent for municipalities the affected residents of which pay, on average, 2.0 percent or less of their household income for sewer service.</li> <li>• Not less than 60 percent for municipalities the affected residents of which pay, on average, more than 2.0 percent, but not more than 2.5 percent, of their household income for sewer service.</li> <li>• Not less than 65 percent for municipalities the affected residents of which pay, on average, more than 2.5 percent, but not more than 3.0 percent, of their household income for sewer service.</li> <li>• Not less than 70 percent for municipalities the affected residents of which pay, on average, more than 3.0 percent, but not more than 3.5 percent, of their household income for sewer service.</li> <li>• Not less than 75 percent for municipalities the affected residents of which pay, on average, more than 3.5 percent of their household income for sewer service.</li> <li>•</li> </ul>	<p>Introduced by Rep. Lori Traham (D-MA) – May 16, 2019</p>	
<a href="#">H.R. 2871</a> <a href="#">Aquifer Recharge</a> <a href="#">Flexibility Act</a>	<p>To provide flexibility to allow greater aquifer recharge. Eligible land, with respect to a Reclamation project, means land that is authorized to receive water under State law and shares a groundwater source with land located in the service area of the Reclamation project.</p>	<p>Introduced by Rep. Russ Fulcher (R-ID) – May 21, 2019</p>	
<a href="#">S. 1604</a> <a href="#">Local Water</a> <a href="#">Protection Act</a>	<p>To amend the Federal Water Pollution Control Act to reauthorize certain programs relating to nonpoint source management – specifically authorization appropriations of \$7,500,000 per year for FY2020 through FY2024.</p>	<p>Introduced by Sen. Amy Klobuchar (D-MN) - May 22, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<p><b><a href="#">S. 1689</a></b>  <a href="#">A bill to permit States to transfer certain funds from the clean water revolving fund of a State to the drinking water revolving fund of the State in certain circumstances, and for other purposes.</a></p>	<p>To permit States to transfer certain funds from the clean water revolving fund of a State to the drinking water revolving fund of the State in certain circumstances, and for other purposes.</p>	<p>Introduced by Sen. Cory Booker (D-NJ) – May 23, 2019</p> <p>Became Public Law No: 116-63 – October 4, 2019</p>	<p><i>Watching</i></p>
<p><b><a href="#">S. Res. 213</a></b>  <a href="#">A resolution designating the week of May 19 through May 25, 2019 as “National Public Works Week.”</a></p>	<p>This resolution designates the week of May 19-May 25, 2019, as National Public Works Week.</p>	<p>Introduced by Sen. Jim Inhofe (R-OK) – May 23, 2019</p> <p>Passed the Senate – May 23, 2019</p>	
<p><b><a href="#">S. 1811</a></b>  <a href="#">A bill to make technical corrections to the America’s Water Infrastructure Act of 2018</a></p>	<p>To make technical corrections to the America’s Water Infrastructure Act of 2018. Corrections include:</p> <ul style="list-style-type: none"> <li>• Extending the Non-Federal Implementation Pilot Program from five to ten years; and</li> <li>• Amending the local government reservoir permit review to remove the limitation of those only owned and operated by the Secretary.</li> </ul>	<p>Introduced by Sen. John Barrasso (R-WY)</p> <p>Passed the Senate – July 10, 2019</p>	
<p><b><a href="#">S. 1857</a></b>  <a href="#">Federal Energy and Water Management Performance Act of 2019</a></p>	<p>To amend the National Energy Conservation Policy Act to improve Federal energy and water performance requirements for Federal buildings and establish a Federal Energy Management Program. The program is to exist from 2020-2030. One area addressed is to improve water use efficiency and management, including stormwater management, at facilities of the agency by reducing agency potable water consumption intensity (as measure in galls per gross square food) by 54% by FY2030, relative to the water consumption of the agency in FY2007 and through reductions of 2% each fiscal year.</p>	<p>Introduced by Sen. Lisa Murkowski (R-AK) – June 13, 2019</p> <p>Placed on Senate Legislative Calendar – September 25, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 3254</a> <a href="#">PIPE Act</a>	<p>To require the Administrator of the Environmental Protection Agency to establish a discretionary grant program for drinking water and wastewater infrastructure projects, and for other purposes. Priority of the grant program would be to help bring public water systems into compliance with the Safe Drinking Water Act or for publicly owned treatment works into compliance with the Federal Water Pollution Control Act. The federal cost share of projects under this program will not exceed 100%. The grants program is to be authorized for \$500,000,000 a year for fiscal years 2020 through 2029.</p>	<p>Introduced by Rep. Antonio Delgado (D-NY)</p>	
<a href="#">S. 1932</a> <a href="#">Drought Resiliency and Water Supply Infrastructure Act</a>	<p>To support water infrastructure in Reclamation states and for other purposes. The bill includes a 5-year, \$100 million reauthorization of the Bureau of Reclamation's Title XVI Water Reclamation and Reuse competitive grant program, originally authorized in the 2016 Water Infrastructure Improvements for the Nation (WIIN) Act (Title XVI-WIIN). In addition to the key Title XVI-WIIN Competitive Grant Program, the legislation includes \$60 million for desalination, additional funding for surface and groundwater storage, and a new low-interest loan program for the financing of a range of water infrastructure projects.</p>	<p>Introduced by Sen. Cory Gardner (RCO) – June 20, 2019</p> <p>Subcommittee hearing held in the Senate – July 18, 2019</p>	
<a href="#">H.R. 3423</a> <a href="#">National Green Bank Act of 2019</a>	<p>To amend title 31, United States Code, to provide for the issuance of Green Bonds and to establish the United States Green Bank, and for other purposes.</p>	<p>Introduced by Rep. Jim Himes (D-CT) – June 21, 2019</p>	
<a href="#">H.R. 3521</a> <a href="#">Wastewater Infrastructure Workforce Investment Act</a>	<p>To amend the Federal Water Pollution Control Act with respect to wastewater infrastructure workforce development, and for other purposes. Amends the language from manpower to workforce. Gives the states the ability to reserve up to 1% of the sums allotted to the state under this section for the fiscal year to carry out workforce development, training, and retraining.</p>	<p>Introduced Rep. Greg Stanton (D-AZ) – June 26, 2019</p>	
<a href="#">H.R. 3510</a> <a href="#">Water Resources Research Amendments Act</a>	<p>To amend the Water Resources Research Act of 1984 to reauthorize grants for and require applied water supply research regarding the water resources research and technology institutes established under that Act.</p>	<p>Introduced by Rep. Josh Harder (D-CA) – June 26, 2019</p> <p>Subcommittee on Water, Oceans, and Wildlife hearing – July 25, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2044</a> <a href="#">Water Supply Infrastructure Rehabilitation and Utilization Act</a>	To amend the Omnibus Public Land Management Act of 2009 to establish an Aging Infrastructure Account, to amend the Reclamation Safety of Dams Act of 1978 to provide additional funds under that Act, to establish a review of flood control rule curves pilot project within the Bureau of Reclamation, and for other purposes.	Introduced by Sen. Martha McSally (R-AZ) – June 27, 2019  Placed on Senate Legislative Calendar – October 29, 2019	
<a href="#">S. 2013</a> <a href="#">A bill to protect the right of individuals to bear arms at water resources development projects</a>	To protect the right of individuals to bear arms at water resources development projects.	Introduced by Sen. Mike Crapo (R-ID) – June 27, 2019	<i>Watching</i>
<a href="#">H.R. 3616</a> <a href="#">Clean Water Standards for PFAS Act of 2019</a>	To require the Administrator of the Environmental Protection Agency to designate per- and polyfluoroalkyl substances as toxic pollutants under the Federal Water Pollution Control Act, and for other purposes.	Introduced by Rep. Chris Pappas (D-NH) – July 2, 2019	
<a href="#">S. 2056</a> <a href="#">Build America, Buy America Act</a>	To ensure that certain Federal infrastructure programs require the use of materials produced in the United States, and for other purposes.	Introduced by Sen. Sherrod Brown (D-OH) – July 8, 2019	
<a href="#">H.R. 3723</a> <a href="#">Desalination Development Act</a>	To promote desalination project development and drought resilience, and for other purposes.	Introduced by Rep. Mike Levin (D-CA) – July 11, 2019  Subcommittee on Waters, Oceans, and Wildlife hearing held July 25, 2019.	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R.3779</a> <a href="#">Resilience</a> <a href="#">Revolving Loan</a> <a href="#">Fund Act of 2019</a>	To amend the Robert T. Stafford Disaster Relief and Emergency Assistance Act to allow the Administrator of the Federal Emergency Management Agency to provide capitalization grants to eligible entities to establish revolving funds to provide assistance to reduce disaster risks, and for other purposes.	Introduced by Rep. Angie Craig (D-MN) – July 16, 2019  Ordered to be Reported (Amended) by Voice Vote – September 19, 2019	
<a href="#">H.R. 3844</a> <a href="#">Farmer Fairness Act</a>	To amend the Federal Water Pollution Control Act to require all persons exercising substantial operational control over a concentrated animal feeding operation to jointly obtain a permit for certain discharges, and for other purposes.	Introduced by Rep. Ro Khanna (D-CA) – July 18, 2019	
<a href="#">S.2187</a> <a href="#">National Flood Insurance Program</a> <a href="#">Reauthorization and Reform Act of 2019</a>	To reauthorize the National Flood Insurance Program, and for other purposes.	Introduced by Sen. Robert Menendez (D-NJ) – July 18, 2019	
<a href="#">S. 2164</a> <a href="#">Water Resources Research</a> <a href="#">Amendments Act</a>	To amend the Water Resources Research Act of 1984 to reauthorize grants for and require applied water supply research regarding the water resources research and technology institutes established under that Act.	Introduced by Sen. Ben Cardin (D-MD) – July 18, 2019	
<a href="#">S.2239</a> <a href="#">A bill to codify an Executive order</a> <a href="#">preparing the United States for the impacts of climate change, and for other purposes</a>	To codify an Executive order preparing the United States for the impacts of climate change, and for other purposes.	Introduced by Sen. Amy Klobuchar (D-MN) – July 23, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><b>H.R. 3944</b></a> <a href="#">To amend the Water Resources Reform and Development Act of 2014 to modify the procedure for communicating certain emergency risks, and for other purposes.</a>	To amend the Water Resources Reform and Development Act of 2014 to modify the procedure for communicating certain emergency risks, and for other purposes.	Introduced by Rep. Kevin Hern (R-OK) – July 24, 2019	
<a href="#"><b>H.R.3949</b></a> <a href="#">Safe Drinking Water in Playgrounds and Parks Act</a>	To amend the Safe Drinking Water Act to provide for drinking water fountain replacement in playgrounds and parks, and for other purposes.	Introduced by Rep. Grace Meng (D-NY) – July 24, 2019	
<a href="#"><b>H.R.4050</b></a> <a href="#">ZERO WASTE Act</a>	To direct the Administrator of the Environmental Protection Agency to award grants for projects that are consistent with zero-waste practices, and for other purposes.	Introduced by Rep. Ilhan Omar (D-MN) – July 25, 2019	
<a href="#"><b>H.R.4033</b></a> <a href="#">Water Justice Act</a>	To provide supplemental appropriations for safe and secure water, and for other purposes.	Introduced by Rep. Daniel Kildee (D-MI) – July 25, 2019	
<a href="#"><b>H.R.4006</b></a> <a href="#">CLEANER Act of 2019</a>	To require regulation of wastes associated with the exploration, development, or production of crude oil, natural gas, or geothermal energy under the Solid Waste Disposal Act, and for other purposes.	Introduced by Rep. Matt Cartwright (D-PA) – July 26, 2019	
<a href="#"><b>H.R.4007</b></a> <a href="#">Focused Reduction of Effluence and Stormwater runoff through Hydrofracking Environmental Regulation Act of 2019</a>	To amend the Federal Water Pollution Control Act and direct the Secretary of the Interior to conduct a study with respect to stormwater runoff from oil and gas operations, and for other purposes.	Introduced by Rep. Matt Cartwright (D-PA) – July 26, 2019	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.2325</a> <a href="#">Super Pollutants Act</a>	To establish a task force to review policies and measures to promote, and to develop best practices for, reduction of short-lived climate pollutants, and for other purposes.	Introduced by Sen. Murphy (D-CT) – July 30, 2019  Placed on Senate Legislative Calendar – November 7, 2019	
<a href="#">S.2356</a> <a href="#">Define WOTUS Act of 2019</a>	To provide a definition of navigable waters, and for other purposes.	Introduced by Mike Braun (R-IN) – July 31, 2019	
<a href="#">S. 2353</a> <a href="#">Protecting Firefighters from Adverse Substances Act of 2019</a>	To direct the Administrator of the Federal Emergency Management Agency to develop guidance for firefighters and other emergency response personnel on best practices to protect them from exposure to PFAS and to limit and prevent the release of PFAS into the environment, and for other purposes.	Introduced by Sen. Gary Peters (D-MI) – July 31, 2019  Committee on Homeland Security and Governmental Affairs. Ordered to be reported without amendment favorably – November 6, 2019	
<a href="#">S.2410</a> <a href="#">Flood Reduction, Wildlife Habitat, and Water Quality Improvement Act of 2019</a>	To amend the Federal Water Pollution Control Act to modify the requirements for permits for dredged or fill material, and for other purposes.	Introduced by Sen. Cindy Hyde-Smith (R-MS) – July 31, 2019	
<a href="#">S.2404</a> <a href="#">Build Local, Hire Local Act</a>	To establish an expansive infrastructure program to create local jobs and raise the quality of life in every community, to launch middle class career pathways in infrastructure, and to invest in high-quality American jobs, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – July 31, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.4143</u></a> <a href="#"><u>Super Pollutants Act of 2019</u></a>	To establish a task force to review policies and measures to promote, and to develop best practices for, reduction of short-lived climate pollutants, and for other purposes.	Introduced by Rep. Scott Peters (D-CA) – August 2, 2019	
<a href="#"><u>H.R. 4149</u></a> <a href="#"><u>REGION Act</u></a>	To prohibit the closure, consolidation, or elimination of offices of the Environmental Protection Agency.	Introduced by Rep. Debbie Dingell (D-MI) – August 2, 2019	
<a href="#"><u>H.R. 4205</u></a> <a href="#"><u>FLARE Act</u></a>	To require the Secretary of Agriculture to reimburse sponsors for certain costs of emergency water protection measures, and for other purposes.	Introduced by Rep. John Curtis (R-UT) – August 23, 2019	
<a href="#"><u>H.R. 4266</u></a> <a href="#"><u>Clean Water Through Green Infrastructure Act</u></a>	To establish centers of excellence for innovative stormwater control infrastructure, and for other purposes.	Introduced by Rep. Denny Heck (D-WA) – September 10, 2019	
<a href="#"><u>S. 2456</u></a> <a href="#"><u>Clean Water Through Green Infrastructure Act</u></a>	To establish centers of excellence for innovative stormwater control infrastructure, and for other purposes.	Introduced by Sen. Tom Udall (R-NM) – September 10, 2019	
<a href="#"><u>S. 2466</u></a> <a href="#"><u>Water Justice Act</u></a>	To provide supplemental appropriations for safe and secure water, and for other purposes.	Introduced by Sen. Kamala Harris (D-CA) – September 11, 2019	
<a href="#"><u>S.2470</u></a> <a href="#"><u>Energy and Water Development and Related Agencies Appropriations Act, 2020</u></a>	Making appropriations for energy and water development and related agencies for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Sen. Lamar Alexander (R-TN) – September 12, 2019  Placed on Senate Legislative Calendar – September 12, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.4321</u></a> <a href="#"><u>GET THE LEAD OUT Act of 2019</u></a>	To eliminate lead-based pipe and tap hazards in housing, and for other purposes.	Introduced by Rep. Tim Ryan (D-OH) – September 12, 2019	
<a href="#"><u>H.R.4341</u></a> <a href="#"><u>Critically Endangered Animals Conservation Act of 2019</u></a>	To assist in the conservation of critically endangered species in foreign countries, and for other purposes.	Introduced by Rep. Jarred Huffman (D-CA) – September 12, 2019  Natural Resources Subcommittee on Water, Oceans, and Wildlife hearing held - September 24, 2019	
<a href="#"><u>H.R.4347</u></a> <a href="#"><u>PREPARE Act of 2019</u></a>	To enhance the Federal Government’s planning and preparation for extreme weather and the Federal Government’s dissemination of best practices to respond to extreme weather, thereby increasing resilience, improving regional coordination, and mitigating the financial risk to the Federal Government from such extreme weather, and for other purposes.	Introduced by Rep. Matt Cartwright (D-PA) – September 17, 2019  Ordered to be reported by voice vote – September 19, 2019	
<a href="#"><u>S.2491</u></a> <a href="#"><u>Protect America's Wildlife and Fish in Need of Conservation Act of 2019</u></a>	To terminate certain rules issued by the Secretary of the Interior and the Secretary of Commerce relating to endangered and threatened species, and for other purposes.	Introduced by Sen. Tom Udall (D-NM) – September 17, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.2522</u></a> <a href="#"><u>Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2020</u></a>	Making appropriations for Agriculture, Rural Development, Food and Drug Administration, and Related Agencies for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. John Hoeven (R-ND) – September 19, 2019  Placed on Senate Legislative Calendar – September 19, 2019	
<a href="#"><u>H.R.4348</u></a> <a href="#"><u>PAW and FIN Conservation Act of 2019</u></a>	To terminate certain rules issued by the Secretary of the Interior and the Secretary of Commerce relating to endangered and threatened species, and for other purposes.	Introduced by Rep. Raul Grijalva (D-AZ) – September 24, 2019  Natural Resources Subcommittee on Water, Oceans, and Wildlife – September 24, 2019	
<a href="#"><u>S.Res.324</u></a> <a href="#"><u>A resolution designating September 29, 2019, as "National Urban Wildlife Refuge Day"</u></a>	Designating September 29, 2019, as “National Urban Wildlife Refuge Day”.	Introduced by Sen. Cory Gardner (R-CO) – September 24, 2019  Resolution agreed to in Senate without amendment and with a preamble by Unanimous Consent – October 16, 2019	
<a href="#"><u>H.R.4483</u></a> <a href="#"><u>Localizing Authority of Management Plans Act of 2019</u></a>	To amend the Endangered Species Act of 1973 to increase State and local involvement in management plans.	Introduced by Rep. Don Young (R-AK) – September 24, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.2580</a> <a href="#">Department of the Interior, Environment, and Related Agencies Appropriations Act, 2020</a>	Making appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Sen. Lisa Murkowski (R-AK) – September 26, 2019  Placed on Senate Legislative Calendar – September 26, 2019	
<a href="#">H.R.4512</a> <a href="#">Outdoors for All Act</a>	To provide grants for projects to acquire land and water for parks and other outdoor recreation purposes and to develop new or renovate existing outdoor recreation facilities.	Introduced by Rep. Nanette Diaz Barragan (D-CA) – September 26, 2019	
<a href="#">H.R.4416</a> <a href="#">Lead-Free Future Act of 2019</a>	To authorize the Secretary of Housing and Urban Development to award grants to eligible entities to evaluate and reduce lead-based paint hazards, lead in drinking water hazards, and lead in soil hazards in pre-1978 residential real properties.	Introduced by Rep. Jared Golden (D-ME) – October 2, 2019	
<a href="#">H.R.4659</a> <a href="#">Water Supply Infrastructure Rehabilitation and Utilization Act</a>	To amend the Omnibus Public Land Management Act of 2009 to establish an Aging Infrastructure Account, to amend the Reclamation Safety of Dams Act of 1978 to provide additional funds under that Act, to establish a review of flood control rule curves pilot project within the Bureau of Reclamation, and for other purposes.	Introduced by Rep. Newhouse (R-WA) – October 11, 2019	
<a href="#">S.2596</a> <a href="#">Voluntary Water Partnership for Distressed Communities Act of 2019</a>	To amend the Safe Drinking Water Act to authorize certain community water systems to enter into partnerships to improve the water systems, and for other purposes.	Introduced by Sen. Tammy Duckworth (D-IL) – October 15, 2019	
<a href="#">H.Res.628</a> <a href="#">Expressing support for the designation of the week beginning on October 13, 2019, as National Wildlife Refuge Week</a>	Expressing support for the designation of the week beginning on October 13, 2019, as National Wildlife Refuge Week.	Introduced by Rep. Mike Thompson (D-CA) – October 15, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.Res.362</a> <a href="#">A resolution designating the week beginning on October 13, 2019, as "National Wildlife Refuge Week"</a>	Designating the week beginning on October 13, 2019, as “National Wildlife Refuge Week”.	Introduced by Sen. Chris Coons (D-DE) – October 17, 2019  Resolution agreed to in Senate without amendment and with a preamble by Unanimous Consent – October 24, 2019	
<a href="#">S. 2636</a> <a href="#">Clean Water Infrastructure Resilience and Sustainability Act</a>	To amend the Federal Water Pollution Control Act to establish a program to make grants to eligible entities to increase the resilience of publicly owned treatment works to natural hazards, and for other purposes.	Introduced by Sen. Benjamin Cardin (D-MD) – October 17, 2019	
<a href="#">H.R. 4723</a> <a href="#">Fish Act of 2019</a>	To require the identification of salmon conservation areas, and for other purposes.	Introduced by Rep. Jared Huffman (D-CA) – October 17, 2019  House Natural Resources Subcommittee on Water, Oceans, and Wildlife Hearing – January 14, 2020	
<a href="#">H.R.4732</a> <a href="#">To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes</a>	To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes.	Introduced by Rep. Nydia Velasquez (D-NY) – October 17, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.Res.372</u></a> <a href="#"><u>A resolution expressing the sense of the Senate that the Federal Government should establish a national goal of conserving at least 30 percent of the land and ocean of the United States by 2030</u></a>	<p>Expressing the sense of the Senate that the Federal Government should establish a national goal of conserving at least 30 percent of the land and ocean of the United States by 2030.</p>	<p>Introduced by Sen. Tom Udall (D-NM) – October 22, 2019</p>	
<a href="#"><u>H.R.4780</u></a> <a href="#"><u>National Infrastructure Investment Corporation Act of 2019</u></a>	<p>To establish a Government corporation to provide loans and loan guarantees for infrastructure projects, and for other purposes.</p>	<p>Introduced by Rep. Salud Carbajal (D-CA) – October 22, 2019</p>	
<a href="#"><u>S.2674</u></a> <a href="#"><u>Assuring Quality Water Infrastructure Act</u></a>	<p>To amend the Safe Drinking Water Act to establish a grant program for improving infrastructure asset management by small public water systems, and for other purposes.</p>	<p>Introduced by Sen. Shelley Capito (R-WV) – October 23, 2019</p>	
<a href="#"><u>S. 2687</u></a> <a href="#"><u>Low-Income Water Customer Assistance Programs Act of 2019</u></a>	<p>To amend the Safe Drinking Water Act and the Federal Water Pollution Control Act to establish pilot programs to assist low-income households in maintaining access to sanitation services and drinking water, and for other purposes.</p>	<p>Introduced by Sen. Benjamin Cardin (D-MD) – October 23, 2019</p>	
<a href="#"><u>H.R.4832</u></a> <a href="#"><u>Low-Income Water Customer Assistance Programs Act of 2019</u></a>	<p>To amend the Safe Drinking Water Act and the Federal Water Pollution Control Act to establish pilot programs to assist low-income households in maintaining access to sanitation services and drinking water, and for other purposes.</p>	<p>Introduced by Rep. Marcia Judge (D-OH) – October 23, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.4891</u></a> <a href="#"><u>Western Water Security Act of 2019</u></a>	To provide for the conduct of certain water security measures in the Western United States, and for other purposes.	Introduced by Rep. Xochitl Torres Small (D-NM) – October 28, 2019	
<a href="#"><u>S.2767</u></a> <a href="#"><u>A bill to amend the Federal Water Pollution Control Act to establish a pilot competitive grant program for improving the sharing of water quality data, and for other purposes</u></a>	To amend the Federal Water Pollution Control Act to establish a pilot competitive grant program for improving the sharing of water quality data, and for other purposes.	Introduced by Sen. Doug Jones (D-AL) – October 31, 2019	
<a href="#"><u>S.2783</u></a> <a href="#"><u>Responsibly Enhancing America's Landscapes Act</u></a>	To amend title 54, United States Code, to establish, fund, and provide for the use of amounts in a National Park Service Legacy Restoration Fund to address the maintenance backlog of the National Park Service, and for other purposes.	Introduced by Sen. Michael Enzi (R-WY) – November 5, 2019	
<a href="#"><u>S.2799</u></a> <a href="#"><u>Nexus of Energy and Water for Sustainability Act of 2019</u></a>	To require the Secretary of Energy and the Secretary of the Interior to establish a joint Nexus of Energy and Water Sustainability Office, and for other purposes.	Introduced by Sen. Lisa Murkowski (R-AK) –November 6, 2019  Sen. Murkowski from Committee on Energy and Natural Resources filed written report – January 7, 2020	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.2792 Penny Plan to Enhance Infrastructure Act of 2019</a>	To amend the Balanced Budget and Emergency Deficit Control Act of 1985 to establish a discretionary spending limit for infrastructure spending.	Introduced by Sen. Rand Paul (R-KY) – November 6, 2019	
<a href="#">S.2862 Drought Relief through Innovative Projects Act of 2019</a>	To direct the Secretary of Agriculture to establish a grant program to remove nonnative plant species that contribute to drought conditions, and for other purposes.	Introduced by Sen. Krysten Sinema (D-AZ)-November 14, 2019	
<a href="#">H.R.5095 Endangered Species Accountability Reform Act</a>	To require the Secretary of the Interior to delist certain endangered species and threatened species.	Introduced by Rep.Rep. Blaine Luetkemeyer (R-MO) – November 14, 2019	
<a href="#">H.R.5120 SAFER Pipelines Act of 2019</a>	To amend title 49, United States Code, to provide enhanced safety and environmental protection in pipeline transportation, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – November 20, 2019	
<a href="#">H.R.5176 Climate Resiliency Service Corps Act of 2019</a>	To amend the National and Community Service Act of 1990 to establish a climate resiliency service corps to help communities withstand and respond to changes in the Earth’s climate with respect to natural disasters, and for other purposes.	Introduced by Rep. Judy Chu (D-CA) – November 19, 2019	
<a href="#">H.R.5193 Buy America for Drinking Water Extension Act of 2019</a>	To amend the Safe Drinking Water Act to extend and expand the provision requiring the use of iron and steel products that are produced in the United States in projects funded through a State drinking water treatment revolving loan fund.	Introduced by Rep. Cheri Bustos (D-IL) – November 20, 2019	
<a href="#">H.R.5217 WOW Act</a>	To provide for western water security, reliability, modernization, and abundance, and for other purposes.	Introduced by Rep. Tom McClintock (R-CA) – November 21, 2019	
<a href="#">H.R.5288 Upper Mississippi River Flood Control Act</a>	To amend the Water Resources Development Act of 1999 to direct the Secretary of the Army to develop a plan to address water resource problems in the Upper Mississippi River Basin, and for other purposes.	Introduced by Rep. Blaine Luetkemeyer (R-MO) – December 3, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.2978</u></a> <a href="#"><u>Energy and Water Research Integration Act of 2019</u></a>	To ensure consideration of water intensity in the Department of Energy's energy research, development, and demonstration programs to help guarantee efficient, reliable, and sustainable delivery of energy and clean water resources.	Introduced by Sen. Catherine Cortez Masto (D-NV) – December 4, 2019	
<a href="#"><u>S. 2980</u></a> <a href="#"><u>Clean Water Standards for PFAS Act of 2019</u></a>	To require the promulgation of certain standards for perfluoroalkyl and polyfluoroalkyl substances under the Federal Water Pollution Control Act, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – December 4, 2019	
<a href="#"><u>H.R.5302</u></a> <a href="#"><u>Western Water Recycling and Drought Relief Act</u></a>	To amend the Reclamation Wastewater and Groundwater Study and Facilities Act to authorize certain recycled water projects, and for other purposes.	Introduced by Rep. Jerry McNerney (D-CA) – December 4, 2019	
<a href="#"><u>H.R. 5303</u></a> <a href="#"><u>California Central Coast Conservation Act</u></a>	To establish a moratorium on oil and gas leasing on public land on the Central Coast of California.	Introduced by Rep. Jimmy Panetta (D-CA) – December 4, 2019	
<a href="#"><u>H.R.5316</u></a> <a href="#"><u>Move Water Now Act</u></a>	To provide for the restoration of the original carrying capacity of canals impacted by land subsidence, and for other purposes.	Introduced by Rep. TJ Cox (D-CA) – December 5, 2019	
<a href="#"><u>H.R.5347</u></a> <a href="#"><u>Disadvantaged Community Drinking Water Assistance Act</u></a>	To require the Secretary of the Interior to establish a grant program to close gaps in access to safe drinking water in disadvantaged communities, and for other purposes.	Introduced by Rep. TJ Cox (D-CA) – December 6, 2019	
<a href="#"><u>H.R.5361</u></a> <a href="#"><u>Safe Drinking Water Assistance Act of 2019</u></a>	To improve and coordinate interagency Federal actions and provide assistance to States for responding to public health challenges posed by emerging contaminants, and for other purposes.	Introduced by Rep. Lisa Blunt Rochester (D-DE) – December 9, 2019	
<a href="#"><u>S.3044</u></a> <a href="#"><u>Western Tribal Water Infrastructure Act of 2019</u></a>	To amend the America's Water Infrastructure Act of 2018 to expand the Indian reservation drinking water program, and for other purposes.	Introduced by Sen. Ron Wyden (D-OR) – December 12, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.3046</a> <a href="#">Wastewater Efficiency and Treatment Act of 2019</a>	To amend the Energy Policy Act of 2005 to establish a program to provide grants and loan guarantees to improve the energy efficiency of publicly owned wastewater treatment facilities, and for other purposes.	Introduced by Sen. Jeff Merkley (D-OR) – December 12, 2019	
<a href="#">S.3051</a> <a href="#">America's Conservation Enhancement Act</a>	To improve protections for wildlife, and for other purposes.	Introduced by John Barrasso (R-WY) – December 12, 2019	
<a href="#">H.R.5430</a> <a href="#">United States-Mexico-Canada Agreement Implementation Act</a>	To implement the Agreement between the United States of America, the United Mexican States, and Canada attached as an Annex to the Protocol Replacing the North American Free Trade Agreement.	Introduced by Rep. Steny Hoyer (D-MD) December 13, 2019  Presented to the President – January 22, 2020	
<a href="#">S.3052</a> <a href="#">United States-Mexico-Canada Agreement Implementation Act</a>	To implement the Agreement between the United States of America, the United Mexican States, and Canada attached as an Annex to the Protocol Replacing the North American Free Trade Agreement.	Introduced by Sen. Chuck Grassley (R-IA) – December 16, 2019	
<a href="#">H.R.5435</a> <a href="#">American Public Lands and Waters Climate Solution Act of 2019</a>	To require the Secretary of the Interior and the Chief of the United States Forest Service to meet certain targets for the reduction of the emission of greenhouse gases, and for other purposes.	Introduced by Rep. Raul Grijalva (D-AZ) – December 16, 2019	
<a href="#">H.R.5445</a> <a href="#">Critical Infrastructure Act of 2019</a>	To amend the Endangered Species Act of 1973 to encourage the construction of critical infrastructure, and for other purposes.	Introduced by Rep. Chris Stewart (R-UT) – December 17, 2019	
<a href="#">S. 3082</a> <a href="#">LEVEE Act</a>	To establish a program to establish permanent features for flood control in areas in which temporary features have been constructed, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – December 18, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<p><b><a href="#">H.R.5504</a></b>  <a href="#">To amend the National Dam Safety Program Act with respect to the definition of eligible high hazard potential dam, and for other purposes</a></p>	<p>To amend the National Dam Safety Program Act with respect to the definition of eligible high hazard potential dam, and for other purposes.</p>	<p>Introduced by Rep. Julia Brownley (D-CA) – December 19, 2019</p>	
<p><b><a href="#">H.R.5513</a></b>  <a href="#">Affordable Safe Drinking Water Act of 2019</a></p>	<p>To amend the Federal Water Pollution Control Act and the Safe Drinking Water Act to modify the payment periods of loans from State revolving funds under those Acts, and for other purposes.</p>	<p>Introduced by Rep. Joseph Kennedy (D-MA) – December 20, 2019</p>	
<p><b><a href="#">H.R.5539</a></b>  <a href="#">Clean Water Standards for PFAS Act of 2020</a></p>	<p>To require the Administrator of the Environmental Protection Agency to review and develop effluent standards, pretreatment standards, and water quality criteria for PFAS under the Federal Water Pollution Control Act, to provide Federal grants to publicly owned treatment works to implement standards, and for other purposes.</p>	<p>Introduced by Rep. Chris Pappas (D-NH) – January 3, 2020</p>	
<p><b><a href="#">H.R. 5540</a></b>  <a href="#">PFAS Transparency Act</a></p>	<p>To require, pursuant to the Federal Water Pollution Control Act, disclosure of the introduction of perfluoroalkyl or polyfluoroalkyl substances into treatment works, and for other purposes.</p>	<p>Introduced by Rep. Antonio Delgado (D-NY) – January 3, 2020</p>	
<p><b><a href="#">S.3160</a></b>  <a href="#">Affordable Safe Drinking Water Act of 2020</a></p>	<p>To amend the Federal Water Pollution Control Act and the Safe Drinking Water Act to modify the payment periods of loans from State revolving funds under those Acts, and for other purposes.</p>	<p>Introduced by Sen. Elizabeth Warren (D-MA) – January 8, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.3171</u></a> <a href="#"><u>Protect and Restore America's Estuaries Act</u></a>	To amend the Federal Water Pollution Control Act to reauthorize the National Estuary Program, and for other purposes.	Introduced by Se. Whitehouse (D-RI) – January 9, 2020	
<a href="#"><u>S.3176</u></a> <a href="#"><u>United States-Israel Security Assistance Authorization Act of 2020</u></a>	To amend the Foreign Assistance Act of 1961 and the United States-Israel Strategic Partnership Act of 2014 to make improvements to certain defense and security assistance provisions and to authorize the appropriations of funds to Israel, and for other purposes.	Introduced by Sen. Marco Rubio (R-FL) – January 9, 2020	
<a href="#"><u>H.R.5579</u></a> <a href="#"><u>LIST Act of 2020</u></a>	To amend the Endangered Species Act of 1973 to provide for improved precision in the listing, delisting, and downlisting of endangered species and potentially endangered species.	Introduced by Rep. Greg Gianforte (R-MT) – January 10, 2020	
<a href="#"><u>H.R. 5580</u></a> <a href="#"><u>Bring ESA Into the 21st Century Act</u></a>	To codify certain rules issued by the Secretary of the Interior and the Secretary of Commerce relating to endangered species and threatened species, and for other purposes.	Introduced by Rep. Paul Gosar (R-AZ) – January 10, 2020	
<a href="#"><u>H.R.5588</u></a> <a href="#"><u>WHOLE Act of 2020</u></a>	To amend the Endangered Species Act of 1973 to provide for consideration of the totality of conservation measures in determining the impact of proposed Federal agency action.	Introduced by Rep. Dan Newhouse (R-WA) – January 13, 2020	
<a href="#"><u>H.R. 5585</u></a> <a href="#"><u>Listing Reform Act</u></a>	To amend the Endangered Species Act of 1973 to require review of the economic cost of adding a species to the list of endangered species or threatened species, and for other purposes.	Introduced by Rep. Pete Olson (R-TX) – January 13, 2020	
<a href="#"><u>H.R.5591</u></a> <a href="#"><u>Critical Habitat Improvement Act</u></a>	To amend the Endangered Species Act of 1973 to add requirements to the designation of areas as critical habitats, and for other purposes.	Introduced by Rep. Mike Johnson (R-LA) – January 13, 2020	
<a href="#"><u>H.R. 5594</u></a> <a href="#"><u>EMPOWERS Act of 2020</u></a>	To provide for greater county and State consultation with regard to petitions under the Endangered Species Act of 1973, and for other purposes.	Introduced by Rep. Jason Smith (R-MO) – January 13, 2020	
<a href="#"><u>H.R. 5595</u></a> <a href="#"><u>Israel Anti-Boycott Act</u></a>	To impose additional prohibitions relating to foreign boycotts under Export Control Reform Act of 2018, and for other purposes.	Introduced by Rep. Lee Zeldin (R-NY) – January 13, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 5601</u></a> <a href="#"><u>Property Rights Protection Act of 2020</u></a>	To protect private property rights, and for other purposes.	Introduced by Rep. Ralph Norman (R-SC) – January 14, 2020	
<a href="#"><u>H.Res.797</u></a> <a href="#"><u>Encouraging the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken this landmark law and protections for United States waters</u></a>	Encouraging the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken this landmark law and protections for United States waters.	Introduced by Rep. Debbie Dingell (D-MI) – January 14, 2020	
<a href="#"><u>H.R.5598</u></a> <a href="#"><u>Boundary Waters Wilderness Protection and Pollution Prevention Act</u></a>	To provide for the protection of the Boundary Waters Canoe Area Wilderness and interconnected Federal lands and waters, including Voyageurs National Park, within the Rainy River Watershed in the State of Minnesota, and for other purposes.	Introduced by Rep. Betty McCollum (D-MN) – January 14, 2020	
<a href="#"><u>H.R. 5606</u></a> <a href="#"><u>Desert National Wildlife Refuge and Nevada Test and Training Range Withdrawal and Management Act</u></a>	To extend the withdrawal and reservation of certain public land in the State of Nevada for the continued use of the Nevada test and training range, to designate certain land in the Desert National Wildlife Refuge as wilderness, and for other purposes.	Introduced by Rep. Steven Horsford (D-NV) – January 15, 2020	
<a href="#"><u>H.R. 5615</u></a> <a href="#"><u>TREES Act</u></a>	To establish a grant program to assist retail power providers with the establishment and operation of energy conservation programs using targeted residential tree-planting programs, and for other purposes.	Introduced by Rep. Doris Matsui (D-CA) – January 15, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S. 3208</u></a> <a href="#"><u>Regulatory</u></a> <a href="#"><u>Accountability Act</u></a>	To improve agency rulemaking, and for other purposes.	Introduced by Sen. Rob Portman (R-OH) – January 16, 2020	
<a href="#"><u>H.R.5638</u></a> <a href="#"><u>American</u></a> <a href="#"><u>Sovereignty and</u></a> <a href="#"><u>Species Protection</u></a> <a href="#"><u>Act</u></a>	To amend the Endangered Species Act to prevent a species that is not native to the United States from being listed as an endangered species or a threatened species, to prohibit certain types of financial assistance, and for other purposes.	Introduced by Rep. Andy Biggs (R-AZ) - January 16, 2020	
<a href="#"><u>S.3211</u></a> <a href="#"><u>Clean Water</u></a> <a href="#"><u>Allotment</u></a> <a href="#"><u>Modernization Act</u></a>	To amend the Federal Water Pollution Control Act to modify certain allotments under that Act, and for other purposes.	Introduced by Sen. Marco Rubio (R-FL) – January 16, 2020	
<a href="#"><u>H.R.5628</u></a> <a href="#"><u>Clean Water</u></a> <a href="#"><u>Allotment</u></a> <a href="#"><u>Modernization Act</u></a>	To amend the Federal Water Pollution Control Act to modify certain allotments under that Act, and for other purposes.	Introduced by Rep. Michael Waltz (R-FL) – January 17, 2020	
<a href="#"><u>H.R.5636</u></a> <a href="#"><u>Transparency in</u></a> <a href="#"><u>Energy Production</u></a> <a href="#"><u>Act of 2020</u></a>	To provide for the accurate reporting of fossil fuel extraction and emissions by entities with leases on public land, and for other purposes.	Introduced by Rep. Alan Lowenthal (D-CA) – January 16, 2020	
<a href="#"><u>H.R.5650</u></a> <a href="#"><u>Federal Energy and</u></a> <a href="#"><u>Water Management</u></a> <a href="#"><u>Performance Act of</u></a> <a href="#"><u>2020</u></a>	To amend the National Energy Conservation Policy Act to improve Federal energy and water performance requirements for Federal buildings and establish a Federal Energy Management Program.	Introduced by Rep. Peter Welch (D-VT) – January 16, 2020	
<a href="#"><u>H.R.5653</u></a> <a href="#"><u>Green Federal Fleet</u></a> <a href="#"><u>Act</u></a>	To prohibit Federal agencies from purchasing or leasing new vehicles that are not zero-emission vehicles, and for other purposes.	Introduced by Rep. Julia Brownley (D-CA) – January 17, 2020	
<a href="#"><u>S. 3221</u></a> <a href="#"><u>Farm System</u></a> <a href="#"><u>Reform Act of 2019</u></a>	To place a moratorium on large concentrated animal feeding operations, to strengthen the Packers and Stockyards Act, 1921, to require country of origin labeling on beef, pork, and dairy products, and for other purposes.	Introduced by Sen. Cory Booker (D-NJ) – January 21, 2020	

**INFORMATION ONLY**

February 3, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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**Subject : Saddle Peak and Cordillera Tank Rehab Project: Reject Bid**

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On January 7, 2020, the LVMWD Board, acting as Administering Agent for the JPA, rejected the bid from Spiess Construction Company, Inc., for the Saddle Peak and Cordillera Tank Rehabilitation Project.

**SUMMARY:**

On November 19, 2019, the LVMWD Board, acting as Administering Agent of the JPA, authorized a Call for Bids for the Saddle Peak and Cordillera Tank Rehabilitation Project. The scope of work for the renovation of both tanks generally consists of recoating the interior and exterior of the tanks and updating or replacing any deteriorated equipment used to operate them.

The only bid received was significantly higher than the Engineer's Estimate of \$1,205,500, which included both tanks. Due to seasonal constraints associated with taking the tanks out of service, there is not sufficient time to immediately go back out to bid and follow through with construction before the tanks are needed to be in service to meet water supply demands.

**RECOMMENDATION(S):**

Reject the bid from Spiess Construction Company, Inc., for the Saddle Peak and Cordillera Tank Rehabilitation Project.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

There is no financial impact associated with the rejection of the bid.



## **DISCUSSION:**

On November 19, 2019, the LVMWD Board, acting as Administering Agent of the JPA, authorized a Call for Bids for the Saddle Peak and Cordillera Tank Rehabilitation Project. The scope of work for the renovation of both tanks generally consists of recoating the interior and exterior of the tanks and updating or replacing any deteriorated equipment used to operate them.

This project was identified as part of a Tank Rehabilitation Master Plan, which was developed as an asset management tool to plan, budget and prioritize rehabilitation of LVMWD and JPA water tanks based on a variety of factors.

Staff held a mandatory pre-bid job walk on December 5th that was attended by representatives of five contractors and several other industry professionals. One bid was received from Spiess Construction Company, Inc., which was nearly twice the Engineer's Estimate. Upon reviewing the submitted bid and following up with contractors who attended the pre-bid job walk, staff determined that the bid does not meet the requirements of a competitive bid process.

The Engineer's Estimate for construction was \$1,205,500. Following is a summary of the bid results:

<u>Bidder</u>	<u>Bid Total</u>	<u>Percentage Above/Below Estimate</u>
Spiess Construction Company, Inc.	\$2,389,200	198.2%

Following is a summary of the key findings and proposed resolutions as to why only one bid was received:

	<u>Findings</u>	<u>Resolution</u>
1	Competitive Market: Contractors stated being too busy to bid on this project. The speculation is that other water agencies may be putting their tank projects out for bids for wintertime construction. There are many seasonal considerations when taking a tank offline.	Begin the bidding process during the summer months to garner more contractor interest and encourage more bids.
2	Coating specification listed one manufacturer or "pre-approved equal", which could have limited the competitive platform, increasing the price for the product.	Find an equivalent product and list more than one manufacturer to promote competitive pricing.
3	There was a very tight timeline for when the project was to be completed. This may have been logistically problematic, due to having two tanks to complete in that timeframe.	Award a construction contract in the fall allowing more time to complete the project.
4	Engineer's Estimate was considerably lower.	Determine why the estimate was so much lower than the bid and adjust accordingly.

Due to the seasonal constraints associated with taking the tanks off-line, engineering and operations staff have concluded that there is not enough time to immediately go back out to bid and complete construction. The project was previously set to be completed by May 1, 2020, so the tanks could be placed back in service to meet water supply demands through the summer. The current plan is to issue a new Call for Bids in August 2020.

The proposed schedule for re-bid of the project is as follows:

First Advertisement	August 6th
Second Advertisement	August 13th
Pre-Bid Meeting	August 20th
2 <sup>nd</sup> Pre-Bid Meeting (If needed)	September 10th
Bid Deadline/Bid Opening	September 23rd
Award of Contract	November 2nd

**GOALS:**

Ensure Effective Utilization of the Public's Assets and Money

Prepared by: Veronica Hurtado, Assistant Engineer

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**INFORMATION ONLY**

February 3, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

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**Subject : Rancho Solar Generation Project Phase 2: Update**

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**SUMMARY:**

On March 28, 2019, the JPA Board adopted Resolution No. 6 and authorized the execution of a Power Purchase Agreement (PPA) with Borrego Solar (Borrego), doing business as Las Virgenes Solar, LLC, for the Rancho Solar Generation Project Phase 2. On September 6, 2019, the JPA Board authorized the Administering Agent/General Manager to execute Amendment No. 1 to the PPA, Cost Reimbursement and License Agreements with Borrego to address higher-than-anticipated costs associated with field conditions for construction of the Rancho Solar Generation Project Phase 2.

Subsequently, the Administering Agent/General Manager executed Amendment No. 2 and an Estoppel Certificate requested by Borrego to support the timely closing on funding for the project. Amendment No. 2 (copy attached) revised the funding deadline for Borrego to January 20, 2020 and extended the project completion date from June 16, 2020 to July 16, 2020. Staff recently received confirmation that the project has obtained the necessary funding. Reviewing of the final design is currently underway, and construction of the project is estimated to start in February 2020.

As part of funding process, the attached draft Estoppel Certificate was requested by Borrego and its funding partner, Greenbacker Renewable Energy Corporation, to certify the PPA was still valid and that there were no violations, litigation and/or breach of the contract by the parties. Prior to execution, JPA Legal Counsel approved Amendment No. 2 and the Estoppel Certificate as to form.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

There is no financial impact associated with execution of Amendment No. 2 or the Estoppel Certificate.

Prepared by: John Zhao, Director of Facilities and Operations

**ATTACHMENTS:**

Amendment No. 2  
Draft Estoppel Certificate

## AMENDMENT NO. 2 TO SOLAR POWER PURCHASE AGREEMENT

This Amendment No. 2 to Solar Power Purchase Agreement (this "Amendment") is made and entered into effective as of December ~~30~~, 2019, between LAS VIRGENES SOLAR 1, LLC ("Provider"), and the Las Virgenes-Triunfo Joint Powers Authority ("JPA"). JPA and Provider are collectively referred to herein as "Parties" and individually as "Party."

### RECITALS

**WHEREAS**, JPA and Provider entered into that certain Solar Power Purchase Agreement dated as of April 10, 2019, as amended by that certain Amendment No. 1 to Solar Power Purchase Agreement dated as of September 6, 2019 (hereinafter collectively referred to as the "Agreement"); and

**WHEREAS**, JPA and Provider desire to amend the Agreement as set forth herein.

**NOW, THEREFORE**, in consideration of the promises and the mutual benefits from the covenants hereinafter set forth, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, Provider and JPA hereby agree as follows:

**1. Definitions.**

Capitalized terms used herein but not defined herein shall have the meanings set forth in the Agreement.

**2. Amendments.** The Agreement is hereby amended as follows:

(a) Section 6(B) of the Agreement entitled Completion of Conditions Precedent to Construction; Termination is hereby amended such that "sixty (60) days after the Effective Date of the First Amendment" is deleted in its entirety and replaced with "January 20, 2020".

(b) Section 6(C) of the Agreement entitled Construction; Commercial Operation is hereby amended such that "June 16, 2020" is deleted in its entirety and replaced with "June 16, 2020; provided, however, that if Provider has satisfied Construction Conditions Precedent (2), (4) and (5) by the Construction Start Deadline, then such date shall be extended to July 16, 2020".

(c) A new Section 14(B)(11) is added to the Agreement as follows:

"(11) either Provider or, with respect to JPA, LVMWD, breaches a material term of the License and fails to cure said breach within the applicable cure period set forth in the License."

**3. Entire Agreement; Conflicts.**

Except as specifically modified herein, the Agreement shall remain in full force and effect. This Amendment together with the Agreement shall constitute the entire, complete, and exclusive expression of the parties with respect to the matters addressed. In case of any inconsistencies between the terms and conditions contained in the Agreement and the terms and conditions of this Amendment, the terms and conditions of this Amendment shall control.

**4. Choice of Law.**

This Amendment shall be construed in accordance with the laws of the State of California (without regard to its conflict of laws principles). The venue for any dispute arising out of or relating to this Amendment shall be in the California County in which the Solar Facility is located.

**5. Binding Effect.**

This Amendment and its rights, privileges, duties, and obligations shall inure to the benefit of and be binding upon each of the Parties hereto, together with their respective successors and permitted assigns.

**6. Authorization.**

Each person executing this Amendment on behalf of a Party represents that he/she is authorized to execute on behalf of and to bind the Party to this Amendment.

**7. Counterparts.**

This Amendment may be executed in counterparts, which shall together constitute one and the same agreement. Electronic, facsimile, or copies of signature pages shall have the same force and effect as originals.

IN WITNESS WHEREOF, the Parties have executed this Amendment as of the date set forth above.

**JPA:**

Las Virgenes-Triunfo Joint Powers Authority

By: David W. Pedersen

Name: David W. Pedersen

Title: Administrative Agent/General Manager

**PROVIDER:**

Las Virgenes Solar 1, LLC

By: 1115 Solar Development, LLC, its sole member and manager

By: Brenton Veale

Name: Brenton Veale

Title: VP Project Finance

[Signature Page to Amendment No. 2]



Estoppel Certificate

[\_\_\_\_\_], 2020

This Estoppel (as amended, amended and restated, supplemented or otherwise modified from time to time, this “Estoppel”), dated as of [\_\_\_\_\_], 2020, is delivered by Las Virgenes-Triunfo Joint Powers Authority, (together with its successors, designees and assigns, “Counterparty”) to Las Virgenes Solar 1, LLC, a Delaware limited liability company (together with its successors, designees and assigns, “Project Company”), and Greenbacker Renewable Energy Corporation, a Maryland corporation (together with its successors and assigns, “Investor”). Capitalized terms used but not otherwise defined herein shall have the respective meanings ascribed to such terms in the Agreement described below.

RECITALS

WHEREAS, Counterparty and Project Company are parties to the Solar Power Purchase Agreement, dated as of April 10, 2019, as amended by that certain Amendment No. 1 to Solar Power Purchase Agreement dated as of September 6, 2019, as further amended by that certain Amendment No. 2 to Solar Power Purchase Agreement dated as of December 30, 2019 (as amended, modified or supplemented from time to time, the “Agreement”) in connection with the approximately 4.008 MW solar electric generation facility being developed by Project Company in 3810 Las Virgenes Rd, Calabasas, CA, 91302 (the “Facility”);

WHEREAS, Investor intends to acquire the membership interests of Project Company (the “Investment”) in connection with a financing of the Facility, and has requested certain certifications from Counterparty; and

WHEREAS, pursuant to Section 19(B) of the Agreement, Counterparty has agreed to execute an estoppel or other document as may reasonably be required by a Secured Party in connection with any financing with respect to the Facility.

1. Representations and Warranties and Certain Covenants

(a) Counterparty hereby represents and warrants to Project Company and Investor as follows:

(1) The execution, delivery and performance of this Estoppel has been duly authorized by Counterparty.

(2) This Estoppel constitutes the legal, valid and binding obligation of Counterparty, enforceable against it in accordance with its terms, except to the extent limited by bankruptcy, insolvency or other similar laws relating to the rights of creditors, or by general principles of equity.

(3) To the actual knowledge of Counterparty, there are not presently any disputes or any legal proceedings between Counterparty and Project Company relating to the Agreement.

(4) The execution, delivery and performance of the Agreement and this Estoppel by Counterparty, and the consummation of the transactions contemplated thereby and hereby, to the actual knowledge of Counterparty, do not and will not require any further authorizations, consents or approvals or filings with any entity or person which have not been obtained or made, or violate or conflict with any provision of any law, regulation, order, permit, license, rule, judgment, injunction, or similar matters or breach any agreement, any material indenture, contract or organizational document presently in effect with respect to or binding on Counterparty or any properties to which Counterparty may be bound.

(5) All government approvals necessary for the execution, delivery and performance by Counterparty of its obligations under the Agreement have been obtained and are in full force and effect, except those governmental approvals routinely obtained during the ordinary course of business during the execution of the Facility.

(6) To the actual knowledge of Counterparty, there is no litigation, action, suit, proceeding or investigation at law or in equity relating to the Agreement by or before any governmental authority, arbitral tribunal or other body now pending against Counterparty or, to the actual knowledge of Counterparty, threatened against or affecting Counterparty that (i) questions the validity, binding effect or enforceability hereof or of the Agreement against Counterparty, or any action taken or to be taken pursuant hereto or thereto or any transactions contemplated hereby or thereby, (ii) could have a materially adverse effect on the performance of the obligations hereof or of the Agreement by Counterparty or the condition (financial or otherwise), business, or operation of Counterparty; or (iii) could modify or otherwise adversely affect any required approvals, filings or consents which have previously been obtained or made.

(7) Except for the amendments listed in Schedule I herein, the Agreement has not been amended, supplemented or modified since the date of execution of the Agreement.

(8) This Estoppel, the Agreement and that certain Amended and Restated Cost Reimbursement Agreement dated as of September 6, 2019, by and between Counterparty and Project Company (the "Cost Reimbursement Agreement"), are the only contracts between Project Company and Counterparty.

(9) Counterparty has not transferred or assigned any interest in the Agreement or, with the exception of the assignments listed in Schedule II herein, received notice of any assignment by Project Company of the Agreement.

(10) To the actual knowledge of Counterparty, neither Party is in default of any of its obligations under the Agreement or has breached any representation, warranty or covenant under the Agreement.

(11) To Counterparty's knowledge, (a) no event of force majeure exists under the Agreement and (b) no event or condition exists which, with the passage of time or the giving

of notice or both, would constitute a default or breach by either party or enable either party to terminate or suspend its obligations under the Agreement.

(12) Except for those costs which are or will become due and payable under the Cost Reimbursement Agreement, all payments due to or from Project Company under the Agreement through the period ending on the date hereof have been paid.

(b) Counterparty hereby further acknowledges and agrees that:

(1) Project Company, Investor, and their respective successors and assigns, and their potential equity investors, lenders and participants, and their respective successors and assigns shall be entitled to rely upon this certification by Counterparty.

(2) All milestones and conditions that were required to be completed or satisfied by Project Company under the Agreement prior to the date hereof have been completed or satisfied. Nothing in this subclause (2) will be deemed to be a waiver of the Counterparty's rights under the Agreement.

(3) Counterparty agrees to simultaneously deliver to Investor, at the address provided on Schedule III hereto, a copy of any material notice, including without limitation default or termination notices, delivered to Project Company under the Agreement. Counterparty agrees that no right of Counterparty to terminate or suspend its obligations under the Agreement (a "Termination Event") will become effective under the Agreement unless it provides written notice thereof to Investor and Investor has not cured such Termination Event within the same cure period afforded to Project Company under the Agreement. Any curing of or attempt to cure any Termination Event shall not be construed as an assumption by Investor of any covenants, agreements or obligations of Project Company under or in respect of the Agreement.

2. Governing Law; Waiver of Jury Trial

THIS ESTOPPEL SHALL BE GOVERNED BY AND CONSTRUED UNDER THE LAWS OF THE STATE OF NEW YORK AND WITHOUT REFERENCE TO CONFLICTS OF LAWS PRINCIPLES.

3. Successors and Assigns

This Estoppel shall be binding upon and inure to the benefit of the Project Company and Investor and their permitted successors and assigns (which assigns, in the case of Investor, shall be any nominee or designee of Investor).

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the undersigned has duly executed this Estoppel as of the date first above written.

Las Virgenes-Triunfo Joint Powers Authority,  
as Counterparty

By: \_\_\_\_\_  
Name:  
Title:

SCHEDULE I  
Amendments to Agreement

Amendment No. 1 to Solar Power Purchase Agreement dated as of September 6, 2019 by and between Counterparty and Project Company.

Amendment No. 2 to Solar Power Purchase Agreement dated as of December 30, 2019 by and between Counterparty and Project Company.

SCHEDULE II  
Assignments

SCHEDULE III  
Investor Notice Address

Greenbacker Renewable Energy Corporation  
11 East 44<sup>th</sup> Street, Suite 1200  
New York, NY 10017  
Attention: Richard Butt  
Telephone: 646-556-6611  
Email: Richard.Butt@greenbackercapital.com