

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

**4232 Las Virgenes Road, Calabasas, CA 91302**

**November 2, 2020, 5:00 PM**

Public Participation for Meetings of Las Virgenes - Triunfo Joint Powers Authority in Response to COVID-19

On March 4, 2020, Governor Newsom proclaimed a State of Emergency in California as a result of the threat of COVID-19. On March 17, 2020, Governor Newsom issued Executive Order N-29-20 (superseding the Brown Act-related provisions of Executive Order N-25-20 issued on March 12, 2020), which allows a local legislative body to hold public meetings via teleconferencing and to make public meetings accessible telephonically or otherwise electronically to all members of the public seeking to observe and to address the local legislative body. Pursuant to Executive Order N-29-20, please be advised that members of the Las Virgenes - Triunfo Joint Powers Authority will participate in meetings telephonically.

**PUBLIC PARTICIPATION:** Pursuant to Executive N-29-20 and given the current health concerns, members of the public can access meetings live on-line, with audio and limited video, at [www.LVMWD.com/JPALiveStream](http://www.LVMWD.com/JPALiveStream). In addition, members of the public can submit comments electronically for consideration by sending them to [www.LVMWD.com/JPALiveStream](http://www.LVMWD.com/JPALiveStream). To ensure distribution to the members of the Las Virgenes - Triunfo Joint Powers Authority prior to consideration of the agenda, please submit comments 24 hours prior to the day of the meeting. Those comments, as well as any comments received after 5:00 P.M., will be distributed to the members of the Board of Directors and will be made part of the official public record of the meeting. Contact Josie Guzman, Executive Assistant/Clerk of the Board at (818) 251-2123 or [jguzman@lvmwd.com](mailto:jguzman@lvmwd.com) with any questions.

**ACCESSIBILITY:** If requested, the agenda and backup materials will be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Any person who requires a disability-related modification or accommodation, in order to observe and/or offer public comment may request such reasonable modification, accommodation, aid, or service by contacting the Executive Assistant/Clerk of the Board by telephone at (818) 251-2123 or via email to [jguzman@lvmwd.com](mailto:jguzman@lvmwd.com) no later than 8:00 AM on the day of the scheduled meeting.

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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## **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 October 5, 2020 (Pg. 5)**

Approve.

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

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

#### **B State and Federal Legislative Update (Pg. 14)**

## 6 ACTION ITEMS

### A **Proposed 2021 JPA Board Meeting Calendar (Pg. 76)**

Review the proposed 2021 JPA Board Meeting Calendar and make any scheduling adjustments.

### B **Tapia Tertiary Filter Media Replacement: Authorization of Purchase Order (Pg. 80)**

Authorize the Administering Agent/General Manager to issue a purchase order to Prominent Systems, Inc., in the amount of \$107,754, for replacement of tertiary filter media at the Tapia Water Reclamation Facility.

### C **Pure Water Project Las Virgenes-Triunfo: Proposed Mascot (Pg. 82)**

Review and provide feedback on the proposal for a JPA-centric mascot for the Pure Water Project Las Virgenes-Triunfo.

### D **Rancho Solar Generation Project Phase II: Award of Construction Contract for Landscaping Improvements (Pg. 91)**

Award a construction contract to Martinez Landscaping Company, Inc., in the amount of \$70,230, and reject all remaining bids upon receipt of duly executed contract documents; and authorize the Administering Agent/General Manager to approve Change Order No. 2 for Envicom Corporation, in the amount of \$11,759.50, for additional environmental services for the Rancho Solar Generation Project Phase II.

### E **Farm Sprayfield Operation and Maintenance: Authorization of Agreement (Pg. 113)**

Authorize the Administering Agent/General Manager to execute a one-year agreement with W. Litten Land Preparation, in an amount not-to-exceed \$384,900, for operation and maintenance of the Rancho Las Virgenes Farm Sprayfields.

### F **Rancho Las Virgenes Composting Facility Centrifuge No. 2 Repairs: Award of Purchase Order (Pg. 121)**

Accept the quotation from CentriTEK and authorize the Administering Agent/General Manager to issue a purchase order, in the amount of \$69,669.86, for repairs to Centrifuge No. 2 at the Rancho Las Virgenes Composting Facility.

## 7 BOARD COMMENTS

## 8 ADMINISTERING AGENT/GENERAL MANAGER REPORT

## 9 FUTURE AGENDA ITEMS

## 10 INFORMATION ITEMS

### A **Cordillera Tank Rehabilitation Project: Construction Award (Pg. 135)**

### B **Management of Water Quality at the Las Virgenes Reservoir (Pg. 138)**

## 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 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

October 5, 2020

**PLEDGE OF ALLEGIANCE**

The Pledge of Allegiance to the Flag was led by Jane Nye.

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

The meeting was called to order at **5:00 p.m.** by Chair Lewitt via teleconference in the Board Room at Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road, Calabasas, CA 91302. The meeting was conducted via teleconference pursuant to the provisions of the Governor's Executive Order, N-29-20, which suspended certain requirements of the Ralph M. Brown Act to support social distancing guidelines associated with response to the coronavirus (COVID-19) outbreak. Josie Guzman, Clerk of the Board, conducted the roll call.

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

Absent: None.

**2. APPROVAL OF AGENDA**

Director Renger moved to approve the agenda. Motion seconded by Director Caspary. Motion carried unanimously by roll call vote.

**3. PUBLIC COMMENTS**

None.

**4. CONSENT CALENDAR**

**A Minutes: Regular Meeting of September 8, 2020: Approve**

**B Pure Water Demonstration Project: Final Acceptance**

**Authorize the Administering Agent/General Manager to approve Change Order No. 3, in the amount of \$39,040.25; approve the execution of a Notice**

of Completion and have the same recorded; and, in the absence of claims from subcontractors and others, release the retention, in the amount of \$111,474.70, 30-calendar days after filing the Notice of Completion for the Pure Water Demonstration Project.

**C Tapia Headworks Floor Rehabilitation Project: 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, release the retention, in the amount of \$14,747.50, 30-calendar days after filing the Notice of Completion for the Tapia Headworks Floor Rehabilitation Project.

**D Centrate Treatment 24-inch Pump Suction Header and Valve Replacement Project: Call for Bids**

Authorize the issuance of a Call for Bids for the Centrate Treatment 24-inch Pump Suction Header and Valve Replacement Project of the Rancho Las Virgenes Composting Facility.

Director Renger moved to approve the Consent Calendar. Motion seconded by Director Orkney. Motion carried unanimously by roll call vote.

**5. 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 Director Orkney's request for consideration of a mascot for the Pure Water Project Las Virgenes-Triunfo. He stated that staff was in the process of seeking quotes for a mascot costume that would be similar to Little Drop. He also stated that he would share concepts and renderings at the next JPA Board meeting. He provided an update regarding the possibility of holding tours at the Pure Water Demonstration Facility. He noted that staff was looking into developing a pre-recorded virtual tour due to COVID-19 social distancing restrictions. He stated that the pre-recorded tour and orientation video would be available for viewing on the website. He also stated that outdoor water tasting under a pop-up tent and tours of the Sustainability Garden could be scheduled bimonthly on Saturdays once restrictions were lifted in the County of Los Angeles. He noted that staff was in the process of directing the QR codes for plants in the Sustainability Garden to the appropriate web pages and completing specialized COVID-19 training prior to allowing people to visit the garden and taste the treated water. He also provided an update regarding the contract with Jacobs Engineering for the Owner's Advisor/Program Manager Services for the Pure Water Project Las Virgenes-Triunfo, and noted that a kick-off meeting would be held soon.

Director Orkney noted that she had requested an agenda item for the Board to consider a mascot for the Pure Water Project Las Virgenes-Triunfo. Administering Agent/General Manager David Pedersen responded that staff would bring back ideas at the next JPA Board meeting in order to receive the Board's feedback

Mr. McDermott responded to a question regarding providing small bottles of treated water from the Pure Water Demonstration Facility to local city councils and the Oak Park Municipal Advisory Council by stating that staff could pursue how this could be accomplished; however, there were many regulations from the State Water Resources Control Board, Division of Drinking Water, and other agencies. He noted that the Orange County Water District provided bottles of advanced treated recycled water. He also responded to questions regarding possible malfunctions at the Pure Water Demonstration Facility that could prevent water tasting by stating that a storage tank was available that could store treated water for approximately one week. Administering Agent/General Manager David Pedersen added that the future full-scale plant would include a bypass to waste feature so treated water not meeting water quality standards would not be supplied to customers.

Mr. McDermott responded to questions regarding the need to disinfect the entire facility once tours were allowed by stating that staff discussed not offering on-site tours until the County was in the State's orange or moderate tier, which would allow for some indoor business operations with modifications. He stated that wearing facemasks would be required, limiting access to only family units for ages 12 and above, and prohibiting touching of equipment. He also stated that tour facilitators would disinfect the touchscreens.

Director Lo-Hill spoke in support of providing small bottles of treated water and suggested purchasing and relabeling the bottled treated water from Orange County Water District to demonstrate a sample of treated recycled water.

Chair Lewitt stated that he was pleased that employees would have an opportunity to practice operations at the Pure Water Demonstration Facility.

## **B State and Federal Legislative Update**

Lowry Crook, federal lobbyist for the JPA with Best Best & Krieger LLP (BBK), presented the federal legislative update, and noted that the Senate announced that it would be out of session for two weeks due to an outbreak of COVID-19 amongst several Senators. He also noted that the House of Representatives would be out of session until November 16th; however, the House could return following 24-hour notice to continue COVID-19 relief negotiations. He noted that the current Administration had expressed support for a \$1.6 trillion COVID-19 relief bill, while the House of Representatives was proposing a \$2.2 trillion relief bill. He stated that BBK was tracking proposed assistance to state and local governments, including special districts; however, there was more focus on the airline industry, layoffs, and

bankruptcies. He stated that BBK would recommend focusing on a stimulus package for infrastructure investments. He also reported that the House of Representatives passed a Continuing Resolution to maintain funding for the federal government until December 11th; however, appropriations were currently stalled in the Senate. He noted that the House of Representatives infrastructure-related bill would include \$10.2 billion for water infrastructure through the State Revolving Funds, with 40 percent taking the form of grants rather than revolving loans. He also noted that the House of Representatives proposed rescinding and re-appropriating Water Infrastructure Finance and Innovation Act (WIFIA) funding with no additional or new WIFIA funds, and BBK received assurance that this would be fixed in the Senate. He also reported that negotiations regarding Water Resources Development Act (WRDA) funding was stalled pending authorization for additional funding for port dredging. He provided an update regarding the application to the U.S. Bureau of Reclamation for Title XVI funding, and stated that the grant program was stalled due to disagreements regarding funding work to raise Shasta Dam.

Syrus Devers, state lobbyist for the JPA with BBK, presented the state legislative report and provided an update regarding the current wildfires occurring in the state. He stated that catastrophic wildfires appeared to be capable of placing hazardous substances into groundwater, which might be caused by burning plastics. He also stated that a legislative item regarding reporting and remediation following a catastrophic fire could come forth in the next few years. He also reported that a drought was potentially expected in the state. He provided an update regarding negotiations with the South Coast Air Quality Management District (SCAQMD) on the proposal to change its rules dealing with exceeding runtime limits during a Public Safety Power Shutoff (PSPS) event and addressing testing and maintenance. He stated that SCAQMD was seeking assurances from all parties involved that no one would seek legislation related to emergency backup generators. He also stated that regardless of SCAQMD's request, he would begin to work on a possible legislative effort for next year. He responded to a question regarding any discussions to conserve water due to the expected drought by stating that this was not currently a topic of discussion amongst regulators, the public, or the media. Joe McDermott, Director of Engineering and External Affairs, added that the new water year began on October 1st, and predictions for October and November indicated above-average temperatures.

Mr. Devers reported that the Association of California Water Agencies (ACWA) discussed the financial impacts of the suspension of water shutoffs and requested voluntarily requests for information from affected water agencies. He stated that very few responses were received; therefore, the State Water Resources Control Board would likely consider mandatory reporting.

## **6. ACTION ITEMS**

### **A Pure Water Demonstration Facility: Operational Support**



**Authorize the Administering Agent/General Manager to execute a professional services agreement with Carollo Engineers, Inc., in the amount of \$228,208, to provide operational support and testing for the Pure Water Demonstration Facility.**

John Zhao, Director of Facilities and Operations, presented the report.

Director Tjulander moved to approve Item 6A. Motion seconded by Director Polan. Motion carried unanimously by roll call vote.

**B Multi-Site Battery Energy Storage System Project: Request for Proposals**

**Accept the proposal from TerraVerde Energy, LLC; authorize the Administering Agent/General Manager to execute a professional services agreement, in the amount of \$57,250, and apply for Self Generation Incentive Program funding; and approve the issues of a Request for Proposals for the Multi-Site Battery Energy Storage System Project.**

John Zhao, Director of Facilities and Operations, presented the report and shared a copy of the Battery Energy Storage Systems and Resiliency Financial Analysis Results Summary.

Kevin Ross, representing TerraVerde Energy, LLC (TerraVerde), reviewed the Battery Energy Storage Systems and Resiliency Financial Analysis Results Summary. He responded to a question regarding the reason that the Westlake Filtration Plant was included in Group 1 for a Net Energy Metering Solar Photovoltaic Plus Battery Energy Storage System (NEM Solar PV + BESS) since it currently did not have a solar system by stating that Group 1 was representative of proposed new solar and BESS projects. He noted that a standalone BESS project was included in Group 2 that was being added to the existing solar project at the JPA Recycled Water Pump Station. He stated that TerraVerde explored adding a standalone BESS at the Westlake Filtration Plant; however, due to its operating profile and rate schedules, it was determined that a BESS would not add enough overall benefit. He also responded to a question regarding the frequency of tariff changes by stating that major changes in rate structures occur every three years; however, minor updates occur twice per year. He noted that Southern California Edison had filed its Phase 1 general rate case with the Public Utilities Commission, and it could take one year or more to go through the proceedings.

Director Renger moved to approve Item 6B. Motion seconded by Director Polan.

Director Orkney expressed concern that the Board did not receive a copy of the Battery Energy Storage Systems and Resiliency Financial Analysis Results Summary in advance. She requested additional information regarding the standalone BESS and the efficiency. Mr. Ross responded that a standalone BESS

consisted of batteries that use the grid as a source of energy. He stated that all of the proposed scenarios would use a microgrid configuration that would allow BESS operations to be powered if the battery is fully charged at the time of a Public Safety Power Shutoff (PSPS) event. He noted that battery storage was measured in hours, and the proposed projects would be based on best-case economics and the longest duration in terms of hours. He also noted that the battery would run for one hour at the Tapia Water Reclamation Facility and up to 48 hours at the lift stations.

Director Orkney expressed her hope that the JPA Board would receive a more detailed report in advance when the responses to the Request for Proposals (RFP) are presented.

Mr. Ross responded to questions regarding the availability of Self-Generation Incentive Program (SGIP) funds by stating that he believed there was \$100 million available for BESS projects. He stated that should the Board approve issuing the RFP for the Multi-Site BESS Project, it would take up to four weeks to prepare the specifications, and the proposals would be due before the end of the year. He also stated that a Memorandum of Understanding would be entered into with the BESS provider to apply for the SGIP funds.

Mr. Zhao responded to a question regarding the purpose of the BESS project by stating that the primary purpose of the project would be to reduce demand charges, while also providing some level of energy resiliency during PSPS events and other grid outages. He also responded to a question regarding the disposal of used batteries after their 15-year lifecycle by stating that staff would propose third-party ownership and require proper disposal of the batteries by the selected contractor. He also responded to a question regarding annual savings from time-of-use rate arbitrage by stating that batteries would be charged when power costs were lower and discharged when power costs were higher.

Motion carried by the following roll call vote:

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

NOES: Caspary

ABSTAIN: Orkney

ABSENT: None

**C Tapia Sodium Hypochlorite Tank and Piping Replacement Project:  
Construction Award**

**Award a construction contract to James C. Cushman, Inc., in the amount of \$489,140, and reject all remaining bids upon receipt of the duly executed contract documents; and appropriate an additional \$534,793.80 for the Tapia Sodium Hypochlorite Tank and Piping Replacement Project.**

Veronica Hurtado, Assistant Engineer, presented the report.

Director Polan moved to approve Item 6C. Motion seconded by Director Caspary.

Ms. Hurtado responded to a question regarding James C. Cushman, Inc.'s work experience by stating that the contractor had successfully completed the Tapia Process Air Improvements Project.

Motion carried unanimously by roll call vote.

**7. BOARD COMMENTS**

Director Polan commended staff for repairing a water main break in his community.

Director Orkney reported on the first day that Triunfo Water & Sanitation District (TWSD) had its directly hired District employees and stated that additional administrative staff would be hired in the coming year. She noted that TWSD contracted with Ventura Regional Sanitation District for administrative and operational support services.

Director Caspary requested that staff provide information in advance to the Board regarding complex issues to allow sufficient time to make decisions.

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

Administering Agent/General Manager David Pedersen reported that the flow in Malibu Creek measured 3.5 cubic feet per second (CFS) at the gauging station; therefore, fish flow was not needed. He also reported that the Rancho Solar Generation Project Phase 2 was nearly completed and was expected to be operational by the end of the calendar year. He noted that he was recently appointed to the Southern California Edison's Public Safety Power Shutoff Advisory Board, and the first meeting would be held on October 20th. He referred to Item 6C, Tapia Sodium Hypochlorite Tank and Piping Replacement Project, and stated that there would be an offsetting reduction in appropriation need for the TMDL Summer Compliance Project.

Chair Lewitt departed from the meeting at 6:33 p.m. Vice Chair Wall presided.

John Zhao, Director of Facilities and Operations, responded to a question regarding the cleaning cycle for the solar panels at the Rancho Solar Generation Project by stating that the owner of the solar facility cleans the solar panels twice per year in accordance with the terms of the Power Purchase Agreement.

**9. FUTURE AGENDA ITEMS**

None.

**10. INFORMATION ITEMS**

**A Pure Water Project Las Virgenes-Triunfo: Role of Las Virgenes Reservoir**

Director Lo-Hill acknowledged staff for providing the report, and stated that the report was very informative.

John Zhao, Director of Facilities and Operations, responded to a question regarding the possibility of installing solar systems in Las Virgenes Reservoir by stating that currently there was not enough usage; however, installation of an entire solar system could be revisited once the reservoir is used more often.

**11. PUBLIC COMMENTS**

None.

**12. CLOSED SESSION**

None.

**13. ADJOURNMENT**

Seeing no further business to come before the Board, the meeting was duly adjourned at **6:36 p.m.**

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Jay Lewitt, Chair

ATTEST:

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James Wall, Vice Chair



To: Las Virgenes - Triunfo JPA  
From: Syrus Devers, Best Best & Krieger  
Date: October 23, 2020  
Re: Monthly Report

### **Legislative Report**

Bill signatures:

The last day for the Governor to sign legislation was October 1st, and the main theme of the final package of bills was criminal justice reform. Although an exact number is not available, Newsom allowed far more bills to be enacted without action than most of his predecessors. (California does not have a “pocket veto.” Unsigned legislation becomes law in the same way a signed bill.)

### **Administrative Report**

New Executive Order:

Near the last day of the legislative session the water industry came together to defeat AB 3030 (Karla) in the Senate Appropriations Committee. This JPA opposed that bill over the vague terms it used, such as “protect” and “water” without any definition. Apparently Governor Newsome was a fan of the bill because he issued an executive order, which is rather extensive and can be read here <https://www.gov.ca.gov/wp-content/uploads/2020/10/10.07.2020-EO-N-82-20-.pdf>, that revives several parts of AB 3030, including the catchy phrases used in the bill such as protecting 30% of California’s biodiversity by 2030. In the final analysis, however, the order basically calls for an inventory of the state’s endangered habitats and a plan to save them. Several state agencies will be involved but they are instructed to work within their “existing authority and resources.” The strategic plan is due by February 1, 2022. No doubt those state agencies will be relieved to know what they should do with all that spare time and extra money.

Shutoff Prohibitions:

The SWRCB is exploring how best to collect data on the fiscal impact of the prohibitions on water shutoffs during the pandemic. A voluntary survey was sent out to all public water agencies but less than 10% responded. The board then discussed the issue in their hearing on October 6th. At this point the board is in the information gathering mode, but mandatory reports are on the table. ACWA is advocating for a voluntary process, preferably one organized by the water industry, as well as other technical amendments. According to the SWRCB, this information is helpful with federal advocacy over new relief funds.

The Budget:

You may recall that the budget deal passed by the Legislature included payment deferrals in the hope that federal stimulus funds would arrive in time to avoid following through with cuts. The clock has run out on that plan. The Legislature gave itself until October 15th to determine if cuts would have to be made should there be no more help from the federal government. With the prospects of a deal being struck in Washington before the election looking worse every day, and dim prospects for significant new funds going to states even if a bill is passed, the state has to start grappling with the deficits. If no more federal aid money is allocated to California this year, the state's K-12 schools will have to absorb \$5.8 billion in payment deferrals, state employees would lose \$2.8 billion in compensation, and public universities would have to process their own nine-figure budget reductions, among other cuts lawmakers hoped to reverse. If a new stimulus package is agreed to, the Governor could call a special session to reverse the cuts.

Wildfires:

This is officially the worst fire season in history. 2.4 million acres have burned, but that number only counts fires under state and local jurisdiction. The number jumps to over 4.1 million acres if federal lands are included. Compare that to 2018 when 1,975,086 acres burned. Most of the fires this year were started by lightning in more remote areas which lessened their lethality. 15 lives were lost in the recent North Complex Fire, and only one in the August Complex fire, the largest fire in California's history, while the deadly Camp Fire took 85 people in 2018. But keep in mind that the Camp Fire struck in November.



**BEST BEST & KRIEGER**  
ATTORNEYS AT LAW

**To:** Las Virgenes-Triunfo JPA Staff and Board of Directors  
**From:** John Freshman, Ana Schwab, and Lowry Crook  
**Date:** October 23, 2020  
**RE:** Federal Report

**Congressional Schedule**

The Senate will be on recess after the vote on President Trump's Supreme Court nominee on Monday, October 16. The House is currently in recess and will return after the election.

The House is scheduled to return for a lame-duck session November 16 through mid-December. The Senate will return from November 8 through December 18.

**COVID-19 Relief**

House Speaker Pelosi and Treasury Secretary Mnuchin continued to have discussions about the next COVID-19 relief package this week. Secretary Mnuchin has offered a total of \$1.9 trillion, close to the \$2.2 trillion the House Democrats have proposed. President Trump has periodically stated that he would sign a package with even more funding than \$2 trillion dollars; however, Senate Majority Leader Mitch McConnell has said neither he nor most Republican senators will support a relief package that large.

Although Pelosi and Mnuchin have made progress on funds and plans for virus testing, tracing, vaccination strategy, and schools, they remain stuck on funding for state and local governments. That funding is a top priority for Democratic leadership but the Democrats' proposed funding levels have been opposed by President Trump and Senate Republicans.

On Wednesday, Senate Democrats blocked a narrower \$500 billion proposal by Senate Republicans. It now looks extremely unlikely that a relief package will pass before the lame-duck session.

**Appropriations**

Currently a continuing resolution is keeping the Federal government open and funded at fiscal year 2020 levels until December 11.

The Senate Appropriations Committee has not considered any appropriations bills. In July, the House passed 10 of 12 appropriation bills. The House has not taken up the Legislative or Homeland Security funding bills.

If former Vice President Biden wins the November 3 election, it is highly likely that most appropriations bills would be held until after his inauguration. If President Trump is re-elected, it is more likely appropriations bills will pass during the lame duck session.





**BEST BEST & KRIEGER**  
ATTORNEYS AT LAW

In the Interior & Environment appropriations bill, we remain focused on fixing the WIFIA funding rescission and lack of new appropriations, and we are closely tracking proposals for additional State Revolving Loan Funds and minimum percentages that must be used for loan forgiveness and therefore would not revolve.

**Water Resources Development Act**

The water infrastructure authorization bill is currently being negotiated between the House and Senate. The leaders are hoping to pass the legislation before the end of the year, during the lame-duck session.

The final bill will include language from the 2020 Water Resources Development Act (WRDA), H.R. 7575, a bipartisan bill the House passed in July. It will also include language from the Senate version of WRDA, S. 3591, along with S. 3590, which is focused on drinking water infrastructure.

The most challenging issue is that the House is insisting on additional authorization of harbor maintenance funding, especially for additional Army Corps dredging on the West Coast. Such a change would likely cause the legislation to score under budget rules, and Senate budget leaders have stated they will oppose a WRDA bill that scores. The House and Senate are also negotiating the National Pollutant Discharge Elimination System (NPDES) permit term limits, which are currently five years and could be changed to ten.

**Defense Reauthorization**

In July, the House and Senate passed their respective versions of the 2021 National Defense Authorization Act (NDAA) (S. 4049, H.R. 6395). The leaders of the Senate and House Armed Services committees have had a few meetings, and will meet again on Monday, October 26 to discuss a compromise version of the bill. House Armed Services Chairman Adam Smith (D-WA) said that he expects the NDAA conference to begin in early December.

On October 5, a group of 18 sent a letter to the House and Senate urging them to add language designating PFAS as a hazardous substance under the Superfund law. We still believe this Congress is unlikely to do so.

**Executive Order on Water Resource Management**

On October 13, President Trump signed an Executive Order on Modernizing America's Water Resource Management and Water Infrastructure. The order formalizes a Water subcabinet of senior Federal agency officials who have been meeting regularly. It will be co-chaired by the Secretary of the Interior and the Administrator of the Environmental Protection Agency, and will include the Secretary of Agriculture, the Secretary of Commerce, the Secretary of Energy, and the Secretary of the Army. It establishes a series of deadlines for the subcabinet to report on a list of water-related priorities, and to propose ways to streamline the scores of interagency initiatives and tasks forces that deal with water management and infrastructure issues. The Executive Order is only likely to be carried out if President Trump is re-elected.

**LAS VIRGENES TRIUNFO - HIGH PRIORITY LEGISLATION IN THE 116TH CONGRESS  
THROUGH OCTOBER 23, 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.</p> <p>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>Became Public Law No: 116-9 – March 12, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 40</a> <a href="#">Bureau of Reclamation Transparency Act</a>	<p>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.</p>	<p>Introduced by Sen. John Barrasso (R-WY) – January 8, 2019</p>	
<a href="#">H.R. 357</a> <a href="#">Sacramento-San Joaquin Delta National Heritage Area Act</a>	<p>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.</p>	<p>Introduced by Rep. John Garamendi (D-CA) – January 9, 2019</p> <p>Signed into law on March 12, 2019 as part of S. 47 – Natural Resources Management Act</p>	
<a href="#">H.R. 535</a> <a href="#">PFAS Action Act of 2019</a>	<p>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.</p>	<p>Introduced by Rep. Debbie Dingell (D-MI) – January 14, 2019</p> <p>Received in the Senate – January 13, 2020</p>	
<a href="#">H.R. 579</a> <a href="#">Water Rights Protection Act of 2019</a>	<p>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.</p>	<p>Introduced by Rep. Scott Tipton (R-CO) – January 15, 2019</p>	
<a href="#">H.R. 664</a> <a href="#">Recreational Lands Self-Defense Act of 2019</a>	<p>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</p>	<p>Introduced by Rep. Bob Gibbs (D-OH) – January 17, 2019</p>	

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="#"><u>H.R. 1067</u></a> <a href="#"><u>Santa Ana River Wash Plan Land Exchange Act</u></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="#"><u>S. 376</u></a> <a href="#"><u>Defense of Environment and Property Act of 2019</u></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="#"><u>H.R. 1137</u></a> <a href="#"><u>To amend the Water Resources Development Act of 1986 to repeal the authority relating to reprogramming during national emergencies.</u></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="#"><u>H.R. 1162</u></a> <a href="#"><u>Water Recycling Investment and Improvement Act</u></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  Ordered to be Reported (Amended) – March 11, 2020	<i>Support</i>
<a href="#"><u>H.R. 1334</u></a> <a href="#"><u>Outdoor Recreation Legacy Partnership Grant Program Acts</u></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="#">H.R. 1331</a> <a href="#">Local Water Protection Act</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="#">H.R. 1429</a> <a href="#">Drinking Water Infrastructure for Job Creation Act</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="#">S. 611</a> <a href="#">Water Affordability, Transparency, Equity, and Reliability Act of 2019</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="#">H.R. 1417</a> <a href="#">Water Affordability, Transparency, Equity, and Reliability Act of 2019</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="#">H.R. 1497</a> <a href="#">Water Quality Protection and Job Creation Act of 2019</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>Reported by the Committee. Placed on the Union Calendar – September 4, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 1621</u></a> <a href="#"><u>Water Supply</u></a> <a href="#"><u>Permitting</u></a> <a href="#"><u>Coordination Act</u></a>	<p>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.</p>	<p>Introduced by Rep. Tom McClintock (R-CA) – March 7, 2019</p>	
<a href="#"><u>H.R. 1764</u></a> <a href="#"><u>To amend the</u></a> <a href="#"><u>Federal Water</u></a> <a href="#"><u>Pollution Control</u></a> <a href="#"><u>Act with respect to</u></a> <a href="#"><u>permitting terms,</u></a> <a href="#"><u>and for other</u></a> <a href="#"><u>purposes.</u></a>	<p>To extend the NPDES permit period from 5 years to 10 years.</p>	<p>Introduced by Rep. John Garamendi (D-CA) – March 14, 2019</p>	<p><i>Support (with condition of needing Napolitano's support on the bill as well)</i></p>
<a href="#"><u>H.R. 2030</u></a> <a href="#"><u>Colorado River</u></a> <a href="#"><u>Drought</u></a> <a href="#"><u>Contingency Plan</u></a> <a href="#"><u>Authorization Act</u></a>	<p>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.</p>	<p>Introduced by Rep. Raul Grijalva (D-AZ) – April 2, 2019</p> <p>Became Public Law No: 116-14 - April 16, 2019</p>	
<a href="#"><u>S. 1057</u></a> <a href="#"><u>Colorado River</u></a> <a href="#"><u>Drought</u></a> <a href="#"><u>Contingency Plan</u></a> <a href="#"><u>Authorization Act</u></a>	<p>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</p>	<p>Introduced by Sen. Martha McSally (R-AZ) – April 8, 2019</p> <p>Passed the Senate on April 9, 2019. Introduced in the House</p>	
<a href="#"><u>S. 1087</u></a> <a href="#"><u>Water Quality</u></a> <a href="#"><u>Certification</u></a> <a href="#"><u>Improvement Act of</u></a> <a href="#"><u>2019</u></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 Sen. John Barrasso (R-WY) – April 9, 2019</p>	

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>Placed on the Union Calendar – February 4, 2020</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>	<p>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.</p>	<p>Introduced by Rep. Jared Huffman (D-CA) – April 12, 2019</p>	
<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>	<p>(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.</p>	<p>Introduced by Rep. Ted Lieu (D-CA) – April 18, 2019</p>	
<a href="#">H.R. 2377</a> <a href="#">Protect Drinking Water from PFAS Act of 2019</a>	<p>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.</p>	<p>Introduced by Rep. Brendan Boyle (D-PA) – April 29, 2019</p> <p>Forwarded by Subcommittee to Full Committee on Energy and Commerce by Voice Vote – September 26, 2019</p>	
<a href="#">S. 1251</a> <a href="#">Safe Drinking Water Assistance Act of 2019</a>	<p>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.</p>	<p>Introduced by Sen. Jeanne Shaheen (D-NH) – April 30, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S. 1245</u></a> <a href="#"><u>All-of-the-Above Federal Building Energy Conservation Act of 2019</u></a>	<p>A bill to improve energy performance in Federal buildings, including water usage.</p>	<p>Introduced by Sen. John Hoeven (R-ND) – April 30, 2019</p> <p>Placed on Senate Legislative Calendar - September 25, 2019</p>	
<a href="#"><u>H.R. 2462</u></a> <a href="#"><u>Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</u></a>	<p>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.</p>	<p>Introduced by Rep. Mike Quigley (D-IL) – May 2, 2019</p>	
<a href="#"><u>S. 1276</u></a> <a href="#"><u>Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</u></a>	<p>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.</p>	<p>Introduced by Sen. Dick Durbin (D-IL) – May 2, 2019</p>	
<a href="#"><u>H.R. 2458</u></a> <a href="#"><u>Water Infrastructure Sustainability and Efficiency Act</u></a>	<p>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.</p>	<p>Introduced by Rep. Debbie Mucarsel-Powell (D-FL) – May 2, 2019</p>	
<a href="#"><u>H.R. 2473</u></a> <a href="#"><u>Securing Access for the central Valley and Enhancing (SAVE) Water Resources Act</u></a>	<p>To promote water supply reliability and improved water management for rural communities, the State of California, and the Nation, and for other purposes.</p>	<p>Introduced by Rep. Josh Harder (D-CA) – May 2, 2019</p> <p>Order to be Reported (Amended) – March 11, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2470</a> <a href="#">Clean Water Infrastructure Resilience and Sustainability Act</a>	<p>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.</p>	<p>Introduced by Rep. Salud Carbajal (D-CA) – May 3, 2019</p>	
<a href="#">S. 1372</a> <a href="#">PFAS Accountability Act of 2019</a>	<p>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.</p>	<p>Introduced by Sen. Debbie Stabenow (D-MI) – May 8, 2019</p>	
<a href="#">H.R. 2570</a> <a href="#">PFAS User Fee Act of 2019</a>	<p>To ensure that polluters pay ongoing water treatment costs associated with contamination from perfluoroalkyl and polyfluoroalkyl substances, and for other purposes.</p>	<p>Introduced Rep. Harley Rouda (D-CA) – May 9, 2019</p> <p>Forwarded by Subcommittee to Full Committee on Energy and Commerce by voice vote – September 26, 2019</p>	<p><i>Watching</i></p>
<a href="#">H.R. 2665</a> <a href="#">Smart Energy and Water Efficiency Act of 2019</a>	<p>To direct the Secretary of Energy to establish a smart energy and water efficiency program, and for other purposes.</p>	<p>Introduced Rep. Jerry McNerney (D-CA) – May 13, 2019</p> <p>Ordered to be Reported (Amended) by Voice Vote – July 17, 2019</p>	
<a href="#">H.R. 2705</a> <a href="#">Water Infrastructure Trust Fund Act of 2019</a>	<p>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.</p>	<p>Introduced by Rep. Earl Blumenauer (D-OR) – May 14, 2019</p>	

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

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> <p>Natural Resources Subcommittee on Water, Oceans, and Wildlife hearing held – June 25, 2020</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) – June 14, 2019</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 on Water and Power hearing – 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  Ordered to be Reported (Amended) – March 11, 2020	



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</a> <a href="#">Insurance Program</a> <a href="#">Reauthorization and</a> <a href="#">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</a> <a href="#">Research</a> <a href="#">Amendments</a> <a href="#">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</a> <a href="#">Executive order</a> <a href="#">preparing the United</a> <a href="#">States for the</a> <a href="#">impacts of climate</a> <a href="#">change, and for other</a> <a href="#">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 HydroEnvironmental 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  Placed on Senate Legislative Calendar – February 3, 2020	
<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</u></a> <a href="#"><u>OUT Act of 2019</u></a>	<p>To eliminate lead-based pipe and tap hazards in housing, and for other purposes.</p>	<p>Introduced by Rep. Tim Ryan (D-OH) – September 12, 2019</p>	
<a href="#"><u>H.R. 4341</u></a> <a href="#"><u>Critically</u></a> <a href="#"><u>Endangered Animals</u></a> <a href="#"><u>Conservation Act of</u></a> <a href="#"><u>2019</u></a>	<p>To assist in the conservation of critically endangered species in foreign countries, and for other purposes.</p>	<p>Introduced by Rep. Jarred Huffman (D-CA) – September 12, 2019</p> <p>Subcommittee on Water, Oceans, and Wildlife hearing - September 24, 2019</p>	
<a href="#"><u>H.R. 4347</u></a> <a href="#"><u>PREPARE Act of</u></a> <a href="#"><u>2019</u></a>	<p>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.</p>	<p>Introduced by Rep. Matt Cartwright (D-PA) – September 17, 2019</p> <p>Ordered to be Reported by voice vote – September 19, 2019</p>	
<a href="#"><u>S. 2491</u></a> <a href="#"><u>Protect America's</u></a> <a href="#"><u>Wildlife and Fish in</u></a> <a href="#"><u>Need of</u></a> <a href="#"><u>Conservation Act of</u></a> <a href="#"><u>2019</u></a>	<p>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.</p>	<p>Introduced by Sen. Tom Udall (D-NM) – September 17, 2019</p>	

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  Placed on the Union Calendar – August 7, 2020	
<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  Subcommittee on Natural Parks, Forests, and Public Lands hearing – February 27, 2020	
<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	

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LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.Res. 628</u></a> <a href="#"><u>Expressing support for the designation of the week beginning on October 13, 2019, as National Wildlife Refuge Week</u></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	
<a href="#"><u>S.Res. 362</u></a> <a href="#"><u>A resolution designating the week beginning on October 13, 2019, as "National Wildlife Refuge Week"</u></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="#"><u>S. 2636</u></a> <a href="#"><u>Clean Water Infrastructure Resilience and Sustainability Act</u></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="#"><u>H.R. 4723</u></a> <a href="#"><u>Fish Act of 2019</u></a>	To require the identification of salmon conservation areas, and for other purposes.	Introduced by Rep. Jared Huffman (D-CA) – October 17, 2019  Subcommittee on Water, Oceans, and Wildlife hearing – January 14, 2020	



LEGISLATION	SUMMARY	STATUS	POSITION
<p><a href="#"><u>H.R. 4732</u></a>  <a href="#"><u>To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes</u></a></p>	<p>To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes.</p>	<p>Introduced by Rep. Nydia Velasquez (D-NY) – October 17, 2019</p>	
<p><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>	<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>	
<p><a href="#"><u>H.R. 4780</u></a>  <a href="#"><u>National Infrastructure Investment Corporation Act of 2019</u></a></p>	<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>	
<p><a href="#"><u>S. 2674</u></a>  <a href="#"><u>Assuring Quality Water Infrastructure Act</u></a></p>	<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>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2687</a> <a href="#">Low-Income Water Customer Assistance Programs Act of 2019</a>	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.	Introduced by Sen. Benjamin Cardin (D-MD) – October 23, 2019	
<a href="#">H.R. 4832</a> <a href="#">Low-Income Water Customer Assistance Programs Act of 2019</a>	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.	Introduced by Rep. Marcia Judge (D-OH) – October 23, 2019	
<a href="#">H.R. 4891</a> <a href="#">Western Water Security Act of 2019</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  Ordered to be Reported (Amended) – March 11, 2020	
<a href="#">S. 2767</a> <a href="#">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</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="#">S. 2783</a> <a href="#">Responsibly Enhancing America's Landscapes Act</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	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2799</a> <a href="#">Nexus of Energy and Water for Sustainability Act of 2019</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	
<a href="#">S. 2792</a> <a href="#">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</a> <a href="#">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</a> <a href="#">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</a> <a href="#">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  Ordered to be Reported (Amended) – November 20, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 5176</u></a> <a href="#"><u>Climate Resiliency Service Corps Act of 2019</u></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="#"><u>H.R. 5193</u></a> <a href="#"><u>Buy America for Drinking Water Extension Act of 2019</u></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="#"><u>H.R. 5217</u></a> <a href="#"><u>WOW Act</u></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="#"><u>H.R. 5288</u></a> <a href="#"><u>Upper Mississippi River Flood Control Act</u></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	
<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	

LEGISLATION	SUMMARY	STATUS	POSITION
<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  Ordered to be Reported – February 12, 2020	
<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  Ordered to be Reported (Amended) – February 12, 2020	
<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  Ordered to be reported with an amendment – July 29, 2020	
<a href="#"><u>S. 3046</u></a> <a href="#"><u>Wastewater Efficiency and Treatment Act of 2019</u></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	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3051</a> <a href="#">America's</a> <a href="#">Conservation</a> <a href="#">Enhancement Act</a>	To improve protections for wildlife, and for other purposes.	Introduced by John Barrasso (R-WY) – December 12, 2019  Sen. Barrasso filed written report – July 1, 2020	
<a href="#">H.R. 5430</a> <a href="#">United States-</a> <a href="#">Mexico-Canada</a> <a href="#">Agreement</a> <a href="#">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  Became Public Law No: 116-113 – January 29, 2020	
<a href="#">S. 3052</a> <a href="#">United States-</a> <a href="#">Mexico-Canada</a> <a href="#">Agreement</a> <a href="#">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</a> <a href="#">Lands and Waters</a> <a href="#">Climate Solution Act</a> <a href="#">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  Committee on Natural Resources hearing – February 26, 2020	
<a href="#">H.R. 5445</a> <a href="#">Critical</a> <a href="#">Infrastructure Act of</a> <a href="#">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	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S. 3082</u></a> <a href="#"><u>LEVEE Act</u></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	
<a href="#"><u>H.R.5513</u></a> <a href="#"><u>Affordable Safe Drinking Water Act of 2019</u></a>	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.	Introduced by Rep. Joseph Kennedy (D-MA) – December 20, 2019	
<a href="#"><u>H.R. 5504</u></a> <a href="#"><u>To amend the National Dam Safety Program Act with respect to the definition of eligible high hazard potential dam, and for other purposes</u></a>	To amend the National Dam Safety Program Act with respect to the definition of eligible high hazard potential dam, and for other purposes.	Introduced by Rep. Julia Brownley (D-CA) – December 19, 2019	
<a href="#"><u>H.R.5539</u></a> <a href="#"><u>Clean Water Standards for PFAS Act of 2020</u></a>	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.	Introduced by Rep. Chris Pappas (D-NH) – January 3, 2020	
<a href="#"><u>H.R. 5540</u></a> <a href="#"><u>PFAS Transparency Act</u></a>	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.	Introduced by Rep. Antonio Delgado (D-NY) – January 3, 2020	
<a href="#"><u>S. 3160</u></a> <a href="#"><u>Affordable Safe Drinking Water Act of 2020</u></a>	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.	Introduced by Sen. Elizabeth Warren (D-MA) – January 8, 2020	
<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	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3176</a> <a href="#">United States-Israel Security Assistance Authorization Act of 2020</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  Placed on Senate Legislation Calendar – June 3, 2020	
<a href="#">H.R. 5579</a> <a href="#">LIST Act of 2020</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="#">H.R. 5580</a> <a href="#">Bring ESA Into the 21st Century Act</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="#">H.R. 5588</a> <a href="#">WHOLE Act of 2020</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="#">H.R. 5585</a> <a href="#">Listing Reform Act</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="#">H.R. 5591</a> <a href="#">Critical Habitat Improvement Act</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="#">H.R. 5594</a> <a href="#">EMPOWERS Act of 2020</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="#">H.R. 5595</a> <a href="#">Israel Anti-Boycott Act</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	
<a href="#">H.R. 5601</a> <a href="#">Property Rights Protection Act of 2020</a>	To protect private property rights, and for other purposes.	Introduced by Rep. Ralph Norman (R-SC) – January 14, 2020	



LEGISLATION	SUMMARY	STATUS	POSITION
<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>	<p>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.</p>	<p>Introduced by Rep. Debbie Dingell (D-MI) – January 14, 2020</p>	
<a href="#"><u>H.R. 5598</u></a> <a href="#"><u>Boundary Waters Wilderness Protection and Pollution Prevention Act</u></a>	<p>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.</p>	<p>Introduced by Rep. Betty McCollum (D-MN) – January 14, 2020</p> <p>Subcommittee on Energy and Mineral Resources hearing – February 5, 2020</p>	
<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>	<p>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.</p>	<p>Introduced by Rep. Steven Horsford (D-NV) – January 15, 2020</p>	
<a href="#"><u>H.R. 5615</u></a> <a href="#"><u>TREES Act</u></a>	<p>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.</p>	<p>Introduced by Rep. Doris Matsui (D-CA)–January 15, 2020</p>	

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.	<p>Introduced by Rep. Alan Lowenthal (D-CA) – January 16, 2020</p> <p>Subcommittee on Energy and Mineral Resources hearing – January 28, 2020</p>	
<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	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3221</a> <a href="#">Farm System Reform Act of 2019</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	
<a href="#">H. Res. 835</a> <a href="#">Expressing the sense of the House of Representatives 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</a>	Expressing the sense of the House of Representatives 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.	Introduced by Rep. Debra Haaland (D-NM) – February 6, 2020	
<a href="#">H.R. 5832</a> <a href="#">SHORE Act</a>	To direct the Secretary of the Army and the Director of the Office of Management and Budget to issue regulations and submit a report to Congress on cost-benefit ratios, and for other purposes.	Introduced by Rep. John Katko (R-NY) – February 10, 2020	
<a href="#">S. 3274</a> <a href="#">Decentralized Wastewater Grant Act of 2020</a>	To amend the Federal Water Pollution Control Act to establish a decentralized wastewater grant program, and for other purposes.	Introduced by Sen. Cory Booker (D-NJ) – February 11, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.Con.Res. 89</u></a> <a href="#"><u>Encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities</u></a>	<p>Encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities.</p>	<p>Introduced by Rep. Debbie Dingell (D-MI) – February 11, 2020</p>	
<a href="#"><u>S.3288</u></a> <a href="#"><u>PUBLIC Lands Act</u></a>	<p>To provide for the protection of and investment in certain Federal land in the State of California, and for other purposes.</p>	<p>Introduced by Sen. Kamala Harris (D-CA) – February 12, 2020</p>	
<a href="#"><u>H.R. 5856</u></a> <a href="#"><u>Decentralized Wastewater Grant Act of 2020</u></a>	<p>To amend the Federal Water Pollution Control Act to establish a decentralized wastewater grant program, and for other purposes.</p>	<p>Introduced by Rep. Terri Sewell (D-AL) – February 11, 2020</p>	
<a href="#"><u>H.R. 5868</u></a> <a href="#"><u>RELIEF ACT</u></a>	<p>To amend the Act of August 18, 1941 (commonly known as the Flood Control Act of 1941), to allow a non-Federal sponsor to carry out certain work, to provide for reimbursement of costs to complete such work, and for other purposes.</p>	<p>Introduced by Rep. Jeff Fortenberry (R-NE) – February 13, 2020</p>	
<a href="#"><u>H.R. 5902</u></a> <a href="#"><u>Plastics Act of 2020</u></a>	<p>To establish a microplastics pilot program, and for other purposes.</p>	<p>Introduced by Rep. Brian Mast (R-FL) – February 14, 2020</p>	
<a href="#"><u>H.R.5986</u></a> <a href="#"><u>Environmental Justice For All Act</u></a>	<p>To restore, reaffirm, and reconcile environmental justice and civil rights, provide for the establishment of the Interagency Working Group on Environmental Justice Compliance and Enforcement, and for other purposes.</p>	<p>Introduced by Rep. Raul Grijalva (D-AZ) – February 27, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6000</u></a> <a href="#"><u>To reauthorize a pilot program to evaluate the effectiveness of certain water-related feasibility studies carried out by non-Federal interests.</u></a>	<p>To reauthorize a pilot program to evaluate the effectiveness of certain water-related feasibility studies carried out by non-Federal interests.</p>	<p>Introduced by Rep. Mike Johnson (R-LA) – February 27, 2020</p>	
<a href="#"><u>H.R.6112</u></a> <a href="#"><u>Oil and Water Don't Mix Act of 2020</u></a>	<p>To require operators of oil and gas production facilities to take certain measures to protect drinking water, and for other purposes.</p>	<p>Introduced by Rep. Jared Huffman (D-CA) – March 5, 2020</p>	
<a href="#"><u>H.R.6113</u></a> <a href="#"><u>ARPA-H2O Act of 2020</u></a>	<p>To establish an Advanced Research Projects Agency–Water, and for other purposes.</p>	<p>Introduced by Rep. John Katko (R-NY) – March 5, 2020</p>	
<a href="#"><u>S.3418</u></a> <a href="#"><u>STORM Act</u></a>	<p>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 States to establish revolving funds to provide hazard mitigation assistance to reduce risks from disasters and natural hazards, and other related environmental harm.</p>	<p>Introduced by Sen. Gary Peters (D-MI) – March 11, 2020</p> <p>Placed on Senate Legislative Calendar – August 10, 2020</p>	
<a href="#"><u>H.R.6185</u></a> <a href="#"><u>Save Our Springs Act of 2020</u></a>	<p>To amend the Internal Revenue Code of 1986 to impose an excise tax on the extraction of certain water for bottling, and for other purposes.</p>	<p>Introduced by Rep. Debbie Wasserman Schultz (D-FL) – March 10, 2020</p>	
<a href="#"><u>S. 3422</u></a> <a href="#"><u>Great American Outdoors Act</u></a>	<p>To amend title 54, United States Code, to establish, fund, and provide for the use of amounts in a National Parks and Public Land Legacy Restoration Fund to address the maintenance backlog of the National Park Service, the United States Fish and Wildlife Service, the Bureau of Land Management, the Forest Service, and the Bureau of Indian Education, and to provide permanent, dedicated funding for the Land and Water Conservation Fund, and for other purposes.</p>	<p>Introduced by Sen. Cory Gardner (R-CO) – March 10, 2020</p> <p>Placed on Senate Legislative Calendar – March 11, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<p><a href="#"><u>S.Res.537</u></a>  <a href="#"><u>A resolution encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities</u></a></p>	<p>Encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities.</p>	<p>Introduced by Sen. Thomas Carter (D-DE) – March 10, 2020</p>	
<p><a href="#"><u>H.R.6169</u></a>  <a href="#"><u>To require the Secretary of the Interior, the Secretary of Agriculture, and the Assistant Secretary of the Army for Civil Works to digitize and make publicly available geographic information system mapping data relating to public access to Federal land and waters for outdoor recreation, and for other purposes</u></a></p>	<p>To require the Secretary of the Interior, the Secretary of Agriculture, and the Assistant Secretary of the Army for Civil Works to digitize and make publicly available geographic information system mapping data relating to public access to Federal land and waters for outdoor recreation, and for other purposes.</p>	<p>Introduced by Rep. Russ Fulcher (D-ID) – March 10, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.3480</u></a> <a href="#"><u>PFAS Testing and Treatment Act of 2020</u></a>	To amend the Safe Drinking Water Act and the Federal Water Pollution Control Act to authorize additional assistance to address pollution from perfluoroalkyl and polyfluoroalkyl substances and other emerging contaminants, and for other purposes.	Introduced by Sen. Jeanne Shaheen (D-NH) – March 12, 2020	
<a href="#"><u>H.R.6395</u></a> <a href="#"><u>William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021</u></a>	To authorize appropriations for fiscal year 2021 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.	Introduced by Rep. Adam Smith (D-WA) – March 26, 2020  Passed in the House – July 21, 2020	
<a href="#"><u>H.R.6422</u></a> <a href="#"><u>National Infrastructure Bank Act of 2020</u></a>	To facilitate efficient investments and financing of infrastructure projects and new job creation through the establishment of a National Infrastructure Bank, and for other purposes.	Introduced by Danny Davis (D-IL) – March 31, 2020	
<a href="#"><u>H.R.6552</u></a> <a href="#"><u>Emergency Water is a Human Right Act</u></a>	To prohibit water shutoffs during the COVID–19 emergency period, provide drinking and waste water assistance to households, and for other purposes.	Introduced by Rep. Rashida Tlaib (D-MI) – April 17, 2020	
<a href="#"><u>H.R.6617</u></a> <a href="#"><u>Western Water Storage Infrastructure Act</u></a>	To support surface and groundwater storage and supporting projects in Reclamation States, and for other purposes.	Introduced by Rep. TJ Cox (D-CA) – April 29, 2020	
<a href="#"><u>H.R.6631</u></a> <a href="#"><u>Essential Worker Protection Act of 2020</u></a>	To direct the Secretary of Labor to establish an interagency task force on worker protection from COVID–19, and for other purposes.	Introduced by Rep. Haley Stevens (D-MI) – April 28, 2020	
<a href="#"><u>S.3590</u></a> <a href="#"><u>Drinking Water Infrastructure Act of 2020</u></a>	To amend the Safe Drinking Water Act to reauthorize certain provisions, and for other purposes.	Introduced by Sen. John Barrasso (R-WY) – May 4, 2020  Placed on Senate Legislative Calendar – May 11, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.3591</u></a> <a href="#"><u>America's Water Infrastructure Act of 2020</u></a>	To provide for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources, to provide for water pollution control activities, and for other purposes.	Introduced by Sen. John Barrasso (R-WY) – May 4, 2020  Placed on Senate Legislative Calendar – May 11, 2020	
<a href="#"><u>S.3621</u></a> <a href="#"><u>Made in America Water Infrastructure Act of 2020</u></a>	A bill to amend the Safe Drinking Water Act to remove limitations on the required use of American iron and steel products in projects carried out using State revolving loan funds, and for other purposes.	Introduced by Sen. Tammy Baldwin (D-WI) – May 6, 2020	
<a href="#"><u>H.R.6745</u></a> <a href="#"><u>Clean Water for All Act</u></a>	To prohibit implementation of a rule defining “waters of the United States” under the Federal Water Pollution Control Act, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – May 11, 2020	
<a href="#"><u>H.R.6898</u></a> <a href="#"><u>IMAGINE Act</u></a>	To encourage the research and use of innovative materials and associated techniques in the construction and preservation of the domestic transportation and water infrastructure system, and for other purposes.	Introduced by Rep. David Cicilline (D-RI) – May 18, 2020	
<a href="#"><u>H.R.6922</u></a> <a href="#"><u>BASE Protection Act</u></a>	To require the Corps of Engineers to expedite review of applications for certain flood control projects near military installations, and for other purposes.	Introduced by Rep. Don Bacon (R-NE) – May 20, 2020	
<a href="#"><u>S. 3811</u></a> <a href="#"><u>Restoration of Essential Conveyance Act</u></a>	To provide financial assistance for projects to address certain subsidence impacts in the State of California, and for other purposes.	Introduced by Sen. Dianne Feinstein (D-CA) – May 21, 2020  Subcommittee on Water and Power hearing held – July 22, 2020	
<a href="#"><u>H.R.7092</u></a> <a href="#"><u>Great American Outdoors Act</u></a>	To amend title 54, United States Code, to establish, fund, and provide for the use of amounts in a National Parks and Public Land Legacy Restoration Fund to address the maintenance backlog of the National Park Service, the United States Fish and Wildlife Service, the Bureau of Land Management, the Forest Service, and the Bureau of Indian Education, and to provide permanent, dedicated funding for the Land and Water Conservation Fund, and for other purposes.	Introduced by Rep. Joe Cunningham (D-SC) – June 4, 2020	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.7095</u></a> <a href="#"><u>INVEST in America Act</u></a>	To authorize funds for Federal-aid highways, highway safety programs, and transit programs, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – June 4, 2020	
<a href="#"><u>H.R.2</u></a> <a href="#"><u>Moving Forward Act</u></a>	To authorize funds for Federal-aid highways, highway safety programs, and transit programs, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – June 11, 2020  Passed in the House – July 1, 2020	
<a href="#"><u>H.R.7231</u></a> <a href="#"><u>Infrastructure Bank for America Act of 2020</u></a>	To establish the Infrastructure Bank for America as a corporation to serve as a lender for and investor in infrastructure projects, and for other purposes.	Introduced by Rep. Daniel Webster (R-FL) – June 15 2020	
<a href="#"><u>H.R.7243</u></a> <a href="#"><u>Identifying PFAS at Water Infrastructure Sites Act</u></a>	To require the Secretary of the Army, acting through the Chief of Engineers, to develop an inventory and carry out research with respect to PFAS, and for other purposes.	Introduced by Rep. Antonio Delgado (D-NY) – June 18, 2020	
<a href="#"><u>H.R.7280</u></a> <a href="#"><u>To amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain wastewater management subsidies</u></a>	To amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain wastewater management subsidies.	Introduced by Rep. Thomas Suozzi (D-NY) - June 18, 2020	
<a href="#"><u>S. 4049</u></a> <a href="#"><u>National Defense Authorization Act for Fiscal Year 2021</u></a>	To authorize appropriations for fiscal year 2021 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.	Introduced by Sen. James Inhofe (R-OK) - June 23, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.4188</a> <a href="#">Waters for Tomorrow Act</a>	To provide for drought preparedness and improved water supply reliability, and for other purposes.	Introduced by Sen. Kamala Harris (D-CA) – July 2, 2020  Subcommittee on Water and Power hearing held – July 22, 2020	
<a href="#">S.4189</a> <a href="#">Water for Conservation and Farming Act</a>	To provide for drought preparedness and improved water supply reliability.	Introduced by Sen. Ron Wyden (D-OR) – July 2, 2020  Subcommittee on Water and Power hearing held – July 22, 2020	
<a href="#">S.4206</a> <a href="#">A bill to amend the Water Infrastructure Finance and Innovation Act of 2014 to authorize the interest rate to be used on a secured loan to be the interest rate for United States Treasury securities of a similar maturity on the date of first disbursement of the loan, and for other purposes.</a>	To amend the Water Infrastructure Finance and Innovation Act of 2014 to authorize the interest rate to be used on a secured loan to be the interest rate for United States Treasury securities of a similar maturity on the date of first disbursement of the loan, and for other purposes.	Introduced by Sen. Jeff Merkley (D-OR) – July 2, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u><b>S.4308</b></u></a> <a href="#"><u>Special Districts</u></a> <a href="#"><u>Provide Essential</u></a> <a href="#"><u>Services Act</u></a>	<p>To amend the Social Security Act to include special districts in the coronavirus relief fund, to direct the Secretary to include special districts as an eligible issuer under the Municipal Liquidity Facility, and for other purposes.</p>	<p>Introduced by Sen. Kyrsten Sinema (D-AZ) – July 23, 2020</p>	
<a href="#"><u><b>H.R.7575</b></u></a> <a href="#"><u>Water Resources</u></a> <a href="#"><u>Development Act of</u></a> <a href="#"><u>2020</u></a>	<p>To provide for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources, and for other purposes.</p>	<p>Introduced by Rep. Peter DeFazio (D-OR) – July 13, 2020</p> <p>Passed in the House, Received in the Senate - July 30, 2020</p>	
<a href="#"><u><b>H.R.7608</b></u></a> <a href="#"><u>State, Foreign</u></a> <a href="#"><u>Operations,</u></a> <a href="#"><u>Agriculture, Rural</u></a> <a href="#"><u>Development,</u></a> <a href="#"><u>Interior,</u></a> <a href="#"><u>Environment,</u></a> <a href="#"><u>Military</u></a> <a href="#"><u>Construction, and</u></a> <a href="#"><u>Veterans Affairs</u></a> <a href="#"><u>Appropriations Act,</u></a> <a href="#"><u>2021</u></a>	<p>Making appropriations for the Department of State, foreign operations, and related programs for the fiscal year ending September 30, 2021, and for other purposes.</p>	<p>Introduced by Rep. Nita Lowery (D-NY) – July 13, 2020</p> <p>Passed in the House, Received in the Senate – July 30, 2020</p>	
<a href="#"><u><b>H.R.7610</b></u></a> <a href="#"><u>Agriculture, Rural</u></a> <a href="#"><u>Development, Food</u></a> <a href="#"><u>and Drug</u></a> <a href="#"><u>Administration, and</u></a> <a href="#"><u>Related Agencies</u></a> <a href="#"><u>Appropriations Act,</u></a> <a href="#"><u>2021</u></a>	<p>Making appropriations for Agriculture, Rural Development, Food and Drug Administration, and Related Agencies programs for the fiscal year ending September 30, 2021, and for other purposes.</p>	<p>Introduced by Rep. Sanford Bishop (D-GA) – July 13, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.7612</u></a> <a href="#"><u>Department of the Interior, Environment, and Related Agencies Appropriations Act, 2021</u></a>	Making appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Betty McCollum (D-MN) – July 14, 2020	
<a href="#"><u>H.R.7613</u></a> <a href="#"><u>Energy and Water Development and Related Agencies Appropriations Act, 2021</u></a>	Making appropriations for energy and water development and related agencies for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Marcy Kaptur (D-OH) – July 15, 2020  Placed on the Union Calendar – July 15, 2020	
<a href="#"><u>S. 4336</u></a> <a href="#"><u>RESILIENT Act</u></a>	To provide for the improvement of rural infrastructure in the United States, and for other purposes.	Introduced by Sen. Michael Bennet (D-CO) – July 28, 2020	
<a href="#"><u>S.4352</u></a> <a href="#"><u>Border Water Quality Restoration and Protection Act of 2020</u></a>	To provide for the water quality restoration of the Tijuana River and the New River, and for other purposes.	Introduced by Sen. Dianne Feinstein (D-CA) – July 29, 2020	
<a href="#"><u>S.4362</u></a> <a href="#"><u>Emergency Water and Energy is a Human Right Act</u></a>	To prohibit water and power shutoffs during the COVID–19 emergency period, provide drinking and wastewater assistance to households, and for other purposes.	Introduced by Sen. Jeff Merkley (D-OR) – July 29, 2020	
<a href="#"><u>S.4401</u></a> <a href="#"><u>Environmental Justice For All Act</u></a>	To restore, reaffirm, and reconcile environmental justice and civil rights, provide for the establishment of the Interagency Working Group on Environmental Justice Compliance and Enforcement, and for other purposes.	Introduced by Sen. Kamala Harris (D-CA) – August 3, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.4402</u></a> <a href="#"><u>A bill to amend the Federal Water Pollution Control Act to clarify certain activities that would have been authorized under Nationwide Permit 12 and other Nationwide Permits, and for other purposes</u></a>	<p>To amend the Federal Water Pollution Control Act to clarify certain activities that would have been authorized under Nationwide Permit 12 and other Nationwide Permits, and for other purposes.</p>	<p>Introduced by Sen. John Cornyn (R-TX) – August 3, 2020</p>	
<a href="#"><u>S.4431</u></a> <a href="#"><u>Emergency Wildfire and Public Safety Act of 2020</u></a>	<p>To increase wildfire preparedness and response throughout the United States, and for other purposes.</p>	<p>Introduced by Sen. Dianne Feinstein (D-CA) – August 4, 2020</p> <p>Energy and Natural Resources Subcommittee on Public Lands, Forests, and Mining hearing held – September 16, 2020</p>	
<a href="#"><u>H.R.7991</u></a> <a href="#"><u>Border Water Quality Restoration and Protection Act of 2020</u></a>	<p>To provide for the water quality restoration of the Tijuana River and the New River, and for other purposes.</p>	<p>Introduced by Rep. Juan Vargas (D-CA) – August 7, 2020</p>	
<a href="#"><u>H.R.8166</u></a> <a href="#"><u>Western Water Storage Infrastructure Act</u></a>	<p>To support surface and groundwater storage and supporting projects in Reclamation States, and for other purposes.</p>	<p>Introduced by Rep. TJ Cox (D-CA) – September 4, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.8217</u></a> <a href="#"><u>WIFIA Improvement Act of 2020</u></a>	To amend the Water Infrastructure Finance and Innovation Act of 2014 with respect to the final maturity date of certain loans, and for other purposes.	Introduced by Rep. John Garamendi (D-CA) – September 11, 2020	
<a href="#"><u>H.R.8292</u></a> <a href="#"><u>FUELS Act</u></a>	To amend the Water Resources Reform and Development Act of 2014 with respect to the application of the Spill Prevention, Control, and Countermeasure rule to certain farms, and for other purposes	Introduced by Rep. Eric Crawford (R-AR) – September 17, 2020	
<a href="#"><u>H.R.8337</u></a> <a href="#"><u>Continuing Appropriations Act, 2021 and Other Extensions Act</u></a>	Making continuing appropriations for fiscal year 2021, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – September 22, 2020  Became Public Law No: 166-159 – October 1, 2020	
<a href="#"><u>S.4664</u></a> <a href="#"><u>A bill to amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain waste water management subsidies</u></a>	To amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain waste water management subsidies.	Introduced by Sen. Kirsten Gillibrand (D-NY) – September 23, 2020	
<a href="#"><u>S.4681</u></a> <a href="#"><u>Plastic Pellet Free Waters Act</u></a>	To require the Administrator of the Environmental Protection Agency to promulgate certain limitations with respect to pre-production plastic pellet pollution, and for other purposes.	Introduced by Sen. Tom Udall (D-NM) – September 24, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<p><b><a href="#">S.Res.714</a></b>  <a href="#">A resolution encouraging the Administrator of the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken the Clean Water Act and protections for waters of the United States</a></p>	<p>Encouraging the Administrator of the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken the Clean Water Act and protections for waters of the United States.</p>	<p>Introduced by Sen. Tammy Duckworth (D-IL) – September 23, 2020</p>	
<p><b>H.R.8605</b>  To authorize the Secretary of Health and Human Services, in consultation with the Administrator of the Environmental Protection Agency to award grants to certain entities to conduct research on, or to establish, wastewater surveillance and other early warning systems, and for other purposes</p>	<p><i>Text is not yet available</i></p>	<p>Introduced by Rep. Andy Kim (D-NJ) – October 16, 2020</p>	

## COVID-19 RELIEF LEGISLATION

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u><b>H.R.6074</b></u></a> <a href="#"><u>Coronavirus Preparedness and Response Supplemental Appropriations Act, 2020</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – March 4, 2020  Became Public Law No: 116-123 – March 6, 2020	
<a href="#"><u><b>S.3415</b></u></a> <a href="#"><u>Paid Sick Days for Public Health Emergencies and Personal and Family Care Act</u></a>	To allow Americans to earn paid sick time so that they can address their own health needs and the health needs of their families.	Introduced by Sen. Patty Murray (D-WA) – March 5, 2020	
<a href="#"><u><b>H.R.6201</b></u></a> <a href="#"><u>Families First Coronavirus Response Act</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – March 11, 2020  Became Public Law No: 116-127 – March 18, 2020	
<a href="#"><u><b>H.R.6198</b></u></a> <a href="#"><u>Emergency Paid Leave Act of 2020</u></a>	To provide emergency paid leave benefits to certain individuals affected by COVID-19, and for other purposes.	Introduced by Rep. Stephanie Murphy (D-FL) – Introduced March 11, 2020	
<a href="#"><u><b>H.R.6150</b></u></a> <a href="#"><u>Paid Sick Days for Public Health Emergencies and Personal and Family Care Act</u></a>	To allow Americans to earn paid sick time so that they can address their own health needs and the health needs of their families.	Introduced by Rep. Rosa DeLauro (D-CT) – March 9, 2020	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6220</u></a> <a href="#"><u>Emergency Family and Medical Leave Expansion Act</u></a>	To amend the Family and Medical Leave Act of 1993 to provide for leave with respect to a public health emergency, and for other purposes.	Introduced by Rep. Robert Scott (D-VA) - March 12, 2020	
<a href="#"><u>S.3476</u></a> <a href="#"><u>Coronavirus Worker Relief Act</u></a>	To provide for unemployment benefits to workers affected by the 2019 Novel Coronavirus.	Introduced by Sen. Gary Peters (D-MI) - March 12, 2020	
<a href="#"><u>S.3548</u></a> <a href="#"><u>CARES Act</u></a>	To provide emergency assistance and health care response for individuals, families, and businesses affected by the 2020 coronavirus pandemic.	Introduced by Sen. Mitch McConnell (R-KY) – March 19, 2020  Committee on Small Business and Entrepreneurship hearing held – June 3, 2020	
<a href="#"><u>H.R.6321</u></a> <a href="#"><u>Financial Protections and Assistance for America's Consumers, States, Businesses, and Vulnerable Populations Act</u></a>	To provide financial protections and assistance for America’s consumers, States, businesses, and vulnerable populations during the COVID-19 emergency and to recover from the emergency.	Introduced by Rep. Maxine Waters (D-CA) – March 23, 2020	
<a href="#"><u>H.R.6328</u></a> <a href="#"><u>Emergency Relief for State, Territorial and Local Governments Act of 2020</u></a>	To authorize Federal reserve banks to purchase COVID–19 related municipal issuances, and for other purposes.	Introduced by Rep. Rashida Tlaib (D-MI) – March 23, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6379</u></a> <a href="#"><u>Take Responsibility for Workers and Families Act</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowery (D-NY) – March 23, 2020	
<a href="#"><u>H.R. 6361</u></a> <a href="#"><u>Relief for Small Businesses and Nonprofits Act</u></a>	To provide loan and obligation payment relief for small businesses and nonprofits affected by the COVID–19 emergency, and for other purposes.	Introduced by Rep. Ed Perlmutter (D-CO) – March 23, 2020	
<a href="#"><u>S.3584</u></a> <a href="#"><u>COVID-19 Workers First Protection Act of 2020</u></a>	To direct the Secretary of Labor to issue an emergency temporary standard that requires certain employers to develop and implement a comprehensive infectious disease exposure control plan to protect employees in the health care sectors and other employees at elevated risk from exposure to SARS–CoV–2, and for other purposes.	Introduced by Sen. Tammy Baldwin (D-WI) – March 25, 2020	
<a href="#"><u>H.R. 6402</u></a> <a href="#"><u>COVID-19 Workforce Emergency Response Act</u></a>	To provide State and local workforce systems flexibility and financial support to respond to the COVID–19 national emergency.	Introduced by Rep. Andy Levin (D-MI) – March 26, 2020	
<a href="#"><u>H.R.748</u></a> <a href="#"><u>CARES Act</u></a>	To amend the Internal Revenue Code of 1986 to repeal the excise tax on high cost employer-sponsored health coverage.	Introduced by Rep. Joe Courtney (D-CT) – March 27, 2020  Became Public Law No: 116-136 – March 27, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u><b>H.R.6410</b></u></a> <a href="#"><u>To direct the President to use authority under the Defense Production Act of 1950 to ensure an adequate supply of equipment necessary for limiting the spread of COVID-19.</u></a>	<p>To direct the President to use authority under the Defense Production Act of 1950 to ensure an adequate supply of equipment necessary for limiting the spread of COVID-19.</p>	<p>Introduced by Rep. John Larson (D-CT) – March 27, 2020</p>	
<a href="#"><u><b>H.R.6423</b></u></a> <a href="#"><u>To provide for a temporary debt collection moratorium during the COVID-19 emergency period, and for other purposes.</u></a>	<p>To provide for a temporary debt collection moratorium during the COVID-19 emergency period, and for other purposes.</p>	<p>Introduced by Rep. Al Lawson (D-FL) – March 31, 2020</p>	
<a href="#"><u><b>H.R.6431</b></u></a> <a href="#"><u>Made in America Emergency Preparedness Act</u></a>	<p>To require the creation of a national commission to prepare for future national emergencies, and for other purposes.</p>	<p>Introduced by Rep. Brian Fitzpatrick (R-PA) – April 3, 2020</p>	
<a href="#"><u><b>H.R.6472</b></u></a> <a href="#"><u>COVID-19 Price Gouging Prevention Act</u></a>	<p>To prohibit price gouging in connection with the public health emergency resulting from COVID–19, and for other purposes.</p>	<p>Introduced by Rep. Janice Schakowsky (D-IL) – April 7, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6460</u></a> <a href="#"><u>To provide funding for needed child and adult care so that essential workers can report to work during the COVID-19 pandemic.</u></a>	<p>To provide funding for needed child and adult care so that essential workers can report to work during the COVID-19 pandemic.</p>	<p>Introduced by Rep. Danny Davis (D-IL) – April 7, 2020</p>	
<a href="#"><u>H.R.6525</u></a> <a href="#"><u>Reopen America Act of 2020</u></a>	<p>To provide the necessary Federal financial and logistical support so States can reopen their economies once periods of isolation have sufficiently reduced coronavirus infection and transmission rates, and with adequate testing and other safeguards to ensure infection rates do not exceed medical resources, and virus transmission rates are maintained below 1 and thereby steadily reduce the number of infected, and for other purposes.</p>	<p>Introduced by Rep. Jamie Raskin (D-MD) – April 17, 2020</p>	
<a href="#"><u>H.R. 6552</u></a> <a href="#"><u>Emergency Water is Human Right Act</u></a>	<p>To prohibit water shutoffs during the COVID–19 emergency period, provide drinking and waste water assistance to households, and for other purposes.</p>	<p>Introduced by Rep. Rashida Tlaib (D-MI) – April 17, 2020</p>	
<a href="#"><u>H.R.6559</u></a> <a href="#"><u>COVID-19 Every Worker Protection Act of 2020</u></a>	<p>To require the Occupational Safety and Health Administration to promulgate an emergency temporary standard to protect employees from occupational exposure to SARS–CoV–2, and for other purposes.</p>	<p>Introduced by Rep. Robert Scott (D-VA) – April 21, 2020</p>	
<a href="#"><u>H.R. 266</u></a> <a href="#"><u>Paycheck Protection Program and Health Care Enhancement Act</u></a>	<p>Making appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2019, and for other purposes.</p>	<p>Introduced by Rep. Betty McCollum (D-MN) – April 24, 2020</p> <p>Became Public Law No: 116-139 – April 24, 2020</p>	
<a href="#"><u>H.R. 6631</u></a> <a href="#"><u>Essential Worker Protection Act of 2020</u></a>	<p>To direct the Secretary of Labor to establish an interagency task force on worker protection from COVID–19, and for other purposes.</p>	<p>Introduced by Rep. Haley Stevens (D-MI) – April 28, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R.6652</a> <a href="#">Flexibility for Localities and Eligibility Expansion Act of 2020</a>	To amend title VI of the Social Security Act to expand the permissible use of funds under the Coronavirus Relief Fund.	Introduced by Rep. Don Bacon (R-NE) – May 1, 2020	
<a href="#">H.R. 6653</a> <a href="#">MASKS ON Act</a>	To require the Director of the Centers for Disease Control and Prevention to carry out a national public outreach campaign regarding the proper use of personal protective equipment to minimize personal risk of exposure to, and risk of spreading, the virus that causes COVID–19, and for other purposes.	Introduced by Rep. Daniel Lipinski (D-IL) – May 1, 2020	
<a href="#">H.R.6699</a> <a href="#">Opportunities for Heroes Act of 2020</a>	To establish a commission to determine essential employment during the COVID-19 crisis period and provide loan repayment and education credit to workers employed in such essential employment during such crisis, and for other purposes.	Introduced by Rep. Ann Kuster (D-NH) – May 5, 2020	
<a href="#">H.R.6705</a> <a href="#">Coronavirus State and Local Financial Assistance Act</a>	To require the Secretary of the Treasury to establish a State and Local Government Coronavirus Relief Program to make grants to States to make up for lost revenue due to COVID-19 and social distancing steps taken by the State and political subdivisions of the State, and for other purposes.	Introduced by Rep. Cynthia Axne (D-IA) – May 5, 2020	
<a href="#">S.3627</a> <a href="#">Medical Supply Transparency and Delivery Act</a>	A bill to provide for the expedited and transparent procurement and distribution of equipment and supplies needed to combat COVID-19.	Introduced by Sen. Tammy Badlwin (D-WI) – May 6, 2020	
<a href="#">S.3671</a> <a href="#">State &amp; Local Emergency Stabilization Fund Act of 2020</a>	To amend title VI of the Social Security Act to provide additional funding for States, Tribal governments, and local communities due to the Coronavirus Disease 2019 (COVID–19) public health emergency, and for other purposes.	Introduced by Rep. Jack Reed (D-RI) – May 7, 2020	
<a href="#">H.R. 6748</a> <a href="#">Direct Support for Communities Act</a>	To provide funding for cities, counties, and other units of general local government to prevent, prepare for, and respond to coronavirus.	Introduced by Rep. Antonio Delgado (D-NY) – May 8, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6760</u></a> <a href="#"><u>Fair Housing Further Enforcement Emergency Act of 2020</u></a>	To authorize assistance for fair housing enforcement activities to respond to the COVID-19 pandemic, and for other purposes.	Introduced by Rep. Al Green (D-TX) – May 8, 2020	
<a href="#"><u>S.3672</u></a> <a href="#"><u>Pandemic TANF Assistance Act</u></a>	To provide States and Indian Tribes with flexibility in administering the temporary assistance for needy families program due to the public health emergency with respect to the Coronavirus Disease (COVID–19), to make emergency grants to States and Indian Tribes to provide financial support for low-income individuals affected by that public health emergency, and for other purposes.	Introduced by Sen. Ron Wyden (D-OR) – May 11, 2020	
<a href="#"><u>S.3682</u></a> <a href="#"><u>A bill to provide States, Tribal governments, and local governments with spending discretion for part of their Coronavirus Relief Fund payment</u></a>	To provide States, Tribal governments, and local governments with spending discretion for part of their Coronavirus Relief Fund payment.	Introduced by Sen. Mike Rounds (R-SD) – May 11, 2020	
<a href="#"><u>S.3685</u></a> <a href="#"><u>Emergency Rental Assistance and Rental Market Stabilization Act of 2020</u></a>	To provide emergency rental assistance under the Emergency Solutions Grants program of the Secretary of Housing and Urban Development in response to the public health emergency resulting from the coronavirus, and for other purposes.	Introduced by Sen. Sherrod Brown (D-OH) – May 12, 2020	
<a href="#"><u>H.R.6800</u></a> <a href="#"><u>The Heroes Act</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – May 12, 2020  Placed on Senate Legislative Calendar – May 21, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u><b>H.R.6820</b></u></a> <a href="#"><u>Emergency Rental Assistance and Rental Market Stabilization Act of 2020</u></a>	<p>To provide emergency rental assistance under the Emergency Solutions Grants program of the Secretary of Housing and Urban Development in response to the public health emergency resulting from the coronavirus, and for other purposes.</p>	<p>Introduced by Rep. Denny Heck (D-WA) – May 12, 2020</p>	
<a href="#"><u><b>S.3728</b></u></a> <a href="#"><u>Critical Infrastructure Employee Protection Act of 2020</u></a>	<p>To require the Secretary of Transportation to support the efforts of State and local governments to provide for priority testing of essential critical infrastructure workers with respect to the Coronavirus Disease 2019 (COVID–19), and for other purposes.</p>	<p>Introduced by Sen. Roger Wicker (R-MS) – May 13, 2020</p>	
<a href="#"><u><b>S.3767</b></u></a> <a href="#"><u>SMART Act</u></a>	<p>To amend title VI of the Social Security Act to establish a Coronavirus Local Community Stabilization Fund.</p>	<p>Introduced by Sen. Steve Daines (R-MT) – May 19, 2020</p>	
<a href="#"><u><b>H.R.6918</b></u></a> <a href="#"><u>Paycheck Recovery Act of 2020</u></a>	<p>To direct the Secretary of the Treasury to establish a grant program for employers adversely affected by COVID–19, and for other purposes.</p>	<p>Introduced by Rep. Pramilla Jayapal (D-WA) – May 19, 2020</p>	
<a href="#"><u><b>H.R.6954</b></u></a> <a href="#"><u>SMART Act</u></a>	<p>To amend title VI of the Social Security Act to establish a Coronavirus Local Community Stabilization Fund</p>	<p>Introduced by Rep. Mikie Sherrill (D-NJ) – May 19, 2020</p>	
<a href="#"><u><b>S.3830</b></u></a> <a href="#"><u>United States Pandemic Relief Bonds Act of 2020</u></a>	<p>To amend title 31, United States Code, to authorize the issuance of United States Pandemic Bonds to aid in the funding of relief efforts related to coronavirus disease 2019 (COVID–19).</p>	<p>Introduced by Sen. Dan Sullivan (D-AK) – May 21, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.3833</a> <a href="#">Paycheck Protection Program Extension Act</a>	To extend the loan forgiveness period for the paycheck protection program, and for other purposes.	Introduced by Sen. Marco Rubio (R-FL) – May 21, 2020  Placed on Senate Legislative Calendar – June 1, 2020	
<a href="#">H.R. 6973</a> <a href="#">PPE Act</a>	To amend the paycheck protection program of the Small Business Administration to include costs related to the provision of personal protective equipment as an allowable use of a covered loan, and for other purposes.	Introduced by Rep. Abby Filkenauer (D-IA) – May 22, 2020	
<a href="#">H.R.6981</a> <a href="#">PPP DEAL Act</a>	To extend the covered period for loan forgiveness and the rehiring period under the CARES Act, and for other purposes.	Introduced by Rep. Connor Lamb (D-PA) - May 22, 2020	
<a href="#">H.R.7010</a> <a href="#">Paycheck Protection Program Flexibility Act of 2020</a>	To amend the Small Business Act and the CARES Act to modify certain provisions related to the forgiveness of loans under the paycheck protection program, to allow recipients of loan forgiveness under the paycheck protection program to defer payroll taxes, and for other purposes.	Introduced by Rep. Dean Phillips (D-MN) – May 26, 2020  Became Public Law No: 116-142 – June 5, 2020	
<a href="#">H.R.7065</a> <a href="#">To require States to certify a process for distributing Coronavirus Relief Funds to local governments</a>	To require States to certify a process for distributing Coronavirus Relief Funds to local governments.	Introduced by Rep. Kevin Brady (R-TX) – June 1, 2020	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.7073</u></a> <a href="#"><u>Special Districts</u></a> <a href="#"><u>Provide Essential</u></a> <a href="#"><u>Services Act</u></a>	To amend the Social Security Act to include special districts in the coronavirus relief fund, to direct the Secretary to include special districts as an eligible issuer under the Municipal Liquidity Facility, and for other purposes.	Introduced by Rep. John Garamendi (D-CA) – June 1, 2020	<i>Support</i>
<a href="#"><u>H.R.7090</u></a> <a href="#"><u>Coronavirus County</u></a> <a href="#"><u>Relief and Stability</u></a> <a href="#"><u>Act</u></a>	To amend title VI of the Social Security Act to establish the Coronavirus County Relief Fund, and for other purposes.	Introduced Rep. Paul Cook (R-CA) – June 4 2020	
<a href="#"><u>H.R.7094</u></a> <a href="#"><u>Flexibility for States</u></a> <a href="#"><u>and Localities Act</u></a>	To amend title VI of the Social Security Act to expand the permissible use of funds under the Coronavirus Relief Fund.	Introduced by Rep. Warren Davidson (R-OH) – June 4, 2020	
<a href="#"><u>S.4125</u></a> <a href="#"><u>Paycheck Protection</u></a> <a href="#"><u>Program Extension</u></a> <a href="#"><u>and Modification</u></a> <a href="#"><u>Act of 2020</u></a>	To extend the paycheck protection program and to provide supplemental loans to recipients of loans under the paycheck protection program, and for other purposes.	Introduced by Sen. Cory Gardner (R-CO) – July 1, 2020	
<a href="#"><u>H.R.7985</u></a> <a href="#"><u>Emergency</u></a> <a href="#"><u>Assistance for Rural</u></a> <a href="#"><u>Water Systems Act</u></a>	To provide for assistance to rural water and waste disposal systems affected by the COVID–19 pandemic, and for other purposes.	Introduced by Rep. David Rouzer (R-NC) – August 7, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R.8266</a> <a href="#">FEMA Assistance Relief Act of 2020</a>	To modify the Federal cost share of certain emergency assistance provided under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, to modify the activities eligible for assistance under the emergency declaration issued by the President on March 13, 2020 relating to COVID-19, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – September 16, 2020  Ordered to be Reported (Amended) by Voice Vote – September 30, 2020	
<a href="#">S.4633</a> <a href="#">Emergency Assistance for Rural Water Systems Act of 2020</a>	To provide for assistance to rural water, wastewater, and waste disposal systems affected by the COVID–19 pandemic, and for other purposes.	Introduced by Sen. Jeanne Shaheen (D-NH) – September 21, 2020	
<a href="#">H.R. 8406</a> <a href="#">The Heroes Act</a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – September 29, 2020	
<a href="#">S.4775</a> <a href="#">Delivering Immediate Relief to America's Families, Schools and Small Businesses Act</a>	To provide continued emergency assistance, educational support, and health care response for individuals, families, and businesses affected by the 2020 coronavirus pandemic	Introduced by Sen. Mitch McConnell (R-KY) – October 1, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.4773</u></a> <a href="#"><u>Continuing the Paycheck Protection Program Act</u></a>	To establish the Paycheck Protection Program Second Draw Loan, and for other purposes.	Introduced by Sen. Susan Collins (R-ME) – October 1, 2020	
<b>H.R.8474</b> To provide for a Community-Based Emergency and Non-Emergency Response Grant Program	<i>Text is not yet available.</i>	Introduced by Rep. Karen Bass (D-CA) – October 1, 2020	
<b>H.R.8504</b> To extend the Payroll Support Program, and for other purposes	<i>Text is not yet available.</i>	Introduced by Rep. Peter DeFazio (D-OR) – October 2, 2020	

November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: General Manager

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**Subject : Proposed 2021 JPA Board Meeting Calendar**

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**SUMMARY:**

The JPA Board regularly meets on the first Monday of each month. When the first Monday of a month falls on a holiday, the Board meeting is held on the following day. As previously approved by the Board, the March and September JPA Board meetings are held at the Oak Park Library; however, due to restrictions on mass gatherings in response to the coronavirus (COVID-19) pandemic, JPA Board meetings are held virtually until further notice. Attached for reference is the proposed 2021 JPA Board Meeting Calendar.

**RECOMMENDATION(S):**

Review the proposed 2021 JPA Board Meeting Calendar and make any scheduling adjustments.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

No

**DISCUSSION:**

The Proposed 2021 JPA Board Meeting Calendar is presented to review any potential conflicts. Following is a summary of several apparent conflicts that may warrant rescheduling.

- The May 3, 2021 JPA Board meeting is during the same week as the ACWA Spring Conference scheduled May 4 through 7, 2021. It is unknown whether the conference will be held in-person or virtually. Should the conference move forward as an in-person event, the Board could cancel the May 3, 2021 regular meeting and schedule a special meeting on May 10, 2021.
- The first Monday in September 2021 falls on the Labor Day holiday; therefore, the regular meeting would be held on Tuesday, September 7, 2021. However, this meeting date occurs on the first day of Rosh Hashanah. As an alternative, the Board could

cancel the September 7, 2021 regular meeting and schedule a special meeting on September 13, 2021.

Prepared by: Josie Guzman, Executive Assistant/Clerk of the Board

**ATTACHMENTS:**

Proposed 2021 JPA Board Meeting Calendar

2021

JANUARY						
S	M	T	W	T	F	S
					1	2
3	4 JPA	5 LV	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

CASA Winter Conf. Virtual 01/27 – 01/28

FEBRUARY						
S	M	T	W	T	F	S
	1 JPA	2 LV	3	4	5	6
7	8	9	10	11	12	13
14	15	16 LV	17	18	19	20
21	22	23	24	25	26	27
28						

CASA Washington DC Forum?  
ACWA Washington DC?

MARCH						
S	M	T	W	T	F	S
	1 JPA	2 LV	3	4	5	6
7	8	9	10	11	12	13
14	15	16 LV	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

WaterReuse Conf. (Location) 03/xx – 03/xx  
Passover 03/30 – 04/02 (begins at sundown day before)

APRIL						
S	M	T	W	T	F	S
				1	2	3
4	5 JPA	6 LV	7	8	9	10
11	12	13	14	15	16	17
18	19	20 LV	21	22	23	24
25	26	27	28	29	30	

Passover 04/03– 04/04 begins at sundown day before)  
California Water Policy Conf. U.C. Davis 04/xx – 04xx

MAY						
S	M	T	W	T	F	S
						1
2	3 JPA	4	5	6	7	8
9	10	11	12 LV	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

LV 05/04 and 05/18 canceled. Spec. Mtg. on 05/11.  
ACWA Spring Conf. Monterey 05/04 – 05/07  
Shavuot 05/17 – 05/18 (begins at sundown day before)

JUNE						
S	M	T	W	T	F	S
		1 LV	2	3	4	5
6	7 JPA	8	9	10	11	12
13	14	15 LV	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

	LVMWD Meeting
	JPA Meeting
	District Holiday

2021

JULY						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20 LV	21	22	23	24
25	26	27	28	29	30	31

AUGUST						
S	M	T	W	T	F	S
1	2 JPA	3 LV	4	5	6	7
8	9	10	11	12	13	14
15	16	17 LV	18	19	20	21
22	23	24	25	26	27	28
29	30	31 LV				

CASA Annual Conf. San Diego 08/11 – 08/13  
LV Spc. Mtg. 08/31 instead of 09/07

SEPTEMBER						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7 JPA	8	9	10	11
12	13	14	15 LV	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

OCTOBER						
S	M	T	W	T	F	S
					1	2
3	4 JPA	5 LV	6	7	8	9
10	11	12	13	14	15	16
17	18	19 LV	20	21	22	23
24	25	26	27	28	29	30
31						

LV 09/07 & 09/21 canceled. Spc. Mtg. on 09/15  
Rosh Hashanah 09/07 – 09/08 (begins at sundown day before)  
WaterReuse Symposium 09/xx – 09/xx (Location)  
Yom Kippur 09/16 and 09/21-09/22 (begins at sundown day before)  
Sukkot 09/23 – 09/27 (begins at sundown day before)  
Shmini Atzeret 09/28 (begins at sundown day before)  
Simchat Torah 09/29 (begins at sundown day before)

NOVEMBER						
S	M	T	W	T	F	S
1	1 JPA	2 LV	3	4	5	6
7	8	9	10	11	12	13
14	15	16 LV	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER						
S	M	T	W	T	F	S
			1	2	3	4
6	6 JPA	7 LV	8	9	10	11
12	13	14	15	16	17	18
19	20	21 LV	22	23	24	25
26	27	28	29	30	31	

Chanukah 11/29 – 12/06 (begins at sundown day before)  
ACWA Fall Conf. Pasadena 11/30 - 12/03

	LVMWD Meeting
	JPA Meeting
	District Holiday

November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

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**Subject : Tapia Tertiary Filter Media Replacement: Authorization of Purchase Order**

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**SUMMARY:**

One of the scheduled projects included in the current budget is the replacement of media in the tertiary filters at the Tapia Water Reclamation Facility. The tertiary filters are used to remove particulate matter in the treated water before disinfection and distribution. There are twelve tertiary filters at Tapia that need a media replacement approximately every 12 to 15 years due to a loss of anthracite from backwashing and a decrease in performance due to use.

For Fiscal Year 2020-21, Filter Nos. 5 and 6 are scheduled for media replacement. The last time the media was replaced in these filters was 2007. Each filter contains four feet of anthracite placed over a one-foot layer of gravel, which separates the anthracite from the underdrain. A request for bids was circulated for the work and four responsive bids were received. Staff requests authorization to issue a purchase order to Prominent Systems, Inc., in the amount of \$107,754, for the work.

**RECOMMENDATION(S):**

Authorize the Administering Agent/General Manager to issue a purchase order to Prominent Systems, Inc., in the amount of \$107,754, for replacement of tertiary filter media at the Tapia Water Reclamation Facility.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

Sufficient funds are available for the work in the adopted Fiscal Year 2020-21 JPA Budget. No additional appropriation is required.

**DISCUSSION:**



The adopted Fiscal Year 2020-21 JPA Budget includes replacement of media in the tertiary filters at the Tapia Water Reclamation Facility. The tertiary filters are used to remove particulate matter in the treated water before disinfection and distribution. There are twelve tertiary filters at Tapia that need a media replacement approximately every 12 to 15 years due to a loss of anthracite from backwashing and a decrease in performance due to use.

For Fiscal Year 2020-21, Filter Nos. 5 and 6 are scheduled for media replacement. The last time the media was replaced in these filters was 2007. Each filter contains four feet of anthracite placed over a one-foot layer of gravel, which separates the anthracite from the underdrain. A request for bids was advertised on-line and four bids were received for the work. The request for bids included an item for additional media, consisting of 21 supersacks of anthracite, to be placed in the other filters to increase media depth. The additional anthracite is necessary to replace media that is lost over time during backwashing of the filters.

Following is a summary of the bid results:

	<u>Media Replacement</u>	<u>Additional Media</u>
Carbon Activated Corp.	\$ 145,857.00	\$ 12,012.00
ERS Industrial Services, Inc.	\$ 114,790.00	\$ 26,664.00
MP Environmental	\$ 91,987.56	\$ 28,994.84
Prominent Systems, Inc.	\$ 82,450.00	\$ 19,304.00

The cost of media has remained relatively consistent since last year when Filter Nos. 3 and 4 had their media replaced at a cost of \$81,970.

Maintaining the tertiary filters provides for high quality recycled water that meets regulatory requirements.

Prepared by: Brett Dingman, Water Reclamation Manager

November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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**Subject : Pure Water Project Las Virgenes-Triunfo: Proposed Mascot**

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**SUMMARY:**

On August 3, 2020, JPA Director Janna Orkney requested a future agenda item for the Board to consider a proposed mascot for the Pure Water Project Las Virgenes-Triunfo. In addition, Director Orkney provided staff with fabric swatches that could be used for a mascot. A JPA-centric mascot could serve as a valuable tool to support long-term community buy-in for the Pure Water Project Las Virgenes-Triunfo. The mascot could also support comprehensive messaging to showcase the JPA's treatment processes and facilities, linking together a sustainability narrative. With these potential benefits in mind, staff proposes a mascot based on a previously-developed concept called the "League of Water Warriors." The name of the mascot would be "Super Drop."

**RECOMMENDATION(S):**

Review and provide feedback on the proposal for a JPA-centric mascot for the Pure Water Project Las Virgenes-Triunfo.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

A costume for the proposed mascot is estimated to cost between \$1,500 and \$2,000. Sufficient funds for the costume are available in the adopted Fiscal Year 2020-21 JPA Budget.

**DISCUSSION:**

A mascot can represent more than just a character; it can represent a message, a theme and a brand. "Little Drop" has been a staple of LVMWD for many years and received star treatment from local communities and industry organizations. With the Pure Water Project Las Virgenes-Triunfo, the JPA is bringing water full circle, allowing its story and position in

the industry to evolve. The JPA is advancing a truly unique process that merits considering a new, broader narrative on the future of water.

Several months ago, the Public Affairs team created a story of super heroes called the "League of Water Warriors" that emerged from the important, and often overlooked, water and wastewater processes that serve the region's communities and surrounding ecosystems. The League of Water Warriors, consists of characters that represent these important functions. To-date, the League of Water Warriors have participated in two public events: the Hidden Hills Parade in 2019 and the Metropolitan Water District's annual calendar event in downtown Los Angeles later that year. See Attachment A for photos of the League of Water Warriors.

In those two instances, Little Drop took on a new persona as "Super Drop". Importantly, Super Drop is not Little Drop and vice versa. Super Drop is intended to embody the energy and power from all of the JPA's treatment processes, creating a new sources of local drinking water supply.

Following is the narrative that was used for the League of Water Warriors and provides additional context for the proposed Super Drop mascot:

### ***Introduction***

*We live in a world powered by fossil fuels and an insatiable appetite for consuming precious and limited natural resources.*

*And because of that, we have created a villain more treacherous and vile that some can imagine... "Climate Change!"*

*With the ability to summons droughts, floods, scorching temperatures, extreme weather events and instill searing fear in the hearts of people, all seems lost. The odds for vanquishing this foe, insurmountable.*

*But all is not lost. Because the enemy has now met its match!*

*Secretly, the innovative minds of talented scientists and engineers from Las Virgenes-Triunfo Joint Powers Authority have created true heroes of the planet! Together, they form the League of Water Warriors!*

*These dedicated servants combine their unique individual weapons of sustainable wizardry to beat back and defeat Climate Change.*

### ***Meet the Purple Piper!***

*Using her magic flute, she changes wastewater into recycled water to keep our parks and soccer fields green, which leaves more drinking water to keep everything else alive!*

### ***There is no wasting water with Conservation Cowgirl!***

*Along with her drip-irrigation lasso, she wrangles-in wasteful water use and reduces the need for more imported water all the while minimizing greenhouse gas emissions, socking it to Climate Change!*

### **Who is Captain Compost?**

*With her free spirit of giving back to the community, Captain Compost shields us from poor air quality by using your poop to make nutrient rich free-compost and your gas to power the process, eliminating the use of trucks and fossil fuel emissions to haul your waste away.*

### **Always available is Thunder Tap!**

*Often taken for granted, Thunder Tap flows effortlessly into your homes leaving behind no traces of waste like plastic bottles, a scourge on the environment, which requires massive amounts of energy to manufacture, which is sweet nectar to the villainous climate change. She protects you from dehydration sustainably, while keeping you healthy and free of diseases.*

### **Rising from beneath is Wastewater Woman!**

*Wastewater Woman, with her sidekick Lil' Plop, uses her powers of absorption to create nutrient rich energy that she passes along to the Purple Piper and Captain Compost supercharging their abilities to crush the spirit of Climate Change!*

### **The leader and most Powerful Super Hero, Super Drop!**

*The mighty Super Drop is Climate Change's most potent adversary, drawing power from flushed toilets transforming from a waste product into the purest form of water. With foresight so masterful at seeing the future, Super Drop will be in your homes to keep you healthy and hydrated even when Climate Change is beating on your front door.*

*Ladies and Gentleman, the League of Water Warriors tirelessly work to protect and serve our communities from the wretched grip of Climate Change, and they cannot do it alone.*

*Only with your help by drinking and conserving tap water will the battle against this fierce enemy be won.*

*Join the League of Water Warriors and combat climate change by becoming a Water Hero!*

The Super Drop mascot would be similar in appearance to Little Drop but with some distinct variations. Instead of a blue color for the main body, Super Drop would have an iridescent/reflective color tone. Also, Super Drop would have a mask and cape. The mascot would likely include other subtle variations as well. For instance, Super Drop's mouth could have a more serious and intense expression. See Attachment B for a draft rendering of Super Drop.

Super Drop could appear alone at various JPA functions, including special tours of the Pure Water Demonstration Facility, or together with the entire cast of characters for the League of Water Warriors for special events.

**GOALS:**

Sustain Community Awareness and Support

Prepared by: Mike McNutt; Public Affairs and Communications Manager

**ATTACHMENTS:**

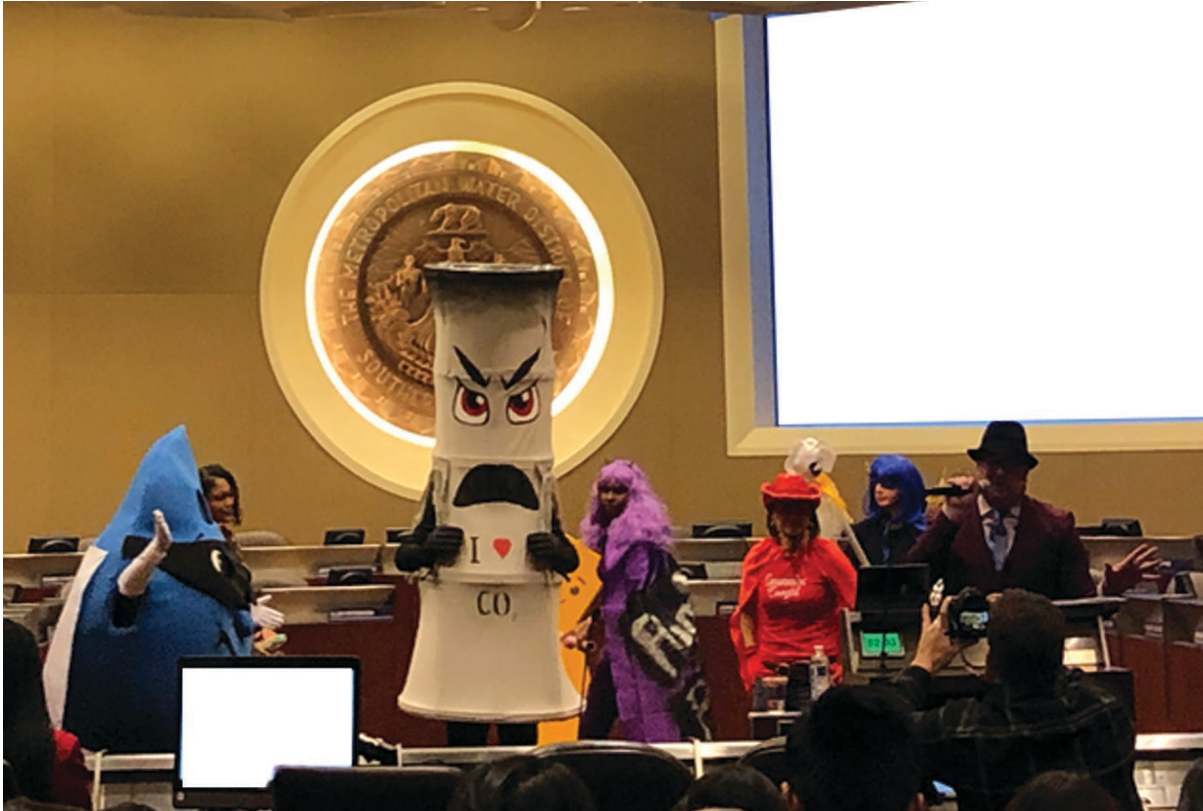
Attachment A - The League of Water Warriors

Attachment B - Proposed Super Drop Rendering

**THE LEAGUE OF WATER WARRIORS**



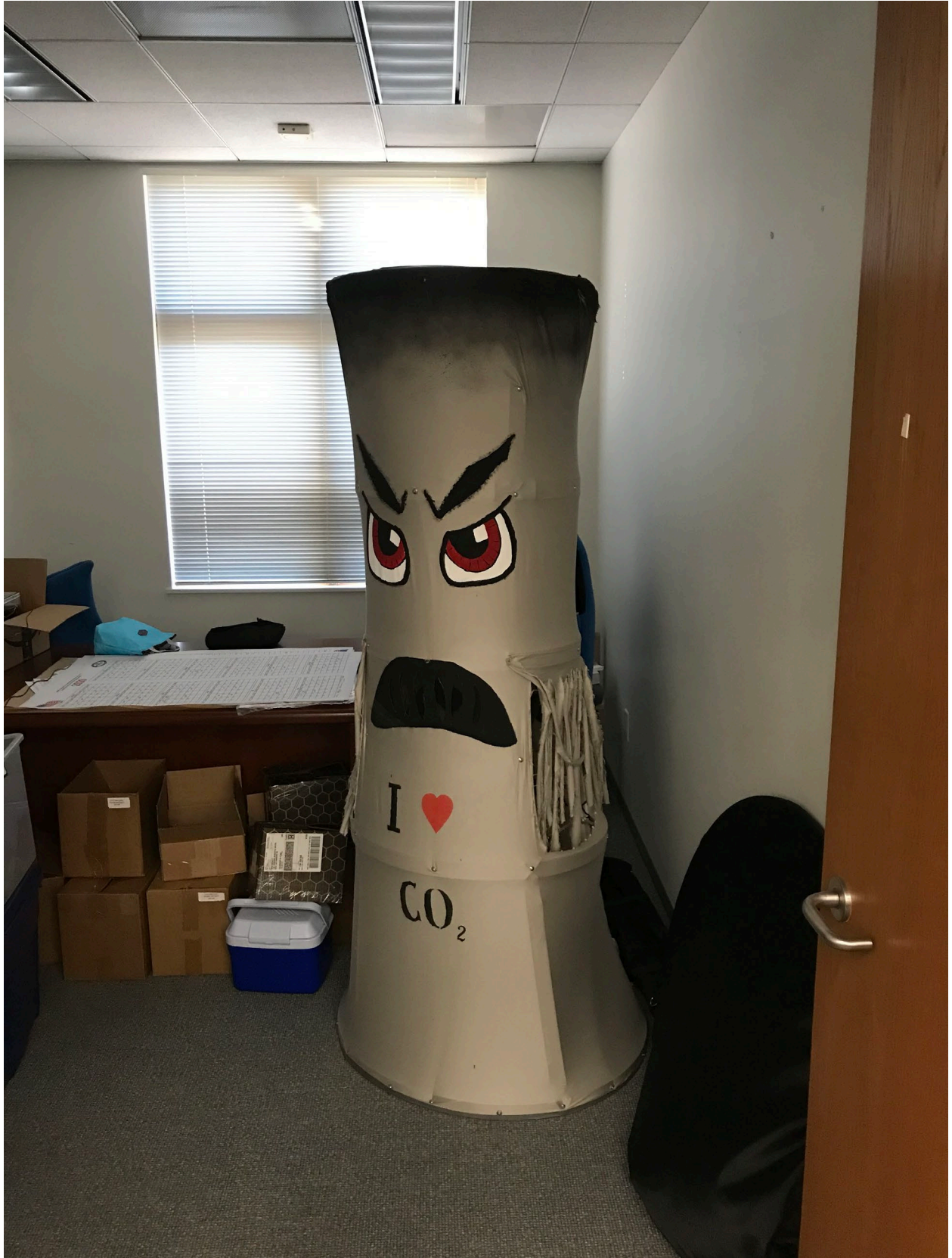
ATTACHMENT A



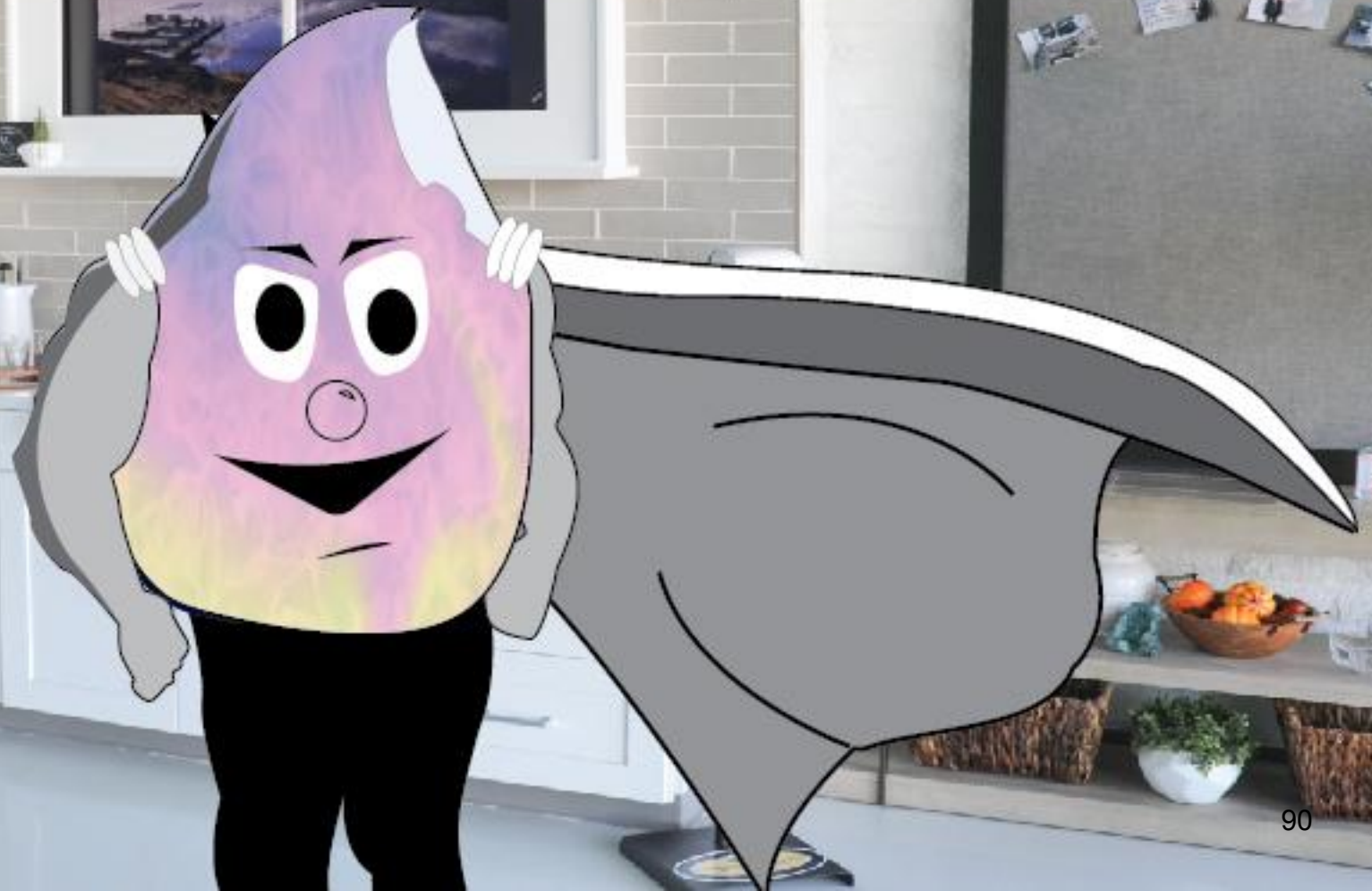
ATTACHMENT A







# SUPER DROOP



November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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**Subject : Rancho Solar Generation Project Phase II: Award of Construction Contract for Landscaping Improvements**

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**SUMMARY:**

The JPA Board approved the Rancho Solar Generation Project Phase II on November 15, 2018. The project is located adjacent to the existing, one-megawatt Phase I Solar Generation Facility in the North Canyon of the Rancho Las Virgenes Farm Sprayfields. The Phase II Project adds four megawatts of solar generation capacity for a total of five megawatts. On March 27, 2020, an agreement was administratively approved with Envicom Corporation, in the amount of \$16,360, for environmental services associated with the project. Change Order No. 1 for Envicom was approved by the JPA Board on July 6, 2020, and increased the total fee by \$32,288 for a total of \$48,648. On September 3, 2020, Envicom submitted a request for Change Order No. 2, in the amount of \$11,759.50, for additional services that stem in part from the discovery of an exceptionally intact and ancient prehistoric Native American hearth. Change Order No. 2, which is recommended for approval, will increase the total authorized amount for the professional services to \$60,407.50.

One component of work for Phase II Project consists of landscaping improvements along Las Virgenes Road to help screen the expanded solar facility from public view. The project includes grading and berm construction; installation of a new irrigation system; planting of shrubs and groundcover; and maintenance for a 90-day post-installation period. On September 15, 2020, the LVMWD Board, acting as Administering Agent for Las Virgenes-Triunfo Joint Powers Authority (JPA), authorized a Call for Bids for the Rancho Solar Field Facility Landscaping Project. The work was advertised for construction bids, and eight bids were received. Staff recommends award of a construction contract to lowest responsible bidder, Martinez Landscaping Company, Inc., in the amount of \$70,230.

**RECOMMENDATION(S):**

Award a construction contract to Martinez Landscaping Company, Inc., in the amount of \$70,230, and reject all remaining bids upon receipt of duly executed contract documents; and authorize the Administering Agent/General Manager to approve Change Order No. 2 for Envicom Corporation, in the amount of \$11,759.50, for additional environmental services for the Rancho Solar Generation Project Phase II.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

The total cost of the work is \$81,989.50. Sufficient funds are available in the adopted Fiscal Year 2020-21 JPA Budget. No additional appropriation is required. The approved Power Purchase Agreement with Borrego Solar provides for the JPA to be reimbursed for up to \$100,000 for the landscaping improvements.

**DISCUSSION:**

The JPA Board approved the Rancho Solar Generation Project Phase II on November 15, 2018. The project is located adjacent to the existing, one-megawatt Phase I solar facility in the North Canyon of the Rancho Las Virgenes Farm Sprayfields. The Phase II Project adds four megawatts of solar generation capacity for a total combined five megawatts. The Phase II project is expected to save JPA customers more than \$10 million over a 25-year period, while providing clean energy for water distribution and wastewater treatment. The reduction in greenhouse gas emissions by utilizing clean, renewable energy will amount to the equivalent of removing 1,200 cars from the road or planting 6,600 acres of trees.

Change Orders for Environmental Services:

On March 27, 2020, the Administering Agent/General Manager executed a professional services agreement with Envicom Corporation, in the amount of \$16,360, for environmental services associated with the project. Change Order No. 1 for Envicom was approved by the JPA Board on July 6, 2020, and increased the total fee in the amount of \$32,288, for a total of \$48,648.

On September 3, 2020, Envicom submitted a request for Change Order No. 2, in the amount of \$11,759.50, for the following additional services:

1. Additional archaeological and Native American monitoring required for trenching, construction of the electrical pads, center service road, and excavation of subsurface irrigation pipe elements.
2. Discovery and preservation of an exceptionally intact and ancient prehistoric Native American hearth and associated artifacts encountered during trenching (see attached report). Envicom's original proposal and scope assumed a negative findings report. The discovery triggered a more involved positive findings report and the need to process, analyze and curate additional artifacts and soil samples.
3. Response to a COVID-19 "stop work" order from the General Contractor due to a subcontractor staff member testing positive, while ensuring construction proceeded in compliance with conditions of approval.

Staff reviewed the change order request and recommends authorization to approve it.

Award of Construction Contract for Landscaping Improvements:

One component of work for the Phase II Project consists of landscaping improvements along Las Virgenes Road to help screen the expanded solar facility from public view. The design component for the landscaping improvements was recently completed by L. Newman Design Group. The project includes grading and berm construction; installation of a new irrigation system; planting of climate appropriate shrubs and groundcover; and maintenance for a 90-day post-installation period.

The project is being timed to closely follow completion of construction for the solar field and install the new landscaping before the end of the rainy season to allow the plantings to establish. The District performed public outreach to local residents and solicited their input on the proposed landscaping improvements. The landscaping work was identified as a mitigation measure in the environmental documentation for the Phase II Project. A mailer with information on the project was previously sent to surrounding residents. Another mailer will be sent to residents prior to the start of work on the landscaping improvements to highlight that the JPA is honoring its commitment. Attached for reference is a draft of the mailer.

A call for bids was advertised on September 16, 2020, and pre-bid job walks were conducted with 10 firms. Individual job walks were conducted as a precaution due to the COVID-19 pandemic. Eight bids were received, ranging in price from \$70,230 to \$321,590. Martinez Landscaping Company, Inc., submitted the lowest responsive bid, in the amount of \$70,230. All requirements specified in the call for bids were addressed in their proposal.

Following is a summary of the bids received:

<u>Bidder</u>	<u>Bid Price</u>
Pacific Tennis Courts, Inc.	\$ 287,782.00
Marina Landscape, Inc.	\$ 136,170.00
Urban Ecoscapes, Inc.	\$ 321,590.00
Terra Form, Inc.	\$ 123,830.00
Venco Western, Inc.	\$ 86,123.00
FS Contractors, Inc.	\$ 104,630.00
Martinez Landscape Co., Inc.	\$ 70,230.00
Brightview Landscape Services	\$ 157,086.54

After a thorough review of the bids, staff recommends awarding a construction contract to Martinez Landscaping Company, Inc., for the work. A formal Engineer's Estimate was not prepared during the design phase of work; however, a general estimate of \$85,000 was submitted by the designer based on the bid schedule and scope of work. The bid from Martinez Landscaping Company, Inc., is 17.4% below the estimate, representing a cost-savings to the JPA. While Martinez Landscaping has not done previous work for the JPA, staff reviewed their license, Department of Industrial Relations registration, references and previous projects. Based on this information, staff is confident that Martinez Landscaping can successfully perform the work.

Prepared by: Oliver Slosser, PE, Senior Engineer

**ATTACHMENTS:**

Request for Change Order No. 2

Report on Prehistoric Native American Hearth

Draft Community Mailer



September 3, 2020

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

Attn: Mr. John Zhao, Project Manager

Subj: **JPA Solar Bio and Cultural Monitoring Project - Phase II**  
(Second Change Order for PO#17758-OJ) (*Envicom Project # 49-004-101*)

Dear Mr. Zhao,

Thank you for relying on Envicom Corporation (Envicom) to provide archaeological and Native American monitoring for Phase II of the JPA Solar Generation Project (Phase II Project). Since preparation of our first change order dated June 9, 2020, the General Contractor for the Phase II Project has informed Envicom of additional changes affecting archaeological and Native American monitoring requirements. Because the need for monitoring is tied to the duration of construction, these changes resulted in additional tasks due to extension of the grading schedule, discovery of a prehistoric hearth and associated artifacts in July, and coordination with the General Contractor in response to the Covid-19 pandemic. In summary, these changes consist of:

1. Additional archaeological and Native American monitoring required for trenching the electrical pads, center service road, and the excavation of subsurface irrigation pipe elements and road prisms in July.
2. Discovery of an exceptionally intact and ancient prehistoric Native American hearth and associated artifacts encountered during trenching. Our proposal assumed a negative findings report, this discovery triggers a more involved positive findings report and the need to process, analyze, and curate additional artifacts and soil samples.
3. Responding to a Covid-19 “stop work” order from the General Contractor due to a sub-contractor staff testing positive while ensuring construction proceeds in compliance with conditions of approval.

As a result of these unforeseen changes, we respectfully request authorization to account for additional time and effort beyond our prior authorizations. The following is a more detailed description of the additional Scope of Work.



## **SCOPE OF WORK**

**Task 2 – Archaeological Monitoring (\$65.00 per hour rate) Cost: \$4,654.00**  
**Native American Monitoring (\$85.00 per hour rate)**

Mitigation Measure 1 (CUL-1) requires both a qualified archaeologist and Native American monitor during grading until older alluvial material is encountered. Beginning on July 28, 2020, an additional 31.5 hours of monitoring time accrued over five (5) monitoring days when archaeological and Native American monitoring was required due to project trenching taking longer than originally estimated and the necessary monitoring of out-of-scope valve extraction tasks. In the interest of ensuring the project proceeds in compliance with conditions of approval, Envicom provided an archaeological monitor for an hourly rate of \$65.00 per hour, and a Native American monitor for an hourly rate of \$85.00 per hour. Our original March 25, 2020, proposal budgeted for 10 days (80 hours) of archaeological and 10 days (80 hours) of Native American monitoring. Our first change order dated June 9, 2020, budgeted for an additional 18.5 days of additional archaeological and Native American monitoring. For reference, a summary of the monitoring log is attached describing the nature of the work activity monitored for compliance with mitigation requirements.

**Task 3 – Positive Findings Cultural Resource Report Cost: \$3,747.50**

Due to the discovery of an exceptionally intact and ancient prehistoric Native American hearth feature and associated artifacts subsequent to the submittal of the first change order, the proposed negative findings report will now follow a positive findings report format. Such reports have additional background context sections, and have much more narrative and photography, which describes the findings from monitoring. This task is in addition to the completion of a Department of Parks and Natural Resources site form for the material previously discovered, which is already budgeted under the first change order. Additional tasks cover the need to process, analyze, and curate additional artifacts and soil samples, and the completion of three carbon-14 (C-14) tests on the charcoal recovered from the hearth.

**Task 4 – COVID-19 Project Management Response Cost: \$2,600.00**

Project management covers costs related to coordination with the JPA and General Contractor to make informed and safe staffing decisions in response to the Covid-19 “stop work” incident. As the duration of ground-disturbing activities has exceeded initial estimates, ongoing project management consists of synchronizing the timing of monitoring to coincide with ground disturbing activities that require it to limit costs.

**Direct Costs Cost: \$758.00**

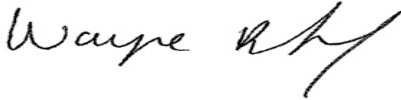
Direct costs to be incurred in performance of our scope of work include, but would not be limited to, materials and supplies, equipment usage, mileage, copying and communications charges. Direct costs have been estimated, and will be billed in accordance with our 2020 Envicom Corporation Professional Fee Schedule.



**COST**

The total cost of this proposed scope of work is **\$11,759.50**. Our budget includes labor and direct costs billed on a time and materials basis, using our January 1, 2020 Envicom Corporation Professional Fee Schedule. To initiate work, please sign below and return to our office. We appreciate the opportunity to provide you with our services. Please do not hesitate to call with any questions.

Sincerely,



Wayne Bischoff, Ph.D.  
Director of Cultural Resources

\_\_\_\_\_  
Authorization to Proceed

\_\_\_\_\_  
Date

**Attachment:**

2020 Envicom Corporation Professional Fee Schedule  
JPA Solar Phase II Construction Monitoring Summary of Monitoring Log



**PROFESSIONAL FEE SCHEDULE**  
**January 1, 2020**

Envicom Professional Fee Schedule applies to the following services:

- **Environmental Analysis (CEQA/NEPA)**
- **Biological Resource Studies**
- **Cultural Resource Studies**
- **Permitting and Entitlement**
- **Cartographic Services/Graphic Design**
- **Land Planning**
- **Compliance Monitoring and Reporting**
- **Habitat Restoration Plans**
- **Tree Reports**
- **GIS/GPS Mapping**

**PERSONNEL**

Principal	\$215.00
Director	\$140.00-200.00
Senior Project Manager/Associate	\$130.00-\$170.00
Senior Biologist	\$125.00-150.00
Project Manager	\$110.00-\$125.00
Associate Project Manager	\$100.00-\$110.00
Environmental Analyst/Planner	\$85.00-\$110.00
Staff Biologist	\$85.00-\$115.00
Restoration Ecologist/Arborist	\$105.00
GIS/Mapping	\$100.00-\$125.00
Cultural Resource Field Technician/Monitor	\$65.00-\$85.00
Project Assistant/Production Specialist	\$65.00-\$70.00
Intern	\$55.00

Expert Witness testimony: One and one half times above listed rates (including depositions).

**PROJECT-RELATED EXPENSES**

A **communication fee** of three percent (3%) of total labor billings will be charged for in-house costs for phone, fax, e-mail, postage, personal computer use, interim working copy reproductions and records maintenance/retention. **Travel expenses** (hotels, meals, rental vehicles, etc.) are charged at cost plus ten percent (10%). Per Diem charge for subsistence may be negotiated in lieu of actual direct expenses for hotels/meals. **Printing/Reproduction** rates for black and white copies will be charged at \$0.15 per page and in-house color copies at \$1.00 per 8.5x11 and \$1.50 per 11x17 copy. Oversized copies and plots will be as quoted. **Personal vehicle** use will be at the current IRS rate per mile. **Out of pocket direct expenses** identifiable to an assignment will be charged at cost plus ten percent (10%). **Subcontractors and sub-consultants** services billed at cost plus 10 percent (10%).

**EQUIPMENT RATES**

Envicom Corporation charges for consumable field materials and specialized equipment.

General Field Consumables (Stakes, Flagging, Plant and Tree Tags)	Cost + 10%
GPS	\$75.00/day
4 x 4 Trucks	\$25.00/hour



JPA Solar Phase II Construction Monitoring  
Summary of Monitoring Log

**Archaeologist Monitor Dates:**

Day	Date	Summary
1	4/29/2020	Excavated 8-10 feet around water pipes.
2	5/6/2020	Spot Check: grading the road at the front of the site.
3	5/19/2020	Drilling 15-20 holes to located the pipes throughout the site.
4	6/30/2020	Excavation of two pads, one the north side and the other on the south side.
5	6/4/2020	Finished the southwest pad. Trenched east end, 38 inched down and about 220 feet long. Cultural Materials found: Projectile Point
6	6/8/2020	Trenching the west, 48 inched deep. Cultural Materials found: Chert Flake
7	6/9/2020	Trenching the west, 4 feet deep and 4 feet wide. Break for about 20 feet. Trenching continued for 42 inched down and 3 feet wide. Cultural Materials found: Chert Flake and a rock with dotted pattern.
8	6/10/2020	Trenching for about 100 feet with 3 feet down and 3 feet wide. Switched to a 2 feet bucket and trenched about 36-42 inches for 100 feet. Excavated 2 feet deep footing for the southwest pad. Cultural Materials found: Core
9	6/11/2020	The southwest pad was trenched 2 feet deep around the pad, then 2 cuts were made within the pad to connect to the trench. The middle pad was trenched from east to west going 4 feet down and on the north side going 2 feet down.
10	6/12/2020	Spot Check: no excavation
11	6/15/2020	Spot Check: no excavation
12	6/17/2020	Spot Check: no excavation
13	6/18/2020	Spot Check: no excavation
14	6/22/2020	Call Out: was called to site but no excavation occurred
15	6/24/2020	Spot Check: no excavation
16	6/30/2020	3 conduits, 2 feet wide by 4 feet deep, cut out of the middle pad with a ground ring around the pad at 2-2.5 feet deep. A low voltage trench, 2 feet wide and 4 feet deep heading east for 200 feet.
17	7/1/2020	Trench was 2-foot wide and 4 foot deep for 50 feet toward the middle pad. The trench was interrupted by a 5 foot wide and 5 foot deep cut.
18	7/6/2020	Call Out: was called to site but no excavation occurred
19	7/7/2020	6 foot by 8 foot cut going 4 feet down on the west end of the southwest pad. Monitors stayed on site the rest of the day because they were told that there might be excavation later.
20	7/8/2020	Excavation of a trench that connected two pads. A hearth was located and work was redirected 20 feet away from the hearth. Cultural Materials found: Hearth, Charcoal, rodent bones, and a flake.
21	7/9/2020	Cross road cut was made across the center road and the trenching to connected the two pads were finished. Wayne Bischoff recorded the hearth. Cultural Materials found: Hearth, Charcoal, rodent bones, flakes and a mano fragment.

22	7/20/20	A trench was made 4 foot long and 0.5 foot wide going 3-4 feet deep off the southern end of the solar panels to the north of the middle road. Cultural Materials found: possibly marine snail shell.
23	7/21/2020	Trenching 30 feet long by 0.5 foot wide going 3-4 feet deep between the solar arrays near the center pad.
24	7/27/2020	Trenching on the north side of the middle road, 2 feet wide by 3 feet deep going 270 feet from west to east across the northern side of the solar panels.
25	7/28/2020	Hand dug a 4 foot hole to find the water house then trenched from the hole to the main road, 2 feet wide and 4 feet deep. Hand dug another hole 20 feet from the first, went down 6 feet and gave up.
26	7/29/2020	Road cross parallel to the first one, 2 feet wide by 4 feet deep. Trenching 200 foot long by 2 feet wide by 3 feet deep, on the north side of the middle road.
27	7/30/2020	North side of the middle road trenches was finished, each being 64 feet long by 2 feet wide by 3 feet deep. Road crossing trenches, 2 feet wide by 3 feet deep on the eastern tip of each trench were connected to the conduit stations on the south side of the road.
28	7/31/2020	Trench 1 going 160 feet long, 8 inches wide and 3 feet deep, connecting a solar engine to the far east project boundary. Trench 2 going 35 feet long, 8 inches wide and 3 feet deep, connecting a solar engine to the trench that connects the two pads.
29	8/4/2020	Spot Check: no excavation
30	8/6/2020	Hand dug a hole 6 feet deep to find the live power lines.

#### **Native American Monitor Dates:**

<b>Day</b>	<b>Date</b>	<b>Summary</b>
1	4/27/2020	Excavation water main to expose water pipe.
2	4/28/2020	Excavation water pipe, 8 feet deep.
3	4/29/2020	Grading the service and center road.
4	5/1/2020	Removing dirt piles and grading.
5	6/3/2020	Excavation of pad one and pad two.
6	6/4/2020	Trenching for electrical, 200 feet long by 24 feet wide by 36 feet deep. Cultural Materials found: point.
7	6/5/2020	Trenching 150 feet long by 24 feet wide by 36 feet deep. Cultural Materials found: Monterey chert flake.
8	6/8/2020	Compacting Pad 1. Re-excavation of electrical Pad 2, 4 feet deep. Trenching 100 foot long by 48 inches wide by 48 inches deep. Cultural Materials found: chert flake.
9	6/9/2020	Trenching 200 feet long by 42 inches wide by 42 inches deep. Cultural Materials found: chert flake and core
10	6/10/2020	Trenching 100 foot long by 36 inches wide by 36 inches deep. Electrical Pad trench 30 feet long by 18 inches wide by 12 inches deep.
11	6/11/2020	Electrical Pad 2 trench 80 feet long by 12 inches wide by 36 inches deep. Electrical Pad 1 trench 30 feet long by 24 inches wide by 48 inches deep.
12	6/22/2020	Call Out: was called to site but no excavation occurred

13	6/30/2020	Electrical Pad 1 graded 30 feet long by 1 foot wide by 2 feet deep, conduit cut outs are 2 feet long by 2 feet wide by 4 feet deep. Electrical Pad 2 trench 200 feet long by 2 feet wide by 4 feet deep.
14	7/1/2020	Electrical Pad 2 trench 200 feet long by 2 feet wide by 4 feet deep.
15	7/6/2020	Call Out: was called to site but no excavation occurred
16	7/7/2020	Electrical Pad 2, concrete pad 5x9 and 4 feet deep. Trench 10 feet long by 2 feet wide by 4 feet deep.
17	7/8/2020	Backfill of Electrical Pad 1. Trenched 5 feet long by 6 inches wide by 30 inches deep. Cultural Materials found: Hearth, Charcoal, rodent bones, and a flake.
18	7/9/2020	Trenching 100 foot long by 2 feet wide by 4 feet deep. Compacted Electrical Pad 1. Service road trenching 100 foot long by 2 feet wide by 4 feet deep.
19	7/20/2020	Digging 52 laterals about 6 inches wide by 2 feet deep.
20	7/21/2020	Trenching between the solar panels, 100 foot long by 6 inches wide by 2 feet deep. Trenching the south west side of the center road, 30 feet long by 3 feet wide by 4 feet deep. Cultural Materials found: possibly marine snail shell.
21	7/27/2020	Trenching north east side, 270 feet long by 2 feet wide by 3 feet deep.
22	7/28/2020	Trenching Electrical Pad 2 across the service road to the water shed, 35 feet long by 2 feet deep by 3 feet deep. Trenching, 4 feet deep, to find the water pipe next to the water shed.
23	7/29/2020	Trenching Electrical Pad 2 across the service road to the water shed, 35 feet long by 2 feet deep by 3 feet deep. Center service road trenching, 200 feet long by 2 feet wide by 3 feet deep.
24	7/30/2020	: Center service road trenching, 31 feet long by 18 inches wide by 3 feet deep (6 of these trenches).
25	7/31/2020	Trenching 165 feet long by 8 inches wide by 3 feet deep. Trenching 33 feet long by 8 inches wide by 3 feet deep.
26	8/6/2020	Envicom awaiting invoice.

## 2.0 PREHISTORIC HEARTH FEATURE DISCOVERY

Archaeological monitoring of solar trenching activities on July 8, 2020, identified that the excavator had impacted a notable quantity of charcoal material at depth (**Figure 1**). Since the cultural resource monitor had not encountered charcoal in any previous excavation on site, the discovery was of concern. No prehistoric material was found in the area of the charcoal, and an original interpretation of a naturally-occurring fire was determined from the initial find, due to the lack of associated material, and excavation was allowed to continue.

Deeper excavation by the backhoe revealed that the charcoal earlier discovered was the uppermost material of a circular prehistoric hearth feature, which had been bisected by the trenching machine off-center (**Figure 2** and **Figure 3**). The charcoal initially found was originally from the top of the southern edge of the hearth feature within the backhoe trench, being located in the middle of the trench channel. The backhoe bucket cut depth was later determined to be roughly 125-centimeters below surface (a little over 4-feet). Later study showed that several larger charcoal concentrations were found around the perimeter of the hearth bowl, with the initial material being one of these clusters.

Since the 125-centimeter bottom of the backhoe trench appeared to be roughly in the midpoint depth of the hearth, the prehistoric feature was speculated to be of notable age for the region based on this depth, since the vast majority of prehistoric sites in the Calabasas region are normally shallow or near ground surface. Also, since most of the other prehistoric artifacts collected away from the hearth during monitoring had been found at similar depths across the project area, a local Native American occupation horizon was assumed that was producing the artifact and feature discoveries. Using the final hearth feature depth as a measure of this prehistoric occupation horizon, the horizon probably exists between 100 and 150-centimeters in depth below the surface across the local area. It very well may also be that such a depth is important for the other various alluvial-filled valleys along Las Virgenes Road in the Calabasas area; an observation that should be integrated into local planning.

The prehistoric hearth itself was originally observed to have a shallow bowl shape on top, with great depth of material below the bowl, suggesting episodic use of the fire pit feature and not single-use utilization. The soil consisted of internal layers and mixed patches and pockets of burned soil, charcoal, ash, and fire-affected pebbles and larger stones. Numerous burned rodent bones were also found within the hearth material, especially within the lower half of the feature. Due to the large number of such bones, and that they all showed some level of fire and heat-damage, it was interpreted that the rodents were being cooked for food, and were not secondary natural additions to the hearth feature (i.e. rodents dying in burrows), which would have been either unburned or showing a mix of unburned and burned bone elements.

It was decided to profile the hearth feature, since the backhoe bucket had already produced a near-perfect bisection of the feature face from north to south. During the profile process, the backfill material from the hearth feature and from the immediate local area were screened through a 1/8-inch mesh. Larger pieces of charcoal were collected, as well as all animal bones and lithic material. Because of the excavation methodology used by the backhoe, the monitoring team screening the excavated soils could identify which portions of dirt were associated with the hearth feature and the prehistoric occupation horizon. The soil coloration differences between the upper and lower material excavated was notable, with the prehistoric layer material being darker and less silty in texture (**Figure 4**).



*Figure 1: The initial discovery of charcoal and ashy soil during monitoring, which led to later examination and recordation of a prehistoric hearth feature.*



*Figure 2: The circular prehistoric hearth can be seen in the trench cut, which stopped at roughly 125-centimeters below surface with excavator activity (facing east).*



*Figure 3: The open terrain of Site Area CG, showing the volcanic rock outcrop (upper-left) that marks the southwest end of the site area (facing west)*



*Figure 4: The backhoe trench in the area of the hearth before cleaning, showing the darker color of the prehistoric horizon at the base of the trench walls (facing south).*



The lithic material collected from the hearth layer consisted of non-local chert blocky fragments, which appeared to be debitage from lithic reduction, and a single well-worn quartzite mano fragment. Due to the worn nature of the mano fragment use-face facet, it appeared that the original surface of the round hand tool had been expended through exceptional use, then the object had been subject to lithic reduction to produce different flake tools, discarding the mano fragment as “debitage,” or tool production waste material. Screening also produced a number of additional burned rodent bones. The discovery of these artifacts in associated context with the hearth layer confirmed the suspected prehistoric origin of the feature.

During study of the hearth feature wall profile, it was noticed that several small pockets of loose material were located in both walls of the backhoe trench above the main part of the hearth feature in the east profile (**Figure 5**). These small pockets consisted of loose sand, stones, a compacted silty-loam matrix material, and little actual hearth material, and were distinctly different than the surrounding later alluvial hard silt material, and from the hearth feature material. The location of all the pockets seemed to also be at the transition between the prehistoric hearth layers, and with later alluvial soil.

The northeast pocket appeared to also have a large charcoal piece – a remnant of a burned branch – just inside the hearth feature, and the older, deeper hearth material appeared to go under the pocket area, suggesting that it was incorporated into the feature, rather than a later rodent burrow or filled natural cavity. Following the path of the pocket material element showed that it originally extended across the backhoe cut and into the west wall at a point more to the south than that of the east pocket, but both being very close to the same depth below surface. The conclusion was that this pocket of material represented a formed added feature element, which probably acted as a shallow retaining border for the hearth feature. Most likely, the shallow berm element restricted the hearth material, forming a barrier against the hot materials escaping, much as a ring of stones is used for a modern campfire.

It is also likely, given the evidence of seasonal flooding in the backhoe cut profile, that the half-circle berm element on the north side of the hearth also acted like an erosion control “wattle,” protecting the hearth feature from shallow flooding of the valley central creek (**Figure 6**). The southern end of the hearth feature also had two openings, filled with similar sand, silt, and rock material, which formed a half-ring around the prehistoric hearth in that direction as well, but at a much later time period (**Figure 7**). Later mapping of the plan view of the hearth additionally identified an even older and more robust outer half-circle of compacted stones set in a harder compacted sand and silt matrix (**Figure 8**), circling the outside of the hearth feature on the north side. This older berm/wattle feature element circled the outside of the oldest extent of the hearth to the north and to the northwest, and probably also provided containment of the hot feature material – ash, heated stones, and burning wood – as well as a practical defense against modest flooding of the area.

The discovery of additional berm features supported the use of these half-ring elements as retaining features, since they mostly faced toward the north and where the suspected creek that traversed the middle of the wide, shallow valley was located. All of the berm features were of the same general width, being roughly 15-centimeters at the base, mounding up to a half-dome shape that tended to lean inward toward the fire pit element of the feature, supporting a shallow bowl shape. Later photo analysis showed that additional hard silt rings were also found intermixed at different heights with the berm features described above, which probably also acted as containment and “wattle” elements around the central hearth feature, but at different time periods.



*Figure 5: The northeast pocket, filled with stones and sand in a compacted silt matrix, with the main hearth feature located below and to the lower-right in the photo (note the charcoal next to the pocket, still within the hearth chamber) (facing northeast).*



*Figure 6: The two pockets in the trench walls mark the location of berm/wattles of soil around the original hearth area (lower-right) (a much older berm/wattle can be seen on the floor around the older hearth stain too) (facing north).*



*Figure 7: The two berm/wattle openings on the southern side of the hearth area, which were located at a higher elevation on the trench walls than are those on the north side. An additional element may also be represented in the southeast wall profile (right of center) (facing north).*



*Figure 8: The two pockets mark the location of berm/wattles of soil around the original hearth area (lower-right) (a much older berm/wattle can be seen on the floor around the older hearth stain too) (facing south).*

The picture being formed from the photographed and mapped evidence was of a series of prehistoric hearth features, each with a central circular fire pit element, which was surrounded by an added half-circular berm element that contained the central fire and guarded against limited flooding of the nearby creek. The later pit features were always placed over, but not always in the same location, as the older feature iterations, as were the berm elements. Profile and plan analysis identified at least three major feature construction events, with lesser events between. However, the depth of the fire pit material, which was at least 70 to 80-centimeters (2.3 to 2.6-feet) in depth, suggests that even more iterations may have been present that are just not represented in the backhoe trench profile. This conclusion is supported by a suspected additional berm/wattle element in the southeast wall (see Figure 8), which is located at a different height, and by the two northern elements, which also appear to be at slightly different heights. Most likely, a series of short rings were added periodically around the fire pit, either in the direction of the flooding threat, or in response to random filling of the fire pit feature with waste material.

As mentioned above, the side profile of the backhoe trench above the hearth feature shows consistent seasonal silt and light weight material that represented low-energy flooding deposition, which did not have much difference between events, suggesting a lack of yearly variation (**Figure 9**). Most likely, the project valley periodically experienced shallow and slow flooding, which allowed silt to gradually accumulate cross the landscape. No evidence of more rapid, high-energy flooding events is observed in the profile, which would have left layers of heavier materials, such as sand or gravel in the profile. The seasonal creek channel is shown on both the 1952 USGS Calabasas Map and the 1976 USGS aerial map as flowing through the middle of the project area (**Figure 10** and **Figure 11**).

This seasonal creek was probably only watered through the rainy season, and possibly more consistently in exceptionally rainy years. Due to the high amounts of silt and silty-clay soil observed in profile above the hearth, the entire project area was probably frequently flooded, but by a shallow and slow overflowing of the creek channel. Based on the historic maps, the prehistoric hearth feature was once located on the south side of the seasonal creek that bisected the middle of the shallow valley.

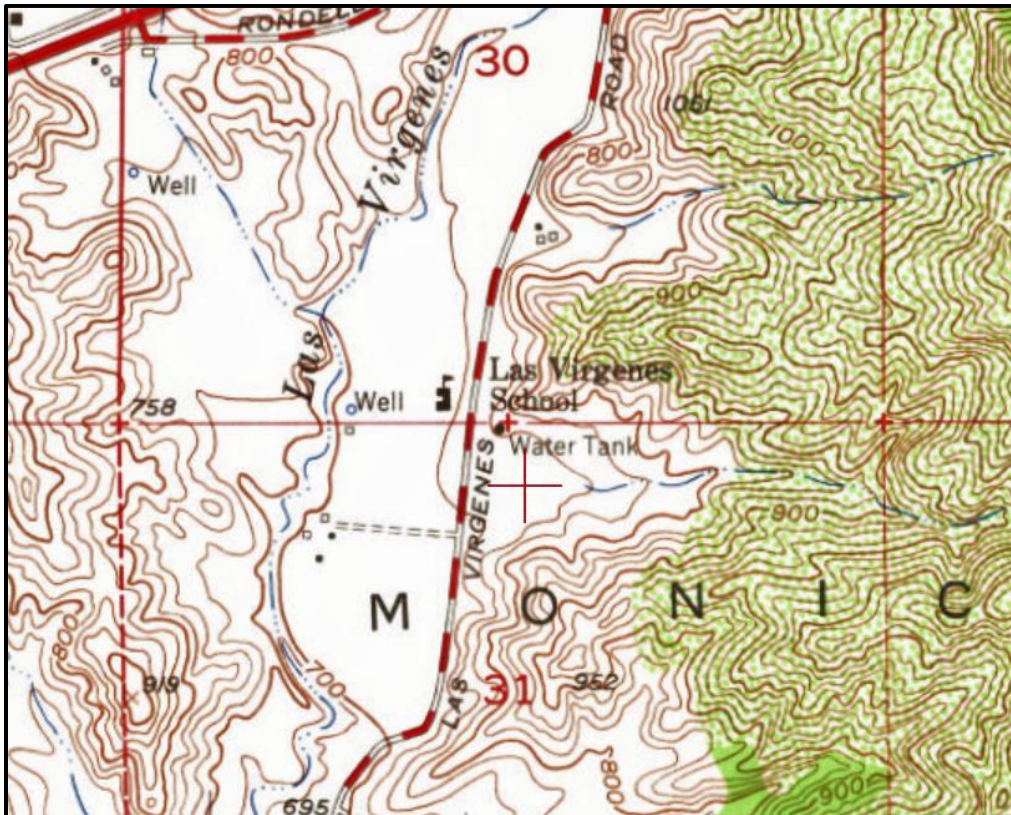
The shallow berms around the hearth feature, therefore, were probably adequate to protect the prehistoric hearth feature location from the frequent yearly flooding when the feature was not in use. Most likely, the large modern rubble and earth dams located at the eastern end of the project valley were also constructed to control the frequent flooding of the valley, by containing all the flood waters behind a more substantial structure within a flood control basin (**Figure 12**). This containment probably freed up more of the valley for historical agricultural use, and controlled against flood damage of farm equipment or infrastructure.

Finally, it was noticed that a living floor extended to the south (upslope) from the hearth feature location, based on the compacted soil, ash and charcoal distribution, and the discovery of a single marine shell within this layer of material (**Figure 13**). The living floor with its light embedded midden material, was chased out at least two-meters (6-feet) from the edge of the hearth feature toward the south, and appeared to continue onward in that direction. A similar living floor was not found on the north side of the hearth feature.

Most likely, this living floor was the habitation area associated with the hearth feature, with the entire occupation site facing the creek channel to the north. The shallow terraces on both sides of the creek channel may have been used for similar temporary settlement areas, with the possibility of additional prehistoric hearths or other features being found throughout the valley area. This model would explain the wide distribution of prehistoric artifacts within the project area; supporting a dispersed and low-population occupation of the valley on either side of the creek channel.



*Figure 9: The east profile shows the consistent low-energy silt buildup over time, without any layers of fast-energy flooding events (with the hearth feature at the bottom of the photo) (facing east).*



*Figure 10: The 1952 Calabasas USGS Map, showing the project valley (red cross), with a seasonal creek through the middle (oriented north).*



*Figure 11: The 1976 USGS Aerial map, showing the project valley, again with a seasonal creek channel through the middle (originated north).*



*Figure 12: The modern flood control channels and basin, located at the head of the valley, which was added to control yearly flood events (originated north).*



*Figure 12: A compacted living floor was found to the south away from the central hearth (upper-center), which contained compacted soil, dispersed ash and charcoal, and a single marine shell fragment (originated north).*



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



Dear Valued Customer:

Las Virgenes – Triunfo Joint Powers Authority (JPA) is proud to announce the final phase of our Solar Generation Project – an initiative that is projected to save customers more than \$10 million.

In April 2020, the JPA furthered our commitment to sustainability with Phase II of the Solar Generation Project. Phase II adds an additional four megawatts of solar generation capacity for a total combined five megawatts. The project is expected to save JPA customers \$10.3 million over a 25-year period, while providing clean energy for water distribution and wastewater treatment. The reduction of greenhouse gas emissions by utilizing clean, renewable energy will amount to the equivalent of removing 1,200 cars from the road or planting 6,600 acres of trees.

Now, following up on our commitment to our customers, LVMWD will begin landscaping at the new facility in December 2020 to provide new trees and bushes that will further shield the facility from public view and help maintain the aesthetic of the area. The landscaping will be the final phase of construction and includes grading, new berms, new plantings, and irrigation for the facility.

As with most of our projects, the plants being used are drought tolerant and irrigation will only be needed to establish the new plantings.

For questions or concerns regarding this project, you may reach the District's senior engineer, Oliver Slosser, PE at (818) 585-7123 or [oslosser@lvmwd.com](mailto:oslosser@lvmwd.com).

The JPA thanks our customers for your continued support as we implement environmentally sound and cost-saving infrastructure throughout our service area.

Sincerely,

A handwritten signature in black ink, appearing to read "Oliver Slosser".

Oliver Slosser, PE  
Senior Engineer  
Las Virgenes Municipal Water District

**Jay Lewitt**  
Chair, Las Virgenes-Triunfo  
Joint Powers Authority  
President, Las Virgenes Municipal Water District  
Board of Directors

**James Wall**  
Vice Chair, Las Virgenes-Triunfo  
Joint Powers Authority  
Chair, Triunfo Water & Sanitation District  
Board of Directors



November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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**Subject : Farm Sprayfield Operation and Maintenance: Authorization of Agreement**

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**SUMMARY:**

The Rancho Las Virgenes Farm Sprayfields have been operated and maintained by W. Litten Land Preparation for over two decades. Consistent with the JPA's Purchasing Policy, a Request for Proposals (RFP) was issued for the work on December 9, 2019, to ensure that the JPA continues to receive competitive rates for the service. A single proposal for the work was received from W. Litten Land Preparation. The fee proposal submitted was much higher than anticipated due to a relatively recent determination that the work constitutes a public works project and, therefore, is subject to prevailing wage laws.

Staff worked with JPA Legal Counsel and representatives of the California Department of Industrial Relations (DIR) to seek clarification on the disposition of work performed at the sprayfields because agricultural work is largely exempt from prevailing wage requirements. To allow sufficient time for the discussions with DIR representatives, the JPA Board authorized two contract extensions with W. Litten Land Preparation, which supported temporary continuation of the services in accordance with the current contract terms. On February 25, 2020, staff sent the attached request to DIR for a special wage determination for agricultural services at the sprayfields. On July 14, 2020, staff received a final determination from DIR (copy attached), denying the JPA's request for a special wage determination and opining that the work falls within the scope of existing prevailing wage job classifications.

As a result of the DIR determination, staff re-issued the RFP on September 10, 2020. One proposal was received from W. Litten Land Preparation, in the amount of \$384,900. For the past 11 years, Litten has provided the service to the JPA for \$250,000 annually. The additional cost stems from increases to salaries, benefits and administrative expenses to comply with prevailing wage requirements. The new agreement will ensure that the JPA is compliant with the latest applicable state labor laws. During this contract terms, staff will work with Litton to minimize expenses, while maintaining the existing level of service for the Rancho Las Virgenes Farm Sprayfields.

**RECOMMENDATION(S):**

Authorize the Administering Agent/General Manager to execute a one-year agreement with W. Litten Land Preparation, in an amount not-to-exceed \$384,900, for 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 \$384,900. The adopted Fiscal Year 2020-21 JPA Budget includes \$270,000 for the work. However, no additional appropriation is required at this time due to anticipated operational cost-savings in other areas.

**DISCUSSION:**

Litten provides effluent disposal services for recycled water at the Rancho Las Virgenes Farm Sprayfields as required by the NPDES Permit for the Tapia Water Reclamation Facility. The services 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 expertise and familiarity with agricultural operations. The Rancho Las Virgenes Farm is not proximate to other areas with active agricultural operations, which are more common in Oxnard and Camarillo. As a result, the number of prospective contractors is limited by experience, expertise and willingness to travel to the area. Additionally, agricultural work is largely exempt from prevailing wage regulations with the exception of providing minimum wage, breaks, restroom facilities and other basic human resources. As such, most agricultural contractors choose not to pursue prevailing wage jobs due to the increase in regulatory requirements and the associated costs. The Litten family has been performing work at the Rancho Las Virgenes Farm for over 20 years and has extensive familiarity with the facility and its operational needs. The JPA has historically had a difficult time attracting other contractors and has generally not been satisfied with the performance of other contractors that have been hired to perform these services for brief periods.

Based on advice from JPA Legal Counsel, the work performed at the Rancho Las Virgenes Farm Sprayfields constitutes a public works project (see attached definition) that is subject to prevailing wage regulations. As a result, staff included prevailing wage requirements in both of the RFPs issued for the work. Based upon Litton's initial interpretation of the prevailing wage regulations and the job classification used to determine wages in the first proposal, the costs for the services were expected to double, from \$250,000 to \$500,000 annually.

On February 25, 2020, staff sent the a request to DIR for a special wage determination for agricultural services at the sprayfields. On July 14, 2020, staff received a final determination from DIR, denying the JPA's request for a special wage determination and opining that the work falls within the scope of existing prevailing wage job classifications. Based upon this determination, staff encouraged prospective contractors to review all available job

classifications listed in the final DIR determination. Additionally, staff narrowed the scope of work, reducing the number of active sprayfields that require operation and maintenance, due to the recent expansion of the solar generation facility. Together, these factors helped to reduce the fee proposal for the second RFP from \$500,000 to \$384,900.

Despite efforts to attract other contractors, the operation and maintenance of the sprayfields remains a very niche service. However, staff has been very satisfied with the work performed by Litten over the years. The long-term working relationship also allows for the achievement of operational efficiencies, and Litten has a long history of completing its services within budget. Staff proposes to continue working closely with Litten to minimize expenses, while maintaining the existing level of service.

Prepared by: Dave Roberts, Resource Conservation Manager

**ATTACHMENTS:**

JPA Request for Special Wage Determination

DIR Final Determination Denying Request

Definition of Public Works Project



Dedicated to Providing High-Quality Water Service in a Cost-Effective and Environmentally Sensitive Manner

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Director, Division 5

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**W. Keith Lemieux**

Counsel

HEADQUARTERS

4232 Las Virgenes Road

Calabasas, CA 91302

(818) 251-2100

Fax (818) 251-2109

WESTLAKE

FILTRATION PLANT

(818) 251-2370

Fax (818) 251-2379

TAPIA WATER

RECLAMATION FACILITY

(818) 251-2300

Fax (818) 251-2309

RANCHO LAS VIRGENES

COMPOSTING FACILITY

(818) 251-2340

Fax (818) 251-2349

www.LVMWD.com

MEMBER AGENCY OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

**Glen D. Peterson**

MWD Representative

February 25, 2020

Prevailing Wage Unit  
Department of Industrial Relations  
P.O. Box 420603  
San Francisco, CA 94142  
Via Fax: 415-703-4771

SUBJECT: Request of Special Wage Determination for Agricultural Services

Dear Research Manager,

The Las Virgenes Municipal Water District provides potable water, recycled water and sanitation (wastewater) services to a population of approximately 70,000 people on the western edge of Los Angeles County. Sanitation and recycled water services are provided through a Joint Powers Authority with the Triunfo Water and Sanitation District. As part of these services, the District currently operates one location requiring contracted farming services at the Rancho Las Virgenes Farm and Composting Facility.

In addition to composting solid waste from wastewater treatment, the Rancho Las Virgenes Farm and Composting Facility is used for seasonal disposal of excess recycled water. Farm operations at this facility are needed to allow for any seasonal or operational surplus of recycled water that cannot otherwise be released to the watershed or stored for future use, to be sprayed onto cultivated lands that provide for the active uptake of water and nutrients. Grass or mixed pasture crops are grown at an agronomic rate and harvested as needed. Agricultural irrigation systems are seasonally installed and dismantled to allow for crop harvest and field maintenance such as disking and mowing. Routine site maintenance is also performed as is typically associated with agricultural activities such as weed abatement, maintain drainage conveyance and erosion control, debris removal, gravel road maintenance and fence repair.

The District is requesting the Prevailing Wage Unit determine if these positions are considered agricultural positions and as such, subject to prevailing wage considerations for agricultural activities and/or set a special wage applicable to this ongoing operational activity. The Districts operations group has identified four positions and associated tasks below as needed to perform spray field and farming services at the Ranch Las Virgenes Farm and Composting Facility.

**Unskilled Farm Labor**

1. Perform routine activities associated with spray field and farming operations such as irrigation operation and maintenance, equipment repair, maintain drainage systems, weed abatement, and debris removal

**Skilled Farm Labor/operator**

1. Perform job functions of Unskilled Farm Labor
2. Occasionally operate tractors and farm equipment such as chain saws and weed eaters
3. Provide direction and oversight to Unskilled Farm Labor

**Farm Foreman/operator**

1. Perform functions of Skilled Farm Labor
2. Provide day to day supervision of farm labor and operations
3. Identify and prioritize needed activities and develop schedule for completion

**Farm Operations Manager**

1. Provide overall supervision of farm operations
2. Schedule employees and assure that needed tasks are being completed
3. Performs administrative duties and contract management responsibilities

Please feel free to contact me directly at (818) 251-2145 with any questions or if you require additional information.

Sincerely,

Dave Roberts  
Resource Conservation Manager  
Las Virgenes Municipal Water District



Urgent  Action Needed  Original will follow by mail  As You Requested  For Your Information

**DATE:** July 14, 2020

**TO:** Dave Roberts

**COMPANY/ORGANIZATION:** Las Virgenes Municipal Water District

**FROM:** Michael Morris, Research Data Analyst

**SUBJECT:** Request of Special Wage Determination for Agricultural Services

**MESSAGE**

This is in response to your letter to DIR dated February 25, 2020 regarding the prevailing wage rate(s) for work at the Rancho Las Virgenes Farm and Composting Facility in Los Angeles County. You described the work as “Agricultural irrigation systems are seasonally installed and dismantled to allow for crop harvest and field maintenance such as disking and mowing. Routine site maintenance (unskilled farm labor) is also performed as is typically associated with agricultural activities such as weed abatement, maintain drainage conveyance and erosion control, debris removal...” and that occasional work would also include fence repair and operating tractors. You also stated “Agricultural irrigation systems are seasonally installed and dismantled to allow for crop harvest and field maintenance.”

In our phone conversation on June 2, 2020 you stated that any tree work would be performed under a separate contract.

Pursuant to California Code of Regulations §16202, requests for special prevailing wage information must come from the awarding body and shall be submitted at least 45 days prior to the bid advertisement rate of the project for the craft(s), classification(s), or type of worker(s) not covered by a general determinations. The work described in your email is covered under the Director’s General Prevailing Wage Determinations so a special determination is would not be appropriate for this project.

The Office of the Director – Research Unit does not issue minimum rate of pay decisions in cases where more than one craft/classification published in the General Determinations can perform a specific type of work on a project where no request for a rate of pay decision has been made prior to or within 20 days of the commencement for bids on a project.

When there are multiple crafts/classifications published in the Director’s General Prevailing Wage Determinations at the time of a call for bids for a project that may perform a specific type of work and a minimum rate of pay decision was not requested or issued in accordance with the deadlines prescribed in Labor Code Section 1773.4, they may not be altered by a minimum rate of pay decision (*Sheet Metal Workers International Association, Local Union 104, v. John M. Rea (2007), 153 Cal.App.4th 1071, 63 Cal Rptr.3d 672*). As a result any information provided will be given in a strictly advisory role.

For the “unskilled farm labor” and field maintenance described in your email the scope of work for Landscape Maintenance Laborer may contain similar types of work.

For dismantling, assembling and installing temporary agricultural irrigation systems the scope of work for Laborer, Landscape/Irrigation Laborer/Tender and Plumber: Landscape/Irrigation Fitter/Tradesman may contain similar types of work.

For the operation of tractors as described in your email the scope of work for Landscape Operating Engineer may contain similar types of work.

For the repair of fences the scope of work for Carpenter, Fence Builder (Carpenter), Iron Worker and Laborer may contain similar types of work.

California prevailing wage determinations **do not** contain rates for supervisors, superintendents or managers. Prevailing wages are not required for them, unless they are actually performing covered work, such as a “working foreman.” In such cases, they must be paid at the *minimum*, the journeyman rate for the type of work they are performing. Even though the supervisor rates are not published in the general prevailing wage determinations, the worker is not precluded from being paid a wage rate above the minimum journeyman’s prevailing wage rate.

Please note that the scopes of work for the crafts/classifications listed above may not include all the tasks necessary to perform the types of work in question. As this is the case, the awarding body should refer to the general prevailing wage determinations for the closest craft(s)/classification(s).

If you have further questions regarding prevailing wage, please contact The Office of the Director – Research Unit at (415) 703-4774. You may also visit [www.dir.ca.gov/OPRL/DPreWageDetermination.htm](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) to obtain prevailing wage information.

## **DEFINITION OF PUBLIC WORKS PROJECTS**

Currently, the definition of “public works” includes, but is not limited to: construction, alteration, demolition, installation, or repair work done under contract and paid for in whole or in part out of public funds, and tree removal work done in the execution of any such work. (Labor Code § 1720.) “Public works” also include maintenance work, including routine, recurring, and usual work for the preservation of a publicly owned or operated facility, and landscape maintenance work. (Labor Code § 1771, 8 Cal Code Regs, §§ 16000, 16001(f).)



November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

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**Subject : Rancho Las Virgenes Composting Facility Centrifuge No. 2 Repairs:  
Award of Purchase Order**

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**SUMMARY:**

On September 16, 2020, Centrifuge No. 2 at the Rancho Las Virgenes Composting Facility failed. Maintenance staff evaluated the centrifuge and determined that the rotating assembly needed to be sent to a qualified facility for repairs. Staff requested quotes from CentriTEK and Alfa Laval to transport, inspect and recommend repairs for the rotating unit of Centrifuge No. 2. CentriTEK was the lowest bidder.

The rotating assembly of Centrifuge No. 2 was sent to CentriTEK's facility in Benicia, California on October 12, 2020. Upon completion of the inspection, CentriTEK determined the need for significant repairs to Centrifuge No. 2, including bowl repairs, tile replacement, bearing replacement and recoating. Attached for reference is a more detailed list of the recommended repairs and an inspection report with photos. Staff requests authorization to issue a purchase order to CentriTEK to perform the necessary repairs, in the amount of \$69,669.86.

**RECOMMENDATION(S):**

Accept the quotation from CentriTEK and authorize the Administering Agent/General Manager to issue a purchase order, in the amount of \$69,669.86, for repairs to Centrifuge No. 2 at the Rancho Las Virgenes Composting Facility.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

Sufficient funds are available in the adopted Fiscal Year 2020-21 JPA Budget for the work. No additional appropriation is required.

**DISCUSSION:**

On September 16, 2020, Centrifuge No. 2 failed and was no longer able to dewater biosolids to produce cake for the composting process at the Rancho Las Virgenes Composting Facility. Staff exhausted its in-house capabilities for repair and determined that the rotating unit needed a specialized inspection and repair to restore its proper operation and reliability. Staff received bids from CentriTEK and Alfa Laval for inspection of the facility and repair recommendations. CentriTEK was the lowest bidder.

The rotating assembly of Centrifuge No. 2 was sent to CentriTEK's facility in Benicia, California on October 12, 2020. CentriTEK completed a comprehensive inspection of the centrifuge and prepared a report summarizing the required repairs in the amount of \$69,669.86. Rancho has two centrifuges that dewater biosolids to produce cake for the composting process. While Centrifuge No. 2 is out of service for repairs, staff is continuing to operate the facility using Centrifuge No. 1. However, there is currently no redundancy in the event of a failure of Centrifuge No. 1. As a result, staff recommends proceeding with the repairs to Centrifuge No. 2 by CentriTEK. Once Centrifuge No. 2 is returned to service, staff would also recommend obtaining a proactive inspection of Centrifuge No. 1 to reduce the potential of a similar failure.

Prepared by: Shawn Triplett, Facilities Maintenance Supervisor

**ATTACHMENTS:**

CentriTEK Repair Quotation  
Centrifuge No. 2 Inspection Report

Chris Gatewood Industries, INC  
 3195 Park Road, Suite H  
 Benicia, CA 94510 US  
 sales@centritek.com  
 http://www.centritek.com



**ADDRESS**  
 Las Virgenes MWD  
 4232 Las Virgenes Road  
 Calabasas, CA 91302-1994

**SHIP TO**  
 Las Virgenes MWD  
 3700 Las Virgenes Road  
 Calabasas, CA 91302-1994

Estimate 2020-053

DATE 10/27/2020

EXPIRATION DATE 11/17/2020

**SHIP VIA**  
 4D Transport

DATE	ACTIVITY	QTY	RATE	AMOUNT
10/28/2020	<b>Shop Labor:Shop Service</b> DCI of Sharples PM 75,000. Dynamic Balance Bowl and Scroll, Replace Bearings and Seals, Repair Solids Discharge Saddles, Reassemble Rotating Assembly	1	24,500.00	24,500.00
10/28/2020	<b>Shop Labor:Shop Service</b> Weld Up and Repair - Internal Bowl Wear Strips on Bowl Liner, Replace and Fit New Tiles, Coat and Repair of Feed Accelerator and Refit. Refit all 8 Solids Discharge Nozzles Liners	1	6,500.00	6,500.00
10/28/2020	<b>Shop Labor:Shop Service</b> Planetary Gear - Disassemble Clean and Inspect. Replacement of bearings, seals and O-Rings Reassemble and Test	1	3,500.00	3,500.00
10/28/2020	<b>Parts:Parts</b> Planetary Gear - Bearings, Seals & Thrust Washers	1	8,500.00	8,500.00T
10/28/2020	<b>Parts:Parts</b> Bearings & Seals, Replacement Wear Saddle, Lubricants	1	12,000.00	12,000.00T
10/28/2020	<b>Parts:Parts</b> Belzona Wear Epoxy for Feed Accelerator Coating and Replacement of All Cake Discharge Liners	1	1,500.00	1,500.00T
10/28/2020	<b>Parts:Parts</b> 22 Flight Tiles	1	1,200.00	1,200.00T
10/28/2020	<b>Parts:Parts</b> Manufacture New - Tension Bar Nut - Shim Pack	1	1,500.00	1,500.00T

DATE	ACTIVITY	QTY	RATE	AMOUNT
10/28/2020	<b>Shipping:Shipping</b> Shipping return from CentriTEK and Return to Customer	1	3,900.00	3,900.00

Planetary gear inspection and service wasn't originally included. It is included in this estimate on lines 3 & 4. If customer would like service done, a full disassembly with inspection noting any additional items required.

SUBTOTAL	63,100.00
TAX	2,069.86
SHIPPING	4,500.00
<b>TOTAL</b>	<b>\$69,669.86</b>

Accepted By

Accepted Date

## DISASSEMBLE, CLEAN, & INSPECT

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

### Shawn Triplett

3700 Las Virgenes Road  
Calabasas, 913002-1994

office - (818) 251-2100

mobile - (818) 251-2250

### Las Virgenes MWD

3700 Las Virgenes Road  
Calabasas, 913002-1994

[Striplett@lvmwd.com](mailto:Striplett@lvmwd.com)

Mfr	Sharples
Model	PM75000
Service	DCI-RA
Serial #	92-PM75000B-72
Weir Info	#1
Nozzle Info	N/A



### Reason for service

Following field service inspection onsite and several items found as well as the time since the previous overhaul on this machine, the customer requested us to ship and receive the machine in our facility to go through and provide a complete DCI Report - (disassemble, clean and inspection).

## DISASSEMBLE, CLEAN, & INSPECT

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

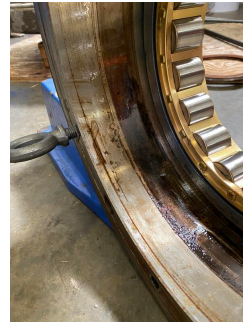
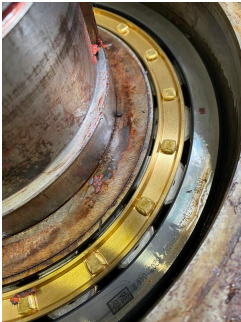
### Bowl : LE Headwall / Main Bearing

#### Condition

No repair needed

#### Notes

No damage was found other than small amounts of corrosion and light rust. No repairs needed. Replacement of bearing required, o-rings, bowl case seal and internal hub seal.



**DISASSEMBLE, CLEAN, & INSPECT**

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

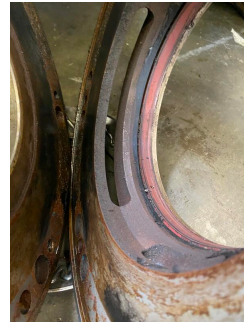
**Bowl : SE Headwall / Main Bearing**

**Condition**

No repair needed

**Notes**

No damage was found other than small amounts of corrosion and light rust. No repairs needed. Replacement of bearing required, o-rings, bowl case seal and internal hub seal.



**DISASSEMBLE, CLEAN, & INSPECT**

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

**Bowl : External Surfaces**

Condition

No repair needed

Notes

No external damage was found nor were any corrective actions needed. Clean and Polish





**DISASSEMBLE, CLEAN, & INSPECT**

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

**Bowl : Solids Discharge**

Condition

Moderate repair

Notes

One of the cake discharge liners was broken. The epoxy on the remaining ports bonding the port liners in place was not properly applied and the remaining ports were loose. We recommend replacing the damaged port and refitting the old ports with Belzona epoxy following proper surface preparation.



**DISASSEMBLE, CLEAN, & INSPECT**

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

**Bowl : Wear Strips / Grooves**

**Condition**

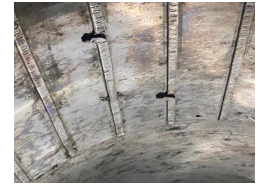
Non-repairable / Replace

**Notes**

Scroll tiles had partially fallen off and have cut radial grooves into the bowl extension 5-6 mm deep. Deeper grooving would warrant replacement of this component.

Bowl strip liner and grooves are in reasonable shape with exception to 2- 3 strips that were also damaged from tile failures.

Weld up damaged strips. No repairs on bowl at extension at this time.



**DISASSEMBLE, CLEAN, & INSPECT**

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

**Scroll : Flighting**

**Condition**

Moderate repair

**Notes**

Approximately 24 tiles have come unbonded from the backer plates and have both fallen off and caused significant deep grooving in the bowl extension. Complete retiling may be considered as many of the tiles have come unbonded.

Replace damaged / broken tiles.



## DISASSEMBLE, CLEAN, & INSPECT

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

### Scroll : Feed Chamber / Accelerator / Nozzles

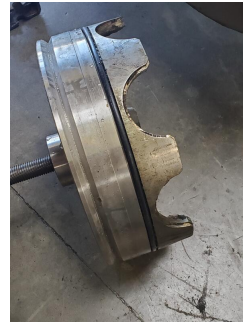
#### Condition

Moderate repair

#### Notes

Recommend to blast and coat the feed accelerator with Belzona epoxy to prevent wear and abrasion to the feed accelerator. Feed nozzles and wear discs are all in good condition.

Epoxy coating of accelerator and refit of the accelerator into the scroll



**DISASSEMBLE, CLEAN, & INSPECT**

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

**Scroll : LE Bearing**

**Condition**

Moderate repair

**Notes**

Front scroll bearing was found contaminated with water damage on the inner race of the bearing. Grease found discolored and rusty in color. Will replace bearing and seals. Scroll spline driven bushing was found rusty and we recommend blasting and coating with corrosive inhibiting paint.



## DISASSEMBLE, CLEAN, & INSPECT

Issued by CentriTEK - 3195 Park Road, Suite H, Benicia, CA 94510

### Scroll : SE Bearing

#### Condition

Minor repair

#### Notes

No failure found with rear end scroll bearing, though small grease was rust colored like the front end conveyor bearing. Main thrust bearing in the pulley is secured with the tension bar nut. Between the nut and the main thrust bearing, the shims which locate the scroll axially were found severley damaged and will need replacement.

Will replace all bearings and seals.



November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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**Subject : Cordillera Tank Rehabilitation Project: Construction Award**

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On October 20, 2020, the LVMWD Board, acting as Administering Agent of the JPA, awarded a construction contract to Cal Sierra Construction, Inc., in the amount of \$772,100, which is 32.2% below the Engineer's Estimate, for the Cordillera Tank Rehabilitation Project.

**SUMMARY:**

On August 3, 2020, the Las Virgenes-Triunfo Joint Powers Authority (JPA) authorized a Call for Bids for the Saddle Peak and Cordillera Tank Rehabilitation projects. The scopes of work for the renovation of the tanks generally consists of recoating the interior and exterior and updating or replacing any deteriorated equipment.

For this project, a bid schedule was created for each tank site to provide flexibility when awarding the project and to track costs separately for each site since one is owned by LVMWD and the other by the JPA. Staff evaluated seven bids and determined that awarding the tanks separately will provide a cost savings of \$131,600 compared to awarding them to a single firm. The lowest responsive bids were submitted by; Advanced Industrial Services, Inc. in the amount of \$994,500 for the Saddle Peak tank; and Cal Sierra Construction, Inc. in the amount of \$772,100 for the Cordillera tank.

The Las Virgenes-Triunfo Joint Powers Authority (JPA) approved funding for the Cordillera Tank Rehabilitation Project in the adopted Fiscal Year 2020-21 JPA Budget. On October 20, 2020, the LVMWD Board took action to award a construction contract to Advanced Industrial Services, Inc., in the amount of \$994,500, for the Saddle Peak Tank Rehabilitation Project; award a construction contract to Cal Sierra Construction, Inc., in the amount of \$772,100, for the Cordillera Tank Rehabilitation Project; and reject all remaining bids upon receipt of duly executed contract documents.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

Sufficient funds are available in the adopted Fiscal Year 2020-21 budget. No additional appropriations are needed at this time. Costs for design and construction are being tracked and allocated separately because Saddle Peak Tank is a LVMWD-owned facility and Cordillera Tank is a JPA-owned facility. The costs for Cordillera Tank is allocated 70.6% to LVMWD and 29.4% to Triunfo Water and Sanitation District.

**DISCUSSION:**

On August 3, 2020, the Las Virgenes-Triunfo Joint Powers Authority (JPA) Board authorized a Call for Bids for the Saddle Peak and Cordillera Tank Rehabilitation Project. The scope of work for the renovation of the two tanks generally consists of recoating the interior and exterior surfaces and updating or replacing any deteriorated equipment.

The project is part of a Tank Coating Master Plan, which was developed as an asset management tool to plan, budget and prioritize the rehabilitation of District- and JPA-owned water tanks based on multiple factors.

Staff held a mandatory pre-bid meeting on August 20, 2020, which was attended by 18 contractors. The bid schedules for the project were separated by the individual tank sites to provide the District and JPA with flexibility when awarding the project, as well as to keep expenses for the two tanks separated for tracking purposes. Seven responsive bids were received with Advanced Industrial Services, Inc., submitting the lowest responsive bid for Saddle Peak Tank at 26.8% below the Engineer’s Estimate of \$1,358,500; and Cal Sierra Construction, Inc., submitting the lowest responsive bid for Cordillera Tank at 32.2% below the Engineer’s Estimate of \$1,139,000. Upon reviewing the submitted bids, following up with each construction company and reaching out to references, staff recommends awarding construction contracts to Advanced Industrial Services for the Saddle Peak Tank and Cal Sierra Construction, Inc., for the Cordillera Tank. Awarding the contracts separately offers a cost-savings of \$131,600 as compared to awarding the work to a single contractor. The bid documents were prepared and issued in a manner that allows the contracts to be issued separately.

The following table summarizes the bid results:

Bidder	A.	B.	Bid Total	Percentage Below/Above Engineer’s Estimate	
	Saddle Peak Tank	Cordillera Tank		A	B
<b>Engineer’s Estimate</b>	<b>\$1,358,500</b>	<b>\$1,139,000</b>	<b>\$2,497,500</b>		
Advanced Industrial Svcs., Inc.	\$994,500	\$1,011,500	\$2,006,000	26.8% below	11.2% below
Cal Sierra Construction, Inc.	\$1,126,100	\$772,100	\$1,898,200	17.1% below	32.2% below
Utility Service Co., Inc.	\$1,451,300	\$1,282,800	\$2,734,100	6.8% above	12.6% above
Spiess Construction	\$1,206,900	\$1,118,650	\$2,325,550	11.2% below	17.9% below
Abhe & Svoboda, Inc.	\$1,854,618	\$1,965,649	\$3,820,267	36.5% above	72.6% above
GSE Construction Comp., Inc.	\$1,184,400	1,147,500	\$2,331,900	12.8 below	0.7% above



Paso Robles Tank, Inc.	\$1,138,720	\$1,010,280	\$2,149,000	16.2% below	11.3% below
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The following table summarizes the anticipated costs:

	Saddle Peak Tank	Cordillera Tank
	Cost	Cost
<b>Professional Services:</b>		
Design, Bidding, Construction Support	\$29,550.00	\$29,550.00
Coating Inspection Services	\$14,760.00	\$14,760.00
<b>Construction</b>		
Construction Award	\$994,500.00	\$772,100.00
Construction Contingency (10%)	\$99,450.00	\$77,210.00
<b>Administrative:</b>		
District Labor (4%)	\$39,780.00	\$30,884.00
G&A (7%)	\$69,615.00	\$54,047.00
<b>Total Project Cost</b>	<b>\$1,247,655.00</b>	<b>\$978,551</b>
Existing Appropriation	\$1,365,976.00	\$1,201,267.00

Coating Inspection Services:

A Request for Proposals (RFP) for coating inspection services was posted on LVMWD's website and sent directly to three qualified coating inspection companies. Generally, the scope of the coating inspection includes the following main tasks: (1) inspection of pre-surface preparation and post-surface preparation, (2) coating application inspection, and (3) post-application inspection services. Quotations were solicited based on full-time inspection services for the duration of the coating work for both tanks, which is projected to last eight weeks. Two proposals were received, while the third firm declined to submit a proposal.

Following is a summary of the proposals:

Coating Inspection Firm	Fee Proposal
West Coast Coating Consultants	\$38,000
CSI Services, Inc.	\$29,520
Harper & Associates Engineering, Inc.	Declined to quote

The purpose of a third-party coating inspector is to provide on-site quality control and quality assurance to ensure a maximum effective service life of the coatings applied to the tanks. CSI Services Inc. has worked with the District on numerous projects in the past and responded with the lowest cost for inspection services on the project. As a result, the General Manager administratively accepted the proposal from CSI Service, Inc., and executed a professional service agreement for the coating inspection services on September 25, 2020.

Prepared by: Veronica Hurtado, Assistant Engineer

**INFORMATION ONLY**

November 2, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

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**Subject : Management of Water Quality at the Las Virgenes Reservoir**

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The subject report on Management of Water Quality at the Las Virgenes Reservoir was provided to the LVMWD Board on October 6, 2020. Based on a suggestion by Director Lynda Lo-Hill, staff is also providing the report to the JPA Board as an information item given the future role of Las Virgenes Reservoir for the Pure Water Project Las Virgenes-Triunfo.

**SUMMARY:**

On August 8, 2020, Director Lynda Lo-Hill requested a future agenda item for information related to the management of water quality at Las Virgenes Reservoir. Given the role of Las Virgenes Reservoir for the Pure Water Project Las Virgenes-Triunfo and based on a suggestion by Director Lo-Hill, a similar information item is proposed for the JPA Board.

Las Virgenes Reservoir was constructed in 1972 and has a capacity of 9,600 acre-feet to provide an emergency supply of water to the region for up to six months. Water supplies stored in the reservoir also allow the District to reduce peak demands, and the associated charges, on Metropolitan Water District of Southern California (MWD). Currently, imported water from MWD is purchased to replenish the stored water that is used every year. The District has numerous water quality monitoring and management programs to maintain and safeguard the quality of water in the reservoir.

Following is a summary of the major programs:

1. Daily monitoring and recording of environmental conditions, such as air and water temperatures, rainfall, wind speed and water elevations;
2. Weekly and monthly sampling and monitoring of water quality data such as coliform, turbidity, dissolved oxygen and water temperatures at 5-foot intervals;
3. Continuous aeration of the reservoir;
4. Periodic study and survey of invasive species such as quagga mussels and screw snails (*Melanoides tuberculata*);
5. Sanitary survey of the tributary areas surrounding Las Virgenes Reservoir every five years; and
6. Monitoring and control of algal blooms, when needed.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

No

**DISCUSSION:**

1. Daily Monitoring and Recording of Environmental Conditions:

Daily recording of environmental conditions such as rainfall amounts, ambient temperatures and weather conditions provide background information for reservoir water quality management. Rainfall information provides estimated runoff from the tributary area surrounding the reservoir. Large amounts of runoff can wash organic materials into the reservoir. With persistent daily high temperatures and ample sunshine, the combined environmental conditions can also present a high risk of algal blooms in the reservoir.

2. Weekly and Monthly Sampling and Monitoring of Water Quality Data:

Tapia's environmental lab provides weekly (when the Westlake Filtration Plant is online) and monthly (when the plant is offline) reservoir water quality sampling and lab analyses for dissolved oxygen (DO), turbidity and coliform. Staff also collects a temperature profile of the reservoir's water column at 5-foot intervals. In addition, staff uses a Secchi disk to measure the clarity of the water by depth to serve as an indication of the amount of algae growth. These parameters and their associated trends provide a good summary of the waterbody's overall physical health.

During warmer summer months, environmental conditions can reduce DO in the water near the bottom sediments. A lack of rainfall with stagnant water, increased algae growth, deterioration of organic matter as the water warms up and low wind conditions, can all contribute to depletion of DO levels. If reservoir water becomes stratified as a function of temperature, the bottom layer of water can become very low in DO. This leads to the development of anaerobic conditions in the deeper portions of the reservoir adjacent to bottom sediments. Under these conditions, iron and manganese are converted from oxide forms that are insoluble through bacterial action to ionic forms, which are very soluble and can leach out of the sediments. High concentrations of iron and manganese can cause significant color and staining problems. The conditions can also impair the use of the water because the metals precipitate upon re-aeration during the water treatment process and clog the diatomaceous earth filters at the Westlake Filtration Plant.

3. Continuous Aeration of the Reservoir:

To prevent the development of anaerobic conditions in the deeper portions of the water body through stratification as a function of temperature and prevent leaching of iron and manganese into the water body, continuous aeration around the intake structure provides the necessary oxygen to increase the DO levels and precipitate any dissolved iron and manganese before the treatment process at the Westlake Filtration Plant.

4. Periodic Study and Survey of Invasive Species

In 2011, during the heightened state of quagga mussels threat for the water industry, staff noticed the presence of 1.5-inch-long snails in the reservoir. Staff biologist, Veronica Hurtado, identified them as screw snails (*Melanoides tuberculata*), which are an invasive species. Fortunately, the screw snails are limited by water depth and temperature and are not affecting public health or negatively impacting the District's water treatment equipment.

#### 5. Sanitary Survey of the Tributary Areas to the Las Virgenes Reservoir:

The SWRCB Division of Drinking Water requires a sanitary survey of tributary areas surrounding the reservoir once every five years. The objective of the survey or inspection is to identify and mitigate all issues that could negatively impact the water quality in the reservoir, such as the remains of dead animals, illegal camp sites or illegal dumping that could be the source of pollution. Weekly and monthly coliform sampling is another way to discover any sanitary or bacteria issues in the water body.

#### 6. Monitoring and Control of Algal Blooms:

Algae growth in the reservoir is a function of nutrients, minerals, the temperature of the water and the amount of sunlight that penetrates the water column. Every year, there are various degrees of algal growth in the reservoir. The algae, if not controlled, can produce taste and odor issues that remain even after the water treatment process. Algae can also quickly clog the diatomaceous filters and significantly shorten filter runs. Fortunately, the optimal natural conditions for algal growth during the water summer months usually last for only a few weeks. The algae largely disappears once temperatures decrease or when there is less sunshine towards late summer. Occasionally, staff has apply copper sulfate to the reservoir to control algal growth and support the operation of the Westlake Filtration Plant during an algal bloom.

#### Future Considerations:

The monitoring programs will need to be reviewed and adjusted in the future when purified water from the Pure Water Project Las Virgenes-Triunfo is introduced into Las Virgenes Reservoir. The general expectation is that the superior quality of purified water will support an overall improvement to water quality in the reservoir. The purified water will have approximately half the level of total dissolved solids (TDS) as compared to MWD supplies and will contain almost no nutrients. The installation of an enhanced mixing system would further improve the reservoir water quality by reducing stagnation, increasing dissolved oxygen levels and preventing stratification of the water body.

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