

MINUTES OF THE REGULAR MEETING OF THE
BOARD OF DIRECTORS OF
VISTA IRRIGATION DISTRICT

October 7, 2020

A Regular Meeting of the Board of Directors of Vista Irrigation District was held on Wednesday, October 7, 2020 at the offices of the District, 1391 Engineer Street, Vista, California.

1. CALL TO ORDER

President Vásquez called the meeting to order at 9:00 a.m.

2. ROLL CALL

Directors present: Miller, Vásquez, Dorey, Sanchez, and MacKenzie.

Directors absent: None.

Staff present: Brett Hodgkiss, General Manager; Ramae Ogilvie, Assistant Secretary of the Board; Don Smith, Director of Water Resources; Randy Whitmann, Director of Engineering; Frank Wolinski, Director of Operations and Field Services; Marlene Kelleher, Director of Administration; Farrokh Shahamiri, Finance Associate; and Shallako Goodrick, Finance Supervisor. Staff present by teleconference were Lisa Soto, Secretary of the Board and Greg Keppler, Engineering Project Manager. General Council Dave Cosgrove also joined the meeting via teleconference at 9:50 a.m.

Other attendees: None.

3. PLEDGE OF ALLEGIANCE

Director Miller led the pledge of allegiance.

4. APPROVAL OF AGENDA

20-10-84	<i>Upon motion by Director MacKenzie, seconded by Director Miller and unanimously carried (5 ayes: Miller, Dorey, Sanchez, MacKenzie, and Vásquez), the Board of Directors approved the agenda as presented.</i>
----------	--

5. ORAL COMMUNICATIONS

No public comments were presented on items not appearing on the agenda.

6. CONSENT CALENDAR

Director of Operations and Field Services Frank Wolinski provided clarification regarding agenda Item 6.B stating that the truck being replaced is a 2001, and it will be sent to auction; he noted that the toolboxes and crane, which will be left on the truck, are all very old and not salvageable.

20-10-85 *Upon motion by Director MacKenzie, seconded by Director Dorey and unanimously carried (5 ayes: Miller, Dorey, Sanchez, MacKenzie, and Vásquez), the Board of Directors approved the Consent Calendar, including Resolution No. 20-27 approving disbursements.*

A. Acceptance of water system

See staff report attached hereto. Staff recommended and the Board accepted the water system for a 24-lot residential subdivision consisting of approximately 14.17 gross acres owned by Lone Oak 24, LP, located at Lone Oak Drive, Vista (I-3079; TM 5585 RPL1; LN 2017-038; APNs 184-081-01 through -25, -27, -28, -29; DIV NO 5).

B. District vehicle purchase

See staff report attached hereto. Staff recommended and the Board authorized the purchase of a 2021 F-650 Ford truck from Downtown Ford Sales in the amount of \$60,605.38.

C. Minutes of the Fiscal Policy Committee meeting on September 15, 2020

The Board noted and filed the minutes of the September 15, 2020 meeting of the Fiscal Policy Committee, which were provided for informational purposes.

D. Minutes of Board of Directors meeting on September 16, 2020

The minutes of September 16, 2020 were approved as presented.

E. Resolution ratifying check disbursements

RESOLUTION NO. 20-27

BE IT RESOLVED, that the Board of Directors of Vista Irrigation District does hereby approve checks numbered 65184 through 65356 drawn on Union Bank totaling \$1,346,533.10.

FURTHER RESOLVED that the Board of Directors does hereby authorize the execution of the checks by the appropriate officers of the District.

PASSED AND ADOPTED unanimously by a roll call vote of the Board of Directors of Vista Irrigation District this 7th day of October 2020.

7. DISTRICT FEES AND CHARGES OTHER THAN WATER RATES

See staff report attached hereto.

General Manager Brett Hodgkiss stated that the District reviews its fees and charges other than water rates each year to ensure that they accurately reflect the actual cost of providing services. Based on the results of staff's review, the District's fees and charges need to be revised to properly account for changes in the cost of parts/materials, labor and outside services. He added that the proposed changes are due to inflationary factors and updated results of analysis of the costs that make up each fee. Mr. Hodgkiss further noted that the average individual fee increase is approximately one percent.

Mr. Hodgkiss reviewed some of the noteworthy proposed changes, stating that the change to the Fire Hydrant Upgrade fee was primarily due to an increase in the cost of parts associated with the upgrade. He also reviewed the Fire Service Connection fees noting that lower paving costs and the elimination of soil compaction test costs contributed to the decreases in these fees.

Mr. Hodgkiss reviewed Engineering Fees, pointing out the three new fees for Encroachment Permits, Joint Use Agreements and Exchange Meter Agreements. He explained that these fees are proposed to ensure that the cost of these services are borne solely by the requestor of these services.

Mr. Hodgkiss reviewed the Customer Service and Water Conservation fees noting that the increase to the damaged curb stop fees are due to an increase in the cost of parts. He stated that the most commonly charged Customer Service Fee, the Late Payment fee, is not changing. Mr. Hodgkiss stated that due to the state moratorium on water shut-offs for non-payment related to the COVID-19 pandemic (pandemic), Late Payment fees are not being assessed.

Mr. Hodgkiss stated that the adoption of the fees and charges would increase the District's annual fee revenue by approximately \$15,000 if the number and type of transactions remained similar to past years. However, due to the economic impacts of the pandemic, it is not expected that the number and type of transactions will remain constant; therefore, it is anticipated that annual fee revenues will not increase in Fiscal Year 2021.

Director MacKenzie pondered whether the level of detailed study devoted by staff to the fees and charges each year, with this year's study exceeding 300 hours, is worthwhile; she asked if staff has given any thought to conducting the study every other year instead. Mr. Hodgkiss responded that every other year the District expands the study further to include a time and motion study, which can yield significant changes to the fees and charges to properly account for the cost of services. Director Sanchez stated that the Fiscal Policy Committee (Committee) requested that staff include in the Committee report the amount of time that goes into reviewing and updating the fees to demonstrate the level of care taken to assure the fees are accurate and defensible.

President Vásquez opened the Public Hearing at 9:20 a.m. It was noted that there were no members of the public in attendance physically nor via teleconference to comment on this agenda item.

20-10-86 *Upon motion by Director MacKenzie, seconded by Director Dorey and unanimously carried (5 ayes: Miller, Dorey, Sanchez, MacKenzie, and Vásquez), the Board of Directors closed the public hearing at 9:21 a.m.*

20-10-87 *Upon motion by Director Sanchez, seconded by Director Dorey, the Board of Directors adopted Resolution 20-28 revising the Rules and Regulations relative to fees and charges other than water rates, by the following roll call vote:*

AYES: Directors Miller, Dorey, Sanchez, MacKenzie, and Vásquez
NOES: None
ABSTAIN: None
ABSENT: None

A copy of Resolution 20-28 is on file in the official Resolution Book of the District.

Mr. Hodgkiss thanked Director of Administration Marlene Kelleher, Finance Supervisor Shallako Goodrick, Finance Associate Farrokh Shahamiri and other staff involved in reviewing and updating the fees and charges for a job well done. The Board also commended staff for its thoroughness in the preparation of the fees.

8. DIVISION REPORTS

See staff report attached hereto.

Mr. Hodgkiss noted that a slideshow was running on the Boardroom monitors prior to the Board meeting showing the progress being made on the Warner Ranch Ditch Repair Project (WRDRP). He stated Director of Water Resources Don Smith has indicated that the WRDRP is progressing smoothly, and it is possible that the project could be completed by the end of October 2020. Mr. Smith provided the Board with an update on the WRDRP.

Director of Engineering Randy Whitmann updated the Board on the Buena Creek (HB) Reservoir Rehabilitation Project stating that good progress is being made on the project; he expects the project to be completed by early 2021. Mr. Whitmann stated that the yard piping is currently being installed and seismic retrofits are underway. He noted that when the budget was developed the final project design was not yet complete, which accounts for why some of the line items have come in significantly over/under budget. Mr. Whitmann added that once the fencing bids are received staff would be able to assess whether the project would be completed within budget.

Mr. Smith updated the Board regarding a field meeting with City of Escondido (Escondido) staff, consultants and San Pasqual Band representatives to evaluate the suitability of five alternate sites for locating the San Pasqual Undergrounding Project desilting basin. He stated that San Pasqual staff would review the issue with the San Pasqual Business Committee and provide the District and Escondido (Local Entities) preliminary feedback. Mr. Hodgkiss updated the Board on the alternate project proposal that was presented to the San Pasqual Band. He said that based on the San Pasqual Band's response, the Local Entities have decided to abandon the idea of an alternate project and focus their efforts on locating an alternate site for the desilting basin.

9. REQUEST FOR PROPOSAL FOR VISTA FLUME REPLACEMENT ALIGNMENT STUDY

See staff report attached hereto.

Mr. Whitmann stated that for the Board's consideration is a request for proposal for the Vista Flume (Flume) Replacement Alignment Study (Alignment Study). He recalled that with the Flume approaching the end of its useful life, a Water Supply Planning Study (WSPS) was completed and reviewed by the Board in March 2020; the WSPS evaluated whether the Flume should be replaced or retired. The results of the WSPS indicated that replacement of the Flume would be the least costly option for the District. At that time, the Board authorized staff to move forward with planning efforts for the Flume replacement project. Mr. Whitmann stated that the Alignment Study is the next step.

Mr. Whitmann reviewed the pros and cons of the alignment alternatives presented in the WSPS, stating that these are the alternatives that staff believes would be the best fit for the District and would be worthy of further study. He noted that in addition to costs, the Alignment Study would take into consideration permitting, regulatory requirements, engineering and constructability, geology, environmental constraints, etc. Mr. Whitmann reviewed the scope of work as well as the screening approach that will be used to narrow down the number of alternative routes and lead to a preferred alignment.

Mr. Whitmann referred the Board to the list of consultants who will be sent the Request for Proposal. He stated that staff would like to contract with Gillingham Water (Doug Gillingham) and DLM Engineering, Inc. (Don MacFarlane) for assistance in reviewing the submittals that are received and with Helix Environmental for input regarding the environmental impacts and California Environmental Quality Act requirements for the various alignment alternatives.

Mr. Whitmann stated that, if approved, staff would move forward with sending out the RFP to the list of consultants; he noted that the submittal due date will be prior the Thanksgiving holiday. Mr. Whitmann added that a recommendation for selection of a consultant could be ready for consideration by the Board in early 2021. He added that three Board workshops would be conducted as part of the Alignment Study process; similar to the workshops that were conducted for the WSPS, the workshops will cover review of the evaluation criteria, coarse screening, and fine screening/results.

Director Sanchez suggested that the rating panel also give weight to a consultant's experience with obtaining grants and other funding sources when rating qualifications.

20-10-88	<i>Upon motion by Director Miller, seconded by Director MacKenzie and unanimously carried (5 ayes: Miller, Dorey, Sanchez, MacKenzie, and Vásquez), the Board of Directors approved the request for proposal for the Vista Flume Replacement Alignment Study.</i>
----------	---

10. MATTERS PERTAINING TO THE ACTIVITIES OF THE SAN DIEGO COUNTY WATER AUTHORITY

See staff report attached hereto.

Director Miller reported that the election of officers for the San Diego County Water Authority (Water Authority) Board of Directors took place at the September 24, 2020 meeting. Gary Croucher was elected as Chair, Christy Guerin was elected as Vice Chair, and Jerry Butkiewicz was elected as Secretary. Director Miller said there was a lengthy discussion about and two votes regarding whether the Water Authority should support Proposition 16, which will appear on the November 2020 ballot. Proposition 16 asks California voters if they would like to repeal 1996's Proposition 209 and reintroduce affirmative action to the state. The Water Authority Board ultimately declined to take action on the matter, maintaining that it was subject matter outside the Water Authority's purview.

Director Miller stated that he did not have anything new to report regarding the detachment of Rainbow Municipal Water District (Rainbow) and Fallbrook Public Utilities District (Fallbrook) from the Water Authority. He said that a lengthy letter/report was sent by the Water Authority to the San Diego Local Agencies Formation Commission (LAFCO) outlining in detail the ramifications of the proposed detachments.

Director Miller reported that the Water Authority Board adopted an ordinance establishing the Permanent Special Agricultural Water Rate (PSAWR) Program effective January 1, 2021. Existing Transitional Special Agricultural Water Rate (TSAWR) Program participants will be allowed to participate in the PSAWR Program on a temporary basis through June 30, 2021. After said date, existing TSAWR Program participants will be required to meet the new eligibility requirements to participate in the PSAWR Program.

11. MEETINGS AND EVENTS

See staff report attached hereto.

The Board discussed the upcoming virtual Association of California Water Agencies (ACWA) Conference, and all indicated that they would consider whether they would like to let staff know of their decision before November 4, 2020. It was noted that the credits received from the Spring ACWA Conference would expire on December 31, 2020 if not at least partially used; if partially used, the District would be entitled to a refund for the remaining balance. Mr. Hodgkiss stated that if any Director chooses not to attend the virtual conference, he would ask staff if they would like to attend (in the Director's place) so that the credit could be used prior to the end of the calendar year.

Director MacKenzie reported on her attendance at a California Special Districts Association Membership Committee meeting in which the discussion centered on rolling out a new program to get smaller districts to join; the program would target districts with budgets under \$250,000.

Director MacKenzie reported on her attendance at a meeting of LAFCO in which the discussion centered on the Rainbow/Fallbrook detachments. She also reported that the LAFCO Board approved a one-year contract renewal with the Executive Officer that included a two percent increase in salary.

12. ITEMS FOR FUTURE AGENDAS AND/OR PRESS RELEASES

See staff report attached hereto.

Director Sanchez asked about scope of the analysis that will be done for the future agenda items regarding monthly billing and the capital budget. Mr. Hodgkiss said that staff plans to review six months (March 2020 through September 30, 2020) of financial data and update revenue and expense projections as needed. The updated financial outlook will be used to guide the Board's discussion regarding adding items to the Fiscal Year 2021 capital budget.

Mr. Hodgkiss stated staff was planning to address the monthly billing item separate from the capital budget item. He noted that this would involve an analysis of the costs and benefits of moving from bi-monthly to monthly billing. Mr. Hodgkiss stated that staff is gathering information and talking with other agencies that have transitioned from bi-monthly to monthly billing.

13. COMMENTS BY DIRECTORS

Director Sanchez thanked the Human Resources Department, Phil Zamora and Sherry Thorpe specifically, for arranging for flu shots to be administered at the District office.

President Vásquez inquired about the District's recruitment for Engineering Services Manager. Mr. Hodgkiss stated that Matt Atteberry, who was hired for this position from the City of Vista, accepted a new position the City of Vista.

14. COMMENTS BY GENERAL COUNSEL

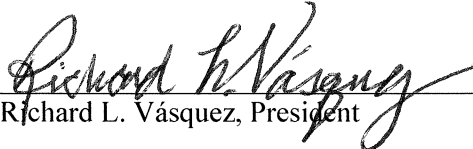
Mr. Cosgrove updated the Board on current relevant legal proceedings and legislation including recent amendments to the Brown Act concerning serial meetings and the use of social media by members of a legislative body.

15. COMMENTS BY GENERAL MANAGER

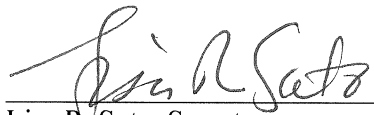
None were presented.

16. ADJOURNMENT

There being no further business to come before the Board, at 10:23 a.m. President Vásquez adjourned the meeting to October 21, 2020 at 9:00 a.m.


Richard L. Vásquez, President

ATTEST:



Lisa R. Soto, Secretary
Board of Directors

VISTA IRRIGATION DISTRICT



STAFF REPORT

Agenda Item: 6.A

Board Meeting Date:	October 7, 2020
Prepared By:	Jeanette Bradshaw
Reviewed By:	Randy Whitmann
Approved By:	Brett Hodgkiss

SUBJECT: ACCEPTANCE OF WATER SYSTEM

RECOMMENDATION: Accept this water system for a 24-lot residential subdivision consisting of approximately 14.17 gross acres owned by Lone Oak 24, LP, located at Lone Oak Drive, Vista (I-3079; TM 5585 RPL1; LN 2017-038; APNs 184-081-01 through -25, -27, -28, -29; DIV NO 5).

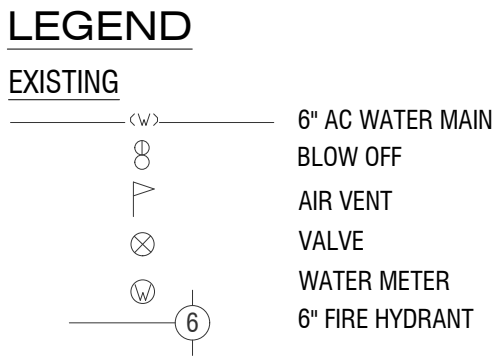
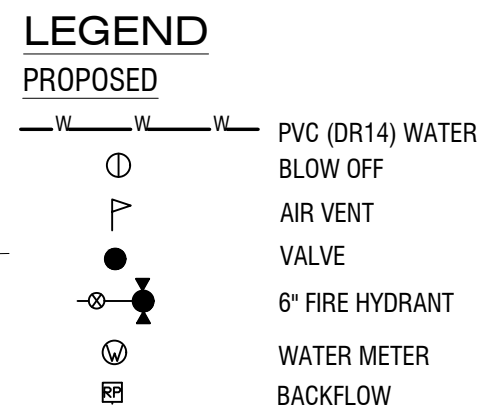
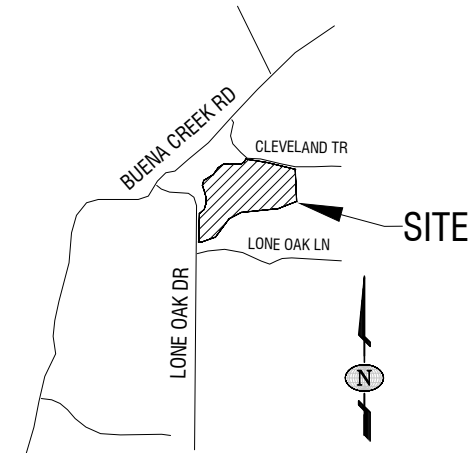
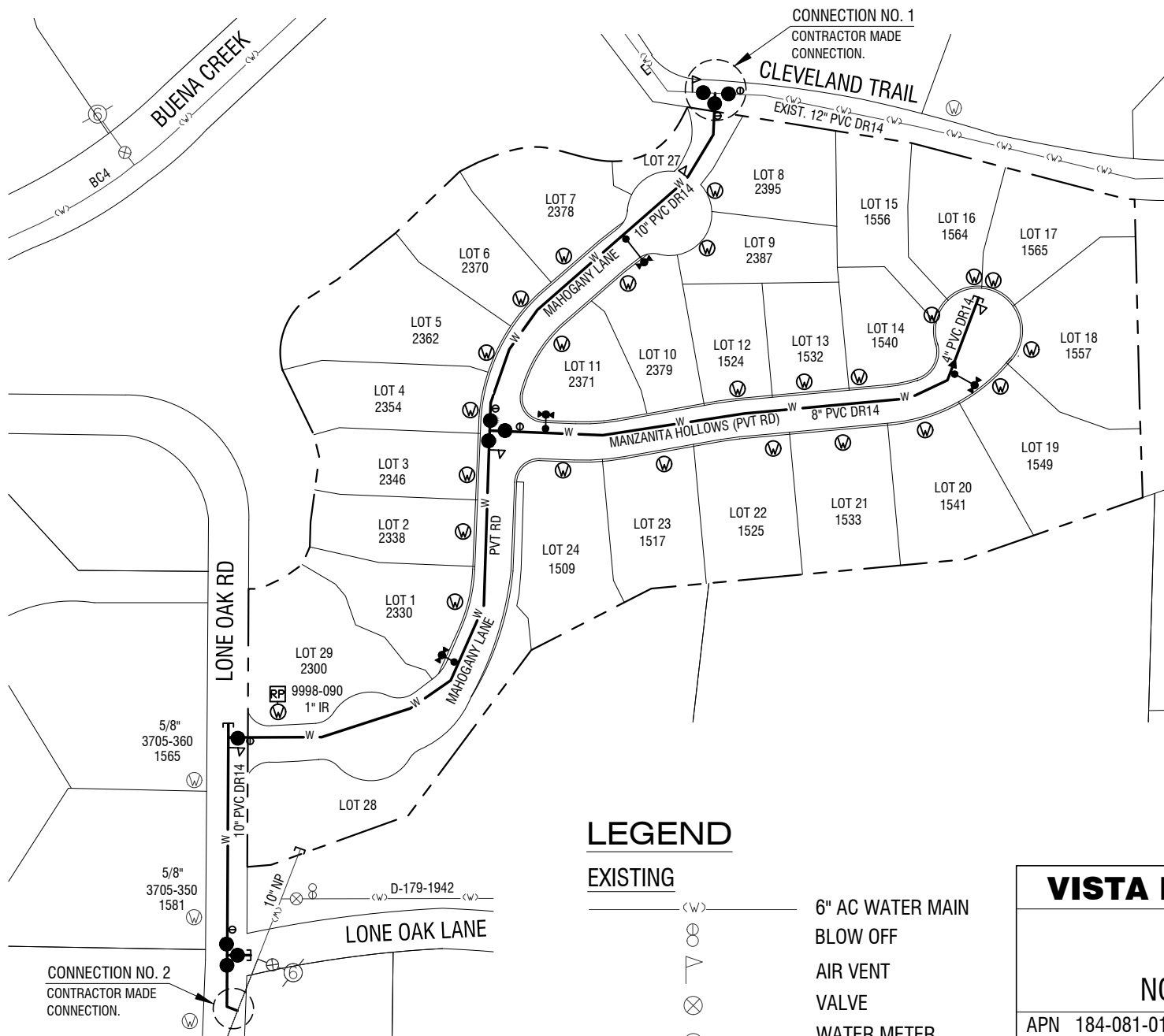
PRIOR BOARD ACTION: On September 19, 2018, the Board approved the waterline project and accepted grant of Right of Way (L51) via Parcel Map No. 16331; the Board approved Quitclaim Deed (666) quitclaiming a portion of Specific Easement (T34) on August 7, 2019.

FISCAL IMPACT: None.

SUMMARY: The water system is ready for acceptance by the Board, which will allow the Notice of Acceptance to be filed with the County Recorder.

DETAILED REPORT: All of the work required by the construction contract (I-3079) has been completed. Under District inspection, the developer's contractor installed approximately 1,130 feet of 10-inch waterline, 456 feet of 8-inch waterline, 94 feet of 4-inch waterline, two 8-inch gate valves, six 10-inch gate valves, two 12-inch gate valves, six 2-inch blow-offs, five 1-inch air-vents, 24 1-inch domestic water services, one 1-inch irrigation water service and four standard 6-inch fire hydrants. The owners have paid for 24 3/4-inch domestic meters and one 1-inch irrigation meter and installed all necessary backflow devices. This project will be completed with the filing of the Notice of Acceptance.

ATTACHMENT: Map



VISTA IRRIGATION DISTRICT		
LONE OAK		
NOTICE OF ACCEPTANCE		
APN 184-081-01 thru -25, -27, -28, -29	T.B. 1108-D1	
SCALE: NO SCALE	L.N. 2017-038	
APPD. BY	DATE	W.O.
DRAWN BY JB	DATE 9/21/2020	
SHEET 1 of 1	MAP J17	1-3079
REVISED 9/23/20	Jeanette Bradshaw	
Z:\Engineering\JOBS\I-Jobs\I3079_Lone Oak\Notice of Acceptance.dwg		

OWNER:
 LONE OAK 24, LP
 5927 PRIESTLY DRIVE, SUITE 110
 CARLSBAD, CA 92008
 760-918-6768

ENGINEER:
 HUNSAKER & ASSOCIATES
 9707 WAPLES STREET
 SAN DIEGO, CA 92121
 CONTACT: DAVID BLALOCK



STAFF REPORT

Agenda Item: 6.B

Board Meeting Date: October 7, 2020
Prepared By: Frank Wolinski
Approved By: Brett Hodgkiss

SUBJECT: DISTRICT VEHICLE PURCHASE

RECOMMENDATION: Authorize the purchase of a 2021 F-650 Ford truck from Downtown Ford Sales in the amount of \$60,605.38.

PRIOR BOARD ACTION: The Board approved the purchase of a medium duty, Class 6 vehicle as part of the 2021 budget totaling \$120,000.

FISCAL IMPACT: \$60,605.38

SUMMARY: The District needs to replace a 2001 F-550 Ford welding truck. Staff recommends replacing the F-550 with an F-650 diesel truck to accommodate the payload requirements associated with the District's welding trucks. District staff proposes to utilize the State purchasing program to procure this vehicle.

DETAILED REPORT: The proposed 2021 Ford F-650 will be ordered as a cab and chassis vehicle. Once delivery of the vehicle is taken from Downtown Ford Sales in Sacramento, the bed, equipment boxes, crane and power take-off driven air compressor will be bid out for fabrication/installation locally at an estimated cost of \$70,000.

The District sourced this vehicle through Statewide Commodity Contracts that are made available by the State to local government agencies. When desired vehicles are available, the District has historically used this program to purchase them at a lower cost than can be otherwise obtained through traditional procurement procedures. In this case, the base price of a 2021 F-650 truck provisioned through the State is approximately \$15,000 less than the base manufacturer suggested retail price available through local fleet retailers. Ford brand vehicles are provided under the program for vehicles and trucks, and Downtown Ford Sales is the sole vendor available for this truck model.



Cash Disbursement Report

Payment Dates 9/3/2020 - 9/23/2020

Payment Number	Payment Date	Vendor	Description	Amount
65184	09/10/2020	Refund Check 65184	Customer Refund	73.44
65185	09/10/2020	Refund Check 65185	Customer Refund	874.79
65186	09/10/2020	Airgas USA LLC	Oxygen	293.31
	09/10/2020		TIG Welder Supplies	61.69
	09/10/2020		Flux for TIG Welder	94.71
65187	09/10/2020	Escondido Metal Supply	Steel Angle (1)	43.42
	09/10/2020		Flatbars (2)	36.30
65188	09/10/2020	Alignment Plus	Replaced Ball Joints, Steering Adjustment -Truck 49	1,342.72
65189	09/10/2020	Amazon Capital Services	Bosch Hammer Drill	550.99
	09/10/2020		American Flag (1) - Henshaw	231.65
	09/10/2020		Fire Alarm Panel Labels	19.83
	09/10/2020		First Aid Bag, Work Gloves, Gopher Repellent	414.62
	09/10/2020		Ice Machine Brackets (2)	21.55
	09/10/2020		Warehouse Non-Stock - Hand Cream (8)	59.22
	09/10/2020		Hydraulic Steer Cylinders (2) - F1	708.07
	09/10/2020		Sewer Jet Kit	80.92
	09/10/2020		Water Filter for Pressure Pump	45.68
	09/10/2020		Ice Machine Brackets Shipping	(6.49)
	09/10/2020		Nitrile Gloves - COVID-19	218.48
65190	09/10/2020	Aquajet Art	Blind Flanges Modified - E43 Regulator Pressure Test	245.00
65191	09/10/2020	AT&T	Data Circuit	698.93
	09/10/2020		SIP Trunks	443.14
65192	09/10/2020	Auto Specialist Warehouse	Brake Parts - Truck 40	441.22
	09/10/2020		Axle Seal - Truck 66	52.26
65193	09/10/2020	BHA Inc	Warner Ranch Ditch Survey 08/2020	2,165.00
65194	09/10/2020	Big Drip Plumbing	Meter Tie-backs (4) - Warmlands Ave	5,800.00
	09/10/2020		Meter Tie-backs (4)- Warmlands Ave	5,800.00
65195	09/10/2020	Boot Barn Inc	Footwear Program	138.01
65196	09/10/2020	Cass Arrieta	Warner Ranch Ditch Repair 07/2020	172,153.57
65197	09/10/2020	CDW Government Inc	Software Support Phone System	2,963.00
	09/10/2020		Next Business Day Support Switches	2,771.33
	09/10/2020		Support and Maintenance Core Switches	2,063.58
65197	09/10/2020	CDW Government Inc	Premium 24x7 Support for Phone System Gear	1,548.46
65198	09/10/2020	Cecilia's Safety Service Inc	Traffic Control - Balboa Circle	712.50

Payment Number	Payment Date	Vendor	Description	Amount
	09/10/2020		Traffic Control - Hackamore Rd	1,567.50
	09/10/2020		Traffic Control - York Drive	5,985.00
	09/10/2020		Traffic Control - Hackamore Rd	807.50
	09/10/2020		Traffic Control - W Los Angeles	617.50
	09/10/2020		Traffic Design - Civic Center Dr/Postal Way	35.00
65199	09/10/2020	City of Oceanside	Weese Treatment 08/2020	25,165.62
65200	09/10/2020	CleanCapital HC4 Borrower LLC	Solar Energy Use 08/2020	5,897.48
65201	09/10/2020	Coastal Chlorination & Backflow	Chlorination of Mainline - York Drive	396.00
65202	09/10/2020	Core & Main	Fire Hydrant Spool 6x24 DI (2)	269.55
	09/10/2020		Reducer (1)	211.19
65203	09/10/2020	CoreLogic Solutions Inc	Realquest Online Services 08/2020	300.00
65204	09/10/2020	Diamond Environmental Services	Portable Restroom Service	114.70
	09/10/2020		Portable Restroom Service	84.39
65205	09/10/2020	Dion International Trucks, LLC - San Marcos	Clutch Pedal Pad - Truck 52	24.87
65206	09/10/2020	Direct Energy	Electric 08/2020 - VID	1,125.24
	09/10/2020		Electric 08/2020 - Henshaw Buildings & Grounds	166.17
	09/10/2020		Electric 08/2020 - Henshaw Well Field	2,952.89
	09/10/2020		Electric 08/2020 - T & D / Cathodic Protection	37.30
	09/10/2020		Electric 08/2020 - Reservoirs	13.74
	09/10/2020		Electric 08/2020 - Pump Stations	5,915.89
	09/10/2020		Electric 08/2020 - Treatment Plants	23.57
65207	09/10/2020	Drum Plumbing, Inc	Meter Tie-back - 1737 York Drive	925.00
	09/10/2020		Meter Tie-back -York Drive	1,325.00
	09/10/2020		Meter Tie-back -York Drive	925.00
	09/10/2020		Meter Tie-back -York Drive	925.00
	09/10/2020		Meter Tie-back -York Drive	925.00
	09/10/2020		Meter Tie-back -York Drive	925.00
65208	09/10/2020	EDCO Waste & Recycling Services Inc	Trash & Recycle 08/2020	245.71
	09/10/2020		40 yd Dumpster	444.69
65209	09/10/2020	Electrical Sales Inc	Electrical Conduit Supplies - E43	379.80
65210	09/10/2020	Eurofins Eaton Analytical Inc	UCMR 4 RD 12c Testing	800.00
	09/10/2020		UCMR 4 RD 12b Testing	800.00
65211	09/10/2020	Ferguson Waterworks	Regulator Maintenance Supplies	2,679.20
	09/10/2020		Brass Parts	307.71
	09/10/2020		Pump Control Valves (3) - Station 10	3,985.01
	09/10/2020		1" ARI Repair Kit EPDM Seal & O-Ring (10)	372.81
	09/10/2020		2" ARI Repair Kit EPDM Seal & O-Ring (5)	305.86
	09/10/2020		Nipple0.75" x 2.5" (Brass) (3)	6.33
	09/10/2020		Cap PVC Threaded 0.75"	5.68

Payment Number	Payment Date	Vendor	Description	Amount
	09/10/2020		Plug 1" (Brass) (6)	14.29
	09/10/2020		Cap 1.25" (Brass) (6)	29.88
	09/10/2020		Nipple 1" x 2" (Brass) (6)	16.24
	09/10/2020		Calder Coupling 8" Clay x 8" PVC (1)	15.16
	09/10/2020		Coupling 1" (Brass) (6)	24.03
	09/10/2020		Nipple 1" x CL (Brass) (6)	12.67
65212	09/10/2020	Fleet Pride	U-Bolts (2) - Truck 11	60.49
	09/10/2020		Mud Flaps & Gloves	153.08
65213	09/10/2020	Glennie's Office Products Inc	Hand Sanitizer Wipes (24) - COVID-19	253.31
	09/10/2020		Supplies -COVID-19	467.12
	09/10/2020		Office Supplies	63.71
	09/10/2020		Office Supplies	43.42
65214	09/10/2020	Grainger	Tube Cutting Wheels (10)	95.47
	09/10/2020		Toilet Flush Kit	29.63
	09/10/2020		Filters for Ice Makers & Hydration Station (12)	265.06
	09/10/2020		Toilet Flush Kit	29.63
65215	09/10/2020	Hawthorne Machinery Co	Filters, Paint, Strainer	195.40
65216	09/10/2020	HELIX Environmental Planning, Inc	Warner Ranch Ditch Repair 08/2020 - Environmental	287.50
65217	09/10/2020	Horton Knox Carter & Foote LLP	Legal Services 09/2020	12,000.00
65218	09/10/2020	IDEXX Distribution Corporation	Bac-T Bottles & Media	2,291.92
65219	09/10/2020	Infrastructure Engineering Corporation	Warner Ranch Ditch Repair 05/2020	2,030.00
65220	09/10/2020	Inland Kenworth (US) Inc	Dimmer Switch - Truck 3	154.32
	09/10/2020		Nitrogen Oxide Sensor - Truck 3	630.04
65221	09/10/2020	Innovyze Inc	Fixed InfoWater License	1,730.00
	09/10/2020		Floating InfoWater License	2,595.00
65222	09/10/2020	Joe's Paving	Patch Paving	689.70
	09/10/2020		Patch Paving	1,029.85
65223	09/10/2020	Jan-Pro of San Diego	Janitorial Service 08/2020 - COVID-19	1,344.00
65224	09/10/2020	Ken Grody Ford Carlsbad	Fuel Filter Kit - Truck 65	83.26
65225	09/10/2020	Lawnmowers Plus Inc	Sharpen Hedge Trimmer	84.78
	09/10/2020		Wheel Kit for Concrete Saw - Truck 65	46.32
65226	09/10/2020	Liebert Cassidy Whitmore	Legal Services 07/2020	20,148.05
65227	09/10/2020	Major League Pest	Monthly Pest Control	225.00
65228	09/10/2020	McMaster-Carr Supply Company	Stainless Pipe & Flanges - E43	1,397.83
65229	09/10/2020	Moodys	Dump Fees (2)	400.00
65230	09/10/2020	Murraysmith, Inc	Four Reservoir Seismic/Structural Analysis 07/2020	6,489.60
65231	09/10/2020	Mutual of Omaha	LTD/STD/Life Insurance 09/2020	6,703.05
65232	09/10/2020	North County Auto Parts	Steering Wheel Covers, Shocks	(174.13)
	09/10/2020		Steering Wheel Cover (1)	(16.79)

Payment Number	Payment Date	Vendor	Description	Amount
	09/10/2020		Steering Wheel Covers (3)	(39.87)
	09/10/2020		Turn Rotors (2) - Truck 40	53.00
	09/10/2020		Wiper Blades (2)	36.91
	09/10/2020		Plastic & Rubber Conditioner (2)	26.72
	09/10/2020		Gear Oil - E2	38.97
	09/10/2020		Shop Chemicals/Cleaners	49.62
	09/10/2020		Shop Chemicals, Oils, Coolant	380.12
	09/10/2020		Anti-Corrosion Felt Washers	30.31
65233	09/10/2020	North County Pool Center Inc	Bottle Return	(10.00)
	09/10/2020		Chlorine	30.97
65234	09/10/2020	O'Reilly Auto Parts	Battery - Truck 74	117.67
65235	09/10/2020	Pacific Pipeline Supply	#3 Metal Meter Box Lids marked WATER (19)	719.86
	09/10/2020		Bolts (5)	50.60
	09/10/2020		Parts & Adapters for Construction Meters	728.18
	09/10/2020		Angle Stops (3)	533.62
	09/10/2020		Nut Bolt Gasket Kit (6" gasket) 3/4 x 3 1/4 (20)	194.85
	09/10/2020		Fire Hydrant LB400 Check Valve (4)	6,178.91
	09/10/2020		Gate Valve 6" FL R/W (3)	2,029.69
	09/10/2020		Air Vent 1" ARI Combination Valve (7)	1,432.14
	09/10/2020		Gate Valve 6" POxFL R/W (2)	1,363.95
	09/10/2020		Ell 6"x16" POxFL Bury DI (5)	1,347.71
	09/10/2020		Nipple 2x6 Brass (1)	21.65
	09/10/2020		Fire Hydrant Spool 6x24 DI (4)	549.91
	09/10/2020		Ell 4" DI FL 90 Degree (2)	116.91
	09/10/2020		Pipe 6" PVC DR-14 C900 (80)	476.30
	09/10/2020		Pipe Lube 5 gal (3)	315.01
	09/10/2020		Fire Hydrant Spool 6x18 DI (2)	238.15
	09/10/2020		Adapter 6" DI POxFL (3)	214.34
	09/10/2020		Ell 8" DI PO 45 Degree (1)	102.84
	09/10/2020		Nipple 2x8 Brass (2)	56.29
	09/10/2020		Fire Hydrant Spool 6x6 DI (1)	77.94
	09/10/2020		Coupling 2" Brass (4)	90.93
	09/10/2020		Coupling 8" Repair PVC C900 (6)	506.61
	09/10/2020		Fire Hydrant Spool 6x12 DI (1)	92.01
	09/10/2020		Drill 3/8" PD Pilot for PVC (2)	54.13
	09/10/2020		Cutter 2" PWL-200 PVC Carb Shell (1)	235.99
	09/10/2020		Drill 1-2" SCA102 Motor Arbor (1)	47.62
	09/10/2020		Pipe (20')	117.23
	09/10/2020		PVC Meter Box & Lid (1)	102.64

Payment Number	Payment Date	Vendor	Description	Amount
	09/10/2020		Angle Stops (4)	433.29
65236	09/10/2020	Premier Chevrolet	Mirror Glass (1) - Truck 51	78.14
65237	09/10/2020	Ramona Disposal Service	Trash Service 08/2020	167.50
65238	09/10/2020	Pacific Waterjet	Pechstein Drill Guides	1,932.00
65239	09/10/2020	Raymond Handling Solutions Inc	Scheduled Maintenance - F3	98.00
65240	09/10/2020	Rincon del Diablo MWD	MD Reservoir Service 08/2020	38.30
65241	09/10/2020	Rutan & Tucker LLP	Legal Service 07/2020	1,139.50
	09/10/2020		Legal Service 07/2020	696.00
65242	09/10/2020	Volvo Construction Equipment & Services	Filters - E2	131.15
65243	09/10/2020	San Diego Friction Products	Slack Adjusters (4) - T2	399.75
	09/10/2020		Hub Caps (4) - T2	53.13
65244	09/10/2020	San Diego Gas & Electric	Gas Use 08/2020	156.88
	09/10/2020		Electrical Transmission 08/2020	4,621.75
65245	09/10/2020	Sealright Paving Inc.	Compaction Reports - Osborne St	1,500.00
	09/10/2020		Compaction Reports - Warmlands Ave	1,500.00
65246	09/10/2020	Sloan Electric Company	Trim Balancing Service - Station 10	1,747.50
65247	09/10/2020	Sonsray Machinery LLC	Brake Job - F1	(379.00)
	09/10/2020		Brake Job - F1	8,679.04
65248	09/10/2020	Southland Pipe Corp.	Blind Flanges (6) - E43	977.30
65249	09/10/2020	Sunrise Materials Inc	Paddle Mixer, Bucket	31.39
	09/10/2020		Waddles, Stakes	140.73
65250	09/10/2020	Sylvester Roofing Company Inc	Roof Coating at Lupine Hills Reservoir	51,389.00
65251	09/10/2020	Tegriscap Inc	Landscape Service 08/2020	1,787.00
65252	09/10/2020	The UPS Store 0971	Shipping 08/2020	1,298.03
65253	09/10/2020	Bend Genetics, LLC	Habs Testing	585.00
	09/10/2020		Habs Testing	975.00
65254	09/10/2020	TS Industrial Supply	Chipping Gun Chucks (2)	99.37
	09/10/2020		Impact Swivels (2) - Truck 11	128.07
	09/10/2020		Retainer Rings (2) - Truck 11	13.09
	09/10/2020		Jack Hammer Bits (2)	54.06
	09/10/2020		Torque Wrench, Socket	111.23
	09/10/2020		Impact Universal (2) - Truck 11	128.07
	09/10/2020		Gloves Thickster Nitrile XL 100 per box (10)	172.66
	09/10/2020		Lifter SS 36" Meter Lid (2)	70.25
	09/10/2020		Pump Utility 36" with hose (10)	481.71
	09/10/2020		Abrasive Mesh Roll 120G (14)	281.88
	09/10/2020		Gloves Thickster Nitrile LG 100 per box (10)	172.66
	09/10/2020		Hat Hard Full Brim with Ratchet Head Gear (5)	143.43
	09/10/2020		Cartridges MSA Comb for P100 (6)	133.15

Payment Number	Payment Date	Vendor	Description	Amount
	09/10/2020		Poly Sprayer 1 gallon (2)	117.99
	09/10/2020		Pruner 26" (2)	112.58
	09/10/2020		Extension Cord 100' (1)	74.69
	09/10/2020		Plier 8" Long Nose (1)	16.21
	09/10/2020		Plier 8" Lineman's Cut (1)	21.11
	09/10/2020		Measuring Tape Holder 25' (2)	32.15
	09/10/2020		Marking Paint Roller (1)	22.89
65255	09/10/2020	Underground Service Alert of Southern California	New DigAlert Tickets 08/2020	486.85
	09/10/2020		Dig Safe Board Fees 08/2020	220.93
65256	09/10/2020	Underground Solutions, Inc	Potholing - S Santa Fe & Monte Vista 08/19/20	1,537.50
65257	09/10/2020	UniFirst Corporation	Uniform Service	415.88
	09/10/2020		Uniform Service	329.98
	09/10/2020		Uniform Service	363.25
	09/10/2020		Uniform Service	319.80
65258	09/10/2020	Verizon Wireless	SCADA Remote Access	374.19
65259	09/10/2020	Vinje & Middleton Engineering Inc	Compaction Test - York Drive	768.75
65260	09/10/2020	Vista Brake & Smog	Tires (2) & Alignment - Truck 74	387.83
65261	09/10/2020	Vulcan Materials Company and Affiliates	Cold Mix	1,946.13
65262	09/16/2020	Refund Check 65262	Customer Refund	535.05
65263-65266	09/16/2020	Refund Checks 65263-65266	Customer Refunds	715.94
65267	09/16/2020	Answering Service Care, LLC	Answering Service 08/2020	422.50
65268	09/16/2020	CSUSM	Scholarship Award	1,000.00
65269	09/16/2020	CWEA	Membership Renewal	192.00
65270	09/16/2020	Escondido Disposal Inc	40 yd Dumpster	599.55
65271	09/16/2020	Government Finance Officers Association	Membership Renewal 10/01/20 - 09/30/21	160.00
65272	09/16/2020	Home Depot Credit Services	Form Material for Concrete	61.03
	09/16/2020		Extension Cord	(9.17)
	09/16/2020		Extension Cord	14.04
	09/16/2020		Drain Snake Rental	(100.00)
	09/16/2020		Drain Snake Rental	100.00
	09/16/2020		Supplies for Truck	31.69
	09/16/2020		Blade for Brush Trimmer	45.37
	09/16/2020		Towels, Drain Cutter, Battery Charger	55.22
	09/16/2020		Wheels	27.28
	09/16/2020		Concrete Mortar	480.41
	09/16/2020		Mortar Bonding Adhesive	54.99
	09/16/2020		Concrete Mortar, Crack Seal	516.11
	09/16/2020		Pallet Return	(16.25)
	09/16/2020		Electrical Conduit	97.64

Payment Number	Payment Date	Vendor	Description	Amount
	09/16/2020		Concrete Blocks	46.98
	09/16/2020		Concrete Blocks	19.31
	09/16/2020		Fence Post Supports	45.34
	09/16/2020		Security Door	(112.05)
	09/16/2020		Light, Insect Trap, Paint	255.22
	09/16/2020		Security Door & Supplies	291.54
	09/16/2020		Paint	317.39
	09/16/2020		Lights, Sink	318.51
	09/16/2020		Tin Roofing	(117.53)
	09/16/2020		Insecticide	56.60
	09/16/2020		Paint & Lumbar	371.90
	09/16/2020		Paint Sprayer	473.02
	09/16/2020		Tin Roofing	118.04
	09/16/2020		Paint Supplies	607.08
	09/16/2020		Paint Supplies	338.67
	09/16/2020		Security Door & Supplies	203.64
	09/16/2020		Tools, LED Light	736.99
	09/16/2020		Sump Pump	150.47
	09/16/2020		Maintenance Supplies	64.31
	09/16/2020		Cleaning & Electrical Supplies	125.63
	09/16/2020		Signal Conduit Parts	85.34
	09/16/2020		Supplies for Regulator Maintenance	232.99
	09/16/2020		Supplies for SCADA relocation	42.26
	09/16/2020		Parts	69.68
	09/16/2020		Tubing for Plexiglass - COVID-19	28.36
	09/16/2020		Plexiglass - COVID-19	1,369.73
	09/16/2020		Concrete 60lb bag (50)	212.49
	09/16/2020		Concrete Rapid Set 60lb bag (50)	742.34
65273	09/16/2020	Infrastructure Engineering Corporation	S Santa Fe Streetscape Night Inspection 3/28/20-4/24/20	3,384.00
65274	09/16/2020	Right-of-Way Engineering Services, Inc	Construction Staking - York Dr	2,230.00
65275	09/16/2020	San Diego Gas & Electric	Electric 08/2020	107.62
	09/16/2020		Electric 08/2020	62.85
65276	09/16/2020	Southern Counties Lubricants, LLC	Fuel 08/15/20 - 08/31/20	5,994.03
65277	09/16/2020	Sunbelt Rentals	Dump Truck Rental	1,094.49
65278	09/16/2020	Vinje & Middleton Engineering Inc	Geotechnical Services - Borden Bench	1,467.50
65279	09/16/2020	Vista Lock & Safe Co	Locks (150)	2,073.52
65280-65286	09/23/2020	Refund Checks 65280-65286	Customer Refunds	1,927.53
65287	09/23/2020	Active Auto Collision	Damage Repair - Truck 33	2,947.79
65288	09/23/2020	ACWA/JPIA	Medical & Dental Insurance 10/2020 - Cobra	1,650.70

Payment Number	Payment Date	Vendor	Description	Amount
	09/23/2020		Medical & Dental Insurance 10/2020 - Cobra	825.35
	09/23/2020		Medical & Dental Insurance 10/2020 - Cobra	825.35
	09/23/2020		Medical & Dental Insurance 10/2020 - Cobra	69.09
	09/23/2020		Medical & Dental Insurance 10/2020 - Cobra	69.09
	09/23/2020		Medical & Dental Insurance 10/2020 - Cobra	33.72
	09/23/2020		Medical & Dental Insurance 10/2020 - Cobra	33.72
	09/23/2020		Medical & Dental Insurance 10/2020 - Cobra	69.09
	09/23/2020		Medical & Dental Insurance 10/2020 - Employees	167,206.11
	09/23/2020		Medical & Dental Insurance 10/2020 - Retirees	40,372.37
	09/23/2020		Medical & Dental Insurance 10/2020 - P Sanchez	1,790.34
	09/23/2020		Medical & Dental Insurance 10/2020 - M Miller	1,790.34
	09/23/2020		Medical & Dental Insurance 10/2020 - P Dorey	1,719.79
	09/23/2020		Medical & Dental Insurance 10/2020 - R Vasquez	1,719.79
	09/23/2020		Medical & Dental Insurance 10/2020 - J MacKenzie	1,790.34
65289	09/23/2020	Ironwood Plumbing	Meter Tie-Backs - Devon Place & York Dr	5,150.00
65290	09/23/2020	Airgas USA LLC	Welding Supplies	269.98
65291	09/23/2020	Alignment Plus	Front End Repair - Truck 11	1,092.32
	09/23/2020		Rear Suspension Upgrade - Truck 79	1,002.01
65292	09/23/2020	Amazon Capital Services	Carburetor for Trimmer	29.20
	09/23/2020		Impact Driver, Work Gloves	318.51
	09/23/2020		Carburetor for Trimmer	41.65
	09/23/2020		Habs Sampler Cooler, Ice Packs	46.97
	09/23/2020		Warehouse Non-Stock Supplies	186.93
	09/23/2020		Engineer Tape Measures (3)	46.17
	09/23/2020		Headlamp Bucket Assemblies - Truck 66	89.84
	09/23/2020		Heavy Duty Stapler	41.12
	09/23/2020		Scan Tool	531.81
65293	09/23/2020	Boot Barn Inc	Footwear Program	180.00
65294	09/23/2020	Boot World Inc	Footwear Program	180.00
65295	09/23/2020	Canon Solutions America, Inc	Canon Supplies & Service	127.03
65296	09/23/2020	CDW Government Inc	Cisco Backup VPN licenses (25)	216.75
	09/23/2020		AutoCAD Raster Design License	351.04
	09/23/2020		AutoCAD Map 3D Subscription	633.80
	09/23/2020		ADSK Civil 3D Subscription	1,145.72
	09/23/2020		ADSK Map 3D Subscription	5,070.40
	09/23/2020		AutoDesk Inventor Pro Subscription Seat	1,794.67
65297	09/23/2020	Cecilia's Safety Service Inc	Traffic Control - York Drive	5,747.50
	09/23/2020		Traffic Control - Sunset Dr	1,140.00
	09/23/2020		Traffic Control - Anns Way	570.00

Payment Number	Payment Date	Vendor	Description	Amount
	09/23/2020		Traffic Control - Phillips St	1,235.00
	09/23/2020		Traffic Control - York Dr	5,035.00
	09/23/2020		Traffic Control - Pala Vista Dr	3,325.00
	09/23/2020		Traffic Control - Foothill Dr	1,235.00
	09/23/2020		Traffic Control - Balboa Circle	475.00
65298	09/23/2020	760Print	Laminated Towing/Hit Utility Procedures (75)	102.84
65299	09/23/2020	City Of Escondido	Escondido Water Treatment Plant 07/2020 - 08/2020	319,393.00
65300	09/23/2020	CoreLogic Solutions Inc	Real Quest Online Services 07/2020	337.99
65301	09/23/2020	County of San Diego	Permit Fees 07/2020	3,024.20
65302	09/23/2020	Culligan of Escondido	Adjustment	8.00
65303	09/23/2020	Diamond Environmental Services	Portable & Stationary Restroom Service	342.25
65304	09/23/2020	Digital Deployment, Inc	Website Hosting, Maintenance & Support	300.00
65305	09/23/2020	Drug Testing Network Inc	Post Accident Test	95.95
65306	09/23/2020	Fastenal Company	Washers (100)	21.40
65307	09/23/2020	Ferguson Waterworks	Brass Parts	50.07
	09/23/2020		Cap PVC Threaded 0.75" (3)	5.68
	09/23/2020		Fire Hydrant Spool 6x18 DI (1)	121.24
	09/23/2020		Ell 8" DI PO 45 Degree (2)	277.25
	09/23/2020		Sleeve 8"x12" Galvanized Top Sections (15)	139.64
	09/23/2020		Pipe 6" PVC DR-14 C900 (20)	150.68
	09/23/2020		Adapter 2" Copper x MIP (12)	155.88
	09/23/2020		Fire Hydrant Spool 6x12 DI (1)	95.80
	09/23/2020		Ball Meter Valve 1" Lockwing FIPxSwivel Mtr Nut (2)	194.33
	09/23/2020		Ball Valve 1" FIP x FIP with handle PSI 150 (3)	233.85
	09/23/2020		Grease No-Oxide 1 gal (8)	316.09
	09/23/2020		Tubing 2" Copper Soft 20' (20)	271.71
	09/23/2020		Ell 6"x16" POxFL Bury DI (2)	554.24
	09/23/2020		Corp Stop 2" MIP X FIP (5)	1,031.46
	09/23/2020		Pipe 8" PVC DR-14 C900 (80)	1,033.14
	09/23/2020		Angle Ball Mtr Valve 1" Flare Swl Mtr Nut Lockwing (20)	2,090.96
	09/23/2020		Fire Hydrant LB400 Check Valve (2)	3,147.91
	09/23/2020		3/4" x 1" Meter Bushing Ford #A34R-NL (20)	218.67
	09/23/2020		3/4" x 1" Meter Bushing Ford #A434-NL (20)	440.58
	09/23/2020		Small Meter Boxes (22)	1,182.41
65308	09/23/2020	Glennie's Office Products Inc	Office Supplies	336.10
	09/23/2020		Office Supplies	8.12
65309	09/23/2020	Grainger	Oil/Water Filters (4)	197.74
65310	09/23/2020	Infrastructure Engineering Corporation	Warner Ranch Ditch Repair 08/2020 - CM+Inspection	25,380.00
65311	09/23/2020	Inland Water Works Supply Co	Meter Reading Software Conversion - CN80 Handheld	2,868.63

Payment Number	Payment Date	Vendor	Description	Amount
	09/23/2020		Meter Reading Software Conversion - 4 Bay Charger	567.99
	09/23/2020		Meter 100W ERT (168)	13,639.50
65312	09/23/2020	Jackson & Blanc	AHU Filters Upgraded	359.00
65313	09/23/2020	J. Leon Construction	Concrete Work	2,000.00
65314	09/23/2020	Joe's Paving	Patch Paving - Balboa Circle	10,007.50
	09/23/2020		Patch Paving	3,672.00
	09/23/2020		Patch Paving - Balboa Circle	451.20
65315	09/23/2020	Jan-Pro of San Diego	Janitorial Service 09/2020	4,497.00
65316	09/23/2020	Ken Grody Ford Carlsbad	Axle Flange Seals - Truck 66	4.35
	09/23/2020		Suspension Parts - Truck 66	220.47
65317	09/23/2020	Leon Perrault Trucking & Materials	Trucking & Material 08/2020	12,577.38
65318	09/23/2020	Liebert Cassidy Whitmore	Legal Services 08/2020	2,394.00
	09/23/2020		Legal Services 08/2020	5,652.30
65319	09/23/2020	Lightning Messenger Express	Messenger Service 08/28/20	52.50
65320	09/23/2020	Louie and Lorena Castillo	Reimburse for Water Damage 09/2020	7,588.00
65321	09/23/2020	Mallory Safety and Supply, LLC	Halo SL System - Headlamps (6)	753.42
65322	09/23/2020	McMaster-Carr Supply Company	Proximity Switches & Brackets	174.03
65323	09/23/2020	Medical Eye Services	Vision Insurance 10/2020 - Cobra	8.78
	09/23/2020		Vision Insurance 10/2020 - Cobra	8.78
	09/23/2020		Vision Insurance 10/2020 - Employees	1,604.70
	09/23/2020		Vision Insurance 10/2020 - R Vasquez	14.24
	09/23/2020		Vision Insurance 10/2020 - P Sanchez	14.24
	09/23/2020		Vision Insurance 10/2020 - M Miller	14.24
	09/23/2020		Vision Insurance 10/2020 - J MacKenzie	14.24
	09/23/2020		Vision Insurance 10/2020 - P Dorey	14.24
65324	09/23/2020	Moodys	Dump Fees (3)	600.00
	09/23/2020		Dump Fees (2)	400.00
	09/23/2020		Dump Fee (1)	200.00
65325	09/23/2020	MRC, Smart Technology Solutions	Managed Print Services	529.34
65326	09/23/2020	North County Auto Parts	Grease Gun, Hoses, Fittings	97.90
	09/23/2020		Shocks (2) - Truck 79	152.33
	09/23/2020		V-Bolts (2) - Trimmer	30.05
	09/23/2020		Shocks (4) - Truck 66	302.10
	09/23/2020		Shop Chemicals	66.93
	09/23/2020		Wax Applicators	6.29
65327	09/23/2020	North County Rebuilders	Starter - Truck 30	215.42
	09/23/2020		Starter - Truck 11	215.42
	09/23/2020		Alternator - Truck 11	172.12
65328	09/23/2020	One Source Distributors	GFG 450 Gas Detector Repair	302.80

Payment Number	Payment Date	Vendor	Description	Amount
65329	09/23/2020	Opto 22	Hardware - SCADA Server	715.73
65330	09/23/2020	O'Reilly Auto Parts	Air Fresheners for Trucks	37.83
	09/23/2020		Microfiber Cloths	16.23
	09/23/2020		Battery - L3	89.63
	09/23/2020		Batteries (2) - Truck 11	345.81
65331	09/23/2020	Pacific Pipeline Supply	Restrainer (1)	105.38
65332	09/23/2020	Pacific Safety Center	Membership 11/2020 - 10/2021	280.00
65333	09/23/2020	Paychex of New York LLC	Onboarding/Recruiting Services 09/2020	812.50
65334	09/23/2020	Plateau Pest Solutions Inc	Bee Removal (2)	100.00
65335	09/23/2020	Powerland Equipment, Inc	Air Filters, Spark Plugs - Weed Whips	116.10
65336	09/23/2020	Rancho Environmental Service	Trimmed Tall Palms (6) - Pechstein	1,255.00
65337	09/23/2020	Richard Brady & Associates, Inc	HB Reservoir Rehabilitation 08/2020	146,983.00
65338	09/23/2020	San Diego Friction Products	Oil Hub Caps (2) - Truck 52	72.16
65339	09/23/2020	San Diego Gas & Electric	Electric 08/2020 - Cathodic Protection & T&D	240.92
	09/23/2020		Electric 08/2020 - Reservoirs	318.70
	09/23/2020		Electric 08/2020 - Pump Stations	9,816.29
	09/23/2020		Electric 08/2020 - Plants	118.95
65340	09/23/2020	Santa Fe Car Wash	Car Washes (25)	225.00
65341	09/23/2020	Save Our Heritage Organisation	WCRH O&M Contribution 07/2020 - 09/2020	3,000.00
65342	09/23/2020	Shred-it USA LLC	Shredding Service	489.45
65343	09/23/2020	SignArt	VID Logo Decals for Trucks (5)	347.49
65344	09/23/2020	Spok, Inc	Pagers	44.16
65345	09/23/2020	Sunbelt Rentals	Concrete	246.77
65346	09/23/2020	Superior Ready Mix Concrete	Concrete	462.67
65347	09/23/2020	Bend Genetics, LLC	Habs Testing	975.00
65348	09/23/2020	The San Diego Union-Tribune LLC	Legal Notice	178.83
65349	09/23/2020	The San Diego Union-Tribune LLC	Subscription	572.00
65350	09/23/2020	TS Industrial Supply	Cutter 30" Jet Model 700 Bolt (1)	75.78
	09/23/2020		Rake 14" Garden (1)	17.70
	09/23/2020		Shovel 4" Trench (1)	20.84
	09/23/2020		Extension Cord 25' (1)	28.15
	09/23/2020		Saw PVC (1)	28.69
	09/23/2020		Socket 1.125" Deep .5" Drive (2)	36.59
	09/23/2020		Gauge 100lb Pressure Oil (2)	39.97
	09/23/2020		Hammer 3lb Brass Sledge (1)	101.48
	09/23/2020		Shovel Square Point (5)	120.43
	09/23/2020		Gloves Thickster Nitrile XL 100 per box (10)	172.66
	09/23/2020		Cutter 1/8" to 1 5/8" Ridgid #RC-1625 PVC (3)	217.58
	09/23/2020		Krylon Safety Yellow Paint (12)	107.17

Payment Number	Payment Date	Vendor	Description	Amount
	09/23/2020		Twine Twisted Nylon Pink (275 feet) (2)	6.17
	09/23/2020		Sea 2" Pipe Wrap Tape (24)	186.54
	09/23/2020		Blue Striping Paint (12)	65.21
	09/23/2020		Blue Marking Paint #203 (18)	72.87
	09/23/2020		Gatorade Fruit Punch (144)	128.82
65351	09/23/2020	UniFirst Corporation	Uniform Service	319.80
	09/23/2020		Uniform Service	319.80
65352	09/23/2020	USABlueBook	Hach TU5300 and SC200 (1)	4,762.55
	09/23/2020		Hach CL17sc (1)	2,656.04
65352	09/23/2020	USABlueBook	Wooden Plugs (8)	82.75
65353	09/23/2020	Vista Paint Corporation	Paint	58.37
	09/23/2020		Metal Primer	32.27
65354	09/23/2020	Vulcan Materials Company and Affiliates	Cold Mix	2,002.00
65355	09/23/2020	Xerox Corporation	Xerox Supplies & Service	26.00
65356	09/23/2020	Zuza LLC	Warehouse Forms (2000)	1,000.23
Grand Total:				1,346,533.10



STAFF REPORT

Board Meeting Date: October 7, 2020
Prepared By: Dirs. Vásquez & Sanchez

SUBJECT: DISTRICT FEES AND CHARGES OTHER THAN WATER RATES

RECOMMENDATION:

1. Conduct a public hearing for the purpose of receiving comments on revisions to Vista Irrigation District fees and charges other than water rates.
2. Consider adopting Resolution No. 20-XX revising the Rules and Regulations of Vista Irrigation District relative to fees and charges other than water rates.

PRIOR BOARD ACTION: On October 16, 2019, the Board conducted a public hearing to receive comments on revisions to the District’s Rules and Regulations relative to fees and charges other than water rates. There were no public comments, written or oral, presented. Adopted Resolution No. 19-30 revising Rules and Regulations of the District relative to fees and charges other than water rates.

FISCAL IMPACT: The revenue produced by these fees and charges is designed to recover the costs associated with the services provided by the District. Adoption of the new miscellaneous fees and charges would increase annual revenue to the District slightly (about \$15,000) if the number and type of transactions remained similar to those in the past. However, due to the economic impacts of the COVID-19 pandemic, staff does not expect the number and/or type of transactions to remain similar in Fiscal Year 2021; therefore, it is not anticipated annual fee revenues will increase. The average individual fee increase is approximately 1%.

SUMMARY: Every year, the District spends approximately 300 staff hours performing a nexus study to ensure that its fees and charges accurately reflect the actual costs of providing services and only those costs. Based on the results of its study, the District’s fees and charges need revision to properly account for changes in the cost of labor, materials, and outside services for the coming year. The fee summary schedule attached is a comprehensive list of fees and charges other than water rates. The proposed modifications to the fee summary result from changes in material costs, updated process analyses, changes in labor costs and costs of outside services.

Three new Engineering fees, Encroachment Permit, Joint Use Agreement and Exchange Meter Agreement, are proposed to ensure that staff time and recording fees associated with these services are borne solely by the requestor.

DETAILED REPORT: Staff has performed detailed costs studies on all fees and charges; the proposed changes are necessary due to inflationary factors and the updated results of the very detailed analysis of the cost make-up of each fee. The proposed fees are calculated using current costs for labor, materials and outside services. A majority of the changes in this fee study are related to either an increase or a decrease in the cost of outside services and/or parts. Due to the moratorium on discontinuation of water service for non-payment related to COVID-19 pandemic, the District has not been charging fees associated with non-payment (e.g. Late Penalty, Delinquent Door Hanger, etc.); therefore, staff has not been able to analyze the financial impacts of implementing Senate Bill 998 (California’s Water Shut-off Protection Act) requirements on individual fees or fee revenues. Staff will present the changes of individual fees at the Board meeting. The proposed fees reflect the estimated cost of providing services in calendar year 2021.

The Notice of Public Hearing was duly published in a newspaper of general circulation in the District's service area.

ATTACHMENT:

- Notice of Public Hearing
- Proposed Fee Summary
- Strikeout version of amended sections of the Rules and Regulations
- Draft resolution amending Rules and Regulations



1391 Engineer Street • Vista • California 92081-8840

Phone: (760) 597-3100 • Fax: (760) 598-8757

www.vidwater.org

Board of Directors

Richard L. Vásquez, *President*

Paul E. Dorey

Jo MacKenzie

Marty Miller

Patrick H. Sanchez

Administrative Staff

Brett L. Hodgkiss
General Manager

Lisa R. Soto
Board Secretary

David B. Cosgrove
General Counsel

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that Vista Irrigation District will hold a public hearing in its Board Room located at 1391 Engineer Street, Vista, California, on Wednesday, October 7, 2020, at 9:00 a.m. to consider revising the Rules and Regulations of the District relating to adjustment of fees and charges other than water rates. All interested parties are invited to observe and participate in this public hearing to express opinions and/or present evidence relative to this matter and the fees being proposed.

Consistent with Governor Newsom's Executive Orders N-29-20 and N-33-20, and guidance from the County of San Diego, State of California, and Centers for Disease Control, members of the public will not be able to attend this hearing in person. Members of the public may observe and participate in the public hearing through Vista Irrigation District's teleconferencing line. The phone number and applicable pass code for such participation is as follows: Phone (877) 873-8018; Pass Code 474698#.

Telephone participants who are interested in observing and/or participating in the public hearing regarding the fees being considered are requested to place calls to the number listed above at or before 8:50 a.m. on October 7, 2020, so the District staff can organize the number and order of speakers and assure the ability of all who wish to participate. Please also note telephone or data charges from your carrier may apply to your telephonic participation. To maintain orderliness in proceedings, phone participants will be asked to identify themselves and their address. Telephone participants are asked to limit background noise during telephonic participation (with muting features, if available) and to maintain proper decorum suitable to the conduct of public hearings. Telephone participants should be prepared to speak when the public hearing is opened on the Board meeting agenda and only when recognized by the Board President.

Members of the public may also present testimony or evidence at the public hearing by way of e-mail transmission. Such email communication must be received at or before the time of the commencement of the public hearing. The email address to use for such communications is as follows: BoardSecretary@vidwater.org.

Members of the public may also present testimony or evidence at the public hearing by way of traditional mail or expedited courier service. Mailed testimony or evidence should be addressed as follows: Lisa Soto, Board Secretary, Vista Irrigation District, 1391 Engineer Street, Vista, CA 92081. Only mailed submissions received at such address on or before the 9:00 a.m. hearing time on October 7, 2020 will be considered.

Please take notice that if you or anyone on whose behalf you are acting wishes to challenge any of the matters considered at the public hearing, in court or through other legal means, you may be limited to raising only such subjects as were raised through the conduct of the hearing.

The proposed new fee schedule to be considered by the Board in connection with the public hearing may be viewed on the District's website at <https://www.vidwater.org/notice-of-public-hearing>. Such materials, and other requests for information, may also be requested by contacting the Board Secretary's office at the address listed above, or by telephoning (760) 597-3128, between 8:00 a.m. and 5:00 p.m., Monday through Friday.

Lisa R. Soto, Secretary
Board of Directors, Vista Irrigation District

Vista Irrigation District

PROPOSED FEE SUMMARY

Effective: January 1, 2021

	Current Fee	Proposed Fee	\$ Change	% Change
Construction Fees:				
5/8" Meter Full Install	\$ 5,554	\$ 5,652	\$ 98	1.8%
5/8" Meter Hook On	683	677	(6)	(0.9%)
5/8" Service Outlet *	4,871	4,975	104	2.1%
3/4" Meter Full Install	5,551	5,655	104	1.9%
3/4" Meter Hook On	680	680	-	0.0%
3/4" Service Outlet *	4,871	4,975	104	2.1%
1" Meter Full Install	5,638	5,770	132	2.3%
1" Meter Hook On	767	795	28	3.7%
1" Service Outlet *	4,871	4,975	104	2.1%
1 1/2" Meter Full Install	7,755	7,702	(53)	(0.7%)
1 1/2" Meter Hook On	1,896	1,857	(39)	(2.1%)
1 1/2" Service Outlet *	5,859	5,845	(14)	(0.2%)
2" Meter Full Install	7,512	7,534	22	0.3%
2" Meter Hook On	1,653	1,689	36	2.2%
2" Service Outlet *	5,859	5,845	(14)	(0.2%)
Fire Hydrant Full Install *	17,071	17,041	(30)	(0.2%)
Fire Hydrant Upgrade *	6,011	6,519	508	8.5%
4" Fire Service Connection *	12,120	11,723	(397)	(3.3%)
6" Fire Service Connection *	12,634	12,303	(331)	(2.6%)
8" Fire Service Connection *	13,576	13,256	(320)	(2.4%)
10" Fire Service Connection *	15,198	14,824	(374)	(2.5%)
Air Vent, Blow Off, and Gate Valve for Fire Service	4,093	4,035	(58)	(1.4%)
Commercial Irrigation Service Conversion Fee	1,972	1,954	(18)	(0.9%)
Backflow Device Set-up	250	252	2	0.8%
Reset Pressure Valve	198	200	2	1.0%
1" Construction Meter Deposit With Backflow Device	1,024	1,068	44	4.3%
Refundable Amount	580	615	35	6.0%
1" Construction Meter Deposit With Spanner and Backflow Device	1,045	1,088	43	4.1%
Refundable Amount	598	631	33	5.5%
3" Construction Meter Deposit With Backflow Device	4,018	4,138	120	3.0%
Refundable Amount	2,772	2,867	95	3.4%
Unauthorized Taking of District Water	2,665	2,708	43	1.6%
Relocate Construction Meter	167	168	1	0.6%
Unauthorized Construction Meter and Backflow Device Move Penalty	322	335	13	4.0%
Subdivision Construction Meter Deposit	8,874	8,827	(47)	(0.5%)
Refundable Amount	6,832	6,790	(42)	(0.6%)
Meter Service Lateral Termination	1,958	1,914	(44)	(2.2%)
Temporary Offsite Service*	6,763	6,718	(45)	(0.7%)
Plus: Per Foot Frontage Charge	64	62	(2)	(3.1%)
Temporary Service Agreement Conversion*	7,457	7,418	(39)	(0.5%)
Plus: Per Foot Frontage Charge	64	62	(2)	(3.1%)
Temporary Service Agreement Conversion Excluding Tieback and Permit*	5,837	5,798	(39)	(0.7%)
Plus: Per Foot Frontage Charge	64	62	(2)	(3.1%)
Cancellation of Meter Application	261	263	2	0.8%
Meter Downsize from 3/4"	521	525	4	0.8%
Meter Downsize from 1"	521	525	4	0.8%
Meter Downsize from 1 1/2"	944	950	6	0.6%
Meter Downsize from 2"	1,190	1,202	12	1.0%

* The cost of permit associated with this fee will be determined at the time of application. The cost of permit is dependent upon its jurisdiction.

Vista Irrigation District

PROPOSED FEE SUMMARY

Effective: January 1, 2021

	Current Fee	Proposed Fee	\$ Change	% Change
Engineering Fees:				
Hydraulic Analysis with Schematic Layout	\$ 782	\$ 788	\$ 6	0.8%
Statement of Cost	470	473	3	0.6%
Update Statement of Cost	209	211	2	1.0%
Specifications Book Cost	70	68	(2)	(2.9%)
Plan Check (per Sheet)	483	487	4	0.8%
As-Built Deposit (per Sheet)	466	469	3	0.6%
Refundable Amount (per Sheet)	466	469	3	0.6%
Construction Contract	1,757	1,771	14	0.8%
Water Availability Letter	292	295	3	1.0%
Water Availability Letter Update	136	137	1	0.7%
Private Ownership Agreement	818	825	7	0.9%
Grant of Right of Way (to Public)	573	577	4	0.7%
Quitclaim/Cancellation of Recorded Documents	695	700	5	0.7%
Encroachment Permit*	-	573	573	-
Joint Use Agreement*	-	412	412	-
Exchange Meter Agreement*	-	410	410	-
Fire Flow Analysis (Only)	229	231	2	0.9%
Annexation Fee (per Acre)	6,802	6,867	65	1.0%
Annexation/Administration - VID Not Conducting Agency	2,262	2,280	18	0.8%
Annexation/Administration - VID Conducting Agency	2,262	2,280	18	0.8%
Annexation/Administration - VID Conducting Reorganization	2,262	2,280	18	0.8%
Detachment Fee (per Acre)	-	-	-	-
Detachment/Administration - VID Conducting Agency	2,262	2,280	18	0.8%
Detachment/Administration - VID Not Conducting Agency	2,262	2,280	18	0.8%
5/8" Capacity Fee	<i>Current # of meters:</i> 5,560	4,166	4,205	39
3/4" Capacity Fee	<i>Current # of meters:</i> 16,945	6,249	6,308	59
1" Capacity Fee	<i>Current # of meters:</i> 2,865	10,415	10,514	99
1 1/2" Capacity Fee	<i>Current # of meters:</i> 1,323	20,830	21,027	197
2" Capacity Fee	<i>Current # of meters:</i> 879	33,327	33,644	317
3" Capacity Fee	<i>Current # of meters:</i> 55	66,654	67,288	634
4" Capacity Fee	<i>Current # of meters:</i> 24	104,148	105,137	989
6" Capacity Fee	<i>Current # of meters:</i> 13	208,295	210,275	1,980
8" Capacity Fee	<i>Current # of meters:</i> 2	333,272	336,440	3,168
10" Capacity Fee	<i>Current # of meters:</i> 1	479,079	483,632	4,553
12" Capacity Fee	<i>Current # of meters:</i> 0	895,670	904,181	8,511
Meter Service Lateral Inspection	635	641	6	0.9%
RPDA Inspection	573	578	5	0.9%
RPDA and Lateral Inspection Without Shutdown	1,323	1,334	11	0.8%
RPDA and Lateral Inspection With Shutdown	2,198	2,216	18	0.8%
Fire Hydrant Inspection	938	945	7	0.7%
Fire Hydrant and Lateral Inspection without Shutdown	1,688	1,701	13	0.8%
Fire Hydrant and Lateral Inspection with Shutdown	2,063	2,079	16	0.8%

*New Fee

Vista Irrigation District
PROPOSED FEE SUMMARY
Effective: January 1, 2021

	<u>Current Fee</u>	<u>Proposed Fee</u>	<u>\$ Change</u>	<u>% Change</u>
<u>Customer Service Fees:</u>				
Late Penalty	\$ 15	\$ 15	\$ -	-
Delinquent Door Hanger	65	66	1	1.5%
Delinquent Lock	148	153	5	3.4%
Delinquent Lock Hardship*	50	50	-	-
After Hours Lock or Unlock	166	167	1	0.6%
After Hours Unlock Hardship*	150	150	-	-
Broken Lock	166	167	1	0.6%
Pulled Meter	166	167	1	0.6%
Tax Roll	89	88	(1)	(1.1%)
Returned Check	37	36	(1)	(2.7%)
Voluntary Lock or Unlock	63	63	-	0.0%
Meter Bench Test	417	420	3	0.7%
5/8" Damaged Curb Stop	802	816	14	1.7%
3/4" Damaged Curb Stop	802	816	14	1.7%
1" Damaged Curb Stop	847	853	6	0.7%
<u>Water Conservation Fees:</u>				
Second Water Citation within 12 Months	\$ 220	\$ 221	\$ 1	0.5%
Third Water Citation within 12 Months	456	442	(14)	(3.1%)
Four or More Water Citations within 12 Months	692	662	(30)	(4.3%)
1" and Smaller Flow Restrictor Installation & Removal	292	295	3	1.0%
1½" and 2" Flow Restrictor Installation & Removal	554	552	(2)	(0.4%)

*Hardship: 200% below the Federal Poverty Line

4.4 RATES, SERVICE CHARGES AND FEES

Adoption Date:	10-16-2019
Action:	Approved by the VID Board of Directors, Minute Order No. 19-10-110 ; Resolution 19-30

4.4.1 Purpose

The purpose of this policy is to establish water rates and service related charges for services provided by the District.

4.4.2 Water Rate Definitions

A. Billing Period

There are six Billing Periods per year, approximating two months each, which may vary by days from one period to another.

B. Service Charge

A flat charge to each account, based on meter size, which recovers the fixed costs of the District operations.

C. San Diego County Water Authority (CWA) Fee

A flat fee charged by the CWA to each account based on meter size, which recovers CWA's infrastructure access charge.

D. Willful Misrepresentation

Purposeful presentation of a material fact for the purpose of securing a rate, allotment or special benefit for an unqualified account.

4.4.3 Water Rates and Service Related Charges *(Revised 11-1-17; Resolution 17-40)*

A. Pass Through of Wholesale Water and Water-Related Service Fees and Charges

All San Diego County Water Authority (CWA) fees and charges for wholesale water and water-related services shall be passed through to Vista Irrigation District customers. The automatic pass through of costs is for a period of five years, terminating on October 18, 2022. These pass throughs shall be calculated by dividing the total billings from CWA for usage charges by the quantity of budgeted water sales.

B. Annual Water Rate Adjustment

Effective each July 1, the District's water rates will be adjusted to reflect inflationary costs. Such increases shall be calculated as an increase equal to the amount of the increase in the U.S. Department of Labor's Consumer Price Index – All Urban Consumers – San Diego, California for the previous calendar year ended. These adjustments shall be reflected on invoices sent on or after July 1 of each of the following years: 2018, 2019, 2020, 2021, and 2022.

C. Water Rate Structure

The District has established a water rate structure consisting of three tiers for all water usage except for participants in the Special Agricultural Water Rate (SAWR). Participants in SAWR will be billed at a flat rate. Monthly water allocations for the three tiered rates will be determined by meter size according to the following table.

<u>Meter Size</u>	<u>Monthly Allocation</u>		
	<u>Tier 1</u>	<u>Tier 2</u>	<u>Tier 3</u>
5/8"	0-7	8-42	43+
3/4"	0-10	11-60	61+
1"	0-25	26-150	151+
1 1/2"	0-50	51-300	301+
2"	0-80	81-480	481+
3"	0-160	161-960	961+
4"	0-250	251-1,500	1,501+
6"	0-500	501-3,000	3,001+
8"	0-800	801-4,800	4,801+
10"	0-1,150	1,151-6,900	6,901+

D. Water Usage Charge

Water use will be charged according to the following table, however the Tier 3 rate will only be imposed during times of water delivery cutbacks imposed by the San Diego County Water Authority. When no water delivery cutbacks are imposed by the Water Authority, Tier 3 usage will be billed at the Tier 2 rate.

<u>Tier</u>	<u>Rate Per Unit*</u>
Tier 1	\$ 4.35
Tier 2	4.89
Tier 3**	4.89

Agricultural Water Programs

<u>Program</u>	<u>Rate Per Unit*</u>
SAWR	\$ 3.83
Domestic usage	4.67

* 1 unit = 748 Gallons

** Tier 3 usage will be billed at the tier 2 rate when no delivery cutbacks are imposed.

E. Service Charge

<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$31.06
3/4" or 3/4" x 1"	40.97
1"	60.54
1 1/2"	109.89
2"	168.89
3"	326.30
4"	503.27
6"	1,191.88
8"	1,585.55
10"	2,372.57

F. San Diego County Water Authority (CWA) Fee

<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$3.66
3/4" or 3/4" x 1"	3.66
1"	5.86
1 1/2"	10.98
2"	19.03
3"	35.14
4"	60.02
6"	109.80
8"	190.32
10"	285.48

G. Locked Meters

The Service Charge and other fixed charges on locked meters shall be twenty-five percent (25%) of the regular charges for that account.

H. Construction Water

All construction water delivered via a construction meter shall be billed at the highest water rate tier and applicable Service Charge.

I. Fire Connection Services

Fire protection connection services, both metered and unmetered, shall be charged the Service Charge applicable to a 5/8" meter. All water used through the detector meter or a metered connection shall be billed at the Water Usage Charge for water.

J. Agricultural Water Programs

A discounted Water Usage Charge will be applied to each individual qualifying agricultural account in an amount equal to the agricultural water rate and/or other reduced charges from the San Diego County Water Authority (CWA). The District will use a melded rate, based on the agricultural water rates and other reduced charges for treated and untreated water, as the discount. Adjustments to the agricultural program rates will be concurrent with any adjustments to CWA agricultural water rates and other charges for treated and untreated water. Resolution Nos. 10-43 and 12-35 are hereby made a part of these Rules and Regulations by reference.

4.4.4 Service Related Charges

A. Non-Scheduled or Special Meter Readings

When requested by a customer, the District will make a special reading of a meter. For water billings based upon special readings, the above Service Charge and other fixed charges, and the Billing Period will be divided by the number of days in that billing period. The Service Charge and other fixed charges to be billed will be based on the number of days that the customer has received service since the last regularly scheduled meter reading. The same method will be used in prorating the number of units in all rate tiers.

B. Meter Bench Test

When requested by a customer, the District will bench test or, in the case of large meters, trailer test meters at a cost of \$ ~~417.00~~ 420.00 per test.

C. Ownership of Fire Hydrants

The VID entered into agreements with the City of Vista and the Vista Fire Protection District concerning the installation and maintenance of fire hydrants. These agreements are incorporated into these Rules and Regulations by this reference. The main segments of the agreement require VID to supply water at no charge for fire suppression and training and to relocate, reconstruct or replace fire hydrants at its expense. VID is responsible for the cost of all fire hydrant repairs and maintenance, including those brought about by traffic accidents or vandalism. Minor maintenance is the responsibility of

the Fire Agency, as is annual inspections. This agreement is renewed yearly and may be canceled with a 30-day written notification by any of the parties.

D. Service Installations During Construction (Construction Meters)

1. 1” Construction Meters with Backflow Device

1” Construction Meters with Backflow Device may be issued to the applicant for a maximum of 30 days. The 1” Construction Meter with Backflow Device without a spanner wrench shall require a \$ ~~1,024.00~~ 1,068.00 deposit, of which \$ ~~580.00~~ 615.00 is refundable upon return of the meter in good condition within 35 days. The 1” Construction Meter with Backflow Device and a spanner wrench shall require a \$ ~~1,045.00~~ 1,088.00 deposit, of which \$ ~~598.00~~ 631.00 is refundable upon return of the meter and spanner wrench in good condition within 35 days. Water usage shall not be billed, but shall be deducted from the refundable deposit at the then current domestic water rate. The cost of necessary repairs to the meter will also be deducted from the deposit. The refund will be forfeited if the meter is not returned within 35 days.

2. 3” Construction Meters with Backflow Device (For a maximum of one year; new application required after one year)

A \$ ~~4,018.00~~ 4,138.00 deposit shall be required on all construction meters with backflow device, \$ ~~2,772.00~~ 2,867.00 of the deposit is refundable upon return of the meter and backflow device in good condition. All construction water shall be billed at the highest water rate tier and applicable Service Charge. Moving a construction meter and backflow device from one location to another shall cost \$ ~~167.00~~ 168.00 per move. The charge for an unauthorized construction meter and backflow device move shall be \$ ~~322.00~~ 335.00. The meter and backflow device may be recalled for repeated offenses. Resetting the pressure-sustaining valve shall cost \$ ~~198.00~~ 200.00. Developers must use construction meters and backflow devices for landscaping, road grading or construction purposes. Prior to placing the new water system in service, construction water must be obtained from a construction meter served by the existing water distribution system. When the new water distribution system has progressed to the point that it may be placed into service, all service outlets shall be locked. The developer may then make application for subdivision construction water for on-site work.

3. Subdivision Construction Meters

An \$ ~~8,874.00~~ 8,827.00 deposit shall be required on a Subdivision Construction Meter. \$ ~~2,042.00~~ 2,037.00 of that deposit is retained for

administration and testing for a net refundable deposit of \$ ~~6,832.00~~
6,790.00 if the meter is returned in good condition.

4.4.5 Administrative/Document Fees

The following fees shall be charged to customers and/or applicants where applicable:

Annexations (Administrative Fee)	
VID is Conducting Agency for Reorganization	\$ 2,262.00 <u>2,280.00</u>
VID is Conducting Agency	\$ 2,262.00 <u>2,280.00</u>
VID is Not Conducting Agency	\$ 2,262.00 <u>2,280.00</u>
Construction Contract (Preparation Fee)	\$ 1,757.00 <u>1,771.00</u>
Detachments (Administrative Fee)	
VID is Conducting Agency	\$ 2,262.00 <u>2,280.00</u>
VID is Not Conducting Agency	\$ 2,262.00 <u>2,280.00</u>
Grant of Right of Way (Document)	\$ 573.00 <u>577.00</u>
Private Ownership Agreement (Document)	\$ 818.00 <u>825.00</u>
Quitclaim/Cancellation of Recorded Documents	\$ 695.00 <u>700.00</u>
<u>Encroachment Permit</u>	\$ <u>573.00</u>
<u>Joint Use Agreement</u>	\$ <u>412.00</u>
<u>Exchange Meter Agreement</u>	\$ <u>410.00</u>
Water Availability Letter Update	\$ 136.00 <u>137.00</u>
Water Availability Letter	\$ 292.00 <u>295.00</u>

4.4.6 Annexation/Detachment (Change of Boundaries) Per Acre Fees

A. Annexation Fees (See Sec. 3.1)

\$ ~~6,802.00~~ 6,867.00 per acre.

B. Detachment Fee (See Sec. 3.1)

\$0 per acre

4.4.7 Backflow Device Charges

New backflow device installations will be investigated and monitored with a set-up fee of \$ ~~250.00~~ 252.00. The District will not be responsible for testing and repairs to such devices once they are entered on the monitoring system. (See "Cross Connection Control," Section 6.3.)

4.4.8 Collection of Connection Fees

For water meters purchased on or after January 1, 2018 that abut an existing water main or are determined to be a "Permanent Offsite Service" per Section 3.8.6 (Temporary and Permanent Offsite Water Services), the cost of connecting service is included as part of the "Capacity Fee" established in Section 4.4.16.

Connection fees shall be collected for the following cases:

A. Temporary Offsite Service (see Section 3.8.6)

In addition to the charges otherwise provided by these regulations, the cost for providing a Temporary Offsite Service will be \$ ~~6,763.00~~ 6,718.00, plus an additional charge of \$ ~~64.00~~ 62.00 per foot of frontage.

The cost of permit associated with a Temporary Offsite Service is dependent upon its jurisdiction and will be determined at the time of its application.

B. Permanent Water Service resulting from a Temporary Service Agreement (TSA)

Conversion from a temporary offsite service to a permanent onsite service to satisfy the terms and conditions of a TSA shall be \$ ~~7,457.00~~ 7,418.00 plus an additional charge of \$ ~~64.00~~ 62.00 per foot of frontage.

Conversion from a temporary offsite service to a permanent onsite service excluding private plumbing tieback to satisfy the terms and conditions of a TSA shall be \$ ~~5,837.00~~ 5,798.00 plus an additional charge of \$ ~~64.00~~ 62.00 per foot of frontage.

The cost of permit associated with a Permanent Water Service resulting from a Temporary Service Agreement (TSA) is dependent upon its jurisdiction and will be determined at the time of its application.

C. Connection to “Pipeline Extensions Constructed by Developers” (See Section 3.8.7 C).

Connection fee shall be established in a payback agreement between the District and Developer.

4.4.9 Engineering Service Fees

A. Hydraulic Analysis with Schematic Layout

Upon request by landowner or his agent, the District shall perform a hydraulic analysis to determine required facilities, including pipeline sizes, and shall provide applicant with a schematic layout of required facilities to serve the proposed project. The cost for providing hydraulic analysis with schematic layout is \$ ~~782.00~~ 788.00.

B. Statement of Cost

After the hydraulic analysis with schematic layout has been done by the District, upon request by landowner or his agent, the District will provide a statement of cost which shall provide the applicant with a detailed cost of constructing said facilities using District forces. The cost for providing a statement of cost will be \$ ~~470.00~~ 473.00. The statement of cost is effective for 30 days.

C. Updated Statement of Cost

After 30-days have elapsed, an updated statement of cost will be required. The cost for an updated statement of cost will be \$ ~~209.00~~ 211.00.

D. Fire Flow Analysis

The cost for providing fire flow analysis only will be \$ ~~229.00~~ 231.00.

E. Plan Check

The District will check all improvement plans, and if acceptable, will approve said improvement plans. The fee for plan checking will be \$ ~~483.00~~ 487.00 per sheet excluding all sheets not showing water lines or appurtenances.

F. As-Built Drawings

The District requires all final As-Built drawings to be submitted at the end of the project. A deposit of \$ ~~466.00~~ 469.00 per sheet is collected at the beginning of the project. After acceptance of As-Built drawings and the project by the District, the deposit will be refunded.

G. Meter Service Lateral Inspection

The cost for inspecting a service lateral connected to our main by an outside contractor will be \$ ~~635.00~~ 641.00.

H. RPDA Inspection

The cost associated with inspection of a Reduced Pressure Detector Assembly (RPDA) is as follows:

RPDA inspection	\$ 573.00 <u>578.00</u>
RPDA and lateral inspection without shutdown	\$ 1,323.00 <u>1,334.00</u>
RPDA and lateral inspection with shutdown	\$ 2,198.00 <u>2,216.00</u>

I. Water Supply Assessment

The fee for preparation of a water supply study is variable and is dependent upon the number of hours spent by District staff preparing the study. The charge will be based on actual costs.

4.4.10 Fire Hydrant Installations

Full installations include up to 30 feet of pipe. Any pipe required for the installation over and above the 30 feet allowed in the flat rate for full installation shall be at additional cost. The cost of permit associated with fire hydrant installations will be determined at the time of application. The cost of permit is dependent upon its jurisdiction.

Full Installation	\$ 17,071.00 <u>17,041.00</u>
Upgrade	\$ 6,011.00 <u>6,519.00</u>

The cost associated with inspection of a Fire Hydrant is as follows:

Fire Hydrant inspection	\$ 938.00 <u>945.00</u>
Fire Hydrant and lateral inspection without shutdown	\$ 1,688.00 <u>1,701.00</u>
Fire Hydrant and lateral inspection with shutdown	\$ 2,063.00 <u>2,079.00</u>

4.4.11 Fire Service

4" Fire Service Connection	\$ 12,120.00 <u>11,723.00</u>
6" Fire Service Connection	\$ 12,634.00 <u>12,303.00</u>
8" Fire Service Connection	\$ 13,576.00 <u>13,256.00</u>
10" Fire Service Connection	\$ 15,198.00 <u>14,824.00</u>

Fire service connection installations include up to 30 feet of pipe. Any pipe required for the installation over and above the 30 feet allowed shall be at an additional cost. When an in-line gate valve, air vent and blow-off is required, a fee of \$ ~~4,093.00~~ 4,035.00 will be charged. The cost of permit associated with fire service connections will be determined at the time of application. The cost of permit is dependent upon its jurisdiction.

4.4.12 Water Meter Fees

A. Water Meter Fees

⁵ / ₈ " Hook-on Meter	\$ 683.00 <u>677.00</u>
Service Outlet	\$ 4,871.00 <u>4,975.00</u>
Full Installation	\$ 5,554.00 <u>5,652.00</u>

The smallest meter size allowable shall be a ³/₄" meter. A ⁵/₈" meter is only allowed for installation in condominiums, and mobile home subdivisions where each unit is metered separately or in similar low demand non-landscaping uses as approved by the District General Manager.

(Resolution No. 4191, Last Revision 2/16/83: Resolution 83-15)

3/4" Hook-on Meter	\$ 680.00
Service Outlet	\$ 4,871.00 <u>4,975.00</u>
Full Installation	\$ 5,551.00 <u>5,655.00</u>
1" Hook-on Meter	\$ 767.00 <u>795.00</u>
Service Outlet	\$ 4,871.00 <u>4,975.00</u>
Full Installation	\$ 5,638.00 <u>5,770.00</u>
1 1/2" Hook-on Meter	\$ 1,896.00 <u>1,857.00</u>
Service Outlet	\$ 5,859.00 <u>5,845.00</u>
Full Installation	\$ 7,755.00 <u>7,702.00</u>
2" Hook-on Meter	\$ 1,653.00 <u>1,689.00</u>
Service Outlet	\$ 5,859.00 <u>5,845.00</u>
Full Installation	\$ 7,512.00 <u>7,534.00</u>
3" or larger sized meters by estimate only	

The cost of permit associated with water meter installations will be determined at the time of application. The cost of permit is dependent upon its jurisdiction.

B. Cost for Reduction of Meter Size

Reduction of a meter size shall be performed by the District upon written request by the owner. The owner shall be responsible for the cost of labor and parts associated with the reduction of a meter size. However, there shall be no charge to the owner for the cost of the new meter. Owner shall retain equity in the meter based on the smaller size.

The costs associated with reduction of a meter size are as follows:

Meter downsize from 3/4"	\$ 521.00 <u>525.00</u>
Meter downsize from 1"	\$ 521.00 <u>525.00</u>
Meter downsize from 1 1/2"	\$ 944.00 <u>950.00</u>
Meter downsize from 2"	\$ 1,190.00 <u>1,202.00</u>

The reduction of a meter size from 3" or larger sized meter is by estimate only.

C. Refunds for Discontinued Meters

There are no refunds for discontinued meters.

D. Collection of Capacity Fee on Behalf of the San Diego County Water Authority

This District will not accept any otherwise eligible application for meter service installation unless it is accompanied by payment of the applicable

capacity fee imposed by the San Diego County Water Authority. These fees are in accordance with the schedule authorized by the San Diego County Water Authority, which may be changed by that agency from time to time. This District is acting only as a collection agent for these fees.

E. Cancellation of Meter Application or Service Change

The cost for canceling a meter application or service change after it has been submitted and processed will be \$ ~~261.00~~ 263.00.

F. Service Lateral Termination

The cost for terminating a meter service lateral will be \$ ~~1,958.00~~ 1,914.00.

G. Commercial Irrigation Service Conversion

The cost for converting an existing domestic commercial service lateral into a dedicated combination irrigation and domestic service will be \$ ~~1,972.00~~ 1,954.00.

4.4.13 District Overhead

A 25% material burden factor will be applied to all bills rendered for parts or material furnished by the District. In addition, an 8% services burden will be applied to all bills rendered that require the District to administer a contract.

4.4.14 Fees Related to Payment of Bills

A. Delinquent Bills and Meters Locked for Non-Payment

All water bills are due and payable upon presentation. If unpaid pursuant to Sections 2.2.3 and 2.2.4, the bill becomes delinquent. If not paid by the penalty date, the service becomes subject to discontinuance and will be charged a fee of \$ 15.00. Prior to discontinuing a service, a reminder is given to the customer by attaching a door hanger. The fee charged for a door hanger will be \$ ~~65.00~~ 66.00. Returned check charge will be \$ ~~37.00~~ 36.00.

Pursuant to Water Code 25806, unpaid water charges may be added to and become a part of the annual assessment levied upon the real property. The cost for reporting delinquent accounts that are added to the property tax roll will be \$ ~~89.00~~ 88.00.

Services that are locked for non-payment of water bills will be charged an additional \$ ~~148.00~~ 153.00; customers who qualify for the Delinquent Lock Hardship fee will be charged \$ 50.00. To unlock a meter after hours, there

will be a charge of \$ ~~166.00~~ 167.00; customers who qualify for the After-hours Unlock Hardship fee will be charged \$ 150.00.

Broken District locks shall be billed at the rate of \$ ~~166.00~~ 167.00 per lock. If a meter is pulled for delinquency, there will be a minimum charge of \$ ~~166.00~~ 167.00.

The fees charged for repairing damaged curb stops are as follows:

5/8" damaged curb stop:	\$ 802.00 <u>816.00</u>
3/4" damaged curb stop:	\$ 802.00 <u>816.00</u>
1" damaged curb stop:	\$ 847.00 <u>853.00</u>

The fee for repairing damaged curb stops larger than 1" is variable and is dependent upon the number of hours spent by District staff and parts used. The fee will be based on actual costs.

B. Meters Locked by Request of Owner

Upon written request by owner, the meter will be locked as a convenience to the customer by the District for a charge of \$ 63.00 and subsequently unlocked for an additional \$ 63.00. To lock or unlock a meter after hours, there will be a charge of \$ ~~166.00~~ 167.00.

Locked meters will be charged a bi-monthly Readiness-to-Serve charge based on twenty-five percent (25%) of the Readiness-to-Serve charge for that account.

Locking of meters at the request of the owner does not relieve the owner of the responsibility for payment for any water used through the meter or for any damage resulting therefrom. All water registered through the meter after the District has locked the meter shall be paid for by the customer.

4.4.15 Specification Books

Purchase of District Standard Specifications for the Construction of Pipelines shall be \$ ~~70.00~~ 68.00. The purchase covers the updating of the specifications for one year from the date of purchase.

4.4.16 Capacity Fees

For all potable water meters installed and for all reclaimed water meters (excepting those areas subject to the contract with Buena Sanitation District dated May 19, 1981), the following charges shall be made:

<u>Meter Size</u>	<u>Capacity Fee</u>
5/8"	\$ 4,166.00 <u>4,205.00</u>
3/4"	\$ 6,249.00 <u>6,308.00</u>
1"	\$ 10,415.00 <u>10,514.00</u>
1 1/2"	\$ 20,830.00 <u>21,027.00</u>
2"	\$ 33,327.00 <u>33,644.00</u>

3"	\$ 66,654.00 <u>67,288.00</u>
4"	\$ 104,148.00 <u>105,137.00</u>
6"	\$ 208,295.00 <u>210,275.00</u>
8"	\$ 333,272.00 <u>336,440.00</u>
10"	\$ 479,079.00 <u>483,632.00</u>
12"	\$ 895,670.00 <u>904,181.00</u>

These fees are not refundable. If the size of the meter is increased, the difference in capacity fees between the new and old meter at the current prices will be paid. There is no refund of the capacity fees if the meter is reduced in size.

The Board of Directors will waive all capacity fees when installing individual meters at multiple residences served by an existing single meter and will request that the San Diego County Water Authority will also waive their capacity fees for the customer.

4.4.17 Water Conservation Fees

Second water citation within 12 months	\$ 220.00 <u>221.00</u>
Third water citation within 12 months	\$ 456.00 <u>442.00</u>
In addition, a flow restrictor may be installed for up to five days.	
Four or more water citations within 12 months	\$ 692.00 <u>662.00</u>
In addition, a flow restrictor may be installed or service may be discontinued.	
1" and smaller flow restrictor installation & removal	\$ 292.00 <u>295.00</u>
1½" and 2" flow restrictor installation & removal	\$ 554.00 <u>552.00</u>

These fees will be added to the water account and will be subject to Section 2.2 - Billing Procedures.

4.4.18 Unauthorized Taking of District Water

If it is determined there has been an unauthorized use of District water through an illegal hook-up, the fee for this unauthorized taking of District water will be \$ ~~2,665.00~~ 2,708.00.

RESOLUTION NO. 20-xx

RESOLUTION OF THE BOARD OF DIRECTORS
OF VISTA IRRIGATION DISTRICT
AMENDING CERTAIN PROVISIONS OF THE DISTRICT'S RULES AND REGULATIONS
RELATIVE TO FEES AND CHARGES OTHER THAN WATER RATES

WHEREAS the District has performed detailed cost studies on all fees and charges, and

WHEREAS, the fees adopted in the Resolution supersede any previous fees adopted, and

WHEREAS, it is necessary to make changes to said fees and charges due to inflationary factors and the detailed analyses of the cost make-up of each fee,

WHEREAS, on October 7, 2020, the Board of Directors of the Vista Irrigation District conducted a noticed public hearing on the proposed changes to certain fees and charges other than water rates, and considered the evidence and testimony presented at the public hearing, and

WHEREAS, based upon the analysis and information provided by District staff, the Board of Directors finds and determines that, with respect to each fee or charge proposed to be changed, the proposed fee or charge does not exceed the reasonable cost of providing the service for which the fee is charged.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Vista Irrigation District does hereby amend certain provisions of the District's Rules and Regulations as follows:

4.4 RATES, SERVICE CHARGES AND FEES

4.4.1 Purpose

The purpose of this policy is to establish water rates and service related charges for services provided by the District.

4.4.2 Water Rate Definitions

A. Billing Period

There are six Billing Periods per year, approximating two months each, which may vary by days from one period to another.

B. Service Charge

A flat charge to each account, based on meter size, which recovers the fixed costs of the District operations.

C. San Diego County Water Authority (CWA) Fee

A flat fee charged by the CWA to each account based on meter size, which recovers CWA's infrastructure access charge.

D. Willful Misrepresentation

Purposeful presentation of a material fact for the purpose of securing a rate, allotment or special benefit for an unqualified account.

4.4.3 Water Rates and Service Related Charges *(Revised 11-1-17; Resolution 17-40)*

A. Pass Through of Wholesale Water and Water-Related Service Fees and Charges

All San Diego County Water Authority (CWA) fees and charges for wholesale water and water-related services shall be passed through to Vista Irrigation District customers. The automatic pass through of costs is for a period of five years, terminating on October 18, 2022. These pass throughs shall be calculated by dividing the total billings from CWA for usage charges by the quantity of budgeted water sales.

B. Annual Water Rate Adjustment

Effective each July 1, the District’s water rates will be adjusted to reflect inflationary costs. Such increases shall be calculated as an increase equal to the amount of the increase in the U.S. Department of Labor’s Consumer Price Index – All Urban Consumers – San Diego, California for the previous calendar year ended. These adjustments shall be reflected on invoices sent on or after July 1 of each of the following years: 2018, 2019, 2020, 2021, and 2022.

C. Water Rate Structure

The District has established a water rate structure consisting of three tiers for all water usage except for participants in the Special Agricultural Water Rate (SAWR). Participants in SAWR will be billed at a flat rate. Monthly water allocations for the three tiered rates will be determined by meter size according to the following table.

<u>Meter Size</u>	<u>Monthly Allocation</u>		
	<u>Tier 1</u>	<u>Tier 2</u>	<u>Tier 3</u>
5/8"	0-7	8-42	43+
3/4"	0-10	11-60	61+
1"	0-25	26-150	151+
1 1/2"	0-50	51-300	301+
2"	0-80	81-480	481+
3"	0-160	161-960	961+
4"	0-250	251-1,500	1,501+
6"	0-500	501-3,000	3,001+
8"	0-800	801-4,800	4,801+
10"	0-1,150	1,151-6,900	6,901+

D. Water Usage Charge

Water use will be charged according to the following table, however the Tier 3 rate will only be imposed during times of water delivery cutbacks imposed by the San Diego County Water Authority. When no water delivery cutbacks are imposed by the Water Authority, Tier 3 usage will be billed at the Tier 2 rate.

<u>Tier</u>	<u>Rate Per Unit*</u>
Tier 1	\$ 4.35
Tier 2	4.89
Tier 3**	4.89

Agricultural Water Programs

<u>Program</u>	<u>Rate Per Unit*</u>
SAWR	\$ 3.83
Domestic usage	4.67

* 1 unit = 748 Gallons

** Tier 3 usage will be billed at the tier 2 rate when no delivery cutbacks are imposed.

E. Service Charge

<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$31.06
3/4" or 3/4" x 1"	40.97
1"	60.54
1 1/2"	109.89
2"	168.89
3"	326.30
4"	503.27
6"	1,191.88
8"	1,585.55
10"	2,372.57

F. San Diego County Water Authority (CWA) Fee

<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$3.66
3/4" or 3/4" x 1"	3.66
1"	5.86
1 1/2"	10.98
2"	19.03
3"	35.14
4"	60.02
6"	109.80
8"	190.32
10"	285.48

G. Locked Meters

The Service Charge and other fixed charges on locked meters shall be twenty-five percent (25%) of the regular charges for that account.

H. Construction Water

All construction water delivered via a construction meter shall be billed at the highest water rate tier and applicable Service Charge.

I. Fire Connection Services

Fire protection connection services, both metered and unmetered, shall be charged the Service Charge applicable to a 5/8" meter. All water used through the detector meter or a metered connection shall be billed at the Water Usage Charge for water.

J. Agricultural Water Programs

A discounted Water Usage Charge will be applied to each individual qualifying agricultural account in an amount equal to the agricultural water rate and/or other reduced charges from the San Diego County Water Authority (CWA). The District will use a melded rate, based on the agricultural water rates and other reduced charges for treated and untreated water, as the discount. Adjustments to the agricultural program rates will be concurrent with any adjustments to CWA agricultural water rates and other charges for treated and untreated water. Resolution Nos. 10-43 and 12-35 are hereby made a part of these Rules and Regulations by reference.

4.4.4 Service Related Charges

A. Non-Scheduled or Special Meter Readings

When requested by a customer, the District will make a special reading of a meter. For water billings based upon special readings, the above Service Charge and other fixed charges, and the Billing Period will be divided by the number of days in that billing period. The Service Charge and other fixed charges to be billed will be based on the number of days that the customer has received service since the last regularly scheduled meter reading. The same method will be used in prorating the number of units in all rate tiers.

B. Meter Bench Test

When requested by a customer, the District will bench test or, in the case of large meters, trailer test meters at a cost of \$420.00 per test.

C. Ownership of Fire Hydrants

The VID entered into agreements with the City of Vista and the Vista Fire Protection District concerning the installation and maintenance of fire hydrants. These agreements are incorporated into these Rules and Regulations by this reference. The main segments of the agreement require VID to supply water at no charge for fire suppression and training and to relocate, reconstruct or replace fire hydrants at its expense. VID is responsible for the cost of all fire hydrant repairs and maintenance, including those brought about by traffic accidents or vandalism. Minor maintenance is the responsibility of the Fire Agency, as is annual inspections. This agreement is renewed yearly and may be canceled with a 30-day written notification by any of the parties.

D. Service Installations During Construction (Construction Meters)

1. 1" Construction Meters with Backflow Device

1" Construction Meters with Backflow Device may be issued to the applicant for a maximum of 30 days. The 1" Construction Meter with Backflow Device without a spanner wrench shall require a \$1,068.00 deposit, of which \$615.00 is refundable upon return of the meter in good condition within 35 days. The 1" Construction Meter with Backflow Device and a spanner wrench shall require a \$1,088.00 deposit, of which \$631.00 is refundable upon return of the meter and spanner wrench in good condition within 35 days. Water usage shall not be billed, but shall be deducted from the refundable deposit at the then current domestic water rate. The cost of necessary repairs to the meter will also be deducted from the deposit. The refund will be forfeited if the meter is not returned within 35 days.

2. 3" Construction Meters with Backflow Device (For a maximum of one year; new application required after one year)

A \$4,138.00 deposit shall be required on all construction meters with backflow device, \$2867.00 of the deposit is refundable upon return of the meter and backflow device in good condition. All construction water shall be billed at the highest water rate tier and applicable Service Charge. Moving a construction meter and backflow device from one location to another shall cost \$168.00 per move. The charge for an unauthorized construction meter and backflow device move shall be \$335.00. The meter and backflow device may be recalled for repeated offenses. Resetting the pressure-sustaining valve shall cost \$200.00. Developers must use construction meters and backflow devices for landscaping, road grading or construction purposes. Prior to placing the new water system in service, construction water must be obtained from a construction meter served by the existing water distribution system. When the new water distribution system has progressed to the point that it may be placed into service, all service outlets shall be locked. The

developer may then make application for subdivision construction water for on-site work.

3. Subdivision Construction Meters

An \$8,827.00 deposit shall be required on a Subdivision Construction Meter. \$2,037.00 of that deposit is retained for administration and testing for a net refundable deposit of \$6,790.00 if the meter is returned in good condition.

4.4.5 Administrative/Document Fees

The following fees shall be charged to customers and/or applicants where applicable:

Annexations (Administrative Fee)	
VID is Conducting Agency for Reorganization	\$ 2,280.00
VID is Conducting Agency	\$ 2,280.00
VID is Not Conducting Agency	\$ 2,280.00
Construction Contract (Preparation Fee)	\$ 1,771.00
Detachments (Administrative Fee)	
VID is Conducting Agency	\$ 2,280.00
VID is Not Conducting Agency	\$ 2,280.00
Grant of Right of Way (Document)	\$ 577.00
Private Ownership Agreement (Document)	\$ 825.00
Quitclaim/Cancellation of Recorded Documents	\$ 700.00
Encroachment Permit	\$ 573.00
Joint Use Agreement	\$ 412.00
Exchange Meter Agreement	\$ 410.00
Water Availability Letter Update	\$ 137.00
Water Availability Letter	\$ 295.00

4.4.6 Annexation/Detachment (Change of Boundaries) Per Acre Fees

A. Annexation Fees (See Sec. 3.1)

\$6,867.00 per acre.

B. Detachment Fee (See Sec. 3.1)

\$0 per acre

4.4.7 Backflow Device Charges

New backflow device installations will be investigated and monitored with a set-up fee of \$252.00. The District will not be responsible for testing and repairs to such devices once they are entered on the monitoring system. (See "Cross Connection Control," Section 6.3.)

4.4.8 Collection of Connection Fees

For water meters purchased on or after January 1, 2018 that abut an existing water main or are determined to be a “Permanent Offsite Service” per Section 3.8.6 (Temporary and Permanent Offsite Water Services), the cost of connecting service is included as part of the “Capacity Fee” established in Section 4.4.16.

Connection fees shall be collected for the following cases:

A. Temporary Offsite Service (see Section 3.8.6)

In addition to the charges otherwise provided by these regulations, the cost for providing a Temporary Offsite Service will be \$6,718.00, plus an additional charge of \$62.00 per foot of frontage.

The cost of permit associated with a Temporary Offsite Service is dependent upon its jurisdiction and will be determined at the time of its application.

B. Permanent Water Service resulting from a Temporary Service Agreement (TSA)

Conversion from a temporary offsite service to a permanent onsite service to satisfy the terms and conditions of a TSA shall be \$7,418.00 plus an additional charge of \$62.00 per foot of frontage.

Conversion from a temporary offsite service to a permanent onsite service excluding private plumbing tieback to satisfy the terms and conditions of a TSA shall be \$5,798.00 plus an additional charge of \$62.00 per foot of frontage.

The cost of permit associated with a Permanent Water Service resulting from a Temporary Service Agreement (TSA) is dependent upon its jurisdiction and will be determined at the time of its application.

C. Connection to “Pipeline Extensions Constructed by Developers” (See Section 3.8.7 C).

Connection fee shall be established in a payback agreement between the District and Developer.

4.4.9 Engineering Service Fees

A. Hydraulic Analysis with Schematic Layout

Upon request by landowner or his agent, the District shall perform a hydraulic analysis to determine required facilities, including pipeline sizes, and shall provide applicant with a schematic layout of required facilities to serve the proposed project. The cost for providing hydraulic analysis with schematic layout is \$788.00.

B. Statement of Cost

After the hydraulic analysis with schematic layout has been done by the District, upon request by landowner or his agent, the District will provide a statement of cost which shall provide the applicant with a detailed cost of constructing said facilities using District forces. The cost for providing a statement of cost will be \$473.00. The statement of cost is effective for 30 days.

C. Updated Statement of Cost

After 30-days have elapsed, an updated statement of cost will be required. The cost for an updated statement of cost will be \$211.00.

D. Fire Flow Analysis

The cost for providing fire flow analysis only will be \$231.00.

E. Plan Check

The District will check all improvement plans, and if acceptable, will approve said improvement plans. The fee for plan checking will be \$487.00 per sheet excluding all sheets not showing water lines or appurtenances.

F. As-Built Drawings

The District requires all final As-Built drawings to be submitted at the end of the project. A deposit of \$469.00 per sheet is collected at the beginning of the project. After acceptance of As-Built drawings and the project by the District, the deposit will be refunded.

G. Meter Service Lateral Inspection

The cost for inspecting a service lateral connected to our main by an outside contractor will be \$641.00.

H. RPDA Inspection

The cost associated with inspection of a Reduced Pressure Detector Assembly (RPDA) is as follows:

RPDA inspection	\$ 578.00
RPDA and lateral inspection without shutdown	\$ 1,334.00
RPDA and lateral inspection with shutdown	\$ 2,216.00

I. Water Supply Assessment

The fee for preparation of a water supply study is variable and is dependent upon the number of hours spent by District staff preparing the study. The charge will be based on actual costs.

4.4.10 Fire Hydrant Installations

Full installations include up to 30 feet of pipe. Any pipe required for the installation over and above the 30 feet allowed in the flat rate for full installation shall be at additional cost. The cost of permit associated with fire hydrant installations will be determined at the time of application. The cost of permit is dependent upon its jurisdiction.

Full Installation	\$ 17,041.00
Upgrade	\$ 6,519.00

The cost associated with inspection of a Fire Hydrant is as follows:

Fire Hydrant inspection	\$ 945.00
Fire Hydrant and lateral inspection without shutdown	\$ 1,701.00
Fire Hydrant and lateral inspection with shutdown	\$ 2,079.00

4.4.11 Fire Service

4" Fire Service Connection	\$ 11,723.00
6" Fire Service Connection	\$ 12,303.00
8" Fire Service Connection	\$ 13,256.00
10" Fire Service Connection	\$ 14,824.00

Fire service connection installations include up to 30 feet of pipe. Any pipe required for the installation over and above the 30 feet allowed shall be at an additional cost. When an in-line gate valve, air vent and blow-off is required, a fee of \$4,035.00 will be charged. The cost of permit associated with fire service connections will be determined at the time of application. The cost of permit is dependent upon its jurisdiction.

4.4.12 Water Meter Fees

A. Water Meter Fees

⁵ / ₈ " Hook-on Meter	\$ 677.00
Service Outlet	\$ 4,975.00
Full Installation	\$ 5,652.00

The smallest meter size allowable shall be a ³/₄" meter. A ⁵/₈" meter is only allowed for installation in condominiums, and mobile home subdivisions where each unit is metered separately or in similar low demand non-landscaping uses as approved by the District General Manager.

(Resolution No. 4191, Last Revision 2/16/83: Resolution 83-15)

3/4" Hook-on Meter	\$ 680.00
Service Outlet	\$ 4,975.00
Full Installation	\$ 5,655.00
1" Hook-on Meter	\$ 795.00
Service Outlet	\$ 4,975.00
Full Installation	\$ 5,770.00
1 1/2" Hook-on Meter	\$ 1,857.00
Service Outlet	\$ 5,845.00
Full Installation	\$ 7,702.00
2" Hook-on Meter	\$ 1,689.00
Service Outlet	\$ 5,845.00
Full Installation	\$ 7,534.00
3" or larger sized meters by estimate only	

The cost of permit associated with water meter installations will be determined at the time of application. The cost of permit is dependent upon its jurisdiction.

B. Cost for Reduction of Meter Size

Reduction of a meter size shall be performed by the District upon written request by the owner. The owner shall be responsible for the cost of labor and parts associated with the reduction of a meter size. However, there shall be no charge to the owner for the cost of the new meter. Owner shall retain equity in the meter based on the smaller size.

The costs associated with reduction of a meter size are as follows:

Meter downsize from 3/4"	\$ 525.00
Meter downsize from 1"	\$ 525.00
Meter downsize from 1 1/2"	\$ 950.00
Meter downsize from 2"	\$ 1,202.00

The reduction of a meter size from 3" or larger sized meter is by estimate only.

C. Refunds for Discontinued Meters

There are no refunds for discontinued meters.

D. Collection of Capacity Fee on Behalf of the San Diego County Water Authority

This District will not accept any otherwise eligible application for meter service installation unless it is accompanied by payment of the applicable capacity fee imposed by the San Diego County Water Authority. These fees are in accordance with the schedule authorized by the San Diego County

Water Authority, which may be changed by that agency from time to time. This District is acting only as a collection agent for these fees.

E. Cancellation of Meter Application or Service Change

The cost for canceling a meter application or service change after it has been submitted and processed will be \$263.00.

F. Service Lateral Termination

The cost for terminating a meter service lateral will be \$1,914.00.

G. Commercial Irrigation Service Conversion

The cost for converting an existing domestic commercial service lateral into a dedicated combination irrigation and domestic service will be \$1,954.00.

4.4.13 District Overhead

A 25% material burden factor will be applied to all bills rendered for parts or material furnished by the District. In addition, an 8% services burden will be applied to all bills rendered that require the District to administer a contract.

4.4.14 Fees Related to Payment of Bills

A. Delinquent Bills and Meters Locked for Non-Payment

All water bills are due and payable upon presentation. If unpaid pursuant to Sections 2.2.3 and 2.2.4, the bill becomes delinquent. If not paid by the penalty date, the service becomes subject to discontinuance and will be charged a fee of \$15.00. Prior to discontinuing a service, a reminder is given to the customer by attaching a door hanger. The fee charged for a door hanger will be \$66.00. Returned check charge will be \$36.00.

Pursuant to Water Code 25806, unpaid water charges may be added to and become a part of the annual assessment levied upon the real property. The cost for reporting delinquent accounts that are added to the property tax roll will be \$88.00.

Services that are locked for non-payment of water bills will be charged an additional \$153.00; customers who qualify for the Delinquent Lock Hardship fee will be charged \$50.00. To unlock a meter after hours, there will be a charge of \$167.00; customers who qualify for the After-hours Unlock Hardship fee will be charged \$150.00.

Broken District locks shall be billed at the rate of \$167.00 per lock. If a meter is pulled for delinquency, there will be a minimum charge of \$167.00.

The fees charged for repairing damaged curb stops are as follows:

5/8" damaged curb stop:	\$ 816.00
3/4" damaged curb stop:	\$ 816.00
1" damaged curb stop:	\$ 853.00

The fee for repairing damaged curb stops larger than 1" is variable and is dependent upon the number of hours spent by District staff and parts used. The fee will be based on actual costs.

B. Meters Locked by Request of Owner

Upon written request by owner, the meter will be locked as a convenience to the customer by the District for a charge of \$63.00 and subsequently unlocked for an additional \$63.00. To lock or unlock a meter after hours, there will be a charge of \$167.00.

Locked meters will be charged a bi-monthly Readiness-to-Serve charge based on twenty-five percent (25%) of the Readiness-to-Serve charge for that account.

Locking of meters at the request of the owner does not relieve the owner of the responsibility for payment for any water used through the meter or for any damage resulting therefrom. All water registered through the meter after the District has locked the meter shall be paid for by the customer.

4.4.15 Specification Books

Purchase of District Standard Specifications for the Construction of Pipelines shall be \$68.00. The purchase covers the updating of the specifications for one year from the date of purchase.

4.4.16 Capacity Fees

For all potable water meters installed and for all reclaimed water meters (excepting those areas subject to the contract with Buena Sanitation District dated May 19, 1981), the following charges shall be made:

<u>Meter Size</u>	<u>Capacity Fee</u>
5/8"	\$ 4,205.00
3/4"	\$ 6,308.00
1"	\$ 10,514.00
1 1/2"	\$ 21,027.00
2"	\$ 33,644.00
3"	\$ 67,288.00
4"	\$ 105,137.00
6"	\$ 210,275.00
8"	\$ 336,440.00
10"	\$ 483,632.00
12"	\$ 904,181.00

These fees are not refundable. If the size of the meter is increased, the difference in capacity fees between the new and old meter at the current prices will be paid. There is no refund of the capacity fees if the meter is reduced in size.

The Board of Directors will waive all capacity fees when installing individual meters at multiple residences served by an existing single meter and will request that the San Diego County Water Authority will also waive their capacity fees for the customer.

4.4.17 Water Conservation Fees

Second water citation within 12 months	\$ 221.00
Third water citation within 12 months	\$ 442.00
In addition, a flow restrictor may be installed for up to five days.	
Four or more water citations within 12 months	\$ 662.00
In addition, a flow restrictor may be installed or service may be discontinued.	
1" and smaller flow restrictor installation & removal	\$ 295.00
1½" and 2" flow restrictor installation & removal	\$ 552.00

These fees will be added to the water account and will be subject to Section 2.2 - Billing Procedures.

4.4.18 Unauthorized Taking of District Water

If it is determined there has been an unauthorized use of District water through an illegal hook-up, the fee for this unauthorized taking of District water will be \$2,708.00.

The foregoing findings are based upon the staff reports presented to the Board of Directors and its fiscal policy committee regarding these fees and charges, as well as the written fee analyses prepared by District staff, all of which are on file at the District offices and available for public review.

Based upon the foregoing findings, the adoption or amendment of the fees and charges in this Resolution are exempt from the California Environmental Quality Act, Public Resources Code Section 21000, et seq. ("CEQA"), pursuant to State CEQA Guidelines §15273. District staff is authorized to file a Notice of Exemption in accordance with CEQA with respect to the adoption of this Resolution.

Upon approval by the Board of Directors these fees and charges will be effective January 1, 2021.

PASSED AND ADOPTED by the following roll call vote of the Board of Directors for the Vista Irrigation District this 7th day of October 2020.

AYES:

NOES:

ABSTAIN:

ABSENT:

Richard L. Vásquez, President

ATTEST:

Lisa R. Soto, Secretary
Board of Directors

**PROOF OF PUBLICATION
(2010 & 2011 C.C.P.)**

**STATE OF CALIFORNIA
County of San Diego**

I am a citizen of the United States and a resident of the County aforesaid: I am over the age of eighteen years and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of

The San Diego Union Tribune

Formerly known as the North County Times and UT North County and which newspaper has been adjudicated as a newspaper of general circulation by the Superior Court of the County of San Diego, State of California, for the City of Oceanside and the City of Escondido, Court Decree numbers 171349 & 172171, for the County of San Diego, that the notice of which the annexed is a printed copy (set in type not smaller than nonpariel), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

September 28th & October 4th, 2020

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at **TEMECULA, California this
5th, day October, 2020**

Jane Allshouse
Jane Allshouse

The San Diego Union Tribune Legal Advertising

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that Vista Irrigation District will hold a public hearing in its Board Room located at 1391 Engineer Street, Vista, California, on Wednesday, October 7, 2020, at 9:00 a.m. to consider revising the Rules and Regulations of the District relating to adjustment of fees and charges other than water rates. All interested parties are invited to observe and participate in this public hearing to express opinions and/or present evidence relative to this matter and the fees being proposed.

Consistent with Governor Newsom's Executive Orders N-29-20 and N-33-20, and guidance from the County of San Diego, State of California, and Centers for Disease Control, members of the public will not be able to attend this hearing in person. Members of the public may observe and participate in the public hearing through Vista Irrigation District's teleconferencing line. The phone number and applicable pass code for such participation is as follows: Phone (877) 873-8018; Pass Code 474698#.

Telephone participants who are interested in observing and/or participating in the public hearing regarding the fees being considered are requested to place calls to the number listed above at or before 8:50 a.m. on October 7, 2020, so the District staff can organize the number and order of speakers and assure the ability of all who wish to participate. Please also note telephone or data charges from your carrier may apply to your telephonic participation. To maintain orderliness in proceedings, phone participants will be asked to identify themselves and their address. Telephone participants are asked to limit background noise during telephonic participation (with muting features, if available) and to maintain proper decorum suitable to the conduct of public hearings. Telephone participants should be prepared to speak when the public hearing is opened on the Board meeting agenda and only when recognized by the Board President.

Members of the public may also present testimony or evidence at the public hearing by way of e-mail transmission. Such email communication must be received at or before the time of the commencement of the public hearing. The email address to use for such communications is as follows: **BoardSecretary@vidwater.org**.

Members of the public may also present testimony or evidence at the public hearing by way of traditional mail or expedited courier service. Mailed testimony or evidence should be addressed as follows: Lisa Soto, Board Secretary, Vista Irrigation District, 1391 Engineer Street, Vista, CA 92081. Only mailed submissions received at such address on or before the 9:00 a.m. hearing time on October 7, 2020 will be considered.

Please take notice that if you or anyone on whose behalf you are acting wishes to challenge any of the matters considered at the public hearing, in court or through other legal means, you may be limited to raising only such subjects as were raised through the conduct of the hearing.

The proposed new fee schedule to be considered by the Board in connection with the public hearing may be viewed on the District's website at **<https://www.vidwater.org/notice-of-public-hearing>**. Such materials, and other requests for information, may also be requested by contacting the Board Secretary's office at the address listed above, or by telephoning (760) 597-3128, between 8:00 a.m. and 5:00 p.m., Monday through Friday.

/s/ Lisa R. Soto, Secretary
Board of Directors
VISTA IRRIGATION DISTRICT



STAFF REPORT

Agenda Item: 8

Board Meeting Date: October 7, 2020
Prepared By: Don Smith, Randy Whitmann,
Frank Wolinski & Marlene Kelleher
Approved By: Brett Hodgkiss

SUBJECT: DIVISION REPORTS

RECOMMENDATION: Note and file informational report.

PRIOR BOARD ACTION: None.

FISCAL IMPACT: None.

SUMMARY: Previous month's and anticipated activities are reported by each division.

ADMINISTRATION DIVISION

September

- The District's total water production for August 2020 was 1,812 acre-feet (AF) compared to 2,136 AF in 2013, representing a 15% decrease.
- Continued coordinating implementation of the COVID-19 Response and Action Plan.
- Began recruitments for Laborer Trainee, Construction Worker and Welder Helper positions.
- Coordinated flu shots for employees, Directors and family members.

October

- Continue coordinating implementation of the COVID-19 Response and Action Plan.
- Continue recruitments for Laborer Trainee, Construction Worker and Welder Helper positions.
- Begin recruitment for Engineering Services Manager.

OPERATIONS & FIELD SERVICES DIVISION

September

- Inspected and tested 19 new backflow devices that were integrated into the District's cross-connection control program.
- Water Quality Calls/Incidents for September – received two taste/odor and two discolored water calls. One taste/odor call was for excessive chlorine; all chlorine tests were within normal parameters. The remaining calls were investigated and determined to be private plumbing issues.
- Completed mainline replacement of Nipponite and steel pipe on Pala Vista Drive – installed approximately 650' of 8-inch PVC pipe, six services and three hydrant laterals.
- Began mainline replacement of AC and steel pipe on Nettleton Road – install approximately 550 feet of various sizes of PVC pipe and six services. Approximately 25% complete.
- Continued mainline replacement of AC pipe on York Drive – install approximately 9,000' of various sizes of PVC pipe, 142 services and 14 hydrant laterals. Approximately 40% complete.

October

- Continue work on Pechstein reservoir beam reinforcement project.
- Submit triennial sanitary survey to State Water Resources Control Board.
- Continue mainline replacement of AC and steel pipe on Nettleton Road – install approximately 550 feet of various size PVC pipe and six services.

- Continue mainline replacement of AC pipe on York Drive – install approximately 9,000’ of various size PVC pipe, 142 services and 14 hydrant laterals.

Electrical Energy Use at VID Headquarters

August 2020

	Current Month Production	Average of Last 12 Months	Total, Fiscal Year-to-Date
Description	(kWh)	(kWh)	(kWh)
Solar Production (\$0.18 per kWh)	33,481	31,055	68,976
Power purchased from Direct Energy (\$0.05 per kWh)	18,428	12,205	29,913
TOTAL ELECTRICAL ENERGY USE	51,909	43,260	98,889

ENGINEERING DIVISION

September

- The District has replaced approximately 9.25 miles of Nipponite pipe since 2002. Of the 6.72 miles of Nipponite pipe remaining in the system, replacement of 1.66 miles is currently in design and 0.0 miles is in construction.
- The District has replaced approximately 2,900 feet (0.55 miles) of pipe (steel – 100 feet, PVC – 0 feet, non-Nipponite asbestos cement – 2,800 feet and Nipponite – 0 feet) in Fiscal Year 2021.
- Buena Creek (HB) Reservoir Rehabilitation – Richard Brady and Associates continued reservoir inlet and outlet improvements, coating the interior of the tank wall, and applying shotcrete to the exterior wall. Cost estimate/bid summary table attached.
- Edgehill (E) Reservoir Replacement and Pump Station – Dudek submitted 100% design for review.
- Four Reservoirs Seismic and Structural Analysis – reviewed final draft analysis report for the evaluation of the Virginia Place (A), Summit Trail (C), Cabrillo Circle (E-1) and Deodar reservoirs and provided comments to Murray Smith.
- Projects along Flume
 - The Villages – 380 dwelling unit residential subdivision along Country Club Lane, between Nutmeg Street and Pamela Lane in Escondido. Project includes storm drain work along the Jones Siphon in addition to the relocation of an 18-inch transmission main feeding the Bennett service area. Project requires District review and approval of three tract maps, encroachment permit, joint use agreement, grant of right of way, improvement plan, and quitclaim and bill of sale. One tract map, encroachment permit, joint use agreement, and grant of right of way approved by the Board; all other items are currently in plan check.

October

- Mainline Replacement Projects in design (current projects): Alta Vista Dr., Vista Grande Dr.*, Lonsdale Ln.*, Plumosa Ave., Lita Ln., Catalina Ave.*, Oak Dr.*, San Clemente Way*, Calle Maria, Via Christina, Olive Ave.*, Green Hills Way, Elevado Rd., Portia Ave.*, Rush Ave.* (Total length = 3.60 miles).
- Mainline Replacement Projects in planning (future projects): Friendly Dr.*, N. Citrus Ave.*, E. Vista Way, Mason Rd., Lado De Loma, Eddy Dr., Camino Patricia, Camino Corto, Nordahl Rd.*, HN Line- Gopher Canyon to Fairview Dr., Buena Creek Rd.*, Robinhood Rd., Lower Ln., Easy St., Rancho Vista Rd., Bandini Place, McGavran Dr., Oro Avo Dr., Shale Rock, La Mirada, Crescent Dr., Descanso Ave., Mar Vista Dr., Miramar Dr., Camino Culebra*, Camino Loma Verde*, San Clemente Ave.* (Total length = 8.65 miles).

- City of Vista Projects – (Paseo) South Santa Fe Streetscape Improvements: Phase II along South Santa Fe Avenue from Ocean View to Terrace Drive (CIP #8289); Phase III along South Santa Fe Avenue from Terrace Drive to Civic Center Drive (CIP #9291). Project currently in construction and District to continue inspecting water facilities installed by City’s contractor. (Total length = 0.77 miles).
- Buena Creek (HB) Reservoir Rehabilitation – Richard Brady and Associates to complete seismic retrofits, continue reservoir inlet and outlet improvements and begin yard piping improvements.
- Edgemoor (E) Reservoir Replacement and Pump Station –continue reviewing 100% design submittal.
- Four Reservoirs Seismic and Structural Analysis – Murray Smith to incorporate final comments and submit final report for the evaluation of the Virginia Place (A), Summit Trail (C), Cabrillo Circle (E-1) and Deodar reservoirs.

*Nipponite pipe

WATER RESOURCES DIVISION

VID Water Production August 2020

Description	Current Month Production		Average Production of Last 12 Months		Total, Fiscal Year-to-Date
	(mgd)	(af)	(mgd)	(af)	(af)
<i>VID's EVWTP Water Production</i>					
Local Water	0.00	0.10	2.44	226.78	303.40
SDCWA Raw Water	13.00	1,236.80	7.79	729.45	2,238.90
Subtotal (EVWTP Water Production)	13.00	1,236.90	10.23	956.23	2,542.30
Oceanside Contract Water	1.71	162.80	1.35	125.96	162.80
SDCWA Treated Water	5.07	482.20	3.15	296.74	959.30
TOTAL WATER PRODUCTION	19.78	1,881.90	14.72	1,378.93	3,664.40

Lake Henshaw and Warner Ranch Wellfield statistics are summarized as follows:

Lake Henshaw

Storage as of September 29, 2020:	5,790 af (11% of 51,832 af capacity)
Current releases:	0 cfs
Change in storage for month of August:	569 af (loss)
Total releases for month of August:	8 af
Hydrologic year-to-date rain total:	0.00 inches (September 29, 2020)
Percent of yearly average rain:	0% (30-year average: 25.05 inches)
Percent of year-to-date average rain:	0% (30-year average through September: 0.94 in.)

Warner Ranch Wellfield

Number of wells running in August:	3
Total production for month of August:	139 af (70's wells)
Average depth to water table (August):	90 ft (see attached historical water table chart)

September

- Warner Ranch Ditch Repair Project: Contractor has completed placing, backfilling and encasing approximately 230 feet of 24-inch reinforced concrete pipe (RCP) and 2,000 feet of 36-inch RCP along western reach of the project. Clean-outs and connections are being formed as pipe placement progresses. Expense and progress report as of August 31, 2020 attached.
- Performed sampling for Harmful Algal Blooms (HABs) in Lake Henshaw on September 8, 14, 21 and 28; levels of microcystin remain above advisory thresholds. Advisory signage for recreational use at Lake Henshaw remains posted and releases from the lake remain suspended. Sent Request for Qualifications to five consultants to assist in the development of a long term HAB Management and Mitigation Plan for Lake Henshaw and Lake Wohlford; responses due by October 22, 2020.
- Met in the field with City of Escondido staff, consultants and the San Pasqual Band representatives to evaluate the suitability of five alternate sites for locating the San Pasqual Undergrounding Project desilting basin. San Pasqual staff will review the issue with the San Pasqual Business Committee and give us preliminary feedback.

October

- Continue Warner Ranch Ditch Repair Project.
- Continue coordination and consultation regarding HABs at Lake Henshaw. Begin review of statements of qualifications received from consultants to assist in the development of a long term Harmful Algal Bloom Management and Mitigation Plan for Lake Henshaw and Lake Wohlford.

ATTACHMENTS: Lake Henshaw Resort, Inc., Activity Reports – July 2020
VID's Warner Wellfield – Water Table Depth vs. Monthly Wellfield Production

BUENA CREEK (HB) RESERVOIR REHABILITATION BUDGET UPDATE - OCTOBER 2020

Description of Work	Budgeted Cost	Actual Bid Cost	Over or Under Budgeted Amount
Initial Site Work - M-Rae			
<i>Demolish Existing Fence, Steel Roof, Gate, Grub Site, Initial Site Work for Crane and Equipment Access</i>	\$59,693	\$39,919	-\$19,774
Exterior Stairs - Suez			
<i>Disassemble, Transport, Protect, Store, and Reinstall Exterior Stairs</i>	\$52,718	\$50,488	-\$2,230
Roof Demolition - DN Tanks			
<i>Roof Demolition, Remediate Existing Asbestos</i>	\$809,400	\$1,026,840	\$217,440
Tank Improvements - DN Tanks			
<i>Footing Modifications, Seismic Cables, Wall Shotcrete, Tank Exterior Crack Repair, Pressure Wash Tank Interior, Interior Floor and Wall Crack Repairs, Seal Existing Floor Joints, Demolish Existing Inlet/Outlet, Modify Drain, Construct New Inlet, Outlet, Washdown, Demolish Exist Inlet/Outlet, Modify Drain, Construct Inlet, Outlet, Washdown, Construct New Concrete Floor, Construct New Concrete Cap Beam, CIM Wall-Slab Joint, Construct New Staff Gage, New Overflow, Post Construction Leak Test, Install Corrosion Protection System</i>	\$1,814,961	\$1,507,421	-\$307,541
Interior Reservoir Stairs - DN Tanks			
<i>Design, Furnish, Install, New Interior Access Stairs</i>	\$170,400	\$172,800	\$2,400
Interior Coatings - DN Tanks			
<i>Prepare Surface, Apply Coatings to Interior Wall</i>	\$210,870	\$323,630	\$112,760
Aluminum Dome Roof - CST			
<i>Design, Furnish, Install, New Aluminum Roof and Appurtenances</i>	\$785,570	\$668,127	-\$117,443
Yard Piping Improvements - M-Rae			
<i>Demolish Exist Yard Piping, Fittings, Valves, and Appurtenances, Construct New Yard Piping, Construct New Valve Vault, Remove and Replace Drain Valve, Construct Yard Piping Corrosion Protection System</i>	\$651,569	\$611,514	-\$40,055
Electrical Improvements - M-Rae			
<i>Construct New Conduit, Junctions and Pull Boxes</i>	\$37,275	\$88,296	\$51,021
Stormwater Drainage and Final Site Work - M-Rae			
<i>Demolish Existing Asphalt, Rough Grade Site, Install Subsurface Waterproofing, Modify Underdrains, Construct New Storm Drain Inlet and Piping, Connect to Exist Manhole, Finish Grade, Construct Concrete V-gutter, Pave Site with Asphalt Concrete</i>	\$192,812	\$339,307	\$146,495
Additional AC Pavement			
<i>Access Road Asphalt Paving</i>	\$101,500	\$91,300	-\$10,200
Security Fence			
<i>Construct New Chain Link Security Fence</i>	\$72,953		
Exterior Reservoir Coating - DN Tanks			
<i>Pressure Wash, Apply Coatings to Reservoir Exterior</i>	\$58,575	\$59,281	\$706
General Conditions (ongoing)			
<i>Provide Trailer, Porta Potty, Reproduction, Temporary Facilities, Insurance, Bonds, Special Inspection and Testing, Potholing, Surveying, Video, Install and Maintain Stormwater Best Management Practices</i>	\$343,692	\$200,308	-\$143,384
Construction Total To Date	\$5,361,988	\$5,179,231	-\$182,758

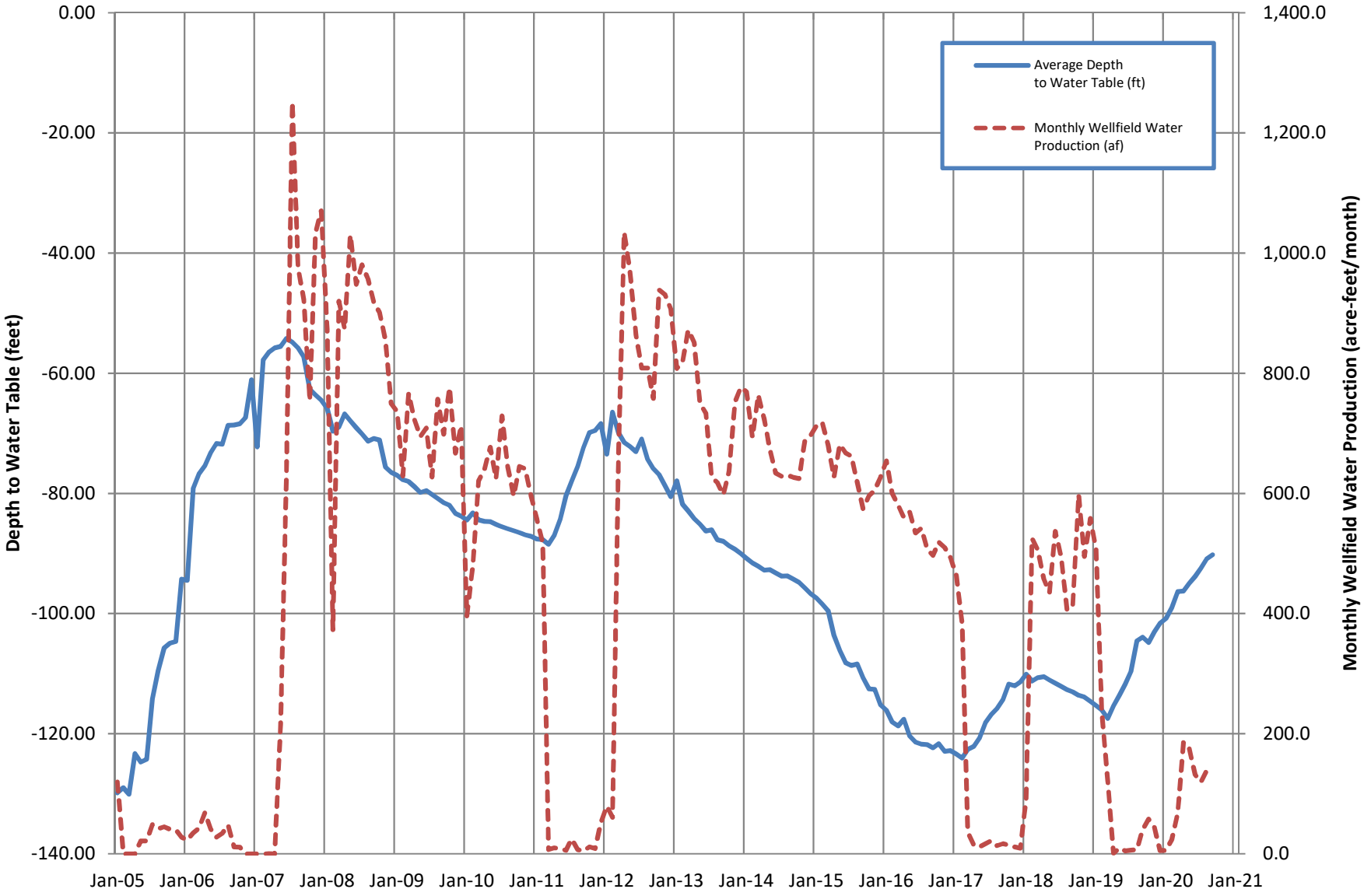


**LAKE HENSHAW RESORT, INC.
ACTIVITY REPORT
AS JULY 31, 2020**

	2019 Jul	2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec	2020 Jan	2020 Feb	2020 Mar	2020 Apr	2020 May	2020 Jun	2020 Jul	12 MO AVG
Fishing Permits	751	687	404	301	244	112	102	179	96	4	714	1,015	910	397
Boat Launches	50	23	82	7	0	0	0	7	1	0	16	23	14	14
Motor Boats (full day rental)	47	42	19	7	4	2	7	4	0	0	14	38	57	16
Motor Boats (half day rental)	4	13	15	1	0	0	0	1	0	0	4	11	14	5
Campground/Head Count	979	1,188	488	196	128	39	110	94	51	5	879	1,062	1,562	484
Campground/Cars, Trucks, etc.	391	703	211	148	64	15	20	16	18	4	329	429	502	205
Campground/Recreational Vehicles	3	24	12	0	12	0	0	1	3	0	6	8	9	6
Mobile Home/Spaces	77	77	76	75	66	64	51	51	53	53	68	68	69	64
M.H.P. Daily (Visitors/Head Count)	56	100	102	98	67	63	28	20	16	15	2	0	4	43
M.H.P. (Residents/Head Count)	98	95	94	92	102	94	83	83	83	83	99	98	99	92
Storage	3	3	6	4	4	7	4	5	5	6	6	6	6	5
Cabins	158	177	126	144	144	98	88	82	45	35	118	191	231	123
Hunters	0	0	0	0	0	98	80	0	0	0	0	0	0	15

VID's Warner Wellfield

Water Table Depth vs. Monthly Wellfield Production



Warner Ranch Ditch Repair Project
Overview of Expenses and Estimated Progress

Progress & Invoicing as of: 8/31/2020

	Contract Amount	Invoiced to Date	Percent Invoiced	Estimated Percent Complete
Cass Arrieta - Contractor				
Item 1 - Base Budget	\$ 1,678,025.00	\$ 646,724.17	39%	48%
Item 2 - Unforeseen SKR Delays	\$ 90,720.00	\$ -	0%	0%
Item 3 - District Controlled Contingency	\$ 150,000.00	\$ 8,017.70	5%	7%
Total Contract	\$ 1,918,745.00	\$ 654,741.87	34%	43%

Invoiced amount reflects time and materials costs for work performed through August 31, 2020.

Expenses for this period cover the following activities:

- Eastern Reach - placement concrete cap
- Western Reach:
 - Placement of 1,830' of 36" RCP with gravel bedding and filter fabric
 - Placement of 1,285' of concrete cap over 36" RCP
 - Construct 3 transition structures
 - Construct part of 4 cleanout/well connection structures

	Contract Amount	Invoiced to Date	Percent Invoiced	Estimated Percent Complete
Infrastructure Engineering Corporation - CM/Inspection				
Total Contract	\$ 139,840.00	\$ 41,010.00	29%	43%
Helix Environmental - SKR Monitoring *				
Total Contract	\$ 109,300.00	\$ 36,844.50	34%	43%



STAFF REPORT

Agenda Item: 9

Board Meeting Date: October 7, 2020
Prepared By: Randy Whitmann
Approved By: Brett Hodgkiss

SUBJECT: REQUEST FOR PROPOSAL FOR VISTA FLUME REPLACEMENT ALIGNMENT STUDY

RECOMMENDATION: Approve the request for proposal for the Vista Flume Replacement Alignment Study.

PRIOR BOARD ACTION: On April 1, 2020, the Board selected replacement of the Vista Flume as the preferred alternative project from the Water Supply Planning Study and authorized staff to initiate efforts to replace the Vista Flume.

FISCAL IMPACT: Cost of the proposed services is estimated to be between \$1.5 and \$2 million. The District has budgeted \$750,000 for the study in Fiscal Year 2021.

SUMMARY: The District maintains capacity rights from two sources, raw water treated at the Escondido-Vista Water Treatment Plant (EVWTP) located at Lake Dixon and multiple treated water connections along the San Diego County Water Authority's (Water Authority's) aqueducts. To reduce costs, the District typically maximizes the locally treated water supply at EVWTP and relies on the 11-mile Vista Flume (Flume) for conveyance into the District. During a planned 10-day shutdown along the Water Authority's Second Aqueduct, the District is dependent on the Flume.

With the Flume approaching its useful life, a Water Supply Planning Study (WSPS) was prepared to evaluate whether the Flume should be replaced or retired. Results of the WSPS showed that Flume replacement was the least costly option for the District (between \$120 million and \$130 million), providing superior supply reliability and affording the opportunity for continued regional cooperation with the City of Escondido and Rincon del Diablo Municipal Water District. The Board has reached a consensus that replacement of the Flume is the preferred alternative for the District and authorized moving forward with planning efforts.

DETAILED REPORT: The WSPS establishes two cursory alignment concepts; replace the Flume as one construction project with an all-new pipeline alignment or phase the replacement over time with multiple projects by selecting a hybrid pipeline alignment that connects to existing siphon sections. An all-new pipeline is likely to have the shortest length, lowest construction cost and the least impact on deliveries of local water during construction. Although a phased approach likely means a longer alignment and higher capital costs, it may have less of an impact on cash flow and water rates provided the replacement of certain bench sections can wait and it makes sense to rehabilitate siphon sections based on condition assessment results. The alignment study will build upon the WSPS alignment concepts, and the consultant will develop and select a preferred alignment for both options such that the financial impacts can be analyzed. In addition, the alignment study will research and identify all available local, state and federal funding sources and opportunities that are available to the District.

A 'long-list' of alternative pipeline alignments and facility configurations will be developed, evaluated, and screened based on various considerations including health and regulatory permits, maintaining minimum pressures, engineering and constructability issues, environmental/geotechnical constraints, overall capital costs, implementation schedule, impacts to local water deliveries, cash flow, and impacts to rates. Given the likely numerous initial alignment options combined with the many ranking criteria, a coarse and fine screening approach (similar to the approach used in the WSPS) is requested to eliminate alternatives at a higher level prior to performing more detailed analyses (e.g., environmental constraints study, siphon condition assessments, preliminary plan and profile drawings, etc.).

The draft Request for Proposals is attached, and staff proposes sending it to Black & Veatch, Brown and Caldwell, Dudek, Hoch Consulting, Infrastructure Engineering Corporation, Jacobs (CH2M), Kennedy/Jenks, NV5, Tetra Tech, and Woodard & Curran (RMC). In addition to selecting one of these firms for the bulk of the alignment study work, the District would like to engage, under separate contract, the services from DLM Engineering/Gillingham Water for technical peer review and Helix Environmental for the concurrent environmental investigations for the alignments. Once preliminary results are available and financial impacts known, additional services from a financial consultant may be needed to assist the District in selecting and obtaining the appropriate financing option for the project. After the planning process is complete, and the District selects an alignment, the next phases will include project design, California Environmental Quality Act (CEQA) documentation and construction.

ATTACHMENT: Draft Request for Proposal – Vista Flume Replacement Alignment Study

REQUEST FOR PROPOSALS
FOR
FLUME REPLACEMENT ALIGNMENT STUDY

PROPOSALS DUE:
November 19, 2020
4:00 p.m.

VISTA IRRIGATION DISTRICT
1391 ENGINEER STREET
VISTA, CA 92081

TABLE OF CONTENTS

1. REQUEST FOR PROPOSAL REQUIREMENTS	3
2. BACKGROUND AND STUDY OVERVIEW	5
2.1. DISTRICT BACKGROUND	5
2.2. STUDY BACKGROUND	6
2.3. STUDY OVERVIEW	7
3. SCOPE OF SERVICES	8
3.1. ALIGNMENT ALTERNATIVE DEVELOPMENT	9
3.1.1. FIELD RECONNAISSANCE, DATA COLLECTION, UTILITY SEARCH, AND RIGHT OF WAY	9
3.1.2. FLUME CONDITION ASSESSMENT	10
3.1.2.1. BENCH SECTIONS	11
3.1.2.2. SIPHON SECTIONS	11
3.1.3. PRELIMINARY GEOTECHNICAL INVESTIGATION	13
3.1.4. ENVIRONMENTAL AND PERMITTING COORDINATION	14
3.1.5. SYSTEM HYDRAULIC ANALYSIS AND FLOW CONTROL REQUIREMENTS	17
3.1.6. STUDY PHASING AND TIMING	18
3.1.7. PIPELINE DESIGN CRITERIA AND CONCEPTUAL DESIGN	18
3.1.8. COST ESTIMATES, IMPLEMENTATION SCHEDULES, FUNDING RESEARCH, AND CASH FLOW	19
3.2. ALTERNATIVE SCREENING AND BOARD OF DIRECTORS WORKSHOPS	20
3.3. STUDY MANAGEMENT, QUALITY CONTROL, AND MEETINGS	22
4. TENTATIVE STUDY SCHEDULE	22
5. DISTRICT PROVIDED MATERIALS	22

1. REQUEST FOR PROPOSAL REQUIREMENTS

Vista Irrigation District (District) is seeking proposals from qualified engineering consulting firms for preparation of the District's Flume Replacement Alignment Study (Study).

Telephone inquiries and site visits are encouraged to define details of the subject Study. Individual meetings may be scheduled upon request. Contact only the District staff member listed at the end of this section for additional information or to set up a phone meeting/site visit. Any existing pertinent District documents that might be useful in the preparation of the Consultant's proposal will be made available for review during the Request for Proposal (RFP) phase. The Consultant shall comply with all provisions of California laws dealing with prevailing wages, apprentices, and hours of work.

Proposal packages must be received at District Offices prior to 4:00 p.m., Thursday, November 19, 2020. Each proposal package shall include: five hard copies and one digital (PDF) copy of the proposal and one hard copy and one digital (PDF) copy of the fee estimate. The fee estimate shall be in a separate sealed envelope.

Proposals will be reviewed by District staff for responsiveness, understanding of the work, proposed Study approach, scope of work, relevant experience, Study team and schedule. Firms deemed most qualified may be invited to participate in a presentation and interview; the consultant team at the interview shall include, at a minimum, the project manager and the individual proposed to have the most hourly involvement. The firm chosen will be invited to negotiate a final contract price and scope of work. In the event a successful contract cannot be negotiated, the District shall have the option to contact the second ranked firm to negotiate a contract. The selected firm will be required to enter into the District's Agreement for Services (see attached) and provide insurance certificates and endorsements as stipulated in the Agreement.

The District reserves the right to any to eliminate any portion of the requested services from the scope of work.

The proposal shall be limited to 40 pages on 8 ½ x 11 paper (excluding appendix). 11 x 17 paper may be used for exhibits and figures and count as one page. The proposal shall be developed with at least the following sections with labeled tabs for easy reference:

- Understanding of the Study
- Relevant Experience and Contacts
- Approach to the Study
- Scope of Work
- Proposed Team and Organizational Chart
- Schedule of Work
- Appendix (if needed)

The following format shall be used for an in-depth proposal development. These items are intended as minimum guidelines only. Additional categories deemed to be necessary for a

complete proposal may be added following these sections.

Understanding of the Study: The proposal shall contain a detailed explanation of the Study as viewed by the proposal author; do not simply restate the contents of the RFP. The information offered should be a concise presentation of the consultant's knowledge of the area and understanding of the technical needs of the Study. The proposal shall be responsive to the needs of the attached detailed scope of services of the RFP.

Relevant Experience and Contacts: This section shall include a complete listing of similar studies located in California performed by the proposed team members. Each Study description shall include the scope of work, date completed, fee and current contact information, including current phone number, for each reference of whom questions can be asked about the Study. Similar studies and experience working with San Diego County governmental agencies on related facilities should be highlighted, although studies requiring similar skills and expertise outside the local area will also be considered.

Study Approach: The proposal shall contain a description of the logistics necessary to accomplish the work including place of work for major Study phases, conceptual organization of major phases, use of sub-contractors, and meetings. If the consultant has ideas for an alternate approach to achieve the Study objectives in a more cost effective or comprehensive manner, the consultant should include those ideas in this section.

Scope of Work: The proposal shall contain enough detail to demonstrate that a strategy has been developed to accomplish the work in an efficient and timely manner. The detailed scope of work should be developed in conjunction with the schedule of work in order to provide phasing requirements, milestones and decision points that will affect the progress of the work, outcomes, and recommended alignments.

Study Team: The Study team shall be listed by name of person from the project manager through the project engineer and any other individual, organization, or sub-consultant having more than five percent hourly involvement. Each team member's relevant experience with similar studies and level of responsibility shall be provided.

Schedule of Work: The proposal shall contain a schedule showing elements of work corresponding to the detailed Scope of Work for all tasks. The elements of work shall comprise the y-axis of the table. The x-axis shall comprise a time line for completion of each element of work. Milestones and decision points shall be identified on the time line where necessary.

Appendix: Exhibits and other pertinent information, as needed, shall be included in an Appendix at the back of the proposal.

Fee Estimate: The fee estimate shall be provided in a separate sealed envelope in the proposal package. The fee estimate will not be used in the initial evaluation of the proposals. A detailed fee estimate shall be provided for all tasks of the Study.

The detailed fee estimate should correspond to the Scope of Work. The elements of work shall

comprise the y-axis of the table. The names or initials of individual team members or discipline shall comprise the x-axis of the table. Hourly involvement by each team member should be listed for each element of work. The hours should be extended by individual billing rate for each work element. Expenses and other costs should be shown for each task. Each task should be subtotaled. The total cost of all tasks shall be the proposed fee for the Study.

All inquiries regarding this RFP should be directed to Greg Keppler, Engineering Project Manager, at (760) 597-3136 or gkeppler@vidwater.org.

2. BACKGROUND AND STUDY OVERVIEW

2.1. DISTRICT BACKGROUND

The District was formed in 1923 pursuant to Section 20500, et. seq., of the California Water Code and provides water to the City of Vista, as well as portions of San Marcos, Oceanside, Escondido and unincorporated areas of the County of San Diego. The District obtains its water from Lake Henshaw, which it owns, and from imported and desalinated supplies furnished by the Metropolitan Water District (MWD) and/or the San Diego County Water Authority (Water Authority). The District service area is approximately 21,200 acres with 87% of the area currently developed. The District serves a population of approximately 137,000 and has approximately 29,000 potable water service connections to residential, commercial, industrial, agricultural and irrigation customers. Based on the 2018 Water Master Plan, the District's existing and ultimate average annual demands are 17.3 million gallons per day (mgd) and 20.1 mgd, respectively.

Current supply to the District is from six connections to the Water Authority's aqueduct system and a treatment and conveyance system from the District's local surface and groundwater supply located at Lake Henshaw. The District owns 20 percent of treatment capacity (18 mgd) at the Escondido-Vista Water Treatment Plant (EVWTP) located at Lake Dixon, and the City of Escondido (Escondido) owns 80 percent. Both jurisdictions also have contracts regarding the rights to and transportation of water from the San Luis Rey River. The District has inter-ties with the City of Oceanside (Oceanside), City of Carlsbad, Rincon Del Diablo Municipal Water District (Rincon) and Vallecitos Water District (Vallecitos) for emergency and operational adjustments. The District also has an agreement with Oceanside for water delivery from the Weese Filtration Plant.

The Flume is an 11.25 mile conduit that is the District's only means of receiving local and imported water treated at the EVWTP. Originally constructed in 1926, the Flume includes both unpressurized flume and pressurized siphon facilities to deliver EVWTP finished water to the District's service area in the vicinity of the District's 20 mg Pechstein Reservoir. The unpressurized flume facilities total approximately 5.75 miles and consist of 11 above-ground gunite bench (bench) sections and one 0.25-mile long hard rock tunnel section. The pressurized siphon facilities total approximately 5.5 miles and are comprised of five riveted steel sections, three reinforced concrete sections, and one high-density polyethylene (HDPE) section.

2.2. STUDY BACKGROUND

In 2012, the District conducted a Flume study that included a condition assessment of the Flume and a cost of water evaluation. The Flume study concluded that rather than rehabilitating the bench sections with HDPE pipe, the District's least expensive option was to internally repair the roofs with grout, estimating the repairs would extend the Flume's life 20 to 30 years. The Flume study's estimated cost for this work was approximately \$4 million (\$140/foot). The study also recommended relining all the steel siphons at an estimated cost of \$7 million (\$230/foot).

Following the Flume study, the District issued a request for bids on the roof repairs and found it difficult to obtain bids for such work. Additionally, the recommended repairs did not address the ongoing maintenance required on the existing HDPE liner and exterior portions of the Flume, where cracking between the roof and walls is prevalent and still ongoing.

The District has recently initiated long-term repair/replacement projects on several sections of the Flume and found a wide range of unit costs as follows:

- Baumgartner Bench Replacement (constructed) – new 42-inch HDPE siphon as part of a new residential development; actual cost: \$500/foot.
- Meyers and Beehive Siphon Rehabilitation (design/options study) – HDPE slip-line or epoxy line existing pipeline; estimated costs: \$800 – \$1,000/foot.
- Beehive Bench Rehabilitation/Replacement (options study) – epoxy repair, HDPE slip-line, or full replacement underground; estimated costs: \$1,500 – \$1,900/foot.

Based on the wide range of cost data and the high estimated cost of a long-term rehabilitation or replacement solution for the entire Flume (up to \$75 million), the District embarked upon a Water Supply Planning Study (WSPS) in 2019 to:

- Understand the true costs to operate, maintain, and replace the local water system (everything between Lake Henshaw and the EVWTP).
- Ascertain the most likely probable rehabilitation or replacement option for the Flume, review constructability for replacement in the same alignment, develop preliminary alternative alignments, review opportunities for phasing, and develop preliminary costs.
- Calculate the cost per acre-foot for the District's existing water supply portfolio with Flume replacement based on historical yields at Lake Henshaw.
- Consider the economics of retiring the Flume altogether in favor of purchasing all treated water from the Water Authority. This option evaluated the costs for system improvements to accommodate 10-day aqueduct shutdowns, costs to de-annex the "Boot" and "Bennett" service areas to Vallecitos, and potential revenue from selling the District's portion of local water.

The WSPS concluded that the Flume is in poor shape, does not have many years of serviceable life left, is unsuitable for reuse, and should be retired. Moreover, because one-half of the Flume conveyance system is unpressurized, it creates some uncertainty with long-term water quality and future operating permits. Accessibility and maintenance are significant ongoing issues as

well, and most of the bench section easements are poorly suited for construction of a replacement pipeline. The WSPS established that out of the all other water supply options available to the District, replacing the Flume at an estimated cost of \$120-\$130 million is still the least costly alternative. The Flume replacement in the WSPS is a 36-inch internal diameter pipeline, which would slightly increase the current capacity of 21.5 mgd to an estimated 25 mgd.

2.3. STUDY OVERVIEW

Having completed the WSPS, the next step is to perform an in-depth study of alternative alignments for replacing the Flume with a pressurized pipeline extending from the EVWTP to the District's Pechstein Reservoir. The objective of the Study is to recommend a replacement conveyance system that ensures safe, reliable, and cost effective delivery of EVWTP finished water to the District's customers.

The WSPS established two preliminary alignments in order to show it is feasible to replace the Flume with either an all-new pipeline alignment or a hybrid pipeline alignment that connects to existing siphon sections. Both have merit and a myriad of challenges. A phased approach likely means a longer alignment and higher capital costs. However, if replacement of certain bench sections can wait, phasing will possibly have less of an impact on cash flow, water rates, and may allow for a pay as we go (paygo) approach for funding. To assist in evaluating this, the Study should identify all available local, state and federal funding sources and opportunities that are available to the District. Also, the WSPS's preliminary alignments assume complete replacement within existing right of way. Note the District is not necessarily adverse to other alignments if there are clear benefits from them.

Another objective of the Study is to recommend an alignment that allows the replacement pipeline to convey water under sufficient pressure in order to gain approval from regulatory agencies. Currently, the Flume has upstream flow control at the EVWTP. A new alignment in conjunction with downstream flow control may achieve maintaining adequate pressures along the new pipeline under most flow conditions. However, switching to downstream flow control will require coordination and approvals with Escondido in order to avoid a configuration where flow changes disrupt plant operation.

The existing Flume has a number of interties with agencies, and the impacts to these feeds will need to be identified. Additionally, the Flume feeds the District's "Boot" and "Bennett" service areas, and facilities will need to be identified to reconnect these areas and meet the same levels of service within the distribution system.

The alternative pipeline alignments and facility configurations will be screened to identify preferred alternatives. Building upon the work completed in the WSPS, the District will require a preferred alternative for both an all-new pipeline alignment and a hybrid pipeline alignment connecting to as many existing siphon sections that allows for a phased implementation. The process for screening alternatives will consider, but not necessarily be limited to, health and regulatory permits, maintaining minimum pressures, engineering and constructability issues, environmental constraints (a separate consultant will be hired for concurrent environmental work/constraints study), overall capital costs, implementation schedule, impacts to local water

deliveries, cash flow, and impacts to rates. Given the likely numerous initial alignment options combined with the many ranking criteria, the District is interested in a coarse and fine screening approach in the Study to eliminate alternatives at a higher level prior to performing more detailed analyses (e.g., environmental constraints study, siphon condition assessments, preliminary plan and profile drawings, etc.).

The WSPS's financial analysis makes a number of assumptions that lead to the conclusion that full Flume replacement is the least costly water supply solution for the District. These include: Water Authority rate escalation, District financing rates and terms (inclusive of State and Federal low-interest loan programs), future local water system yield, and Flume replacement costs. The Study shall have periodic overview assessments of the applicable assumptions in the WSPS to make sure the Flume replacement remains the right decision for the District.

3. SCOPE OF SERVICES

The selected Consultant should be familiar with the operations of the EVWTP and District's Flume delivery system, and have the knowledge to analyze and make recommendations on operational alternatives related to the incorporation of the Flume replacement with existing and proposed facilities, including delivery points along the Flume. The operational alternatives will determine the required pipeline capacity range, pipeline operating pressures, material selection, delivery points, and upstream/downstream flow regulation requirements.

The work to be completed under this Study includes, but is not limited to, the following for both an all-new pipeline alignment and hybrid pipeline alignment:

- Reviewing all pertinent existing studies and documents.
- Identifying utility conflicts or constraints, possible mitigation measures, and regulatory agency permitting requirements.
- Conducting a soils survey to identify and understand the soil types and identify any other geotechnical concerns.
- Identifying, through coordination with District's environmental consultant, environmental constraints, possible mitigation measures, and regulatory agency permitting requirements.
- Walking the Flume alignment to determine scheduling needs based on the condition of each bench section.
- If necessary for fine screening, conducting a thorough condition assessment of Flume siphon sections.
- Establishing evaluation criteria, evaluating pipeline alignments and facility alternatives, reviewing phasing opportunities, and identifying any right of way acquisition needs.
- Preparing hydraulic analyses and analyzing pipeline material alternatives.
- Evaluating alternative locations for flow regulation out of the EVWTP, analyzing and providing recommendations and need for downstream flow control to maintain minimum pressures in the pipeline.
- Reviewing impacts and requirements for existing interties with other agencies, analyzing and providing recommendations for pipeline connection/turnout facilities, and distribution system improvements to continue to serve the District's Boot and Bennet areas and maintain service levels.

- Identifying appropriate construction methodologies.
- Preparing conceptual plan and profile drawings of pipeline alignment alternatives.
- Preparing conceptual drawings of new facility configurations and interconnections to existing facilities.
- Preparing estimates of total costs and schedule estimates for implementation.
- Reviewing and determining funding opportunities.
- Reviewing and comparing findings in the Study with the assumptions in the WSPS to verify that replacing the Flume is still the lowest cost alternative.
- Identifying coarse and fine screening approach for recommending how to eliminate alternatives at a higher level prior to performing more detailed analyses, and presenting the results to the District's Board of Directors in order to obtain input on all alternatives and develop a final preferred alignment.

The results and conclusions of the Study shall be provided in a Final Report. Upon acceptance of the Final Report, the District will begin preparation of a more detailed environmental assessment of the preferred alternative in accordance with California Environmental Quality Act (CEQA)/ National Environmental Policy Act (NEPA). The Study will be used to support the CEQA/NEPA process; however, the services to be provided under this RFP do not extend beyond preparation of the Final Report.

Unless stated otherwise, all deliverables shall have no less than five (5) hard copies and one digital copy submitted to the District. Digital submittals shall include MS Word, MS Excel, and Adobe PDF. For Board workshops, ten (10) hard copies shall be provided. All deliverables requires a draft submittal for District review and comment.

3.1. ALIGNMENT ALTERNATIVE DEVELOPMENT

Develop a long-list of alternatives and evaluation criteria for both an all-new pipeline alignment and a hybrid pipeline alignment that connects to existing siphon sections. All Section 3.1 scope sub-tasks shall be phased and completed for each alignment alternative over the course of the Study at appropriate levels to efficiently and effectively screen and determine the preferred pipeline alignment. The Consultant's proposal shall clearly demonstrate an approach that will achieve this requirement.

3.1.1. FIELD RECONNAISSANCE, DATA COLLECTION, UTILITY SEARCH, AND RIGHT OF WAY

Perform a reconnaissance survey to become familiar with alignment corridors, develop a photographic inventory of surface features, and identify difficult construction areas and methods to traverse these areas. Obtain and review available and pertinent reports, data, right-of-way and/or assessor property boundary maps, aerial photographs, record drawings, utility drawings, and specifications from the District, Water Authority, Caltrans, Escondido, City of San Marcos, the County of San Diego, and other local jurisdictions and agencies.

Collect utility maps and easement information regarding abandoned, existing, and proposed utilities corresponding to the pipeline alignments and new facility configurations. Review

utility maps to determine potential conflicts with proposed alignments. Coordinate utility search and conflict resolutions with the appropriate agencies.

Identify and plot on a suitable map the locations of all above and below ground utilities and facilities that may conflict with the preliminary alignments. Identify locations of utilities having a critical relationship to the pipeline replacement and appurtenant facilities, and provide written recommendations to remedy conflicts (actual potholing will be conducted during final design of the project). Utilities that are in proximity to the proposed Flume alignment that are to be protected in place shall be discussed. Private and public entities such as Dig Alert USA, telephone companies, cable companies, special districts, gas and electric companies, water agencies, and other vital utility companies shall be contacted.

Determine jurisdictional boundaries and easements of public agencies and utilities over and adjacent to the proposed Flume alignments. Identify permits, fees, and anticipated lead times for permit issuance.

For alignment sections proposed outside of existing right of way, identify temporary and permanent easement and fee acquisitions that may be required for construction and ongoing operation and maintenance including temporary/permanent access roads. Public and private entities such as Caltrans, County of San Diego, cities, utilities, land owners, and developers along the alignments shall be identified. These entities shall be contacted to identify existing and planned land uses, compatibility of publicly owned lands with this Study's use, areas under development or proposed for development, and any restrictions on land use.

Gather existing maps and reports for a preliminary geotechnical investigation. See Section 3.1.3 scope task.

Deliverables

Provide electronic copy of all data catalogued in MS Excel, all records gathered, photos, and written recommendations (MS Word and PDF) and schematic drawings to remedy conflicts. Schematics shall be provided in AutoCAD and PDF. This data may be used to facilitate workshops – see Section 3.2 scope task.

3.1.2. FLUME CONDITION ASSESSMENT

Condition assessments are requested in the Study for both the bench and siphon sections to ascertain the ability to phase replacement. The timing and level of effort envisioned are much different between the two facility types. The bench sections will be inspected early on in the Study to gauge timing and the ability to postpone the replacement of sections based on a high-level visual inspection of the exterior and input from District staff. If a hybrid and phased approach moves forward to the fine screening phase, then it is likely the very detailed siphon condition assessments will then be performed.

3.1.2.1. BENCH SECTIONS

Walk the Flume bench sections to inspect the exterior condition of the existing Flume and ascertain the necessary timing requirements for replacement and ability to phase each reach. Meet with District operations and facilities staff to receive input on-going maintenance issues with each reach and gain concurrence on the ability for phasing, reach ranking, and a replacement timeline.

Deliverables

Bench Investigation Technical Memorandum – Summarize the findings and opinions of the ability to phase bench section replacement. Include summary of issues based on field observations and District input, ranking, and timeline for replacement.

3.1.2.2. SIPHON SECTIONS

If applicable and authorized by the District after coarse screening, conduct a thorough condition assessment of all pertinent Flume siphon sections in order to determine their suitability for repair or rehabilitation and use in a hybrid pipeline alignment (for purposes of the RFP, assume all reaches require assessment).

The District will provide support for the following activities:

- De-watering¹ and minor general cleaning of the selected pipelines. However, there may be some remaining water, mud, silt, or minor debris at any location during the time of the nondestructive condition assessment, and the consultant should be prepared to make all final cleaning preparations as necessary to perform the testing. Access to the required pipelines through existing transition structures or blow off outlets, as identified in the Consultant's Work Execution Plan submitted for review by the District.
- Adequate ground support personnel to facilitate access along the District's easements and entry and exit points of the siphon sections.
- Confirmation of lockout/tag out of the siphons for access prior to inspection.
- Contact information of key District staff.
- Record drawings, specifications, previous inspection data, or other references, as required for the nondestructive condition assessment.

Consultant shall perform condition assessment using nondestructive testing techniques on approximately five miles of pipe comprised of five riveted steel sections, three concrete sections, cement mortar lined welded steel pipe, welded steel pipe specials, and welded steel pipe replacement sections, as described in the WSPS.

Consultant shall determine the pipe eccentricity to aid in the selection of an appropriate restoration method if rehabilitation is needed. Minimum pipe diameter (bore) shall be

¹ It may be more advantageous to leave some sections full of water. Therefore, the District will rely on the Consultant's discretion and expertise to determine the most appropriate nondestructive condition assessment technique for each segment.

documented at each joint and at the axial center of the pipe. A minimum of two measurements shall be taken per location for both vertical and horizontal dimensions. All pipe eccentricity data recorded shall include the means of identifying location as defined below. Concurrently with the pipe eccentricity determination, the Consultant shall identify and remove any materials that obstruct the condition assessment tool. This may include loose debris or calcified deposits adhered to the cement mortar lining. Care is required to prevent damage to the cement mortar lining during calcified deposit removal.

Conduct comprehensive nondestructive inspection of the entire length and circumference of all siphon sections. Concrete pipe condition assessment need not have the level of rigor for that of riveted steel pipe and cement mortar-lined steel pipe. However, the Consultant shall make recommendations and provide the appropriate methods and equipment needed to gather data in order to make informed decisions about the concrete pipe's condition and recommended repairs or rehabilitation.

With regard to riveted steel pipe and cement mortar-lined steel pipe, a thorough condition assessment shall be provided to detect and quantify steel wall loss or other structural defects. Data obtained shall include a listing of each individual section of pipe found to contain areas of wall loss, the size, location and measurement of wall loss within the steel pipe by documenting, at a minimum, the following information:

- Radial orientation (clock position) of defects found to an accuracy within +/- 10 degrees of arc. Orientation will be expressed as if looking in the downstream direction.
- Horizontal station of defects found to an accuracy within +/- 1 percent of the axial distance from the nearest recognizable pipeline feature, or +/- 3 inches when referenced to a girth weld on the same pipe joint.
- Station number corresponding to the District's stationing system.
- Dimensions of defects found.
- Type of defect found.
- Wall loss determination.
- Calculate for each defect the theoretical conservative burst pressure of the steel cylinder using ASME B31G.
- Develop a Work Execution Plan (Plan) for the nondestructive condition assessment of the siphon sections. The Plan shall include, at a minimum:
 - A schedule for delivery of all components and equipment needed to conduct the condition assessments. All components and equipment must be mobilized and delivered to the site prior to work commencing. The District will convene a pre-condition assessment meeting after delivery of condition assessment equipment to confirm the inventory of components as indicated on the Plan.
 - Indicate local repair shops and support services to facilitate unforeseen equipment failures or needed replacements. Establish their availability to perform support services and document agreements made.
 - A detailed schedule identifying labor involved in the assessment operations. Note any overlap of personnel. Determine and state, for each day, how many people will be assessing the pipe.

- Equipment and personnel entry and exit locations as needed, data download locations, and battery operated equipment charging locations.
- In addition to an overall team organizational chart as required in this RFP, the Consultant shall provide condition assessment team organizational chart of all personnel and their specific duties. Expertise, proposed technologies, and past performance and accuracy testing verification that has been performed on previous projects should also be listed. Past experience with local water agencies is desired.
- Include contact information for key Consultant and District personnel.
- Document the span of control of each individual tasked with supervising a component of the work.
- Prepare a communications plan including equipment being provided, personnel responsibilities, and means and methods of communication within the pipe, and externally.
- Describe the data retrieval process and include the means and methods of transporting the data for analysis.
- Submit the Plan to the District for review.
- Provide all tools, supplies, equipment, portable sanitation facilities, personnel protective equipment, and qualified personnel required to perform nondestructive condition assessment of the siphon sections.
- Provide qualified personnel and necessary controls to secure and transport personnel and equipment through treated water pipeline conditions that are damp, slippery, and have steep slopes.
- Consultant's Project Manager shall maintain onsite copies of the Consultant's Injury Illness Prevention Program and Emergency Response Plan.
- Perform all work in accordance with all applicable federal, state and local laws and ordinances governing such work.
- Confirm with Cal/OSHA whether the nature and extent of the work requires compliance with Confined Space, Tunnel Safety, or Mine Safety Orders.
- Access to, over, or adjacent to each siphon section may be unimproved. Therefore, transportation vehicles used by the Consultant shall be high clearance, four-wheel drive or all-wheel drive.

For each day of condition assessment, confirm that data is successfully gathered and downloaded. Lost data shall be collected again at the expense of the Consultant.

Deliverables

Siphon Condition Assessment Technical Memorandum - Discuss and detail the analysis and results of investigations and recommendations for repairs and rehabilitation for all siphon sections.

3.1.3. PRELIMINARY GEOTECHNICAL INVESTIGATION

Obtain and review geotechnical reports used for adjacent property developments. Perform a geological literature search to identify soil types, rock formations, groundwater conditions, and seismic faults. Perform non-invasive site reconnaissance and gather existing topographical

maps, soil maps, and aerial survey data. Assess geologic constraints for engineering and environmental assessments. Identify any critical surface or subsurface information, distinct or unfavorable topographic/natural/geotechnical features, or general areas to avoid that could impact design, permitting, constructability, operation and maintenance, and construction costs.

Discuss site conditions, earth materials, soil properties, slope stability, trenching, shoring, groundwater, excavation difficulty, geophysical data, and seismology. Evaluate and determine the most appropriate and cost effective trenching or trenchless construction methodologies to be used along each alignment. Determine standard production rates of excavation. Identify any other geotechnical issues that may be encountered during pipeline construction and recommend methods to mitigate them. Summarize and tabulate the analysis and note any significant geotechnical issues that may affect the pipeline alignment location, cost, or schedule.

Deliverables

Geotechnical Technical Memorandum – Summarize investigation findings and recommendations for each proposed alignment.

3.1.4. ENVIRONMENTAL AND PERMITTING COORDINATION

The District will retain the services of an independent third party Environmental Consultant to screen for potential impacts including but not limited to biological resources, cultural resources, and community related impacts associated with the construction and operation of the proposed alignments. A summary of the independent third party Environmental Consultant's work is anticipated as described herein.

***Coarse Screening of Potential Alignments** - This step will involve concurrently evaluating the potential alignments that have already been identified to date or could address new/different alignments identified by the Consultant. The specific approach would be determined in consultation with the District and, at the District's discretion, the Consultant.*

Course screening criteria will generally include elements that potentially represent fatal flaws to any given alignment or segment of alignment including but not limited to:

- ***Biology** – Environmental Consultant will review existing biological documents, conduct an in-house database search for known sensitive biological resources (e.g., sensitive habitat, species, waterways/wetlands) known to occur within the project area, and prepare field maps. Environmental Consultant biologists will conduct a reconnaissance-level assessment of potential alignments, denoting whether alignments would be in or adjacent to non-sensitive areas (e.g., disturbed/developed land, ornamental landscaping) or potentially sensitive habitat. A conservative approach will be used; for example, disturbed coastal sage scrub habitat would be noted as “potentially sensitive” and not “disturbed.” Drainages, potential wetlands, riparian habitat, and other potentially jurisdictional aquatic resources will be noted and preliminarily mapped; however, no formal delineation of these resources would be*

conducted during coarse screening.

- **Cultural Resources and Tribal Cultural Resources** – *Environmental Consultant will leverage its prior cultural resources analysis of the flume for those flume segments that may be retained or replaced in the same location. A Native American Heritage Commission Sacred Lands File Search will be requested, and a cultural resources records search will be conducted for corridors along each proposed new alignment section. No cultural resources field work or Native American Outreach is proposed as part of course screening.*
- **Community Impacts** – *Environmental Consultant will conduct a desktop review of aerial images, coupled with a reconnaissance-level field visit, to identify land uses potentially sensitive to construction impacts such as noise. Land uses will be mapped at a gross level (e.g., residential, commercial, mixed use). Potential construction-related traffic disruptions during in-road construction could be considered community impacts; however, a project's effect on traffic levels of service is no longer considered a significant impact to the environment under CEQA. Accordingly, while potential traffic disruption associated with pipeline construction in roadways will be discussed at a qualitative level as a potential community impact that the District may want to consider when selecting alignments, traffic disruption will not be considered as a potential future CEQA compliance concern.*
- **Other Environmental Checklist Issues** – *There are a number of topics/issues included in the CEQA Environmental Initial Study Checklist (Appendix G to the State CEQA Guidelines) that are not expected to factor strongly in the alignment selection process and/or that Environmental Consultant expects will be addressed by other members of the District's consulting team.*

The level of air pollutant emissions, including greenhouse gas emissions, associated with project construction is not expected to vary significantly from one alternative alignment to another. Accordingly, although the future CEQA compliance document for the project will need to address air pollutant and greenhouse gas emissions, no analysis of these are envisioned as part of the screening process. Similarly, the selection of one alternative alignment versus another is expected to have minimal effect on energy use impacts associated with the construction or operation of the Flume replacement; accordingly, energy use will not be included as a screening factor.

In addition, with the exception of some short bench segments that currently support above-ground flume segments, the potential project consists of underground pipelines or siphons that would have little to no impact on aesthetics, agriculture, mineral resources, population/housing, public services, recreation, public services, and wildfire. Accordingly, these topics will not be included in the screening analysis. A summary of the independent third party Environmental Consultant's work is anticipated as described herein.

***Fine Screening of Potential Alignments** – Upon completion of the Course Screening, Fine Screening work will include the following:*

- **Biology** – *For proposed alignment segments found to be in or immediately adjacent to potentially sensitive habitat, Environmental Consultant will map vegetation and potential jurisdictional resources, assess potential for sensitive species, and describe existing conditions of each alignment. Environmental Consultant will also address anticipated permitting/mitigation requirements, potential biological constraints, and future focused surveys (e.g., for rare plants or protected wildlife species) that is anticipated would be necessary to support the CEQA compliance document and/or project permitting. This task does not include a formal jurisdictional delineation, focused surveys, or preparation/processing of permit applications.*
- **Cultural Resources and Tribal Cultural Resources** – *If necessary, Environmental Consultant will update the course-screening cultural resources records search to include new alignments that extend outside of the previous study area. Environmental Consultant would then conduct a pedestrian cultural resources survey of potential alignments where such a survey is feasible (for example, pipeline alignments proposed under arterial roadways through heavily developed urban areas may be excluded). A Native American monitor, working as a subconsultant to Environmental Consultant, will participate in the surveys. Alignments that could affect known archaeological resources impacts will be discussed with the District and its Consultant, and alignments will be identified as having a high, medium, or low sensitivity for cultural resources.*
- **Community Impacts** – *Environmental Consultant will refine the gross-level land use mapping to identify potentially sensitive land uses along alignments, including schools, medical and nursing facilities, religious institutions, and residential communities. Potential impacts associated with construction noise will be discussed qualitatively, as will facilities where temporary access restrictions during construction could be problematic (e.g., medical facilities).*
- **Other Environmental Checklist Issues** – *Environmental Consultant does not anticipate addressing other environmental topics/issues for the reasons described above.*

Consultant shall coordinate and conduct a review of the District's third party Environmental Consultant assessments during coarse and fine screening analysis to determine necessary permitting requirements for the Study and potential project. Consultant shall present any special or unique permit timeline requirements applicable to any of the proposed alignments and refine the alignment due to areas that should be avoided based on environmental restrictions, excessive mitigation costs, and difficulty of obtaining permits, potential public opposition, or other environmental or permitting issues. Where such potential flaws are present, Consultant shall recommend new alternative segments that may avoid or lessen the environmental issues.

In addition, for both Course and Fine Screening, Consultant shall make note of

environmentally sensitive areas, potential mitigation measures, including but not limited to existing utility conflicts, geology/soils, hazardous materials, and hydrology/water quality (except as it relates permitting requirements associated with impacts to waters of the U.S./State, which the District's third party Environmental Consultant will address) and permitting requirements that may be required for each alignment segment.

Deliverables

Environmental and Permitting Technical Memorandum - Discuss and summarize environmental and permitting findings for each proposed alignment. Summarize and present environmentally sensitive areas, required permits, and estimated time to complete permitting process, applicable mitigation measures, and the estimated cost for environmental compliance and mitigation.

3.1.5. SYSTEM HYDRAULIC ANALYSIS AND FLOW CONTROL REQUIREMENTS

Perform the necessary hydraulic analyses, gradient profiles, site reconnaissance, and coordination meetings (District and Escondido) to take into account and determine the following:

- Demands along the Flume replacement including those in the Boot and Bennet areas.
- Pipe sizing to meet all requirements/operating conditions including deliveries along the replacement pipeline, minimum/maximum pressures, and maximum pipeline fluid velocities.
- Reconnections to all service areas and distribution system/flow control/pressure regulating requirements to accept the new supply configuration while meeting current or necessary service levels.
- Impacts to existing interties with agencies.
- Flow regulation structure out of the EVWTP and location; downstream (Pechstein Reservoir) versus upstream (EVWTP) flow control. Identify any other District and Escondido controls/SCADA modifications that are necessary.
- Upgrades and connection location required at the EVWTP.
- Facility siting, facility sizing, land/easement requirements, materials of construction, earthwork requirements, construction access and laydown areas, and other issues deemed relevant by the Consultant and the Study team for all regulating structures and appurtenances.
- Minimum and maximum flow regimes out of EVWTP and establishing minimum and maximum hydraulic grade lines and operational pressures along the Flume replacement.
- Transient analysis identifying possible transient conditions and any surge control facilities or equipment required to mitigate the transient condition.

Deliverables

Hydraulic Analysis and Appurtenant Facilities Technical Memorandum - Prepare hydraulic analysis summary and gradient profiles. List all planning criteria, methodology, results and description of the requirements. Provide preliminary plan layouts of the appurtenant facilities

including proposed EVWTP feed flow regulation station, other regulation stations, EVWTP/Pechstein connections, interties/turnouts and service area reconnection facilities, and any other new facilities proposed under this Study.

3.1.6. STUDY PHASING AND TIMING

As discussed in Section 3.1.2.1 scope task, walk the Flume bench sections to inspect the condition of the existing Flume and ascertain the necessary timing requirements for replacement and ability to phase each reach. Analyze the integration of the Flume replacement into the District's system while the existing Flume remains in service. In coordination with District staff, identify key factors that may affect the timing and need for the Flume replacement, such as local water deliveries (and lost revenue from), regional interties and upgrades to existing District facilities such as Pechstein Reservoir roof replacement, a new Pechstein II Reservoir, and flow control at the Pechstein Reservoir site. Based on these factors, identify the required online dates for key elements of the Flume replacement.

Deliverables

District System Integration and Phasing Technical Memorandum – summarize Flume bench conditions, prioritize replacement schedules, estimated timing requirements, and other key factors. Include photos of key findings along each bench section.

3.1.7. PIPELINE DESIGN CRITERIA AND CONCEPTUAL DESIGN

Prepare the pipeline design criteria for the alignments. Include sketches discussions on pipeline size, materials, external loadings, trench conditions, trench details, backfill design as related to pipeline design and suitability of native soil for backfill, required pipeline wall thickness or pressure class rating, pipe joints, linings and coatings, corrosion protection, anchorage, thrust restraint, and location criteria for appurtenances. Industry standard materials, design manuals, and codes shall be referenced where applicable. Discuss pipe material options and recommendations as it relates to costs, life expectancy, and risk. Discuss plan and profile alignment considerations such as deflection angles and bends, the width and depth of the pipe trench, separation from existing pipelines, utilities and other above and below grade improvements, feasibility of pipeline sections to be tunneled or drilled and portal sites, and similar items related to the design, construction, operations, and maintenance of the pipeline.

Prepare preliminary plan and profile drawings for the proposed alignments and include interconnection requirements with existing and planned facilities. The vertical alignment shall be described by typical cover requirements and special situations where cover may need to be increased to avoid an existing improvement or provide sufficient protection. Address separations to adjacent pipelines and utilities so that the integrity of existing facilities can be analyzed, and provisions identified to ensure that these operating utilities shall not be damaged during construction and future maintenance of the pipeline and appurtenances. Discuss access requirements, sloping requirements, contractor staging areas, work zones, traffic control requirements, probable construction equipment to be used, contractor construction traffic generation, feasibility of pipeline sections to be tunneled or horizontally drilled and portal sites

(if applicable), and similar items related to the design, construction, operation, and maintenance of the pipeline.

For each alternative alignment, identify topographic control points and define requirements and criteria for pipeline drain and fill operations, air valve sizing, and blow-off sizing. Analyze areas where air and vacuum valves, blow-off valves, and other appurtenant equipment may be required based on specific hydraulic conditions (such as high and low points on the pipeline). Define blow-off discharge rates and sizing at each discharge location.

Indicate environmentally sensitive areas, potential mitigation measures, including but not limited to existing utility conflicts, geology/soils, hazardous materials, and hydrology/water quality (see ENVIRONMENTAL AND PERMITTING COORDINATION).

Deliverables

Pipeline Design Criteria and Conceptual Design Technical Memorandum – summarize key findings, recommendations, details, drawings, and calculations for the above described work.

3.1.8. COST ESTIMATES, IMPLEMENTATION SCHEDULES, FUNDING RESEARCH, AND CASH FLOW

Prepare preliminary construction cost estimates for each alternative pipeline alignment, by reach if applicable, including rehabilitation estimates for siphons (some assumptions will be necessary for coarse screening). Include in the cost estimates the cost for upstream and downstream flow control/pressure regulation and the cost for any new facilities proposed under this Study to implement the Flume replacement. Provide documentation to support the basis for costs, exclusions, allowances, contingencies, assumptions, and any other relevant cost items.

The cost estimates shall be prepared following the Association for the Advancement of Cost Engineering International (AACEI) Recommended Practices No. 18R-97, Cost Estimate Classification System - As Applied in Engineering, Procurement, Construction/or the Process Industry. The cost estimate shall be prepared at the class level 4.

Identify steps necessary to implement the proposed project. A project implementation schedule shall be developed and include, as a minimum, time estimates for resolving the legal/institutional, regulatory and permitting issues, environmental review, detailed engineering, construction and start-up.

Develop an action plan for near term issues or project milestones that need to be addressed to allow the project to move forward with approval of a preferred alternative and begin detailed environmental assessments and design. Identify agencies responsible for addressing each action item.

Based on implementation timelines, prepare cost-loaded schedules to determine funding needs by the District. The cost-loaded schedule shall include the steps indicated above.

Identify funding sources with local, state, and federal agencies whose stated goals align with the planned Flume replacement. Research financial assistant programs, grants, low interests loans, and other capital financing opportunities that reduces the financial burden on the District and maximizes ratepayer dollars. Identify eligible project cost funding opportunities including, but not limited to, planning, design, construction, and construction management.

Eligible projects are typically subject to CEQA/NEPA. Therefore, particular attention shall be given to a process that allows the Flume replacement to remain eligible for as many funding opportunities as possible.

Work with staff to establish appropriate factors, rates, and durations to be included in the District's financial model for District staff to review cash flow, financing needs, and impacts on rates. Include District input on financial impacts as a basis to evaluate each alignment. If applicable, phased alignments should include costs from lost revenue from local water if construction disrupts deliveries.

Review WSPS's financial analysis assumptions and provide input on how the project is tracking based on current market conditions, the Study's cost estimates, and availability of likely funding opportunities.

Deliverables

Cost Estimate, Implementation Schedule, and Financial Review Technical Memorandum - provide narrative summarizing cost and schedule along with estimates and Gantt chart type cost-loaded schedule. For each funding opportunity, summarize and present in a table the funding entity, funding program, application process, application deadline, summary of terms and conditions, interest rates (if applicable), and any other data deemed appropriate. Summarize District input on the financial impacts with each alternative. Compare and contrast analysis with WSPS review findings to make sure the Flume replacement remains the right decision for the District.

3.2. ALTERNATIVE SCREENING AND BOARD OF DIRECTORS WORKSHOPS

Based on the initial 'long-list' of alternatives and evaluation criteria developed in the Section 3.1 scope task, provide a coarse screening and fine screening approach to rank, compare, and eliminate alternatives. To achieve this, Section 3.1 scope sub-tasks shall be completed at appropriate levels of detail to provide the necessary information such that the coarse screening process will reduce the initial 'long-list' of alternatives down to a 'short-list' for the final fine screening. For fine screening, the remaining work in Section 3.1 scope sub-tasks shall be completed for the remaining 'short-list' of alternatives. The coarse screening will include options for both an all-new pipeline alignment and hybrid pipeline alignment that connects to existing siphon sections such that phasing and cash flow can be compared. If both options are selected for fine screening, the District will likely approve proceeding with the siphon condition assessment task. The results from the fine screening will be the selection of a final alignment for the District to consider moving forward with final design.

The screening process will be a collaborative effort among the Consultant, District staff, the District's Board of Directors, and other stakeholders. The Consultant will lead up to three Board of Director workshops to present screening evaluation criteria and recommendations for Board consideration as it relates to the Flume replacement alignment alternatives. The general content of each workshop is outlined below:

- Board of Directors Workshop No. 1 – Review and reach preliminary consensus on the alignment evaluation criteria that will be used to rank and screen an initial 'long-list' of alignment alternatives.
- Board of Directors Workshop No. 2 – Coarse Screening/Alternatives Evaluation: review preliminary results of the coarse screening analysis, refine and confirm findings and identify a 'short-list' of alternatives for both an all-new pipeline and hybrid pipeline alignment to be advanced into a fine screening analysis.
- Board of Directors Workshop No. 3 – Fine Screening/Alternatives Refinement: review the results of the fine screening analysis and confirm a preferred project alternative for implementation. Provide a summary of next steps, costs, and schedule for design, environmental document preparation, and construction activities.

Deliverables

Each workshop shall have a detailed Board packet (similar in style used for the WSPS) with sufficient detail (write-up, figures, tables, etc.) to meet the objectives of each workshop. The information should describe the research and findings from Section 3.1 scope sub-tasks, illustrate the alignment alternatives and relevant information, recommend how the alignments are ranking under the approved evaluation criteria, and list any other considerations. In addition, the consultant shall lead an accompanying Powerpoint presentation to review the Board packet contents in an efficient manner and reach consensus on the findings and recommendations.

Workshops may be scheduled months in advance and the timing of draft submittals, District review, and Board packet preparation will become critical. The Consultant shall endeavor to meet all District deadlines and provide clear and concise submittals that require little District correction.

Upon conclusion of the final workshop prepare and submit:

Preferred Alignment Identification and Report - Discuss and summarize the findings of the pipeline alignment analysis and justification for the selection of preferred alternatives. This shall be a comprehensive report and include all supporting documentation required in the Scope of Services.

Final Report – as described in the Section 3 Scope of Services summary.

3.3. STUDY MANAGEMENT, QUALITY CONTROL, AND MEETINGS

1. Prepare a detailed schedule outlining all tasks and milestones.
2. Provide Project Management, Quality Assurance, and Quality Control throughout the course of the Study to ensure fulfillment of the Study scope and within Study schedule and budget. For each draft submittal, provide internal sign-off transmittals.
3. In addition to the specific meetings identified above, plan and prepare for the following meetings, at a minimum; kickoff meeting, monthly progress meetings, and submittal review meetings. Additional meetings may be required, as needed, including coordination meetings with District departments, other agencies, jurisdictions, or other stakeholders (e.g., Escondido, Rincon).
4. Note the District intends to utilize assistance from an outside consultant for review and input on all submittal materials.

4. TENTATIVE STUDY SCHEDULE

The following dates are anticipated for during this Study:

<u>Milestone</u>	<u>Date</u>
RFP Issued	October 8, 2020
Proposals Due	November 19, 2020
Interviews (if needed) and Selection	Week Beginning December 14, 2020
Study Awarded by the Board	January 2021
Study Kickoff Meeting	February 2021
Workshop 1	August 2021
Workshop 2	December 2021
Siphon Condition Assessments Complete	June 2022
Workshop 3	October 2022
Study Complete	December 2022

5. DISTRICT PROVIDED MATERIALS

- 2020 Water Supply Planning Study
- 2018 Potable Water Master Plan
- Various Flume Records and Documents
- Proposal Ranking Sheet
- Professional Services Agreement



Agenda Item: 10

STAFF REPORT

Board Meeting Date: October 7, 2020
Prepared By: Brett Hodgkiss

SUBJECT: MATTERS PERTAINING TO THE ACTIVITIES OF THE SAN DIEGO COUNTY WATER AUTHORITY

SUMMARY: Informational report by staff and directors concerning the San Diego County Water Authority. No action will be required.



Our Region's Trusted Water Leader
San Diego County Water Authority

SUMMARY OF FORMAL BOARD OF DIRECTORS' MEETING September 24, 2020

1. Election of Board Officers for October 1, 2020 – September 30, 2022.
The Board elected officers to the Board for a two-year term beginning October 1, 2020 as follows:
 Chair: Gary Croucher
 Vice Chair: Christy Guerin
 Secretary: Jerry Butkiewicz

2. Amendment 2 to the services contract with OneSource Distributors, LLC, for preventative maintenance, upgrades, repair, and technical support for medium voltage variable frequency drives.
The Board authorized the General Manager to execute Amendment 2 to the services contract with OneSource Distributors, LLC, for preventative maintenance, upgrades, repair, and technical support for medium voltage variable frequency drives for an additional three years, increasing the contract maximum amount by \$646,005 for a new not-to-exceed maximum of \$1,219,197.

3. Notice of Completion for the Vallecitos Water District 11/Vista Irrigation District 12 Flow Control Facility project.
The Board authorized the General Manager to accept the Vallecitos Water District 11 / Vista Irrigation District 12 Flow Control Facility project as complete, record the Notice of Completion, and release all funds held in retention to Kiewit Infrastructure West, Inc., following the expiration of Notice of Completion period.

4. Adopt a Permanent Special Agricultural Water Rate Program ordinance and grant temporary PSAWR eligibility for existing Transitional Special Agricultural Water Rate Program customers.
The Board adopted Ordinance No. 2020-04 to establish the Permanent Special Agricultural Water Rate (PSAWR) Program effective January 1, 2021, and grant existing Transitional Special Agricultural Water Rate (TSAWR) Program participants eligibility to participate in the PSAWR Program on a temporary basis through June 30, 2021, to allow member agencies sufficient time to verify compliance with new PSAWR Program eligibility requirements.

5. Monthly Treasurer's Report on Investments and Cash Flow.
The Board noted and filed the Treasurer's report.



6. New Treated Water Service Connection for City of Poway.
The Board authorized City of Poway's (Poway) request for a new service connection on the Water Authority's system to be owned and operated by the Water Authority for the purpose of conveying treated water into Poway's distribution system; that a planning study be conducted and include the original stakeholders (City of San Diego, Olivenhain MWD, and Ramona MWD); and that the connection point, and the terms and conditions, be determined for Board approval at a later date and would involve the original stakeholders that funded the Ramona Pipeline.
7. Equipment purchase and service contract with Reliability Controls Corporation for the purchase of three Bently Nevada machinery protection systems for the San Vicente Pump Station, including software and support services for system installation and commissioning.
The Board authorized the General Manager to execute an equipment purchase and service contract with Reliability Controls Corporation for machinery protection system equipment and services for an amount not-to-exceed \$250,032.
8. Approve City of Carlsbad Waiver Request for Late Fee on June 2020 Water Bill.
The Board authorized the General Manager to waive City of Carlsbad late fee for the June 2020 water invoice amounting to \$23,808.25.
9. Agreement with San Diego Gas & Electric to Rent Water Authority Property.
The Board authorized the General Manager to negotiate and enter into an agreement with San Diego Gas & Electric (SDGE) to rent Water Authority property to store construction materials and equipment for an amount up to \$560,000.
10. Formal Board of Directors' meeting of August 27, 2020.
The Board approved the minutes of the Formal Board of Directors' meeting of August 27, 2020.



STAFF REPORT

Agenda Item: 11.A

Board Meeting Date: October 7, 2020
Prepared By: Lisa Soto
Approved By: Brett Hodgkiss

SUBJECT: REPORTS ON MEETINGS AND EVENTS ATTENDED BY DIRECTORS

SUMMARY: Directors will present brief reports on meetings and events attended since the last Board meeting.



STAFF REPORT

Agenda Item: 11.B

Board Meeting Date: October 7, 2020
Prepared By: Lisa Soto
Approved By: Brett Hodgkiss

SUBJECT: SCHEDULE OF UPCOMING MEETINGS AND EVENTS

SUMMARY: The following is a listing of upcoming meetings and events. Requests to attend any of the following events should be made during this agenda item.

	SCHEDULE OF UPCOMING MEETINGS AND EVENTS	ATTENDEES
1 *	Vista Chamber of Commerce Business Mixer <i>Oct. 14, 2020; 5:00 p.m. – 6:00 p.m.; virtual via Zoom</i> <i>Deadline: None</i>	
2	California Water Policy Conference (Webinar Series) Topic: Transformative Leadership <i>Oct. 20, 2020; 2:00 p.m.-4:30 p.m.</i> <i>Reservation deadline: TBD</i>	
3	Central Valley Tour 2020 (Water Education Foundation) <i>Oct. 22, 2020; Virtual tour</i> <i>Reservation deadline: TBD</i>	
4	Northern California Tour (Water Education Foundation) <i>Nov. 12, 2020; Virtual tour</i> <i>Reservation deadline: TBD</i>	
5 *	Council of Water Utilities Meeting <i>Nov. 17, 2020; Virtual</i> <i>Reservation deadline: TBD</i>	
6	San Joaquin River Restoration Tour (Water Education Foundation) <i>Nov. 19, 2020; Virtual tour</i> <i>Reservation deadline: TBD</i>	
7 *	CSDA Quarterly Dinner Meeting <i>Nov. 19, 2020, 6:00-9:00 p.m.; TBD</i> <i>Reservation deadline: TBD</i>	
8	ACWA Fall Conference <i>Dec. 2-3, 2020; Virtual; Registration deadline: 11/20/2020</i>	

* Non-per diem meeting except when serving as an officer of the organization

The following abbreviations indicate arrangements that have been made by staff:

R=Registration; **H**=Hotel; **A**=Airline; **S**=Shuttle; **C**=Car; **T**=Tentative



Agenda Item: 12

STAFF REPORT

Board Meeting Date: October 7, 2020
Prepared By: Lisa Soto

SUBJECT: ITEMS FOR FUTURE AGENDAS AND/OR PRESS RELEASES

SUMMARY: This item is placed on the agenda to enable the Board to identify and schedule future items for discussion at upcoming Board meetings and/or identify press release opportunities.

Staff-generated list of tentative items for future agendas:

- Four Reservoirs Seismic and Structural Analysis report
- Exchange Agreement and Temporary Service Agreement policies
- Fiscal Year 2021 Capital Budget Phase II review
- Monthly billing
- Warner Wellfield Assessment



STAFF REPORT

Agenda Item: 13

Board Meeting Date: October 7, 2020
Prepared By: Lisa Soto

SUBJECT: COMMENTS BY DIRECTORS

SUMMARY: This item is placed on the agenda to enable individual Board members to convey information to the Board and the public not requiring discussion or action.



Agenda Item: 14

STAFF REPORT

Board Meeting Date: October 7, 2020
Prepared By: Brett Hodgkiss

SUBJECT: COMMENTS BY GENERAL COUNSEL

SUMMARY: Informational report by the General Counsel on items not requiring discussion or action.



STAFF REPORT

Agenda Item: 15

Board Meeting Date: October 7, 2020
Prepared By: Brett Hodgkiss

SUBJECT: COMMENTS BY GENERAL MANAGER

SUMMARY: Informational report by the General Manager on items not requiring discussion or action.

NOTICE OF ADJOURNED MEETING
OF THE BOARD OF DIRECTORS OF THE
VISTA IRRIGATION DISTRICT


A REGULAR MEETING OF THE BOARD OF DIRECTORS OF VISTA IRRIGATION DISTRICT, HELD ON OCTOBER 7, 2020 WAS ADJOURNED UNTIL 9:00 AM, OCTOBER 21, 2020, AT THE OFFICE OF THE VISTA IRRIGATION DISTRICT, 1391 ENGINEER STREET, VISTA, CALIFORNIA.

* * * * *

AFFIDAVIT OF POSTING ORDER OF ADJOURNMENT OF MEETING

STATE OF CALIFORNIA)
COUNTY OF SAN DIEGO)

I, Ranae Ogilvie, hereby certify that I am the duly appointed, qualified Assistant Secretary of the Board of Directors of Vista Irrigation District; that the foregoing is duly noted in the Minutes of said Regular Meeting of the Board of Directors of Vista Irrigation District; that said Regular Board Meeting was ordered adjourned to the time and place above specified; and that I posted a copy of this order of adjournment near the public entrance to the Board Room at the offices of the District.



Ranae Ogilvie, Assistant Secretary
Board of Directors
Vista Irrigation District

POSTED: October 7, 2020