

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

4232 Las Virgenes Road, Calabasas, CA 91302

October 5, 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. In addition, members of the public can submit comments electronically for consideration by sending them to 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 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 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.

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 September 8, 2020 (Pg. 5)

Approve.

B Pure Water Demonstration Project: Final Acceptance (Pg. 13)

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 (Pg. 20)

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 (Pg. 24)

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

5 ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Pure Water Project Las Virgenes-Triunfo: Update

B State and Federal Legislative Update (Pg. 28)

6 ACTION ITEMS

A Pure Water Demonstration Facility: Operational Support (Pg. 89)

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.

B Multi-Site Battery Energy Storage System Project: Request for Proposals (Pg. 101)

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 issuance of a Request for Proposals for the Multi-Site Battery Energy Storage System Project.

C Tapia Sodium Hypochlorite Tank and Piping Replacement Project: Construction Award (Pg. 108)

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.

7 BOARD COMMENTS

8 ADMINISTERING AGENT/GENERAL MANAGER REPORT

9 FUTURE AGENDA ITEMS

10 INFORMATION ITEMS

A Pure Water Project Las Virgenes-Triunfo: Role of Las Virgenes Reservoir (Pg. 111)

11 PUBLIC COMMENTS

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall

be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

12 CLOSED SESSION

13 ADJOURNMENT

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

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

5:00 PM

September 8, 2020

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to the Flag was led by Ray Tjulander.

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 Tjulander. Motion carried unanimously.

3. PUBLIC COMMENTS

None.

4. CONSENT CALENDAR**A Minutes: Regular Meeting of August 3, 2020: Approve**

Director Caspary moved to approve the Consent Calendar. Motion seconded by Director Orkney. Motion carried unanimously.

5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Pure Water Project Las Virgenes-Triunfo: Update

Joe McDermott, Director of Engineering and External Affairs, reported that staff was preparing for the Pure Water Demonstration Facility ribbon-cutting ceremony scheduled on September 11th. He noted that the ceremony would be a quasi-virtual/web-based event, and in-person attendance would include Senator Henry Stern as the keynote speaker as well as JPA Chair Jay Lewitt, JPA Vice Chair James Wall, and Administering Agent/General Manager David Pedersen. He also noted that the ceremony would include virtual participation by local mayors, Oak Park Municipal Advisory Council Chair Seema Chandra, a recorded statement from Congresswomen Julia Brownley, and a moment of silence in recognition of 9/11. He stated that a pre-recorded tour, unveiling of the mural, and orientation video would be included, as well as a tasting of the purified water by people present at the live ceremony. He noted that commemorative glasses with the Pure Water Project Las Virgenes-Triunfo logo would be available to the JPA Board and invited guests upon request. He also stated that tours for the public would begin in early October, while being mindful of COVID-19 social distancing guidelines.

B State and Federal Legislative Update

Lowry Crook, lobbyist representing Best Best & Krieger LLP (BBK), presented the federal legislative update and noted that the Senate would be in session until October 9th and the House would be in session until October 2nd. He also noted that last month the House passed 10 appropriations bills for Fiscal Year 2021; however, the Senate remained stalled and no actions were expected until after Election Day. He also noted that Congress was working on passing a continuing resolution to fund the government past September 30th to avoid a government shutdown, and it was unlikely that Congress would pass a full appropriations package until December 2020 or January 2021. He stated that the Infrastructure Appropriations bills for transportation, energy and water, and interior and environment proposed \$10.2 billion in emergency appropriations for State Revolving Funds (SRF) for COVID-19 relief and stimulus, as well as appropriations for other water and infrastructure funds; however, it was unclear whether the Senate would approve the proposed emergency appropriations. He also reported that the House rescinded and re-appropriated Water Infrastructure Finance and Innovation Act (WIFIA) funds, but provided no additional or new WIFIA funds. He noted that the House passed the Water Resources Development Act (WRDA) in July, and the Senate passed its WRDA through committee in May; however, the full Senate had not passed its WRDA bill. He stated that the Senate's WRDA bill focused on authorizing additional funds for drinking water programs at the Environmental Protection Agency (EPA). He also reported that House and Senate staff were currently in negotiations to resolve differences between the bills to avoid going to formal Conference Committee. He provided an update regarding COVID-19 relief bills and noted that Senate Majority Leader Mitch McConnell filed a "skinny relief bill" that the Senate would consider at the end of the week; however, the bill was not expected to pass. He also reported that Representative John

Garamendi and Senators John Cornyn and Kyrsten Sinema introduced bills that would make special districts eligible to receive up to five percent of any additional COVID-19 relief funds provided to states, and Senator Kamala Harris agreed in late July to sign on as a co-sponsor to this bill.

Syrus Devers, lobbyist representing BBK, presented the state legislative report and provided an update regarding negotiations with the South Coast Air Quality Management District (SCAQMD) on its 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 BBK would continue to work with the California Municipal Utilities Association (CMUA) in negotiations with SCAQMD for a rule change to be adopted by September 2021. He also stated that if a draft proposed rule change was not ready in time for staff to work on a bill for next year, then staff would pursue legislation. He also provided an update regarding AB 1659 (Bloom), Large Electrical Corporations: Wildfire Mitigation: Securitization, for a wildfire bond and stated that it was unlikely that this bill would move forward. Lastly, he provided an update regarding AB 3030, (Kalra), California Land and Ocean Conservation Goals, which was held on suspense and not moving forward.

C Update on Woolsey Fire Recovery Efforts

Joe McDermott, Director of Engineering and External Affairs, provided an update regarding repairs to JPA facilities damaged during the Woolsey Fire, including the Rancho Las Virgenes Composting Facility and amendment building, exterior, roof, electrical, and mechanical equipment related to the amendment conveyance process; biofilter and miscellaneous onsite appurtenances including irrigation and landscaping; irrigation system and other facilities by Reservoir No. 2; and recycled water tanks and surrounding irrigation systems. He noted that the biofilter was repaired and other repairs were pending by Pacific Hydrotech. He stated that negotiations were continuing with the JPA's insurance carrier to recoup the cost of repairs. He also stated that repairs to irrigation systems might not be covered by the insurance carrier, the Federal Emergency Management Agency (FEMA), or the California Office of Emergency Services (CalOES); however, a claim was submitted to Southern California Edison for damages. He also reported that production of compost at the Rancho Las Virgenes Composting Facility began two weeks ago, and 35 people picked up free compost on August 29th and approximately 70 people picked up free compost on September 5th.

Don Patterson, Director of Finance and Administration, provided an update regarding damage reimbursements received from the JPA's insurance carrier, FEMA, and CalOES. He noted that discussions continued with the JPA's insurance carrier, and a claim was submitted to SCE to recover the costs for damages.

6. ACTION ITEMS

A Owner's Advisor/Program Manager Services for the Pure Water Project Las Virgenes-Triunfo: Award

Accept the proposal from Jacobs Engineering Group, Inc., and authorize the Administering Agent/General Manager to execute a professional services agreement in the amount of \$6,867,000, including six value-added optional tasks, for Owner's Advisor/Program Manager Services for the Pure Water Project Las Virgenes-Triunfo.

Administering Agent/General Manager David Pedersen provided introductory remarks.

Eric Schlageter, Principal Engineer, discussed the Request for Proposals process and introduced Rich Nagel and Jennifer Phillips from Jacobs Engineering Group, Inc.

Rich Nagel and Jennifer Phillips presented a PowerPoint presentation summarizing their proposal for Owner's Advisor/Program Manager Services for the Pure Water Project Las Virgenes-Triunfo.

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

Jessica Forte, Public Works Director/City Engineer for the City of Agoura Hills, spoke in support of awarding the contract to Jacobs Engineering Group, Inc., and inclusion of a water supply augmentation study. She stated that the City recently studied the flow and quality of water at Medea Creek near Agoura Road, and noted that during the hottest months of the year, the City averaged 700,000 gallons per day. She suggested that the diverted water could be beneficial to the JPA to augment the water supply for the Pure Water Project Las Virgenes-Triunfo.

Eric Schlageter, Principal Engineer, responded to questions regarding Jacobs Engineering Group's proposal for Phase 1 of the project and further evaluation of brine management.

Ms. Forte responded to a question regarding the City of Agoura Hills' plans to conduct a base flow study separate from the proposed water supply augmentation study.

Director Orkney expressed concern that Medea Creek runs through multiple jurisdictions and studying the flows could be more complex than only studying the flows within the City of Agoura Hills. Mr. Schlageter responded that several areas of the watershed would be studied for water augmentation sources.

Mr. Nagel responded to a question regarding the proposal for an air curtain for Las Virgenes Reservoir by stating that an air curtain would promote mixing as opposed to submerged pipe diffusers, which could cause construction challenges.

Ms. Phillips responded to a question regarding Jacobs Engineering Group's experience with similar projects by stating that they assisted with the Pure Water San Diego Project by securing the reservoir discharge permit and continued dialog with regulators. Mr. Nagel added that their goal would be to recommend the right sized treatment plant and permitting strategy to achieve the 1:100 dilution ratio, study water augmentation sources, and study the brine alignment outcomes.

Motion carried unanimously.

B Pure Water Project Las Virgenes-Triunfo: Regional Brine Management Study

Receive and file the Regional Brine Management Study.

Administering Agent/General Manager David Pedersen provided introductory remarks.

Brian Dietrick, representing Woodard & Curran, presented a PowerPoint presentation summarizing the Regional Brine Management Study.

Director Lo-Hill moved to approve Item 6B. Motion seconded by Director Shapiro.

Eric Schlageter, Principal Engineer, responded to a question regarding the assessment of the City of Thousand Oaks' sewer collection system and Hill Canyon Treatment Plant to verify adequate capacity and potential treatment performance impacts due to additional brine loading.

Administering Agent/General Manager David Pedersen responded to a question regarding possible negotiations with the City of Thousand Oaks in sharing the benefit of receiving a fraction of the treated water from the Pure Water Project Las Virgenes-Triunfo in lieu of payment for the treatment costs.

Mr. Schlageter responded to a question regarding cost impacts for the JPA's brine line connecting to the Calleguas Municipal Water District's Salinity Management Pipeline by the Hill Canyon Treatment Plant by stating that the brine line constructability issues and cost impacts were not yet identified. He stated there could be a possible benefit of having a direct alignment that would allow a closer connection for the wells in Thousand Oaks to address the conveyance of the brine to the Hill Canyon Treatment Plant.

Mr. Dietrick responded to a question regarding the preparation of the Regional Brine Management Study by stating that the study was prepared to evaluate the costs for all of the entities as a whole. He noted that the report did not include a formal cost sharing analysis.

Motion carried unanimously.

C State and Federal Legislative and Regulatory Advocacy: Renewal of Professional Services Agreement

Authorize the Administering Agent/General Manager to execute a one-year professional services agreement with Best Best & Krieger LLP, in the amount of \$155,000, with two one-year renewal options adjusted for inflation, to provide state and federal legislative and regulatory advocacy services.

Administering Agent/General Manager David Pedersen presented the report.

Director Tjulander moved to approve Item 6C. Motion seconded by Director Shapiro. Motion carried unanimously.

7. BOARD COMMENTS

Director Lo-Hill reported that she attended the Association of California Water Agencies (ACWA) Energy Committee Meeting via teleconference, where a representative from Southern California Edison discussed higher than expected rate increases due to expiration of refunds and wildfire damages.

Director Renger mentioned that he read the book *Upheaval: Turning Points for Nations in Crisis* by Jared Diamond, which discusses how cities, states, and governments cope with crisis. He stated that the book was an eye-opener, and he recommended it to everyone.

Director Orkney stated that after serving 14 years on the JPA Board that she was very excited with the upcoming ribbon-cutting ceremony for the Pure Water Demonstration Facility. She acknowledged the leadership from the Board, management, consultants, and lobbyists in this effort.

Director Shapiro complimented the development and construction of the Pure Water Demonstration Facility. He also acknowledged staff on providing the virtual tour of the facility.

8. ADMINISTERING AGENT/GENERAL MANAGER REPORT

Administering Agent/General Manager David Pedersen thanked the Board for the positive feedback regarding the Pure Water Demonstration Facility, and he acknowledged the Board and staff for their support. He reported that the flow in Malibu Creek measured 3.5 cubic feet per second (CFS) at the gauging station; therefore, fish flow supplement was not needed. He also reported that compost was being produced at the Rancho Las Virgenes Composting Facility and free compost was available for pickup. He noted that 35 people picked up compost on August 29th and approximately 70 people picked up compost on September 5th. He also noted that staff implemented a reservation system for compost pickup due to the COVID-19 pandemic, including safety and social distancing guidelines. He

also reported that two customers recently inquired regarding the availability of free recycled water from the fill station at the Rancho Las Virgenes Composting Facility. He noted that the piping system was damaged during the Woolsey Fire; however, staff was in the process of obtaining quotes for the necessary repairs to restore the service as soon as possible. He also reported that Governor Gavin Newsom had declared a new State of Emergency due to the extreme heat experienced throughout the state during the Labor Day weekend. He noted that the Governor's declaration included provisions to suspend rules and regulations regarding running emergency generators. He stated the Tapia Water Reclamation Facility was operated on emergency back-up generators for three days from 3:00 p.m. to 9:00 p.m. Lastly, he noted that he and Chair Lewitt discussed his suggestion to ask the Board to consider sharing information after attending conferences during the JPA meetings under Board Comments. He responded to a question regarding looking into battery storage for running JPA facilities by stating that TerraVerde was currently conducting a study since battery storage had become more economical.

9. FUTURE AGENDA ITEMS

None.

10. INFORMATION ITEMS

A Saddle Peak and Cordillera Tank Rehabilitation Project: Reissuance of Call for Bids

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 **7:21 p.m.**

Jay Lewitt, Chair

ATTEST:

James Wall, Vice Chair

October 5, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

Subject : Pure Water Demonstration Project: Final Acceptance

SUMMARY:

On July 1, 2019, the JPA Board awarded a construction contract to Pacific Hydrotech Corporation, in the amount of \$2,087,300, for the Pure Water Demonstration Project. The work is now complete, and there are no significant outstanding issues to prevent final acceptance of the project. Staff recommends authorization to approve Change Order No. 3, file the Notice of Completion and release the retention as stipulated in the contract documents.

RECOMMENDATION(S):

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.

FISCAL IMPACT:

No

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The total cost of the construction contract for the project was \$2,229,494.07, which includes three change orders that total \$142,194.07, or 6.8% of the original contract amount. The costs are allocated 70.6% to LVMWD and 29.4% to Triunfo Water & Sanitation District. The total project costs were offset by grant funding totaling \$1,818,969, consisting of \$925,720 awarded by the State Coastal Conservancy (Proposition 12) and \$893,249 awarded by the State Water Resources Control Board.

DISCUSSION:

The completed demonstration project serves to achieve three primary goals: (1) treatment technique validation and research; (2) public outreach/acceptance; and, (3) operator training.

These three goals are essential elements of the successful implementation of the Pure Water Project Las Virgenes-Triumfo. The facility will also be utilized for testing that will help in the development of preliminary design efforts for the future full-scale Advanced Water Treatment Facility.

During construction of the project, there were three change order requests, in the cumulative amount of \$142,194.07. Change Order No. 1, in the amount of \$41,710.07, and Change Order No. 2, in the amount of \$61,443.75, were administratively approved by the Administering Agent/General Manager. All change order costs were for items of work that were not included in the original construction contract documents and, therefore, were not included in the bid amount.

While the LVMWD Code and JPA Agreement authorize the Administering Agent/General Manager to approve cumulative change orders up to 10% of the original construction contract amount, the JPA Board limited staff's authority on this project by authorizing only 5% of the contract amount to cover change orders that arose during the course of construction. Because of the limitation established by the JPA Board, Change Order No. 3 is recommended for approval by the Board at this time because it exceeds the 5% threshold when the amount is combined with those for the previous two change orders.

Following is a summary of the change orders:

Change Order No. 1 (\$41,710.07):

This change order was required due to a Southern California Edison (SCE) design change that occurred after the bidding of the project. The design change required a revision to the alignment and additional trenching/asphalt needed to bring the new buried electrical service to the building.

Change Order No. 2 (\$61,443.75):

This change order included many miscellaneous items that arose during the course of construction including but not limited to anchoring modifications to equipment skids, additional electrical work to support lighting and power for the visitor experience equipment; additional conduit for the fire alarm equipment; additional analyzers for the ultraviolet (UV) light / advanced oxidation skids; and additional window tinting for the building.

Change Order No. 3 (\$39,040.25 - Recommended):

This change order includes many items that arose during the final phases of work that were necessary for full functionality of the process system, as well as preparation for the ribbon-cutting event. These items included additional programming for control and alarming features of the SCADA system, addition of a threshold ramp across the storefront, additional air tubing for the pneumatic actuated valves on UV skid, supplying and installing cable extensions and cable trays for the skid cables overhead, revisions to the drainage system, and installation of waterproof seals and grout on the skids.

At this time, there are no outstanding issues to prevent final acceptance of the project. It is

appropriate to file the Notice of Completion and release the retention as stipulated in the contract documents.

Prepared by: Eric Schlageter, P.E., Principal Engineer

ATTACHMENTS:

Change Order No. 3

Notice of Completion



CONTRACT CHANGE ORDER

No. 3

4232 Las Virgenes Road
Calabasas, California 91302-1994

Project: Pure Water Demonstration Project

Project No. Acct. No. 10638.1880.505

Contractor Pacific Hydrotech Corporation (PHC)

Date 09/17/2020

CONTRACTOR CHANGE ORDER NO. 3 The Contractor is hereby authorized and directed to make the herein described changes from the Plans and Specifications or do the following work not included in the Plans and Specifications for the construction of this project.

This change requested by: Pacific Hydrotech Corporation

DESCRIPTION OF CHANGE:

	Description	Amount
1	Revisions to the drainage system and installation of waterproof seal and grout on skids	\$8,985.18
2	Supplying and installing the cable extensions and cable trays for the H2O skid cables.	\$11,417.42
3	Additional air tubing for the pneumatic actuated valves on UV skid	\$7,097.66
4	The addition of a threshold ramp	\$3,629.89
5	Additional programming for control and alarming features to the SCADA system.	\$7,910.10
	TOTAL	\$39,040.25

INCREASES

TOTAL AT AGREED PRICES OR FORCE ACCOUNT \$39,040.25

DECREASES

Contract Change Order No. 3 Project No. 10638 Acct. No. 10638.1880.505 Date 09/17/2020

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

INCREASES

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

DECREASES

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

TOTAL COST OF THIS CHANGE ORDER \$39,040.25 **INCREASE**

~~DECREASE~~

It is agreed 105 calendar days extension of time will be allowed by reason of this change.

Recommended by	Departmental Approval
Eric Schlageter, P.E. Principal Engineer	Joe McDermott, P.E. Director of Engineering and External Affairs

ACCEPTED:	APPROVED:
Pacific Hydrotech Corp.	<u>Las Virgenes-Triunfo Joint Powers Authority</u>
By: <u>Kyle Bremer</u>	By: _____ David W. Pedersen, General Manager
Date: <u>9/23/20</u>	Date: _____

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

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

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO

Name
Street
Address
City &
State
Zip

SPACE ABOVE THIS LINE FOR RECORDER'S USE

T 420 LEGAL (9-94)

Notice of Completion

NOTICE IS HEREBY GIVEN THAT:

1. The undersigned is the owner of the interest or estate stated below in the property hereinafter described.
2. The full name of the undersigned is _____ (NAME).
3. The full address of the undersigned is _____

 (NUMBER AND STREET, CITY, STATE, ZIP).
4. The nature of the title of the undersigned is OWNER IN FEE
 (E.G., owner in fee OR vendee under contract of purchase OR lessee OR OTHER APPROPRIATE DESIGNATION).
5. The full names and full addresses of all persons, if any, who hold title with the undersigned as joint tenants or as tenants in common are:

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

Names	Addresses
_____	_____
_____	_____
7. A work of improvement on the property hereinafter described was completed on _____ (DATE).
8. The name of the original contractor, if any, for the work of improvement was _____
 (NAME OF CONTRACTOR, OR IF NO CONTRACTOR FOR THE WORK OF IMPROVEMENT AS A WHOLE, INSERT THE WORD "none"). [IF NOTICE COVERS COMPLETION OF CONTRACT FOR ONLY PART OF THE WORK OF IMPROVEMENT, ADD: The kind of work done or material furnished was _____
 (GIVE GENERAL STATEMENT, E.G., furnishing of concrete for sidewalks].
9. The property on which the work of improvement was completed is in the City of _____, County of _____, State of California, and is described as follows: _____

 (set forth description of jobsite sufficient for identification, using legal description if possible).
10. The street address of the said property is _____
 (NUMBER AND STREET, OR, IF THERE IS NO OFFICIAL STREET ADDRESS, INSERT THE WORD "none".)

Dated: _____, _____ Las Virgenes Municipal Water District

(SIGNATURE)

(TYPED NAME)

VERIFICATION

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

Executed at _____, California, this _____ day of _____,
 _____ (SIGNATURE)

DO NOT RECORD

Recommended Procedure in the Preparation of a Notice of Completion

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

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

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

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

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

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

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

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

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

**NOTICE
OF COMPLETION**

CHICAGO TITLE COMPANY



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

CHICAGO TITLE COMPANY



October 5, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

Subject : Tapia Headworks Floor Rehabilitation Project: Final Acceptance

SUMMARY:

On December 9, 2019, the JPA Board awarded a construction contract to GSE Construction Company, in the amount of \$278,900, for the Tapia Headworks Floor Rehabilitation Project. The project consisted of replacing the deteriorated fiberglass floor and corroded carbon steel airline with a new stainless steel air line for the headworks at the Tapia Water Reclamation Facility. Two change orders were administratively approved and cumulatively totaled \$16,049.83, or 5.8% of the original contract amount. The work is now complete, and there are no significant outstanding issues to be addressed with the project. Staff recommends filing the Notice of Completion, and releasing the retention as stipulated in the contract documents.

RECOMMENDATION(S):

Approve the execution of a Notice of Completion and have the same recorded; and, in the absence of claims from subcontractors and others, 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.

FISCAL IMPACT:

No

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The total cost of the project was \$428,753.13, which is allocated 70.6% to LVMWD and 29.4% to Triunfo Water & Sanitation District.

DISCUSSION:

On December 9, 2019, the JPA Board awarded a construction contract to GSE Construction Company, in the amount of \$278,900, for the Tapia Headworks Floor Rehabilitation Project.

The project consisted of replacing the deteriorated fiberglass floor and corroded carbon steel airline with a new stainless steel air line for the headworks at the Tapia Water Reclamation Facility. The work was completed on September 23, 2020, which was 138-calendar days past the originally scheduled completion date of May 8, 2020. The delay was incurred as a result of the COVID-19 pandemic that caused longer lead times for materials, impacted the contractor’s labor availability and affected productivity. GSE Construction preemptively addressed the delay by exercising the force majeure clause in the contract with a letter dated March 30, 2020. Nevertheless, GSE Construction made a diligent effort to minimize the extent of delays and proceed with completion of the project.

Two change orders were administratively approved for the project:

- Change Order No. 1, in the amount of \$8,884.83, or 3.2% of the original contract amount, was administratively approved by the Administering Agent/General Manager on March 19, 2020 for a material upgrade from ductile iron to stainless steel valves and couplings on the stainless steel air line.
- Change Order No. 2, in the amount of \$7,165.00, or 2.6% of the original contract amount, was administratively approved by the Administering Agent/General Manager on June 29, 2020. The work consisted of upsizing a portion of the stainless steel air line from a 4-inch to 6-inch pipeline and repairing broken diffusers that were found inside the grit chamber channels.

The total project cost is summarized below:

Description	Cost
<u>Professional Services:</u>	
Design & Bidding – PACE Inc.	\$25,900.00
<u>Construction:</u>	
GSE Construction Company	\$278,900.00
- Change Order No. 1	\$8,884.83
- Change Order No. 2	\$7,165.00
<u>Administrative:</u>	
District Labor	\$24,045.11
G&A	\$83,858.19
Total Project Cost	\$428,753.13

Staff recommends the execution of a Notice of Completion and to have the same recorded; and, in the absence of claims from subcontractors and others, release of the retention, in the amount of \$14,747.50, 30-calendar days after filing of the Notice of Completion for the Tapia Headworks Floor Rehabilitation Project.

Prepared by: Veronica Hurtado, Assistant Engineer

ATTACHMENTS:

Notice of Completion

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO

Name
Street
Address
City &
State
Zip

SPACE ABOVE THIS LINE FOR RECORDER'S USE

T 420 LEGAL (9-94)

Notice of Completion

NOTICE IS HEREBY GIVEN THAT:

1. The undersigned is the owner of the interest or estate stated below in the property hereinafter described.
2. The full name of the undersigned is _____ (NAME).
3. The full address of the undersigned is _____

 (NUMBER AND STREET, CITY, STATE, ZIP). OWNER IN FEE
4. The nature of the title of the undersigned is _____
 (E.G., owner in fee OR vendee under contract of purchase OR lessee OR OTHER APPROPRIATE DESIGNATION).
5. The full names and full addresses of all persons, if any, who hold title with the undersigned as joint tenants or as tenants in common are:

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

Names	Addresses
_____	_____
_____	_____
7. A work of improvement on the property hereinafter described was completed on _____ (DATE).
8. The name of the original contractor, if any, for the work of improvement was _____
 (NAME OF CONTRACTOR, OR IF NO CONTRACTOR FOR THE WORK OF IMPROVEMENT AS A WHOLE, INSERT THE WORD "none"). [IF NOTICE COVERS COMPLETION OF CONTRACT FOR ONLY PART OF THE WORK OF IMPROVEMENT, ADD: The kind of work done or material furnished was _____
 (GIVE GENERAL STATEMENT, E.G., furnishing of concrete for sidewalks].
9. The property on which the work of improvement was completed is in the City of _____, County of _____, State of California, and is described as follows: _____

 (set forth description of jobsite sufficient for identification, using legal description if possible).
10. The street address of the said property is _____
 (NUMBER AND STREET, OR, IF THERE IS NO OFFICIAL STREET ADDRESS, INSERT THE WORD "none".)

Dated: _____, _____ Las Virgenes Municipal Water District

(SIGNATURE)

(TYPED NAME)

VERIFICATION

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

Executed at _____, California, this _____ day of _____,
 _____ (SIGNATURE)

DO NOT RECORD

Recommended Procedure in the Preparation of a Notice of Completion

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

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

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

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

**NOTICE
OF COMPLETION**

CHICAGO TITLE COMPANY



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

CHICAGO TITLE COMPANY



October 5, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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

SUMMARY:

On April 27, 2020, the Administering Agent/General Manager administratively approved a professional services agreement with MKN & Associates, in the amount of \$24,769, for the Centrate Treatment 24-inch Pump Suction Header and Valve Replacement Project at the Rancho Las Virgenes Composting Facility. The project consists of modifications to the existing centrate treatment pump suction header and replacement of leaking 24-inch valves. The design has been completed by MKN, and the work is ready to be advertised for construction bids. Staff recommends that the Board authorize the issuance of a Call for Bids for the Centrate Treatment 24-inch Pump Suction Header and Valve Replacement Project.

RECOMMENDATION(S):

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

FISCAL IMPACT:

No

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

There is no financial impact associated with the issuance of a Call for Bids.

DISCUSSION:

In 2009, two existing Aquastore glass-lined steel tanks (approximately 700,000 gallons each) were converted to centrate treatment tanks at the Rancho Las Virgenes Composting Facility. The converted tanks have proven to be very successful for the treatment of centrate with a consistent nitrogen removal rate exceeding 80 percent. In 2018, a third glass-lined steel tank (approximately 480,000 gallons) was constructed to provide for equalization storage

and redundancy in the centrate treatment process.

With the recent addition of the 480,000-gallon storage tank, operations staff would like to use both 700,000-gallon centrate tanks simultaneously for the treatment process to support better nitrogen removal. The 480-gallon tank would be used for equalization storage. For this transition to occur successfully, several existing and leaking valves on the 24-inch centrate pump suction header need to be replaced. The project consists of removing the leaking underground 24-inch plug valves and replacing them with new aboveground 20-inch plug valves.

Following is the proposed bid schedule:

Authorization of Call for Bids:	October 5, 2020
1st Advertisement:	October 8, 2020
2nd Advertisement:	October 15, 2020
Mandatory Pre-Bid Meeting:	October 28, 2020
Bid Due Date at 3 p.m.:	November 11, 2020
Bid Opening at 9 a.m.:	November 12, 2020
Award of Contract:	December 7, 2020

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

Prepared by: Mercedes Acevedo, Assistant Engineer, E.I.T

ATTACHMENTS:

Notice Inviting Sealed Proposals

NOTICE INVITING SEALED PROPOSALS (BIDS)

RANCHO LAS VIRGENES COMPOSTING FACILITY: CENTRATE TREATMENT 24-INCH PUMP SUCTION HEADER AND VALVE REPLACEMENT PROJECT

NOTICE IS HEREBY GIVEN that the Board of Directors of Las Virgenes – Triunfo Joint Powers Authority (JPA) invites and will receive sealed proposals (bids) up to the hour of **3:00PM on November 11th, 2020**, for furnishing the work described in the contract documents. Precautions are being taken by JPA in response to the novel coronavirus and COVID-19 outbreak in order to protect employees, customers, and our partners. JPA is currently closed to public access. Until further notice, JPA is suspending in-person meetings relating to bids (including public bid openings, the hand-delivery of bids by company employees, and in-person pre-bid meetings) to reduce the number of people coming into JPA and LVMWD facilities. Said bids shall conform to and be responsive to the Specifications and Contract Documents for said work as heretofore approved by the JPA.

This policy is effective, Monday, April 6, 2020, and remains in force until further notice. All bids must be sent by mail or dropped off at LVMWD's Headquarters mail box located at the main entrance. Bidders must allow enough time for bids to be delivered to LVMWD by the due date. All submittals will be time stamped as soon as they are received. Bids received after the time stated in the Call for Bids will not be accepted and will be returned, unopened, to the bidder. The time shall be determined by the time on the receptionist telephone console in our Headquarters lobby.

Pre-bid meetings and other meetings associated with the bidding process will be held via telephone conference and/or through web enabled video conference. Details for these meetings will be provided on bid announcements specific to each project. Any questions related to this announcement, including requests for special accommodations to attend the meetings, can be directed to LVMWD Assistant Engineer, Mercedes Acevedo, at macevedo@lvmwd.com or (818) 251-2147.

A mandatory pre-bid meeting will be conducted at **9:00AM on October 28th, 2020** via teleconference. A pre-recorded video of the job site will be made available to all in attendance at the pre-bid meeting. Please request the meeting link from the Project Manager, Mercedes Acevedo, well in advance of the meeting time. Attendance at the pre-bid conference is a condition precedent to submittal of the bid and the JPA will not consider a bid from any bidder not represented at the pre-bid conference. Questions regarding the project may be directed to Project Manager, Mercedes Acevedo at (818)-251-2147.

A bid opening will also be available for public viewing through video teleconference at **9:00am on November 12th, 2020**. Requests for the meeting link can be made to the District Project Manager, Mercedes Acevedo, before the bid deadline. A recording of the bid opening will be posted on the District's website at the following link - www.LVMWD.com/PublicWorksContracts

Sets of contract documents may be downloaded for free by going to <http://www.LVMWD.com/Ebidboard> and following the links to this project.

In order to be placed on the plan holder's list, contractors shall register for free as a document holder for this project on Ebidboard by going to www.LVMWD.com/Ebidboard and following the links to this project. Addendum notifications will be issued through Ebidboard.com, but may also be provided by calling the District's Project Manager. Although Ebidboard will fax and/or email all notifications to registered plan holders after the District uploads the information, Bidders are responsible for obtaining all addenda and updated contract documents.

Each bid must be on the JPA bid form and shall be sealed and filed with the secretary of the JPA at or before the time stated in the Notice.

No Contractor or Subcontractor may be listed on a bid proposal for a public works project submitted on or after March 1, 2015 unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. No Contractor or Subcontractor may be awarded a contract for public work on a public works project awarded on or after April 1, 2015 unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. Effective January 1, 2016, no Contractor or Subcontractor may perform on a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. This project is subject to compliance monitoring and enforcement by the DIR.

All terms and conditions contained in the Specifications and Contract Documents shall become part of the contract. The Board of Directors of the JPA reserves the right to reject any and all bids and to waive any and all irregularities in any bid. No bidder may withdraw his bid after the said time for bid openings until 60-days thereafter or until the JPA has made a final award to the successful bidder or has rejected all bids, whichever event first occurs.

The Board of Directors of the JPA reserves the right to select the schedule(s) under which the bids are to be compared and contract(s) awarded.

BY ORDER OF THE GOVERNING BODY OF LAS VIRGENES – TRIUNFO JOINT POWERS AUTHORITY

Dated

Jay Lewitt, Chair



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: September 28, 2020
RE: Federal Report

Congressional Schedule

The Senate is currently scheduled to be in session through October, focused on the confirmation of President Trump's Supreme Court nominee, Judge Amy Coney Barrett. The House is scheduled to remain in session until October 2 before they recess until after election day.

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

COVID-19 Relief

Today, House Speaker Pelosi and Treasury Secretary Mnuchin restarted discussions over the next round of COVID relief; they plan to continue discussions tomorrow. Moments before discussions resumed, the House Democrats released a new proposed relief bill that would provide \$2.2 trillion in assistance – down from the \$3.4 billion in their May bill. President Trump has indicated he could support a package of \$1.5 trillion. If progress is not made in the coming days, the House plans to vote on their new bill on Wednesday, and then adjourn at the end of the week.

Aid to state and local government has been a major sticking point. The House bill passed in May would provide \$500 billion to states and \$375 billion to local governments, split between counties and cities. The smaller House package released today would provide \$238 billion to states and \$179 billion to local governments, split evenly between counties and cities, and covering a shorter time period than the bill passed in May.

Last month's smaller Republican relief proposal did not include new funds for state or local governments, but did expand the potential uses of existing funds and provides incentives for states and large counties to pass along more funding to their cities and local governments. Republican negotiators have signaled they may be willing to add \$150 billion in additional funding for state and local governments if agreement can be reached on a relief package.

We continue to support Rep. Garamendi's legislation and its Senate counterpart that would make state and local assistance available to special districts, but thus far neither the House nor Senate leadership proposals have incorporated it in their proposals.

Appropriations

Last week, the House passed a Continuing Resolution to keep the Federal government open and funded at current levels from September 30, when the current Fiscal Year 2020 appropriations



bills end, until mid-December, to allow time for agreement on full Fiscal Year 2021 appropriations bills. The Senate is scheduled to vote on and expected to pass the bill on September 29 or 30, and the President has said he will sign it. In addition to continuing funding, the bill provides a one-year extension for the Surface Transportation funding Program at fiscal year 2020 levels, adds \$8 billion in nutrition assistance for school children and families, and replenishes Commodity Credit Corporation (CCC) funding for agriculture.

The full fiscal year 2021 appropriations bills remain stalled in the Senate. In July, the House passed 10 of 12 appropriations bills for fiscal year 2021. In two “minibus” packages, they passed bills that will fund the departments of Defense, Commerce, Justice, Energy, Treasury Labor, Health and Human Services, Education, Transportation, Housing and Urban Development, State, Agriculture, Interior, and Veterans Affairs from October 1, 2020 to September 30, 2021. The House did not vote on the Legislative or Homeland Security funding bills.

In the Senate, the appropriations process remains stalled over disagreements between Republicans and Democrats over what amendments will be considered in an election year with the Senate majority in play. We do not expect the Senate Appropriations Committee to begin considering appropriations bills until after the election.

Two noteworthy items in the House package are:

(1) proposed emergency spending measures in the infrastructure-related bills that would include more than \$10.2 billion for water infrastructure, primarily through state revolving funds, but would require at least 40% of that additional funding to take the form of grants or loan forgiveness.

(2) a provision rescinding and re-appropriating funds for EPA’s WIFIA loans, and providing no additional WIFIA funding. Appropriations Committee staff included the provision as part of a dispute with EPA over uses of WIFIA loans, but they have assured concerned members that this issue would be “fixed” in conference with the Senate.

It is possible that there will also be supplemental spending provisions to address the wildfires in the west and the damage from Hurricane Laura.

Wildfire Response and Support

On August 22, the President and FEMA issued a Federal disaster declaration for areas affected by wildfires in California. It included individual assistance and public assistance for 8 counties; on September 11, public assistance was extended to 3 more counties; on September 14, individual assistance was extended to a ninth county. FEMA anticipates adding more counties to the ongoing disaster declaration as damage assessments are completed.

We are monitoring for potential supplemental appropriations and other funding sources to assist with response and recovery.

Water Resources Development Act

In July, the House passed its 2020 Water Resources Development Act (WRDA), H.R. 7575, which provides the U.S. Army Corps of Engineers authorization to carry out water resources development projects and studies.

The Senate passed its version of WRDA (S. 3591) out of Committee in May, packaged with another bill (S. 3590) focused on authorizing funds for drinking water at EPA. The bills have not been scheduled or brought up for a full vote on the Senate floor.

Currently, the House and Senate are trying to negotiate to resolve differences between the House and the Senate bills. If they can do so, they would then try to move an agreed bill through the Senate and the House, and avoid a formal conference committee. Both the House and Senate bills have been bipartisan efforts. Currently the major sticking point is a difference between the House and Senate over whether the bill should authorize additional funding for dredging ports from the Harbor Maintenance Trust Fund.

H.R. 8217, “WIFIA Improvement Act of 2020,” sponsored by Rep. John Garamendi (D-CA)

Representative Garamendi introduced legislation that would provide an extension in WIFIA loan maturity rates from 35 years to 55 years, which would lower capital costs for long-term projects such as reservoirs. It would also allow WIFIA loans to be used for Operations and Maintenance of Federally titled projects by local sponsors. The language in this section is the same as the language in the Senate’s WRDA bill, section 2014 of S. 3591, “America’s Water Infrastructure Act of 2020.”

Rep. Garamendi’s staff has conducted outreach for potential cosponsors of his bill and House support for the WRDA provision. House and Senate committee staff have concerns about the WRDA provision because it scores under budget rules, and Senate leadership has opposed a WRDA package that scores.

Title XVI

In the summer of 2019, the Bureau of Reclamation accepted applications for a round of Title XVI grants, and Las Virgenes-Triunfo submitted an application. Since February, the grants have been held up “under review” by senior officials – an unusually long period. We recently learned that the delay may be related to a broader disagreement between Congress and the Trump Administration over funding work to raise Shasta Dam.

Defense Reauthorization and PFAS

In July, the House and Senate passed their respective versions of the 2021 National Defense Authorization Act (NDAA). Staffers on the House and Senate Armed Services committees have started unofficial talks regarding the differences in the bills, but a formal conference negotiation has not begun and a final agreement is not expected until after the election.



BEST BEST & KRIEGER
ATTORNEYS AT LAW

As reported previously, neither the House nor Senate bills include provisions that would designate PFAS as hazardous substances under CERCLA or require regulation under the Clean Water Act or Safe Drinking Water Act. Instead, they include provisions focused on Defense Department use of, research on, and remediation of PFAS.

**LAS VIRGENES TRIUNFO - HIGH PRIORITY LEGISLATION IN THE 116TH CONGRESS
THROUGH SEPTEMBER 25, 2020**

LEGISLATION	SUMMARY	STATUS	POSITION
<u>H.R. 34</u> <u>Energy and Water Research Integration Act of 2019</u>	<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>	
<u>S. 47</u> <u>Natural Resources Management Act</u>	<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"> • Specifically, the bill addresses, among other matters • land conveyances, exchanges, acquisitions, withdrawals, and transfers; • national parks, monuments, memorials, wilderness areas, wild and scenic rivers, historic and heritage sites, and other conservation and recreation areas; • wildlife conservation; • helium extraction; • small miner waivers of claim maintenance fees; • wildland fire operations; • the release of certain federal reversionary land interests; • boundary adjustments; • the Denali National Park and Preserve natural gas pipeline; • fees for medical services in units of the National Park System; • funding for the Land and Water Conservation Fund; • recreational activities on federal or nonfederal lands; • a national volcano early warning and monitoring system; • federal reclamation projects; and • search-and recovery-missions. <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
S. 40 Bureau of Reclamation Transparency Act	To require the Secretary of the Interior to submit to Congress a report on the efforts of the Bureau of Reclamation to manage its infrastructure assets.	Introduced by Sen. John Barrasso (R-WY) – January 8, 2019	
H.R. 357 Sacramento-San Joaquin Delta National Heritage Area Act	To establish the Sacramento-San Joaquin Delta National Heritage Area. The boundaries of the Heritage Area shall be in the counties of Contra Costa, Sacramento, San Joaquin, Solano, and Yolo in the State of California, as generally depicted on the map entitled “Sacramento-San Joaquin Delta National Heritage Area Proposed Boundary”, numbered T27/105,030, and dated October 2012.	Introduced by Rep. John Garamendi (D-CA) – January 9, 2019 Signed into law on March 12, 2019 as part of S. 47 – Natural Resources Management Act	
H.R. 535 PFAS Action Act of 2019	To require the Administrator of the Environmental Protection Agency to designate per- and polyfluoroalkyl substances as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980.	Introduced by Rep. Debbie Dingell (D-MI) – January 14, 2019 Received in the Senate – January 13, 2020	
H.R. 579 Water Rights Protection Act of 2019	To prohibit the conditioning of any permit, lease, or other use agreement on the transfer of any water right to the United States by the Secretaries of the Interior and Agriculture, and for other purposes.	Introduced by Rep. Scott Tipton (R-CO) – January 15, 2019	
H.R. 664 Recreational Lands Self-Defense Act of 2019	To protect the right of individuals to bear arms at water resources development projects administered by the Secretary of the Army, and for other purposes	Introduced by Rep. Bob Gibbs (D-OH) – January 17, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<u>H.R. 667</u> <u>Regulatory Certainty for Navigable Waters Act</u>	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	
<u>H.R. 658</u> <u>National Infrastructure Development Bank Act of 2019</u>	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	
<u>H.R. 807</u> <u>Water and Agriculture Tax Reform Act of 2019</u>	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	
<u>H.R. 843</u> <u>Reform EPA Act</u>	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	
<u>H.R. 855</u> <u>STRONG Act</u>	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	
<u>S. 308</u> <u>Santa Ana River Wash Plan Land Exchange Act</u>	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	
<u>S. 361</u> <u>Water and Agriculture Tax Reform Act of 2019</u>	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
<u>H.R. 1067</u> <u>Santa Ana River Wash Plan Land Exchange Act</u>	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	
<u>S. 376</u> <u>Defense of Environment and Property Act of 2019</u>	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	
<u>H.R. 1137</u> <u>To amend the Water Resources Development Act of 1986 to repeal the authority relating to reprogramming during national emergencies.</u>	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	
<u>H.R. 1162</u> <u>Water Recycling Investment and Improvement Act</u>	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>
<u>H.R. 1334</u> <u>Outdoor Recreation Legacy Partnership Grant Program Acts</u>	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
<u>H.R. 1331</u> <u>Local Water Protection Act</u>	<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>	
<u>H.R. 1429</u> <u>Drinking Water Infrastructure for Job Creation Act</u>	<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>	
<u>S. 611</u> <u>Water Affordability, Transparency, Equity, and Reliability Act of 2019</u>	<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>	
<u>H.R. 1417</u> <u>Water Affordability, Transparency, Equity, and Reliability Act of 2019</u>	<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>	
<u>H.R. 1497</u> <u>Water Quality Protection and Job Creation Act of 2019</u>	<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
H.R. 1621 Water Supply Permitting Coordination Act	To authorize the Secretary of the Interior to coordinate Federal and State permitting processes related to the construction of new surface water storage projects on lands under the jurisdiction of the Secretary of the Interior and the Secretary of Agriculture and to designate the Bureau of Reclamation as the lead agency for permit processing, and for other purposes.	Introduced by Rep. Tom McClintock (R-CA) – March 7, 2019	
H.R. 1764 To amend the Federal Water Pollution Control Act with respect to permitting terms, and for other purposes.	To extend the NPDES permit period from 5 years to 10 years.	Introduced by Rep. John Garamendi (D-CA) – March 14, 2019	<i>Support (with condition of needing Napolitano's support on the bill as well)</i>
H.R. 2030 Colorado River Drought Contingency Plan Authorization Act	This bill requires the Department of the Interior to carry out the Colorado River Drought Contingency Plan which was submitted to Congress on March 19, 2019, by Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming. Interior must execute the plan without delay and operate applicable Colorado River System reservoirs accordingly.	Introduced by Rep. Raul Grijalva (D-AZ) – April 2, 2019 Became Public Law No: 116-14 - April 16, 2019	
S. 1057 Colorado River Drought Contingency Plan Authorization Act	This bill requires the Department of the Interior to carry out the Colorado River Drought Contingency Plan which was submitted to Congress on March 19, 2019, by Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming. Interior must execute the plan without delay and operate applicable Colorado River System reservoirs accordingly	Introduced by Sen. Martha McSally (R-AZ) – April 8, 2019 Passed the Senate on April 9, 2019. Introduced in the House	
S. 1087 Water Quality Certification Improvement Act of 2019	To amend the Federal Water Pollution Control Act to make changes with respect to water quality certification, and for other purposes.	Introduced by Sen. John Barrasso (R-WY) – April 9, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
H.R. 2215 San Gabriel Mountains Foothills and Rivers Protections Act	<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>	
S. 1109 San Gabriel Mountains Foothills and Rivers Protection Act	<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>	
H.R. 2205 Water Quality Certification Improvement Act of 2019	<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>	
H.R. 2287 Federal Regulatory Certainty for Water Act	<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
H.R. 2313 Water Conservation Rebate Tax Parity Act	<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>	
H. Res. 324 Recognizing the importance of the United States-Israel economic relationship and encouraging new areas of cooperation	<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;</p> <p>(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;</p> <p>(3) encourages the President to regularize and expand existing forums of economic dialogue with Israel and foster both public and private sector participation; and</p> <p>(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>	
H.R. 2377 Protect Drinking Water from PFAS Act of 2019	<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>	
S. 1251 Safe Drinking Water Assistance Act of 2019	<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
<u>S. 1245</u> <u>All-of-the-Above Federal Building Energy Conservation Act of 2019</u>	<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>	
<u>H.R. 2462</u> <u>Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</u>	<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>	
<u>S. 1276</u> <u>Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</u>	<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>	
<u>H.R. 2458</u> <u>Water Infrastructure Sustainability and Efficiency Act</u>	<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>	
<u>H.R. 2473</u> <u>Securing Access for the central Valley and Enhancing (SAVE) Water Resources Act</u>	<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
H.R. 2470 Clean Water Infrastructure Resilience and Sustainability Act	To direct the Administrator of the Environmental Protection Agency to establish a program to make grants to eligible entities to increase the resilience of publicly owned treatment works to natural disasters.	Introduced by Rep. Salud Carbajal (D-CA) – May 3, 2019	
S. 1372 PFAS Accountability Act of 2019	To encourage Federal agencies to expeditiously enter into or amend cooperative agreements with States for removal and remedial actions to address PFAS contamination in drinking, surface, and ground water and land surface and subsurface strata, and for other purposes.	Introduced by Sen. Debbie Stabenow (D-MI) – May 8, 2019	
H.R. 2570 PFAS User Fee Act of 2019	To ensure that polluters pay ongoing water treatment costs associated with contamination from perfluoroalkyl and polyfluoroalkyl substances, and for other purposes.	Introduced Rep. Harley Rouda (D-CA) – May 9, 2019 Forwarded by Subcommittee to Full Committee on Energy and Commerce by voice vote – September 26, 2019	<i>Watching</i>
H.R. 2665 Smart Energy and Water Efficiency Act of 2019	To direct the Secretary of Energy to establish a smart energy and water efficiency program, and for other purposes.	Introduced Rep. Jerry McNerney (D-CA) – May 13, 2019 Ordered to be Reported (Amended) by Voice Vote – July 17, 2019	
H.R. 2705 Water Infrastructure Trust Fund Act of 2019	To establish a Water Infrastructure Trust Fund through the Treasury Department - 50% of the fund shall be available to the EPA for capitalization grants under §601 of the Federal Water Pollution Control Act and 50% of the fund shall be available to the EPA for capitalization grants under §1452 under the Safe Drinking Water Act.	Introduced by Rep. Earl Blumenauer (D-OR) – May 14, 2019	

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

LEGISLATION	SUMMARY	STATUS	POSITION
H.R. 2776 Stop Sewage Overflow Act	<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"> • 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. • 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. • 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. • 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. • 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. • 	<p>Introduced by Rep. Lori Traham (D-MA) – May 16, 2019</p>	
H.R. 2871 Aquifer Recharge Flexibility Act	<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>	
S. 1604 Local Water Protection Act	<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>S. 1689 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.</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>S. Res. 213 A resolution designating the week of May 19 through May 25, 2019 as “National Public Works Week.”</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>S. 1811 A bill to make technical corrections to the America’s Water Infrastructure Act of 2018</p>	<p>To make technical corrections to the America’s Water Infrastructure Act of 2018. Corrections include:</p> <ul style="list-style-type: none"> • Extending the Non-Federal Implementation Pilot Program from five to ten years; and • Amending the local government reservoir permit review to remove the limitation of those only owned and operated by the Secretary. 	<p>Introduced by Sen. John Barrasso (R-WY)</p> <p>Passed the Senate – July 10, 2019</p>	
<p>S. 1857 Federal Energy and Water Management Performance Act of 2019</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
H.R. 3254 PIPE Act	<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>	
S. 1932 Drought Resiliency and Water Supply Infrastructure Act	<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>	
H.R. 3423 National Green Bank Act of 2019	<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>	
H.R. 3521 Wastewater Infrastructure Workforce Investment Act	<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>	
H.R. 3510 Water Resources Research Amendments Act	<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
S. 2044 Water Supply Infrastructure Rehabilitation and Utilization Act	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	
S. 2013 A bill to protect the right of individuals to bear arms at water resources development projects	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>
H.R. 3616 Clean Water Standards for PFAS Act of 2019	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	
S. 2056 Build America, Buy America Act	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	
H.R. 3723 Desalination Development Act	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
H.R. 3779 Resilience Revolving Loan Fund Act of 2019	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	
H.R. 3844 Farmer Fairness Act	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	
S. 2187 National Flood Insurance Program Reauthorization and Reform Act of 2019	To reauthorize the National Flood Insurance Program, and for other purposes.	Introduced by Sen. Robert Menendez (D-NJ) – July 18, 2019	
S. 2164 Water Resources Research Amendments Act	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	
S. 2239 A bill to codify an Executive order preparing the United States for the impacts of climate change, and for other purposes	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
H.R. 3944 To amend the Water Resources Reform and Development Act of 2014 to modify the procedure for communicating certain emergency risks, and for other purposes.	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	
H.R. 3949 Safe Drinking Water in Playgrounds and Parks Act	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	
H.R. 4050 ZERO WASTE Act	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	
H.R. 4033 Water Justice Act	To provide supplemental appropriations for safe and secure water, and for other purposes.	Introduced by Rep. Daniel Kildee (D-MI) – July 25, 2019	
H.R. 4006 CLEANER Act of 2019	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	
H.R. 4007 Focused Reduction of Effluence and Stormwater runoff through HydroEnvironmental Regulation Act of 2019	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
S. 2325 Super Pollutants Act	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	
S. 2356 Define WOTUS Act of 2019	To provide a definition of navigable waters, and for other purposes.	Introduced by Mike Braun (R-IN) – July 31, 2019	
S. 2353 Protecting Firefighters from Adverse Substances Act of 2019	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	
S. 2410 Flood Reduction, Wildlife Habitat, and Water Quality Improvement Act of 2019	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	
S. 2404 Build Local, Hire Local Act	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
<u>H.R. 4143</u> <u>Super Pollutants Act of 2019</u>	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	
<u>H.R. 4149</u> <u>REGION Act</u>	To prohibit the closure, consolidation, or elimination of offices of the Environmental Protection Agency.	Introduced by Rep. Debbie Dingell (D-MI) – August 2, 2019	
<u>H.R. 4205</u> <u>FLARE Act</u>	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	
<u>H.R. 4266</u> <u>Clean Water Through Green Infrastructure Act</u>	To establish centers of excellence for innovative stormwater control infrastructure, and for other purposes.	Introduced by Rep. Denny Heck (D-WA) – September 10, 2019	
<u>S. 2456</u> <u>Clean Water Through Green Infrastructure Act</u>	To establish centers of excellence for innovative stormwater control infrastructure, and for other purposes.	Introduced by Sen. Tom Udall (R-NM) – September 10, 2019	
<u>S. 2466</u> <u>Water Justice Act</u>	To provide supplemental appropriations for safe and secure water, and for other purposes.	Introduced by Sen. Kamala Harris (D-CA) – September 11, 2019	
<u>S. 2470</u> <u>Energy and Water Development and Related Agencies Appropriations Act, 2020</u>	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
<u>H.R. 4321</u> <u>GET THE LEAD OUT Act of 2019</u>	To eliminate lead-based pipe and tap hazards in housing, and for other purposes.	Introduced by Rep. Tim Ryan (D-OH) – September 12, 2019	
<u>H.R. 4341</u> <u>Critically Endangered Animals Conservation Act of 2019</u>	To assist in the conservation of critically endangered species in foreign countries, and for other purposes.	Introduced by Rep. Jarred Huffman (D-CA) – September 12, 2019 Subcommittee on Water, Oceans, and Wildlife hearing - September 24, 2019	
<u>H.R. 4347</u> <u>PREPARE Act of 2019</u>	To enhance the Federal Government’s planning and preparation for extreme weather and the Federal Government’s dissemination of best practices to respond to extreme weather, thereby increasing resilience, improving regional coordination, and mitigating the financial risk to the Federal Government from such extreme weather, and for other purposes.	Introduced by Rep. Matt Cartwright (D-PA) – September 17, 2019 Ordered to be Reported by voice vote – September 19, 2019	
<u>S. 2491</u> <u>Protect America's Wildlife and Fish in Need of Conservation Act of 2019</u>	To terminate certain rules issued by the Secretary of the Interior and the Secretary of Commerce relating to endangered and threatened species, and for other purposes.	Introduced by Sen. Tom Udall (D-NM) – September 17, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<u>S. 2522</u> <u>Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2020</u>	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	
<u>H.R. 4348</u> <u>PAW and FIN Conservation Act of 2019</u>	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	
<u>S.Res. 324</u> <u>A resolution designating September 29, 2019, as "National Urban Wildlife Refuge Day"</u>	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	
<u>H.R. 4483</u> <u>Localizing Authority of Management Plans Act of 2019</u>	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
S. 2580 Department of the Interior, Environment, and Related Agencies Appropriations Act, 2020	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	
H.R. 4512 Outdoors for All Act	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	
H.R. 4416 Lead-Free Future Act of 2019	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	
H.R. 4659 Water Supply Infrastructure Rehabilitation and Utilization Act	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	
S. 2596 Voluntary Water Partnership for Distressed Communities Act of 2019	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
<u>H.Res. 628</u> <u>Expressing support for the designation of the week beginning on October 13, 2019, as National Wildlife Refuge Week</u>	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	
<u>S.Res. 362</u> <u>A resolution designating the week beginning on October 13, 2019, as "National Wildlife Refuge Week"</u>	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	
<u>S. 2636</u> <u>Clean Water Infrastructure Resilience and Sustainability Act</u>	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	
<u>H.R. 4723</u> <u>Fish Act of 2019</u>	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
<u>H.R. 4732</u> <u>To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes</u>	To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes.	Introduced by Rep. Nydia Velasquez (D-NY) – October 17, 2019	
<u>S.Res. 372</u> <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>	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.	Introduced by Sen. Tom Udall (D-NM) – October 22, 2019	
<u>H.R. 4780</u> <u>National Infrastructure Investment Corporation Act of 2019</u>	To establish a Government corporation to provide loans and loan guarantees for infrastructure projects, and for other purposes.	Introduced by Rep. Salud Carbajal (D-CA) – October 22, 2019	
<u>S. 2674</u> <u>Assuring Quality Water Infrastructure Act</u>	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.	Introduced by Sen. Shelley Capito (R-WV) – October 23, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
S. 2687 Low-Income Water Customer Assistance Programs Act of 2019	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	
H.R. 4832 Low-Income Water Customer Assistance Programs Act of 2019	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	
H.R. 4891 Western Water Security Act of 2019	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	
S. 2767 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	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	
S. 2783 Responsibly Enhancing America's Landscapes Act	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
<u>S. 2799</u> <u>Nexus of Energy and Water for Sustainability Act of 2019</u>	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	
<u>S. 2792</u> <u>Penny Plan to Enhance Infrastructure Act of 2019</u>	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	
<u>S. 2862</u> <u>Drought Relief through Innovative Projects Act of 2019</u>	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	
<u>H.R. 5095</u> <u>Endangered Species Accountability Reform Act</u>	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	
<u>H.R. 5120</u> <u>SAFER Pipelines Act of 2019</u>	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
<u>H.R. 5176</u> <u>Climate Resiliency Service Corps Act of 2019</u>	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	
<u>H.R. 5193</u> <u>Buy America for Drinking Water Extension Act of 2019</u>	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	
<u>H.R. 5217</u> <u>WOW Act</u>	To provide for western water security, reliability, modernization, and abundance, and for other purposes.	Introduced by Rep. Tom McClintock (R-CA) – November 21, 2019	
<u>H.R. 5288</u> <u>Upper Mississippi River Flood Control Act</u>	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	
<u>S. 2978</u> <u>Energy and Water Research Integration Act of 2019</u>	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	
<u>S. 2980</u> <u>Clean Water Standards for PFAS Act of 2019</u>	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	
<u>H.R. 5302</u> <u>Western Water Recycling and Drought Relief Act</u>	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	
<u>H.R. 5303</u> <u>California Central Coast Conservation Act</u>	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
<u>H.R. 5316</u> <u>Move Water Now Act</u>	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	
<u>H.R. 5347</u> <u>Disadvantaged Community Drinking Water Assistance Act</u>	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	
<u>H.R. 5361</u> <u>Safe Drinking Water Assistance Act of 2019</u>	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	
<u>S. 3044</u> <u>Western Tribal Water Infrastructure Act of 2019</u>	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	
<u>S. 3046</u> <u>Wastewater Efficiency and Treatment Act of 2019</u>	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
S. 3051 America's Conservation Enhancement Act	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	
H.R. 5430 United States- Mexico-Canada Agreement Implementation Act	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	
S. 3052 United States- Mexico-Canada Agreement Implementation Act	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	
H.R. 5435 American Public Lands and Waters Climate Solution Act of 2019	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	
H.R. 5445 Critical Infrastructure Act of 2019	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
S. 3082 LEVEE Act	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	
H.R.5513 Affordable Safe Drinking Water Act of 2019	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	
H.R. 5504 To amend the National Dam Safety Program Act with respect to the definition of eligible high hazard potential dam, and for other purposes	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	
H.R.5539 Clean Water Standards for PFAS Act of 2020	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	
H.R. 5540 PFAS Transparency Act	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	
S. 3160 Affordable Safe Drinking Water Act of 2020	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	
S. 3171 Protect and Restore America's Estuaries Act	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
S. 3176 United States-Israel Security Assistance Authorization Act of 2020	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	
H.R. 5579 LIST Act of 2020	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	
H.R. 5580 Bring ESA Into the 21st Century Act	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	
H.R. 5588 WHOLE Act of 2020	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	
H.R. 5585 Listing Reform Act	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	
H.R. 5591 Critical Habitat Improvement Act	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	
H.R. 5594 EMPOWERS Act of 2020	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	
H.R. 5595 Israel Anti-Boycott Act	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	
H.R. 5601 Property Rights Protection Act of 2020	To protect private property rights, and for other purposes.	Introduced by Rep. Ralph Norman (R-SC) – January 14, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<u>H.Res. 797</u> <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>	<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>	
<u>H.R. 5598</u> <u>Boundary Waters Wilderness Protection and Pollution Prevention Act</u>	<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>	
<u>H.R. 5606</u> <u>Desert National Wildlife Refuge and Nevada Test and Training Range Withdrawal and Management Act</u>	<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>	
<u>H.R. 5615</u> <u>TREES Act</u>	<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
S. 3208 Regulatory Accountability Act	To improve agency rulemaking, and for other purposes.	Introduced by Sen. Rob Portman (R-OH) – January 16, 2020	
H.R. 5638 American Sovereignty and Species Protection Act	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	
S. 3211 Clean Water Allotment Modernization Act	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	
H.R. 5628 Clean Water Allotment Modernization Act	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	
H.R. 5636 Transparency in Energy Production Act of 2020	To provide for the accurate reporting of fossil fuel extraction and emissions by entities with leases on public land, and for other purposes.	Introduced by Rep. Alan Lowenthal (D-CA) – January 16, 2020 Subcommittee on Energy and Mineral Resources hearing – January 28, 2020	
H.R.5650 Federal Energy and Water Management Performance Act of 2020	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	
H.R.5653 Green Federal Fleet Act	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
S. 3221 Farm System Reform Act of 2019	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	
H. Res. 835 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	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	
H.R. 5832 SHORE Act	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	
S. 3274 Decentralized Wastewater Grant Act of 2020	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
<u>H.Con.Res. 89</u> <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>	<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>	
<u>S.3288</u> <u>PUBLIC Lands Act</u>	<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>	
<u>H.R. 5856</u> <u>Decentralized Wastewater Grant Act of 2020</u>	<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>	
<u>H.R. 5868</u> <u>RELIEF ACT</u>	<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>	
<u>H.R. 5902</u> <u>Plastics Act of 2020</u>	<p>To establish a microplastics pilot program, and for other purposes.</p>	<p>Introduced by Rep. Brian Mast (R-FL) – February 14, 2020</p>	
<u>H.R.5986</u> <u>Environmental Justice For All Act</u>	<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
<u>H.R.6000</u> <u>To reauthorize a pilot program to evaluate the effectiveness of certain water-related feasibility studies carried out by non-Federal interests.</u>	<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>	
<u>H.R.6112</u> <u>Oil and Water Don't Mix Act of 2020</u>	<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>	
<u>H.R.6113</u> <u>ARPA-H2O Act of 2020</u>	<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>	
<u>S.3418</u> <u>STORM Act</u>	<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>	
<u>H.R.6185</u> <u>Save Our Springs Act of 2020</u>	<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>	
<u>S. 3422</u> <u>Great American Outdoors Act</u>	<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><u>S.Res.537</u> <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></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><u>H.R.6169</u> <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></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
<u>S.3480</u> <u>PFAS Testing and Treatment Act of 2020</u>	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	
<u>H.R.6422</u> <u>National Infrastructure Bank Act of 2020</u>	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	
<u>H.R.6552</u> <u>Emergency Water is a Human Right Act</u>	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	
<u>H.R.6617</u> <u>Western Water Storage Infrastructure Act</u>	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	
<u>H.R.6631</u> <u>Essential Worker Protection Act of 2020</u>	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	
<u>S.3591</u> <u>America's Water Infrastructure Act of 2020</u>	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	
<u>S.3621</u> <u>Made in America Water Infrastructure Act of 2020</u>	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	
<u>H.R.6745</u> <u>Clean Water for All Act</u>	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	

LEGISLATION	SUMMARY	STATUS	POSITION
<u>H.R.6898</u> <u>IMAGINE Act</u>	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	
<u>H.R.6922</u> <u>BASE Protection Act</u>	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	
<u>S. 3811</u> <u>Restoration of Essential Conveyance Act</u>	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	
<u>H.R.7092</u> <u>Great American Outdoors Act</u>	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	
<u>H.R.7095</u> <u>INVEST in America Act</u>	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	
<u>H.R.2</u> <u>Moving Forward Act</u>	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	
<u>H.R.7231</u> <u>Infrastructure Bank for America Act of 2020</u>	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	

LEGISLATION	SUMMARY	STATUS	POSITION
H.R.7243 Identifying PFAS at Water Infrastructure Sites Act	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	
H.R.7280 To amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain wastewater management subsidies	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	
S. 4049 National Defense Authorization Act for Fiscal Year 2021	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	
S.4188 Waters for Tomorrow Act	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	
S.4189 Water for Conservation and Farming Act	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	

LEGISLATION	SUMMARY	STATUS	POSITION
<p><u>S.4206</u> <u>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.</u></p>	<p>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.</p>	<p>Introduced by Sen. Jeff Merkley (D-OR) – July 2, 2020</p>	
<p><u>H.R.7575</u> <u>Water Resources Development Act of 2020</u></p>	<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>	

LEGISLATION	SUMMARY	STATUS	POSITION
<u>H.R.7608</u> <u>State, Foreign Operations, Agriculture, Rural Development, Interior, Environment, Military Construction, and Veterans Affairs Appropriations Act, 2021</u>	Making appropriations for the Department of State, foreign operations, and related programs for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Nita Lowery (D-NY) – July 13, 2020 Passed in the House, Received in the Senate – July 30, 2020	
<u>H.R.7610</u> <u>Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2021</u>	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.	Introduced by Rep. Sanford Bishop (D-GA) – July 13, 2020	
<u>H.R.7612</u> <u>Department of the Interior, Environment, and Related Agencies Appropriations Act, 2021</u>	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	
<u>H.R.7613</u> <u>Energy and Water Development and Related Agencies Appropriations Act, 2021</u>	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	

LEGISLATION	SUMMARY	STATUS	POSITION
S. 4336 RESILIENT Act	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	
S.4352 Border Water Quality Restoration and Protection Act of 2020	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	
S.4362 Emergency Water and Energy is a Human Right Act	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	
S.4401 Environmental Justice For All Act	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	
S.4402 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	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.	Introduced by Sen. John Cornyn (R-TX) – August 3, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<u>S.4431</u> <u>Emergency Wildfire and Public Safety Act of 2020</u>	<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>	
<u>H.R.7991</u> <u>Border Water Quality Restoration and Protection Act of 2020</u>	<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>	
<u>H.R.8166</u> <u>Western Water Storage Infrastructure Act</u>	<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>	
<u>H.R.8217</u> <u>WIFIA Improvement Act of 2020</u>	<p>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.</p>	<p>Introduced by Rep. John Garamendi (D-CA) – September 11, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<p>H.R.8292 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</p>	<p><i>Text is not yet available.</i></p>	<p>Introduced by Rep. Eric Crawford (R-AR) – September 17, 2020</p>	
<p><u>H.R.8337 Continuing Appropriations Act, 2021 and Other Extensions Act</u></p>	<p>Making continuing appropriations for fiscal year 2021, and for other purposes.</p>	<p>Introduced by Rep. Nita Lowey (D-NY) – September 22, 2020</p> <p>Passed in the House; Cloture motion on the measure presented in Senate – September 24, 2020</p>	
<p>S.4664 A bill to amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain waste water management subsidies</p>	<p><i>Text is not yet available.</i></p>	<p>Introduced by Sen. Kirsten Gillibrand (D-NY) – September 23, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<p>S.Res.714 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</p>	<p><i>Text is not yet available.</i></p>	<p>Introduced by Sen. Tammy Duckworth (D-IL) – September 23, 2020</p>	

COVID-19 RELIEF LEGISLATION

LEGISLATION	SUMMARY	STATUS	POSITION
<u>H.R.6074</u> <u>Coronavirus Preparedness and Response Supplemental Appropriations Act, 2020</u>	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	
<u>S.3415</u> <u>Paid Sick Days for Public Health Emergencies and Personal and Family Care Act</u>	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	
<u>H.R.6201</u> <u>Families First Coronavirus Response Act</u>	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	
<u>H.R.6198</u> <u>Emergency Paid Leave Act of 2020</u>	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	
<u>H.R.6150</u> <u>Paid Sick Days for Public Health Emergencies and Personal and Family Care Act</u>	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
<u>H.R.6220</u> <u>Emergency Family and Medical Leave Expansion Act</u>	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	
<u>S.3476</u> <u>Coronavirus Worker Relief Act</u>	To provide for unemployment benefits to workers affected by the 2019 Novel Coronavirus.	Introduced by Sen. Gary Peters (D-MI) - March 12, 2020	
<u>S.3548</u> <u>CARES Act</u>	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	
<u>H.R.6321</u> <u>Financial Protections and Assistance for America's Consumers, States, Businesses, and Vulnerable Populations Act</u>	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	
<u>H.R.6328</u> <u>Emergency Relief for State, Territorial and Local Governments Act of 2020</u>	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
<u>H.R.6379</u> <u>Take Responsibility for Workers and Families Act</u>	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	
<u>H.R. 6361</u> <u>Relief for Small Businesses and Nonprofits Act</u>	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	
<u>S.3584</u> <u>COVID-19 Workers First Protection Act of 2020</u>	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	
<u>H.R. 6402</u> <u>COVID-19 Workforce Emergency Response Act</u>	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	
<u>H.R.748</u> <u>CARES Act</u>	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
<u>H.R.6410</u> <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>	<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>	
<u>H.R.6423</u> <u>To provide for a temporary debt collection moratorium during the COVID-19 emergency period, and for other purposes.</u>	<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>	
<u>H.R.6431</u> <u>Made in America Emergency Preparedness Act</u>	<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>	
<u>H.R.6472</u> <u>COVID-19 Price Gouging Prevention Act</u>	<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
<u>H.R.6460</u> <u>To provide funding for needed child and adult care so that essential workers can report to work during the COVID-19 pandemic.</u>	<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>	
<u>H.R.6525</u> <u>Reopen America Act of 2020</u>	<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>	
<u>H.R. 6552</u> <u>Emergency Water is Human Right Act</u>	<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>	
<u>H.R.6559</u> <u>COVID-19 Every Worker Protection Act of 2020</u>	<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>	
<u>H.R. 266</u> <u>Paycheck Protection Program and Health Care Enhancement Act</u>	<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>	
<u>H.R. 6631</u> <u>Essential Worker Protection Act of 2020</u>	<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
H.R.6652 Flexibility for Localities and Eligibility Expansion Act of 2020	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	
H.R. 6653 MASKS ON Act	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	
H.R.6699 Opportunities for Heroes Act of 2020	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	
H.R.6705 Coronavirus State and Local Financial Assistance Act	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	
S.3627 Medical Supply Transparency and Delivery Act	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	
S.3671 State & Local Emergency Stabilization Fund Act of 2020	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	
H.R. 6748 Direct Support for Communities Act	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
<u>H.R.6760</u> <u>Fair Housing Further Enforcement Emergency Act of 2020</u>	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	
<u>S.3672</u> <u>Pandemic TANF Assistance Act</u>	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	
<u>S.3682</u> <u>A bill to provide States, Tribal governments, and local governments with spending discretion for part of their Coronavirus Relief Fund payment</u>	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	
<u>S.3685</u> <u>Emergency Rental Assistance and Rental Market Stabilization Act of 2020</u>	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	
<u>H.R.6800</u> <u>The Heroes Act</u>	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
<u>H.R.6820</u> <u>Emergency Rental Assistance and Rental Market Stabilization Act of 2020</u>	<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>	
<u>S.3728</u> <u>Critical Infrastructure Employee Protection Act of 2020</u>	<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>	
<u>S.3767</u> <u>SMART Act</u>	<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>	
<u>H.R.6918</u> <u>Paycheck Recovery Act of 2020</u>	<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>	
<u>H.R.6954</u> <u>SMART Act</u>	<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>	
<u>S.3830</u> <u>United States Pandemic Relief Bonds Act of 2020</u>	<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
S.3833 Paycheck Protection Program Extension Act	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	
H.R. 6973 PPE Act	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	
H.R.6981 PPP DEAL Act	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	
H.R.7010 Paycheck Protection Program Flexibility Act of 2020	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	
H.R.7065 To require States to certify a process for distributing Coronavirus Relief Funds to local governments	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
<u>H.R.7073</u> <u>Special Districts</u> <u>Provide Essential</u> <u>Services Act</u>	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>
<u>H.R.7090</u> <u>Coronavirus County</u> <u>Relief and Stability</u> <u>Act</u>	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	
<u>H.R.7094</u> <u>Flexibility for States</u> <u>and Localities Act</u>	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	
<u>S.4125</u> <u>Paycheck Protection</u> <u>Program Extension</u> <u>and Modification</u> <u>Act of 2020</u>	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	
<u>H.R.7985</u> <u>Emergency</u> <u>Assistance for Rural</u> <u>Water Systems Act</u>	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
<p>H.R.8266 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</p>	<p><i>Text is not yet available.</i></p>	<p>Introduced by Rep. Peter DeFazio (D-OR) – September 16, 2020</p>	
<p>S.4633 A bill to provide for assistance to rural water, wastewater, and waste disposal systems affected by the COVID-19 pandemic, and for other purposes</p>	<p><i>Text is not yet available.</i></p>	<p>Introduced by Sen. Jeanne Shaheen (D-NH) – September 21, 2020</p>	

October 5, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject : Pure Water Demonstration Facility: Operational Support

SUMMARY:

Carollo Engineering was the design team for the Pure Water Demonstration Facility and has provided the JPA with effective start-up and operational support. The designated operational support concluded on September 11, 2020, which coincided with the ribbon-cutting/grand opening of the facility. At this time, staff recommends a professional services agreement with Carollo Engineers, Inc., to allow them to continue providing operational support to the JPA for the Pure Water Demonstration Facility.

Following is a summary of four primary areas of work that are directly related to the future operations of the demonstration facility:

1. On-call operational support on the technical tasks that are new to JPA staff and outside of the daily logging and operation of the equipment.
2. Completion of a final report for the \$300,000 U.S. Bureau of Reclamation grant, which will require incorporation of current operational and water quality data.
3. Implementation of a final test plan and challenge testing for the demonstration treatment equipment to maximize the performance of the processes. The challenge testing results will provide useful operational and research data for the Jacob Engineering team to complete the preliminary design of the full-scale advanced water treatment facility.
4. Participation in specific technical support and collaboration meetings with the JPA's new Owner's Adviser, Jacobs Engineering Group.

These four tasks are a high priority for the JPA in operating the Pure Water Demonstration Facility and to support the success of the Pure Water Project Las Virgenes-Triunfo. The Carollo Engineers team has an in-depth knowledge of the demonstration facility and can provide immediate support for the four tasks without the need for a prolonged learning curve. Staff recommends executing a professional services agreement with Carollo Engineers to ensure the effective and continued operation of the Pure Water Demonstration Facility.

RECOMMENDATION(S):

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.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The cost of the work is \$228,208. Sufficient funds are available in the adopted Fiscal Year 2020-21 JPA Budget for the work. No additional appropriation is required. The cost of the work is allocated 70.6% to LVMWD and 29.4% to Triunfo Water & Sanitation District.

DISCUSSION:

The Pure Water Demonstration Facility has been in operation for the past three months and has met water quality standards to allow for tasting. However, there are quite a few additional operational items and tasks that remain. Staff recommends a professional services agreement with Carollo Engineers to continue to aid and assist JPA staff with the more complex operational aspects of the demonstration facility, troubleshooting, technical problems and fine tuning of the chemical systems.

Staff recommends that Carollo complete the U.S. Bureau of Reclamation final report to complete the \$300,000 grant process. Carollo will analyze the current water quality and operational data and ensure that the project has meet all requirements for the grant and complete the final report.

One of the main scope items for the professional services agreement is to complete the overall testing plan for the demonstration facility. The work consists of challenge testing for both ultrafiltration and reverse osmosis systems to ensure proper operation, and ability to meet or exceed the log removal requirements for the systems. In addition, the work will include an array of data analyses from multiple lab samples to ensure operating and research data that are useful for the preliminary design of the full-scale advanced water treatment facility. Carollo will complete a final analysis of all data collected and work completed to prepare a comprehensive report for JPA staff and the Jacobs Engineering team.

The last scope item for the agreement is for additional technical support and the necessary meetings for the Owner's Adviser team related to the demonstration facility design, operational characteristics and overall operation. The intimate knowledge of the Carollo team will be valuable for both JPA staff and the Jacobs team.

Overall, this is exciting work going forward, and staff is confident in the Carollo team's ability to meet and exceed the JPA's expectations moving into the next phase of operations of the Pure Water Demonstration Facility.

Prepared by: Darrell Johnson, Water Systems Manager

ATTACHMENTS:

Carollo Proposal



September 22~~4~~, 2020

Darrell Johnson
 Las Virgenes Municipal Water District
 4232 Las Virgenes Road
 Calabasas, CA 91302

Subject: Letter Proposal to Provide Professional Engineering Services -
 Pure Water Demonstration Test Plan and Operations Support

Dear Darrell:

The scope of services below is intended to provide support related to the Las Virgenes Municipal Water District-Triunfo JPA (JPA) Pure Water Demonstration (Demo). This work will be led by Andy Salvesson and Amos Branch, with support from several other engineers at Carollo.

1.0 SCOPE OF SERVICES

1.1 Overview

This scope covers services related to the JPA Demo, with four Tasks:

- Task 1 – Operations Support
- Task 2 – USBR Reporting
- Task 3 – Test Plan Implementation
- Task 4 – Meetings and Management

The schedule for this work depends upon the task, with Task 1 spanning 6 to 9 months of time (see below), but the remaining aspects of the project spanning 12 months of time.

1.2 Task 1 – Operations Support

Project Task	Work Items	Major Accomplishments	Project Goals			Carollo Hours Breakdown			
			USBR Grant	MWD Grant	Other	Hours per Week	Months of Support	Total Hours	Carollo Staff
Operations Support	Daily Support	Well maintained demo			general project support	5	6	130	Amos Branch Only
	Membrane Performance Analysis	Develop the optimized operational conditions for MF, UF, and RO systems	X	X		NA	9	39	Amos Branch and process experts
	Bi-Weekly Operational Meetings	Unity of purpose	X	X		NA	6	33	Andy and Amos

Task 1 includes the following elements of work, focused almost entirely upon the use of Amos Branch to support Demo Operations Staff (including Steve and Burt):

- Daily support via phone, text, email, and video chat. We assume a total of 5 hours per week of support spanning 6 months of time for Amos Branch only.
- Evaluation of membrane data sets for optimized performance (flux, recovery, CIP, etc).

Phone: 925.932.1710
 Cell: 925-788-9857
carollo.com

- Bi-Weekly (*twice monthly*) operations staff meetings, 1-hour meetings with some preparation time. These meetings will span 6 months of time. Attendance at these meetings will include Amos Branch, Andy Salvesson, and JPA staff. These meetings will be used for a variety of purposes, including:
 - Looking back at the prior two-week’s performance
 - Looking forward to the upcoming two-week’s operation
 - Changing operational setpoints for the Demo
 - Reviewing water quality results
 - Troubleshooting

1.3 Task 2 – USBR Reporting

			Project Goals			Carollo Hours Breakdown			
Project Task	Work Items	Major Accomplishments	USBR Grant	MWD Grant	Other	Hours per Week	Months of Support	Total Hours	Carollo Staff
USBR Reporting	Quarterly Reporting	Three quarterly reports detailing the process performance, the process optimization (& design) criteria, and the water quality	X			NA	NA	204	Range of technical staff
	Draft (2) and Final (1) Report	2 Draft and 1 Final Report	X			NA	NA	160	Range of technical staff
	Presentation to JPA (first) and USBR (second)	Demonstration of project value to USBR	anticipated			Optional Task			
			Project Goals			Carollo Hours Breakdown			
Project Task	Work Items	Major Accomplishments	USBR Grant	MWD Grant	Other	Hours per Week	Months of Support	Total Hours	Carollo Staff
USBR Reporting	Draft (2) and Final (1) Report	Demonstration of AWWP performance	X			NA	NA	108	Range of technical staff
	Presentation to JPA (first) and USBR (second)	Demonstration of project value to USBR	anticipated			Optional Task			

Task 2 focuses upon USBR reporting requirements necessary to fulfill the JPA’s grant responsibilities (USBR Grant R17AP00067). Broadly speaking, these responsibilities include:

1. Construct the demonstration facility
2. Test the microfiltration, reverse osmosis, ultraviolet disinfection, and advanced oxidation components
3. “Define the complete process train”
4. Address disinfection byproduct formation
5. Establish design criteria
6. Develop data that will be used to support regulatory approval
7. Complete a Final Research Report

While the broader Test Plan addresses a number of the items above in detail, existing information (process performance, water quality) is sufficient to fulfill the grant requirements.

As such, the Task 2 scope of work is:

- Compile the following information:
 - Overview of the system (mostly graphical/photo)
 - Membrane Flux and Recovery (brief summary)
 - Online monitoring system performance (brief summary)

Commented [AS1]: Link to be removed in the Final Proposal:

[PureWaterProjectGrantAgree.pdf](#)

- Existing water quality data pertaining to effluent quality and disinfection byproducts (the pure water tasting results)
- Development of Draft and Final Research Reports. These reports will include the core materials listed above as well as supplemental information developed by the JPA.
 - Assuming one Preliminary Draft to JPA, one Draft to USBR, and the Final to USBR

Optional Task (not included in the current budget)

- Presentation of Results to USBR
 - Assuming one draft presentation to the JPA
 - Assuming one presentation to USBR

1.4 Task 3 – Test Plan Implementation

Project Task	Work Items	Major Accomplishments	USBR Grant	MWD Grant	Other	Hours per Week	Months of Support	Total Hours	Carollo Staff
Test Plan Implementation	Sampling and Analysis Support	Uniform sampling program	X		regulatory support	1.5	9	59	Andy and Amos
	Water Quality Testing	PMMoV Analysis		X		NA	9	18	Andy Only
	RO Challenge Studies	Proof of RO pathogen removal performance and optimization of surrogates	X	X	Regulatory Support	NA	NA	92	Andy and Amos
	Concentrate Scaling Testing	Preliminary evaluation of scaling potential of Brine	X		general project support	Optional Task			
	UV AOP Challenge Studies	Refinement of UV AOP dose and resulting DBP formation and destruction	X		regulatory support	NA	NA	88	Andy and Amos
	Product Water Stabilization	Preliminary evaluation of stabilization of RO permeate	X		general project support	no work scheduled, requires discussion with Jacobs			
	Data Compilation and Reporting	included in prior tasks							
			Project Goals			Carollo Hours Breakdown			
Project Task	Work Items	Major Accomplishments	USBR Grant	MWD Grant	Other	Hours per Week	Months of Support	Total Hours	Carollo Staff
Test Plan Implementation	Sampling and Analysis Support	Uniform sampling program			regulatory support	1.5	9	59	Andy and Amos
	Water Quality Testing	PMMoV Analysis		X		NA	9	18	Andy Only
	RO Challenge Studies	Proof of RO pathogen removal performance and optimization of surrogates		X	Regulatory Support	NA	NA	92	Andy and Amos
	Concentrate Scaling Testing	Preliminary evaluation of scaling potential of Brine			general project support	Optional Task			
	UV AOP Challenge Studies	Refinement of UV AOP dose and resulting DBP formation and destruction			regulatory support	NA	NA	88	Andy and Amos
	Product Water Stabilization	Preliminary evaluation of stabilization of RO permeate			general project support	no work scheduled, requires discussion with Jacobs			
	Data Compilation and Reporting	Detailed data and process efficiency evaluation			general project support	NA	NA	200	Range of technical staff

Subtask 3.1 Sampling and Analysis Support.

Water quality testing includes pathogens, chemical pollutants, calibration testing for online monitors, RO concentrate toxicity, and other efforts. Sampling is weekly, bi-weekly, monthly, and quarterly. Sampling is to be done by JPA staff. However, some time is allocated here for initial sampling efforts that may be challenging or different than prior work by JPA staff. This level of effort is sufficient for Carollo staff to participate in several sampling efforts with JPA. Sampling and analysis support is anticipated to cover 9 months of sampling efforts.

1) Carollo will:

- a. On a weekly basis, Carollo will review laboratory data and recommend sampling adjustments and comment on QA/QC, if needed.
- b. Make process control adjustments remotely where possible and as needed (and agreed upon with JPA staff)
- c. Limited field support in the event of novel sampling methods (e.g., for pathogens)

2) JPA staff will:

- a. Perform daily equipment inspections, fill out run sheets, and perform equipment calibration and repair.
- b. Share necessary information on daily process inspections and monitoring system calibration (digitizing of "c" below supports this task)
- c. Digital log of daily equipment inspections into an excel sheet, ideally onto a Share Drive.
- d. Be responsible for all sampling, including laboratory coordination.
- e. Be responsible for tracking and inputting all laboratory data into a JPA spreadsheet database
- f. Share all obtained data with Carollo on a weekly basis.
- g. Directly cover the costs of laboratory work, unless specifically noted herein.

Subtask 3.2 Water Quality Testing

This subtask is the sampling (by Carollo) and analytical efforts associated with Pepper mild mottle virus (PMMoV), which is a component of the MWD grant and part of the Artificial Intelligence investigations. The number of samples are detailed in the Test Plan, but adjusted to one sample per month (for 9 months) to reduce cost, and amount to 45 samples over 9 months of testing. Carollo will grab and ship these particular samples as part of the project effort.

Subtask 3.3 RO Challenge Studies

The goal of this testing is to identify the optimum parameters for log reduction credits for the RO system, including analysis of MS2 bacteriophage (MS2), PMMoV (prior task), electrical conductivity (EC), total organic carbon (TOC), sulfate, sucralose, and strontium. The importance of this item is highlighted by the latest log removal value (LRV) for EC and TOC, at values of ~1.7 and 1.8, respectively. Higher LRVs have been documented at other sites using strontium (Pure Water San Diego) and sulfate (Perth Australia), documenting up to 3 LRV across RO. Novel testing with PMMoV is another method to increase RO LRV credits, which is included in the water quality testing in Task 3.2. No testing of a fluorescent dye (e.g., Trasar) is planned at

this time. Baseline RO performance for various surrogates would be developed over the entire test period, whereas damaged RO challenge testing would occur over a three-day period. Challenge testing may include seeded MS2 testing, depending upon the ongoing results with PMMoV.

Costs for MS2 seeding into the RO system, as well as MS2 analytical costs, are included within this Carollo budget. Analytical chemistry work is not included in this budget.

Subtask 3.4 Concentrate Scaling Testing

Optional Task (not included in the current budget)

Concentrate scaling testing, as documented in the Test Plan, is the first step in understanding if the RO concentrate presents a potential scaling problem after discharge. RO feed water would be sent to the American Water Chemicals (AWC) for scaling potential analysis (after they concentrate it). Sampling will be done by JPA staff. The cost for AWC to perform the testing and analytical work is estimated at \$35,000 and is included in this budget. Technical support and analysis by Carollo is included in this task.

Commented [AS2]: Waiting for final cost confirmation on this number

Avista, the supplier of the anti-scalant for the Demo, has volunteered to provide an RO membrane autopsy free of charge. Should that occur, Carollo has allocated a few hours to review and comment upon the autopsy.

Depending upon the results from AWC, there may be a need for additional bench-top analysis, which is not detailed here. Testing would monitor over time if residual anti-scalants remain active by placing a fixed volume of brine on the benchtop and monitoring it daily for turbidity, particle size distribution, and pH. Adjust pH of samples and add additional anti-scalant to determine the impact of chemical addition on brine stability.

Subtask 3.5 UV AOP Challenge Studies

The goal of this testing is to document 6-log reduction of virus, NDMA destruction to below CA requirements, disinfection byproduct formation (e.g., BDCM and DBCM) and a minimum of 0.5 log reduction of 1,4-dioxane. Testing to all include CEC analysis. All sampling related to this task is included in the project budget. Microbiological costs associated with the challenge studies would be part of the broader laboratory contract with either WECK or Eurofins. We recommend that either laboratory have the work subcontracted to GAP Analytical out of Canada.

Costs for aspergillus seeding into the UV system, as well as aspergillus analytical costs, are included within this Carollo budget. Analytical chemistry work is not included in this budget

Subtask 3.6 Product Water Stabilization

No product water stabilization testing or analysis is currently planned, noting that engineering decisions regarding the type of stabilization chemicals and the length and type of transport pipeline materials must first be determined. At that point, depending upon the direction from the JPA, scope and budget can be added for stabilization testing.

Subtask 3.7 Data Evaluation and Reporting

Carollo will evaluate the broad performance dataset and summarize into two Draft and one Final Report. Data evaluation includes:

- MF and UF flux and CIP optimization
- RO Recovery and Stage optimization
- Chemical feed system dosing and performance
- UV AOP performance
- Challenge study results
- Online monitoring system performance
- Water quality across the treatment train.

1.5 Task 4 – Meetings and Management

Project Task	Work Items	Major Accomplishments	Project Goals			Carollo Hours Breakdown			Carollo Staff
			USBR Grant	MWD Grant	Other	Hours per Week	Months of Support	Total Hours	
Meetings and Management	Monthly billing and progress reports	Maintain schedule and budget			general project support	NA	12	28	Amos Branch
	Monthly meetings with project team	Collaboration and unified strategy on AWPf			general project support	NA	12	100	Range of technical staff

Carollo will monitor project progress, prepare and submit monthly invoice and progress reports, and attend meetings, spanning 12 months of support.

Carollo recommends monthly meetings to look back and look ahead, with each meeting lasting 60 to 90 minutes. Attendance at those meetings would include Carollo, JPA engineering staff, JPA operations staff and the Program Management Team (Jacobs). The monthly meetings will be ideal places to talk through process and monitoring challenges, water quality concerns, and new ideas brought forward based upon the evolution of the broader Pure Water project. Meetings can be in person or via MS Teams, with no cost difference between the two as Carollo management can be at the site in a short amount of time.

40 hours of time is allocated for Carollo process experts to meet with Jacobs experts as needed in these meetings.

BUDGET

The budget table below results in \$228,208 of services over 12 months of time. There are two Optional Tasks listed in the table below, which could be added into the overall project if requested by the JPA.

Commented [AS3]: [Test Plan and Ops Support V2.xlsx](#)

Pure Water Demonstration Test Plan and Operations Support
 September 21, 2020
 Page 8

TASK NO.	TASK DESCRIPTION	Senior Management	Lead Project Engineer	Process Experts	Graphics/Doc Proc	Total hours	Total Labor	Direct Costs	PECE	Total
TASK 1 - Operations Support										
1.1	Daily and Weekly Process Support	0	130	0	0	130	\$ 23,530	-	\$ 1,560	\$ 25,090
1.2	Membrane Performance Analysis	3	18	18	0	39	\$ 8,910	-	\$ 468	\$ 9,378
1.3	Weekly Operations Meetings	6.5	26	0	0	32.5	\$ 6,695	-	\$ 390	\$ 7,085
TASK 2 - USBR Reporting										
2.1	Quarterly Reporting	24	160	20	0	204	\$ 41,564	-	\$ 2,448	\$ 44,012
2.2	Draft and Final Reporting	24	80	16	40	160	\$ 30,832	-	\$ 1,920	\$ 32,752
2.3	Presentation of Materials to USBR									
Optional Task, budget shown below										
TASK 3 - Test Plan Implementation										
3.1	Sampling Support	19.5	39	0	0	58.5	\$ 13,026	-	\$ 702	\$ 13,728
3.2	Water Quality Testing	18	0	0	0	18	\$ 5,508	\$ 13,140	\$ 216	\$ 18,864
3.3	RO Challenge Studies	16	64	12	0	92	\$ 19,636	\$ 7,575	\$ 1,104	\$ 28,315
3.4	Concentrate Scaling Testing									
Optional Task, budget shown below										
3.5	UV AOP Challenge Studies	16	60	12	0	88	\$ 18,912	\$ 9,840	\$ 1,056	\$ 29,808
3.6	Product Water Stabilization									
No work scheduled, requires discussion with Jacobs team										
3.7	Data Compilation and Reporting (work effort included in prior tasks)									
work effort included in prior tasks										
TASK 4 - Site Visit										
4.1	Meetings	24	36	40	0	100	\$ 24,380		\$ 1,200	\$ 25,580
4.2	Project Management	4	24	0	0	28	\$ 5,568		\$ 336	\$ 5,904
		TOTAL HOURS	155	637	118	40	950			
		TOTAL COST	\$ 47,430	\$ 115,297	\$ 31,034	\$ 4,800	\$ 186,561	\$ 30,555	\$ 11,400	\$ 240,616
Optional Tasks										
2.3	Presentation of Materials to USBR	12	24	8	12	56	\$ 11,560	-	\$ 672	\$ 12,232
3.4	Concentrate Scaling Testing	1	4	16	0	21	\$ 5,238	\$ 35,000	\$ 252	\$ 40,490
TASK 1 - Operations Support										
1.1	Daily and Weekly Process Support	0	130	0	0	130	\$ 23,530	-	\$ 1,560	\$ 25,090
1.2	Membrane Performance Analysis	3	18	18	0	39	\$ 8,910	-	\$ 468	\$ 9,378
1.3	Weekly Operations Meetings	6.5	26	0	0	32.5	\$ 6,695	-	\$ 390	\$ 7,085
TASK 2 - USBR Reporting										
2.1	Data Compilation	8	16	8	0	32	\$ 7,448	-	\$ 384	\$ 7,832
2.2	Draft and Final Reporting	12	40	8	16	76	\$ 14,936	-	\$ 912	\$ 15,848
2.3	Presentation of Materials to USBR									
Optional Task, budget shown below										
TASK 3 - Test Plan Implementation										
3.1	Sampling Support	19.5	39	0	0	58.5	\$ 13,026	-	\$ 702	\$ 13,728
3.2	Water Quality Testing	18	0	0	0	18	\$ 5,508	\$ 13,140	\$ 216	\$ 18,864
3.3	RO Challenge Studies	16	64	12	0	92	\$ 19,636	\$ 7,575	\$ 1,104	\$ 28,315
3.4	Concentrate Scaling Testing									
Optional Task, budget shown below										
3.5	UV AOP Challenge Studies	16	60	12	0	88	\$ 18,912	\$ 9,840	\$ 1,056	\$ 29,808
3.6	Product Water Stabilization									
No work scheduled, requires discussion with Jacobs team										
3.7	Data Compilation and Reporting	16	140	20	24	200	\$ 38,376	-	\$ 2,400	\$ 40,776
TASK 4 - Site Visit										
4.1	Meetings	24	36	40	0	100	\$ 24,380		\$ 1,200	\$ 25,580
4.2	Project Management	4	24	0	0	28	\$ 5,568		\$ 336	\$ 5,904
		TOTAL HOURS	143	593	118	40	894			
		TOTAL COST	\$ 43,758	\$ 107,333	\$ 31,034	\$ 4,800	\$ 186,925	\$ 30,555	\$ 10,728	\$ 228,208
Optional Tasks										
2.3	Presentation of Materials to USBR	12	24	8	12	56	\$ 11,560	-	\$ 672	\$ 12,232
3.4	Concentrate Scaling Testing	1	4	16	0	21	\$ 5,238	\$ 35,000	\$ 252	\$ 40,490

Thank You,

CAROLLO ENGINEERS, P.C.

CAROLLO ENGINEERS, P.C.



Lydia Holmes, P.E.
Vice President



Andrew Salveson, P.E.
Water Reuse Practice Director

October 5, 2020 JPA Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

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

SUMMARY:

TerraVerde Energy, LLC (TerraVerde) has provided effective consulting services to the Las Virgenes-Triunfo Joint Powers Authority (JPA) for work related to the expansion of the Solar Energy Generation Facility and construction of the Rancho Solar Generation Project Phase II. In June 2020, the JPA Board authorized a professional services agreement with TerraVerde Energy to evaluate the feasibility of new solar photovoltaic and battery energy storage projects that could further reduce the demand and cost of operations at multiple District and JPA facilities, while also providing some level of energy resiliency during Public Safety Power Shutoff (PSPS) events and other grid outages. TerraVerde completed a financial analysis of potential additional energy cost-saving improvements. These energy cost-saving improvements include the potential installation of net-metered photovoltaic solar and battery energy storage systems (BESS) at multiple District- and JPA-owned facilities.

At the Board meeting, Kevin Ross with TerraVerde will present a financial analysis of the project options, which include multi-site battery energy storage system (BESS) opportunities, showing the costs and benefits of the various project options. Based on a review of the analysis, staff recommends that the JPA proceed with the next steps in the project development process, which includes preparation of a request for proposals to obtain competitive pricing for implementation of the most cost-effective options.

Staff recommends authorization to retain TerraVerde to assist the JPA with preparation of a request for proposals, evaluation of the proposals received, scoping of final project and negotiations with the recommended service provider. Also, staff recommends taking advantage of available State Self-Generation Incentive Program (SGIP) funding.

RECOMMENDATION(S):

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 issuance of a Request for Proposals for the Multi-Site Battery Energy Storage System Project.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The total cost of the recommended consulting services is \$82,874, which consists of \$28,625 for LVMWD-only facilities and \$57,250 for JPA facilities. Staff is recommending that the JPA Board approve its share of the consulting services separately. As a result, the cost of this action is \$57,250. Sufficient funds are available in the adopted Fiscal Year 2020-2021 JPA Budget for the project. The cost of the JPA-share of the work will be allocated 70.6% to LVMWD and 29.4% to Triunfo Water & Sanitation District.

DISCUSSION:

In June 2020, TerraVerde Energy was retained to evaluate the feasibility of adding new solar photovoltaic and battery energy storage improvements at multiple facilities that could further reduce the demand and cost of electricity for both the District and JPA operations, while also providing some level of energy resiliency during PSPS events and other grid outages.

TerraVerde completed its District- and JPA-wide analysis and presented the results of the study to staff. TerraVerde developed two groups of potential improvements that are projected to benefit the District and JPA by reducing energy consumption, demand and SCE bills, while also providing an estimated level of backup power duration): Group 1: Solar Photovoltaic Systems with Integrated Battery Energy Storage, and Group 2: Standalone Battery Energy Storage.

Each group is made up of both JPA and LVMWD facilities. At the JPA's request, TerraVerde has updated the financial summary to separate the improvements to reflect LVMWD-only and JPA facilities separately.

Calculating the financial benefit of renewable energy and energy storage projects involves a complex analysis of many inter-related factors including the following:

- Electrical demand and energy consumption profiles;
- Southern California Edison Rate Tariffs: Projects that can avoid/mitigate high-cost "time-of-use" periods and rate components, and/or can take advantage of available net energy metering (NEM) tariffs that benefit customers who generate their own on-site power;
- California Public Utility Commission (CPUC) Self-Generation Incentive Program (SGIP): Available rebates for installing energy storage technologies at critical-need facilities. These storage technologies include battery energy storage systems that can function during PSPS events and other power outages; and
- Facility size, location, and available area for installation of battery systems and photovoltaic solar panels.

TerraVerde developed a detailed financial analysis for presentation to the Board. Additionally, TerraVerde provided a proposal, including a prorated JPA-portion, in the amount of \$57,250, to support the JPA in moving forward with the next stage of project development for the

recommended battery energy storage system (BESS) project. The scope of work includes developing project specifications and a request for proposals (RFP), circulating the RFP, analyzing the submitted proposals, negotiating vendor contract terms and assisting staff to prepare a recommendation for JPA Board consideration.

Prepared by: Doug Anders, Administrative Services Coordinator

ATTACHMENTS:

TerraVerde Proposal



September 25, 2020

John Zhao
Director of Facilities & Operations
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302

Re: Proposal for Professional Consulting Services – Battery Energy Storage Projects RFP Process and Vendor Contracts Negotiations

Dear John,

Per your request, TerraVerde is pleased to offer the following proposal for technical consulting services associated with the next stage of battery energy storage systems (BESS) project development for LVMWD and the Las Virgenes Triunfo Joint Powers Authority (JPA) (see Appendix A for the proposed projects/sites). Specifically, development of project specifications and RFP package, assistance with running the RFP process, proposal evaluations, vendor selection, contract negotiations, and SGIP application submittal process for proposed projects selected from the Group 1 and Group 2 projects identified in the recent feasibility assessment process (see Appendix A).

Scope of Consulting

The proposed scope of work includes:

- A. RFP package development and oversight of RFP process for LVMWD and the JPA
 1. Gather all data and documents relevant for inclusion in the RFP package.
 2. Create RFP: specifications, project(s) baseline calculations, instructions, forms, template contracts, SGIP rules compliance for system(s) design & sizing, incentive application submittal requirements.
 3. Review draft RFP package with District/JPA staff and with District's Legal Counsel as needed. Incorporate all required changes into the final draft package.
 4. Distribute the RFP package to qualified vendors.
 5. Run RFP process, respond to all respondent's questions, create/distribute addendums as applicable, and manage vendor communications.
 6. Evaluate proposals (qualitative & quantitative analysis and scoring process) and provide a summary report with conclusions to the District/JPA staff.
 7. Assist the District in conducting interviews as needed.
 8. Present proposal evaluation findings to the District/JPA staff (powerpoint presentation).
 9. Assist with vendor selection and communication to all RFP participants.
 10. Confirm vendor's projected savings calculations for all projects (or project portfolio) selected for further consideration (implementation plan).

- B. Contract(s) negotiations for selected projects
1. Assist District/JPA staff and District’s legal Counsel with EPC or 3rd party ownership contracts negotiation (including value engineering as applicable).
 2. Manage vendor communications during negotiations.
 3. Assist with Board presentation for contract(s) approval as needed.
 4. Assist with preparation of applicable Gov Code 4217 Resolution(s) and Exhibit A: Estimated Energy Savings Calculations.

Note: Scope of work and estimated level of effort assume contract negotiations with a single vendor for multiple projects or groups of projects (i.e.: possible separate projects for LVMWD and JPA) to achieve economies of scale benefits for LVMWD and the JPA.

- C. Oversee SGIP applications submittal process for BESS projects, including tracking of status changes, timelines, and conditional reservations for incentives, and advise District/JPA staff.
1. Assist with negotiation and administration of MOU (Memo of Understanding) terms/conditions for battery systems Provider’s SGIP application submittal process as needed.
 2. Track SGIP budget funding availability & status and advise District/JPA staff.
 3. Oversee SGIP application submittals (by battery systems Provider) for all BESS projects.
 4. Track SGIP applications status and advise District staff.

Fee Proposal

The not to exceed (NTE) fixed fee price for the scope of work described above is based on TerraVerde’s level of effort estimate (and includes the ACWA member discount): **\$82,875.00**

Expenses associated with the project are estimated to be \$3,000. and will be billed separately at cost.

Billing will be based on achieving defined project milestones and deliverables as described below.

<u>Description of Billing Milestones & Deliverables</u>	<u>Phase/Task</u>	<u>% of Proposal</u>
Deliver draft RFP package for District’s review	Phs A, Task 2	15%
Release RFP package to market	Phs A, Task 4	25%
Deliver & present proposals evaluation findings report	Phs A, Task 8	25%
Initiate vendor contract negotiations	Phs B, Task 1	15%
Board approval of vendor contract	Phs B, Task 4	20%
Total:		100%

Note: Follow-on tasks associated with project development and implementation management services are not included in this proposal but are available upon request. These “owner’s rep” consulting services may include:

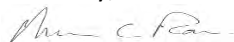
- A. Project development activities in support of implementation planning, and pre-design activities:
- Initial interconnection assessments

- review of site logistics (including entitlements and restrictions) and facilities rqmts with District staff and provide guidance to vendor(s) for equipment locations and proposed facilitation
 - Oversight of interconnection applications process (vendor prepares and submits IA's, TerraVerde reviews and approves prior to submittal)
- B. Project Management services in support of installation and commissioning:
- Manage communication with contractor(s), weekly project status meetings
 - Manage project schedule
 - Manage contractor(s) RFIs and Submittals
 - Manage compliance to technical specifications, work plans, and contract(s) terms
 - Oversee contractor pre-design activities and site preparations work
 - Oversee systems design/engineering review and approval process
 - Oversee SCE Interconnection(s) process
 - Manage construction process and equipment installations
 - Manage Cost Reimbursements as applicable
 - Oversee battery/microgrid programming
 - Oversee DAC and Monitoring system setup and operation
 - Oversee Utility signoff and issuance of PTO(s)
 - Oversee systems commissioning, testing, start-up and COD
 - Manage systems performance validation
 - Oversee project close-out process
 - Perform TOU rate optimization analysis
 - Perform updated projected savings analysis using as-built conditions
 - Oversee SGIP refund processing and initial incentive funding payout
- C. Post-commissioning Asset Management Services

As LVMWD and the JPA are aware, TerraVerde is the leading independent renewable energy and energy storage consulting firm focused exclusively on California public agencies and is highly experienced in providing the complex feasibility analysis and owner's rep services required to properly evaluate and implement solar energy and energy storage projects.

We trust the District/JPA will find our industry leading experience, analytical capabilities, knowledge of energy storage and microgrid systems, SCE rate tariffs, energy project management capabilities to be an excellent fit for the procurement phase of the District's/JPA's proposed battery energy storage projects. If you have any questions, please feel free to contact me.

Sincerely,



Kevin Ross, VP Business Development

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Appendix A: Proposed Projects

<u>Site Name</u>	<u>LVMWD</u>	<u>JPA</u>	<u>Project Group</u>	<u>Description</u>
Tapia TP		x	2	Standalone BESS
Recycled Water Remote PS		x	2	BESS integrated with existing 1MW solar PV
Composting Facility		x	1	NEM Solar PV + BESS
Warner Pump Station	x		2	Standalone BESS
Westlake PS	x		1	NEM Solar PV (no BESS)
Westlake FP	x		1	NEM-A acct for Westlake PS solar project
HQ Main Meter (Bldg 8)	x		1	NEM Solar PV + BESS
HQ Bldg 7	x		1	NEM-A acct for HQ Main Meter solar prj
HQ HVAC (Bldg 7)	x		1	NEM-A acct for HQ Main Meter solar prj
HQ Chiller (Bldg 8)	x		1	NEM-A acct for HQ Main Meter solar prj
RLV Farm	x		1	NEM-A acct for Composting Facility solar prj
Lift Station #1	x		2	Standalone BESS
Agoura Booster Station	x		2	Standalone BESS

October 5, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Engineering and External Affairs

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

SUMMARY:

On August 3, 2020, the JPA Board authorized a call for bids for the Tapia Sodium Hypochlorite Tank and Piping Replacement Project. The scope of work generally consists of replacing three sodium hypochlorite tanks with four smaller tanks to be placed in the existing chemical storage buildings. Four bids were received and publicly opened for the project. Staff evaluated the bids and determined that the lowest responsive bid was submitted by James C. Cushman, Inc., in the amount of \$489,140, which is 19.3% below the Engineer's Estimate of \$606,272. Staff recommends award of a construction contract to James C. Cushman, Inc.

RECOMMENDATION(S):

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.

FISCAL IMPACT:

Yes

ITEM BUDGETED:

Yes

FINANCIAL IMPACT:

The adopted Fiscal Year 2020-21 JPA Budget included a carry-forward appropriation of \$193,200 for this work. The budget was established prior to the design and scoping of the project, which was more extensive than originally anticipated. An additional appropriation, in the amount of \$534,793.80, is required to award the construction contract, allow for a 10% contingency and cover the estimated general and administrative costs of the project. The need for an additional appropriation was anticipated and previously reported to the JPA Board on August 3, 2020. The cost of the project is allocated 70.6% to LVMWD and 29.4%

to Triunfo Water and Sanitation District.

DISCUSSION:

On August 3, 2020, the JPA Board authorized a call for bids for the Tapia Sodium Hypochlorite Tank and Piping Replacement Project. The scope of work generally consists of replacing three sodium hypochlorite tanks with four smaller tanks to be placed in the existing chemical storage buildings. By downsizing the tanks, installation can occur without demolition of the storage buildings containment walls; however, a fourth tank is needed to maintain the same overall storage volume. Piping replacement, electrical equipment, structural work, instrumentation and programming associated with the tanks are also specified in the scope of work.

Pacific Advanced Engineering, Inc. (PACE) is the engineering firm working on the project. PACE completed design plans for the project and will continue to support the JPA through construction. Replacement of the chemical storage tanks has become an urgent maintenance matter and operational concern due to the deteriorating condition of the existing tanks. The sodium hypochlorite solution stored in the tanks is essential for providing adequate disinfection of the wastewater as part of the treatment process.

JPA staff held a mandatory pre-bid meeting on August 27, 2020, which was attended by 10 contractors. Four responsive bids were received with James C. Cushman, Inc. (Cushman) submitting the lowest responsive bid. Cushman’s bid is 19.3% below the Engineer’s Estimate of \$606,272. The two lowest bids were provided by equally capable construction companies and separated by a margin of only \$3,360. After a thorough review of the submitted bids, staff recommends awarding a construction contract to Cushman.

The following table summarizes the bid results:

Bidder	Bid Total	Percentage Below/Above Engineer’s Estimate
James C. Cushman Inc.	\$489,140.00	19.3% below
GSE Construction Company, Inc.	\$492,500.00	18.8% below
United Engineering & Construction, Inc.	\$574,000.00	5.3% below
Pacific Hydrotech Corp.	\$606,400.00	0.2% above

The following table summarizes the anticipated costs and requested appropriation:

Description	Cost
<u>Professional Services:</u>	
Design, Bidding, Construction Support	\$33,415.00
<u>Construction:</u>	
Construction Award	\$489,140.00
Construction Contingency (10%)	\$48,914.00
<u>Administrative:</u>	
District Labor (12%)	\$58,696.80
G&A (20%)	\$97,828.00
Total Project Cost	\$727,993.80

Existing Appropriation	\$193,200.00
Total Project Cost less existing appropriation	<u>\$534,793.80</u>

An additional appropriation, in the amount of \$534,793.80, is required to provide sufficient funding for construction and administrative costs of the project.

Prepared by: Veronica Hurtado, Assistant Engineer

INFORMATION ONLY

October 5, 2020 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject : Pure Water Project Las Virgenes-Triunfo: Role of Las Virgenes Reservoir

SUMMARY:

On August 8, 2020, Director Lynda Lo-Hill requested a future LVMWD agenda item for information related to the management of water quality at Las Virgenes Reservoir. At the same time, Director Lo-Hill also suggested that an informational item be brought to the JPA Board describing the role of Las Virgenes Reservoir for the Pure Water Project Las Virgenes-Triunfo.

To minimize overall costs, the Pure Water Project Las Virgenes-Triunfo is proposed to rely on utilization of existing recycled water and potable water transmission, distribution and storage infrastructure. The existing recycled water transmission facilities would deliver recycled water to the proposed Advanced Water Treatment Facility (AWTF), and purified water would be stored in Las Virgenes Reservoir during the winter and spring seasons when demand for water is low. The purified water would assimilate with nature and mix with water already stored in the Las Virgenes Reservoir. During higher water demand seasons in the summer and fall, the Westlake Filtration Plant would draw water from the reservoir and treat it again before delivering the potable water to customers using the existing Westlake Pump Station and potable water transmission and distribution infrastructure. The utilization of existing recycled water and potable water infrastructure will greatly reduce the overall project cost for the full implementation and operation of the Pure Water Project Las Virgenes-Triunfo.

FISCAL IMPACT:

No

ITEM BUDGETED:

No

DISCUSSION:

Las Virgenes Reservoir:

The reservoir was built in 1972 to provide up to a six-month supply of emergency water for the LVMWD service area. Water supplies stored in the reservoir also allow LVMWD to reduce

peak demands, and the associated charges, on Metropolitan Water District of Southern California (MWD). The reservoir has a capacity of approximately 9,600 acre-feet and is located in the western portion of the LVMWD service area. The Westlake Filtration Plant is also located at the reservoir site and has a capacity of 18 MGD using diatomaceous earth as its filter material and sodium hypochlorite as its disinfectant. The treated water is delivered to the Westlake Pump Station located immediately downstream of the main dam. The pump station boosts water pressure to 1,235-foot gradient, which serves the LVMWD potable water backbone system. The LVMWD potable water backbone system then conveys the water to all portions of the service area.

Current Role and Standard Operating Procedure for Las Virgenes Reservoir:

In addition to providing up to a six-month supply of emergency water for LVMWD customers, Las Virgenes Reservoir also serves as a backup water supply when the interconnections between LVMWD and MWD are down for repair or operating at a reduced flowrate for any reason. These scheduled shutdowns or reduced flow conditions normally occur during the winter season and last no more than a few weeks. During the high water demand seasons of summer and fall, the Las Virgenes Reservoir, Westlake Filtration Plant and Westlake Pump Station also collectively provide service for peak demands above a base flow from MWD. The supply of peak flows from Las Virgenes Reservoir enables LVMWD to minimize its MWD peak flow demand surcharge, known as the Capacity Reserve Charge (CRC). The average historical annual supply from Las Virgenes Reservoir is approximately 1,500 acre-feet during the high demand season of summer and fall. The reservoir is typically replenished during the winter and spring seasons using imported water purchased from MWD to minimize CRC.

Future Role of Las Virgenes Reservoir for Pure Water Project Las Virgenes-Triunfo:

Two of the most important objectives of the Pure Water Project Las Virgenes-Triunfo are to comply with the Tapia NPDES Permit discharge requirements and provide an additional source of local water supply for the region. Both of these objectives require a large water storage facility to provide the necessary dilution requirements established by State's Surface Water Augmentation Regulations. The large water storage facility is also needed to provide a cushion and storage space for the purified water from the Advanced Water Treatment Facility to bridge the seasonal imbalance of supply and demand.

The ability of Las Virgenes Reservoir to support a 100:1 dilution ratio for the purified water will substantially reduce the cost of the treatment process. Based on a 100:1 dilution ratio, the log-removal treatment requirement based on the adopted regulations will be 12/10/10 for viruses, giardia and cryptosporidium, respectively. For comparison purposes, a lower 10:1 dilution ratio would result in a log-removal treatment requirement of 14/12/12 for viruses, giardia and cryptosporidium, respectively, which would be significantly more expensive. The dilution requirements are only applicable when discharging purified water to the reservoir and simultaneously drawing water from the reservoir as a supply source. This scenario would occur when the reservoir's water supply is needed during scheduled MWD interconnection shutdowns during winter or spring seasons or when the Pure Water Project Las Virgenes-Triunfo has achieved the goal of operating year-round.

The large capacity of Las Virgenes Reservoir will also provide a storage cushion for purified water, bridging an imbalance of treating surplus recycled water in the winter and spring seasons and providing for peak water demands during the summer and fall. The design

capacity of the Advanced Water Treatment Facility will be approximately 4,000 acre-feet per year, matching the annual supply of surplus recycled water. The required available reservoir storage space should also be at least 4,000 acre-feet annually. This process requires greater use of the Westlake Filtration Plant, Westlake Pump Station, and backbone transmission and distribution infrastructure to treat and deliver a minimum of 4,000 acre-feet of reservoir water annually during the summer and fall seasons to make space for additional purified water during the winter and spring.

Although the standard operating procedures for Las Virgenes Reservoir may vary significantly with the Pure Water Project Las Virgenes-Triunfo, the ability of the reservoir to provide a large capacity of storage, while achieving the 100:1 dilution ratio enables the proposed AWTF the maximum flexibility to transition from its initial seasonal operation to the final goal of achieving year-round operation.

Prepared by: John Zhao, P.E., Director of Facilities and Operations