

EXHIBIT "A"

MINUTES OF REGULAR MEETING – May 24, 2021

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President Reinhart on May 24, 2021, via teleconference pursuant to the provisions of the Governor's Executive Orders N-25-20 and N-29-20 due to COVID-19. Members of the public did not attend this meeting in person.

Directors Present: LaMar, McLaughlin, Withers, Swan, and Reinhart

Directors Absent: None.

Also Present: Acting General Manager Weghorst, Executive Director of Technical Services Burton, Executive Director of Operations Chambers, Executive Director of Finance and Administration Clary, Director of Treasury and Risk Management Jacobson, Director of Water Quality and Regulatory Compliance Colston, Director of Recycling Operations Zepeda, Director of Information Services Malone, Director of Water Resources Sanchez, Director of Maintenance Mykitta, Director of Human Resources Mitcham, Government Relations Officer/Deputy General Counsel Compton, Secretary Bonkowski, General Counsel Collins, other staff, and public.

WRITTEN AND ORAL COMMUNICATIONS: None.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED: None.

CONSENT CALENDAR

Director Swan asked that Item No. 6, POLICY REVISIONS AND ADDITIONS RELATED TO DISTRICT APPROVALS, AUTHORIZATIONS, AND PROCEDURES, be moved to the Action Calendar. There being no objection, this item was moved accordingly. On MOTION by Swan, seconded by McLaughlin and unanimously carried by a roll call vote (5-0) McLaughlin, Swan, Withers, LaMar and Reinhart voting aye, and 0 noes ITEMS 3 THROUGH 5 WERE APPROVED AS FOLLOWS:

3. BOARD MEETING MINUTES

Recommendation: That the minutes of the May 10, 2021 and May 17, 2021 Regular Board meetings be approved as presented.

4. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Karen McLaughlin, and John Withers, as described.

5. TREASURY REPORT

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Summary of Fixed and Variable Rate Debt, and Disclosure Report of Reimbursements to Board Members and staff, approve the April 2021 Summary of Payroll ACH payments in the total amount of \$2,136,010, and approve the April 2021 Accounts Payable Disbursement Summary of Warrants 416897 through 417884, Workers' Compensation Distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$22,136,818.

ACTION CALENDAR

POLICY REVISIONS AND ADDITIONS RELATED TO DISTRICT APPROVALS, AUTHORIZATIONS, AND PROCEDURES

Director Swan asked that language be added to the policy under Section 6 to reflect that prior to a legal representative casting a vote in a called election for a specific landowner district, a recommendation on how the District's vote(s) are to be cast shall be brought to and approved by the Supply Reliability Programs Committee. There being no further discussion, on MOTION by Swan, seconded by McLaughlin and unanimously carried by a roll call vote (5-0) McLaughlin, Swan, Withers, LaMar and Reinhart voting aye, and 0 noes, THE BOARD ADOPTED THE FOLLOWING RESOLUTION BY TITLE AND APPROVED AMENDING LANGUAGE TO SECTION NO. 6 TO ALSO REFLECT THAT A RECOMMENDATION ON HOW THE DISTRICT'S VOTE(S) ARE TO BE CAST SHALL BE BROUGHT TO AND APPROVED BY THE SUPPLY RELIABILITY PROGRAMS COMMITTEE:

RESOLUTION NO. 2021 –8

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH
WATER DISTRICT, SUPERSEDING RESOLUTION NO. 2020-1 AND
ADOPTING A REVISED REAL PROPERTY POLICY

HARVARD AVENUE TRUNK SEWER DIVERSION STRUCTURE REHABILITATION AND MWRP PRIMARY CLARIFIERS CHANNEL LINING BUDGET INCREASE AND CONSTRUCTION AWARD

Executive Director of Technical Services Burton reported that the Harvard Avenue Trunk Sewer (HATS) Diversion Structure is an approximately 20-foot-deep manhole located on Main Street west of the intersection with Harvard Avenue. Mr. Burton said that in 2018, a visual inspection was completed of the interior of the structure and identified the structure lining to be compromised. The inspection recommended that the existing liner be fully replaced, and the underlying concrete be rehabilitated.

Mr. Burton said that during the design of the current project to replace the aluminum covers at the MWRP Primary Clarifiers, the lining of the influent and effluent channels was inspected and observed to be in poor condition and in need of full replacement; the existing lining was installed in 1996. He said that this work to replace the channels' lining was added to the HATS project scope since it was similar in nature, i.e., bypassing flow and relining structures.

Work at the HATS Diversion Structure will include removal of the existing liner, repair of all spalled concrete, relining the structure, and replacing both slide gates. To perform this work, an average of 11 million gallons per day (MGD) of flow will be bypass pumped around the HATS structure to OC SAN for approximately seven weeks. In addition to rehabilitating the HATS Diversion Structure, the nearby Bypass Manhole and Junction Structure located at the intersection of Main Street and Harvard Avenue will be relined as well.

Mr. Burton said that the project was advertised to a select bidders list of 18 mechanical and pipeline contractors on April 6, 2021. The bid opening occurred on May 6, 2021 with two bids received from Pacific Hydrotech Corporation and Vido Artukovich & Son, Inc./Vidmar Inc., a Joint Venture. Pacific Hydrotech was the apparent low bidder with a bid of \$1,827,750. The

bids ranged from 19% higher to 65% higher than the engineer's estimate of \$1,530,000. The discrepancy between the bids and the engineer's estimate can be attributed to an underestimate of the amount of effort that will be required for the temporary bypass pumping system as well as the relining of the influent and effluent channels of the Primary Clarifiers. The overall complexity of the project and reduced competition for the bid due to the high volume of current construction work also likely contributed to the discrepancy between the bids and the engineer's estimate. Pacific Hydrotech has extensive experience with mechanical rehabilitation projects and is well qualified to construct the improvements.

Following Director Swan's inquiry about possibly directing flows to IRWD's MWRP vs. OCSD, Mr. Burton said that staff had reviewed other possibilities, and that OCSD was the best option. In response to his further inquiry on the District's impacts on CORF payments during this project, Engineering Manager Akiyoshi said that he will provide CORF estimates for his review. There being no further discussion, on MOTION by Withers, seconded by Swan and unanimously carried by a roll call vote (5-0) McLaughlin, Swan, Withers, LaMar and Reinhart voting aye, and 0 noes, THE BOARD AUTHORIZED A BUDGET INCREASE FOR PROJECT 11122 IN THE AMOUNT OF \$2,155,000, FROM \$707,000 TO \$2,862,000, AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH PACIFIC HYDROTECH CORPORATION IN THE AMOUNT OF \$1,827,750 FOR THE HARVARD AVENUE TRUNK SEWER DIVERSION STRUCTURE REHABILITATION AND MICHELSON WATER RECYCLING PLANT PRIMARY CLARIFIERS CHANNEL LINING, PROJECT 11122.

IRWD WELL ET-1 PFAS TREATMENT SYSTEM DESIGN CONSULTANT SELECTION AND SETTLEMENT AGREEMENT AMENDMENT

Using a PowerPoint presentation, Engineering Manager Mori reported that the District operates and maintains Well ET-1 and its associated volatile organic compounds (VOC) treatment facilities in accordance with the 2001 Settlement Agreement with U.S. Departments of Justice and Navy. Using a map, he identified its location on Irvine Center Drive adjacent to the Oak Creek Golf Club and across the street from Irvine Valley College. Using a chart, he showed that water from Well ET-1 is treated through air stripping, and the off-gas from the air strippers is delivered to a vapor phase granular-activated carbon (GAC) treatment system where the VOCs are removed. The treated water is then delivered into the recycled water distribution system.

Mr. Mori said that in the summer 2018, elevated levels of PFAS compounds were detected in the well. While the existing treatment system is capable of effectively removing VOCs from the water, it is unable to remove PFAS compounds. In early 2019, staff began delivering the treated water to the Peters Canyon Channel rather than continuing to deliver it to the recycled water distribution system.

Mr. Mori said that in late 2020, staff contracted with Tetra Tech to identify and evaluate various treatment systems that would be capable of effectively removing both PFAS and VOC compounds from the well. Mr. Mori said that the evaluation included analysis of existing water quality parameters, finished water quality goals, pretreatment requirements, evaluation of media selection options including GAC and ion exchange, and the impact to the overall site and other existing facilities based on the recommended treatment system. He said that the evaluation concluded with a recommendation to replace the existing air stripper and vapor phase GAC treatment systems with a liquid phase GAC treatment system, which would effectively remove both VOCs and PFAS compounds.

Mr. Mori said that in parallel with the Tetra Tech evaluation identified above, staff authorized Jacobs Engineering Group to conduct bench-scale treatability testing of various adsorbent products capable of effectively removing PFAS compounds. He said that the bench testing program consisted of a series of rapid small-scale column tests for each of the adsorbent products, which can simulate months to years of full-scale operations in a relatively short period of time. He said that this reduces the time for testing, the amount of water required, and the waste produced. He further said that at the completion of the testing program, anticipated for late May 2021, Jacobs will recommend a preferred adsorbent that will be incorporated into the final design of the proposed treatment facilities for Well ET-1.

Mr. Mori said that per the 2001 Settlement Agreement, IRWD maintains a \$20,000,000 pollution insurance policy to reasonably cover risks associated with the facilities included in the 2001 Settlement Agreement. He said that in December 2018, staff submitted a claim to the insurance carrier to cover the cost associated with implementing modifications to the well for PFAS treatment. The insurance carrier recently accepted the claim, so all costs above the \$250,000 deductible associated with the design, construction, and implementation of PFAS treatment facilities at Well ET-1 will be reimbursed by the insurance carrier.

Mr. Mori said that staff requested a proposal from Tetra Tech for engineering design services for the proposed treatment system at Well ET-1. He said that in addition to being the design engineer for the existing treatment system at Well ET-1, Tetra Tech has extensive knowledge of the existing site, has performed several recent similar PFAS treatment improvement projects for OCWD and other local agencies, and is best suited to quickly and efficiently progress the design effort.

Mr. Mori said that in accordance with the Settlement Agreement, Well ET-1 can be removed from service no more than two months per year. Mr. Mori said that since construction of the proposed treatment system will take longer than two months, a fifth amendment to the Settlement Agreement is required. He said that the fifth amendment will allow for the temporary shutdown of Well ET-1 and the existing treatment system for up to 18 months while construction is underway. Staff anticipates the construction duration to be approximately 10 months, which is well within the time allowed for by the amendment. The DON and DOJ have reviewed the amendment and are in the process of executing it. OCWD has also reviewed the amendment and approved it.

Director Withers said that this item was reviewed by the Engineering and Operations Committee on May 18, 2021. Following discussion, on MOTION by Withers, seconded by Swan and unanimously carried by a roll call vote (5-0) McLaughlin, Swan, Withers, LaMar and Reinhart voting aye, and 0 noes, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH TETRA TECH IN THE AMOUNT OF \$316,300 FOR ENGINEERING DESIGN SERVICES AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE FIFTH AMENDMENT TO THE SETTLEMENT AGREEMENT FOR THE MARINE CORPS AIR STATION EL TORO GROUNDWATER REMEDIATION PROJECT FOR THE WELL ET-1 PFAS TREATMENT SYSTEM, PROJECT 11171.

GENERAL MANAGER’S REPORT

Acting General Manager Weghorst reported that recently, under the urgent necessity clause, the District procured the services of Paulus Engineering to make repairs to an 8-inch asbestos cement recycled water pipeline at Toledo Way in Lake Forest. Mr. Weghorst said that the pipeline project was completed at a cost of \$408,154. He said that staff worked closely with the City of Irvine and the City of Lake Forest to ensure roadway restoration requirements were met and repairs were completed in a timely manner. He further thanked Dave Crowe and his crews for their efforts.

COMMUNITY UPDATES

Consultant Newell said that it was quiet in the canyon, and that he is working with staff relative to the four-hour shutdown on June 22.

DIRECTORS’ COMMENTS

Director Swan reported on his attendance at the ACWA 2021 Spring Virtual conference, a MWDOC Administration and Finance Committee meeting, a Board meeting, and Government Affairs Committee meeting, and a Newport Chamber of Commerce meeting, and that tomorrow he will be attending a Southern California Dialogue meeting.

Director McLaughlin reported on her attendance at an IRWD introduction to the Irvine Company, and a Water UCI Colloquium series meeting.

Director Withers reported that he attended an NWRI Board meeting, an ACWA spring conference, and an OCWA Industry Insight presentation.

Director LaMar reported on his attendance at ACWA meetings.

Director Reinhart reported on his attendance at the ACWA 2021 Spring Virtual conference and an OCWD Board meeting.

ADJOURNMENT

President Reinhart adjourned the meeting at 6:01 p.m.

APPROVED and SIGNED this 14th day of June 2021.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Claire Hervey Collins, General Counsel
Hanson Bridgett LLP