

**NOTICE OF A REGULAR MEETING
OF THE BOARD OF DIRECTORS OF THE
OLIVENHAIN MUNICIPAL WATER DISTRICT
1966 Olivenhain Road, Encinitas, CA 92024
Tel: (760) 753-6466 • Fax: (760) 753-5640**

**Pursuant to AB3035, effective January 1, 2003, any person who
requires a disability related modification or accommodation in order
to participate in a public meeting shall make such a request in writing
to Stephanie Kaufmann, Executive Secretary, for immediate consideration.**

DATE: WEDNESDAY, AUGUST 16, 2023

TIME: 4:00 P.M.

PLACE: DISTRICT OFFICE AND REMOTE LOCATION FOR DIRECTOR MEYERS OF 145 MINERS TRAIL ROAD,
ASPEN, CO 81611

*NOTE: ITEMS ON THE AGENDA MAY BE TAKEN OUT OF SEQUENTIAL ORDER
AS THEIR PRIORITY IS DETERMINED BY THE BOARD OF DIRECTORS*

1. CALL TO ORDER
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL
4. DETERMINATION OF A QUORUM
5. ADOPTION OF AGENDA
6. PERSONAL APPEARANCES AND PUBLIC COMMENTS
7. PRESENTATION OF AWARDS AND HONORABLE MENTIONS
8. CONSIDER APPROVAL OF THE MINUTES OF THE JULY 19, 2023, REGULAR BOARD OF DIRECTORS MEETING
9. CONSENT CALENDAR

*NOTE: ANY ITEM MAY BE REMOVED FROM THE CONSENT CALENDAR
FOR DISCUSSION*

C-a	CONSIDER ADOPTION OF A MOTION APPROVING THE PAYMENT OF LISTED WARRANTS FROM THE DISTRICT'S REVOLVING AND REGULAR ACCOUNTS; LISTED TRANSFERS OF FUNDS; AND REIMBURSEMENT OF EXPENSES TO BOARD MEMBERS AND STAFF
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C-b	CONSIDER ADOPTION OF A MOTION APPROVING THE DISTRICT’S CONSOLIDATED STATEMENT OF NET POSITION, CONSOLIDATED STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION, CONSOLIDATED STATEMENT OF CASH FLOWS, CONSOLIDATED ACTUAL VS BUDGET SUMMARY, AND CONSTRUCTION IN PROGRESS REPORT
C-c	CONSIDER ACCEPTANCE OF THE MCCRINK RANCH (UNIT 6) DEVELOPMENT WATER FACILITIES INSTALLATION PROJECT (LENNAR HOMES OF CALIFORNIA, INC.) INTO OMWD’S SYSTEM AND ORDER A NOTICE OF COMPLETION BE FILED
C-d	CONSIDER ACCEPTANCE OF THE AVION DEVELOPMENT SEWER FACILITIES INSTALLATION PROJECT (LENNAR HOMES OF CALIFORNIA, INC.) INTO OMWD’S SYSTEM AND ORDER A NOTICE OF COMPLETION BE FILED
C-e	CONSIDER VOTING FOR THE ASSOCIATION OF CALIFORNIA WATER AGENCIES REGION 10 BOARD OF DIRECTORS

10. CONSIDER ADOPTION OF AN ORDINANCE AMENDING THE OLIVENHAIN MUNICIPAL WATER DISTRICT’S ADMINISTRATIVE AND ETHICS CODE (Article 4 – Classified Positions, Article 5 – Working Hours, Employee Benefits, Article 20 – Employer-Employee Relations, and Article 21 – Safety Provisions and Practices)
11. CONSIDER APPROVAL OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT’S 2023 CAPACITY FEES AND ADOPTION OF AN ORDINANCE AMENDING SECTION 13.11 OF THE DISTRICT’S ADMINISTRATIVE AND ETHICS CODE – OMWD CAPACITY FEES BY ZONE
12. CONSIDER ADOPTION OF A RESOLUTION MAKING CALIFORNIA ENVIRONMENTAL QUALITY ACT EXEMPTION FINDINGS TO ESTABLISH WATER CAPACITY FEES WITHIN ZONES OF BENEFIT IN THE DISTRICT, AND ORDER A NOTICE OF EXEMPTION BE FILED WITH THE COUNTY CLERK OF THE COUNTY OF SAN DIEGO
13. CONSIDER FEASIBILITY OF POTENTIAL VIEWER ENGAGEMENT OF LIVE PUBLIC STREAMING OF OMWD PUBLIC MEETINGS AND PRESENT FINDINGS FROM THE SURVEY OF OTHER LOCAL PUBLIC AGENCIES
14. INFORMATIONAL REPORTS
 - A. PRESIDENT
 - B. GENERAL MANAGER
 - C. CONSULTING ENGINEER
 - D. GENERAL COUNSEL
 - E. SAN DIEGO COUNTY WATER AUTHORITY REPRESENTATIVE
 - F. LEGISLATIVE
 - G. TWELVE MONTH CALENDAR / OTHER MEETINGS / REPORTS BY BOARD MEMBERS PER AB 1234
 - H. BOARD COMMENTS
15. CLOSED SESSION

- A) CONSIDER LITIGATION – HILLSIDE PATIO HOMES HOA [PURSUANT TO GOVERNMENT CODE SECTION 54956.9] • Additional Facts: Claim received on August 17, 2020. Claim rejected on September 9, 2020.
 - B) CONSIDER POTENTIAL LITIGATION – ONE CASE [PURSUANT TO GOVERNMENT CODE SECTION 54956.9]
- 16. OPEN SESSION
 - 17. CORRESPONDENCE
 - 18. AUTHORIZATION TO ATTEND UPCOMING MEETINGS / CONFERENCES / SEMINARS
 - 19. FUTURE AGENDA ITEMS
 - 20. CONSIDER PUBLIC COMMENTS
 - 21. ADJOURNMENT



Memo

To: Board of Directors
From: Stephanie Kaufmann, Executive Secretary
Via: Kimberly A. Thorner, General Manager
Subject: BOARD MEETING MINUTES

Draft minutes of the most recently held Board of Directors meeting will be provided separately. Following board approval, the minutes will be posted on OMWD's website.

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Rainy Selamat, Finance Manager
Via: Kimberly Thorner, General Manager
Subject: **CONSIDER ADOPTION OF A MOTION APPROVING THE PAYMENT OF LISTED WARRANTS FROM THE DISTRICT'S REVOLVING AND REGULAR ACCOUNTS; LISTED TRANSFERS OF FUNDS; AND REIMBURSEMENT OF EXPENSES TO BOARD MEMBERS AND STAFF**

The following monthly financial reports are enclosed for review and approval by the Board of Directors:

- July 2023 Summary of payment of listed warrants from the District's checking account and listed transfer of funds.
- July 2023 Monthly Summary of Reimbursement Expenses to Board Members and Staff.

The June 2023 Monthly Investment Report will be available for review and approval by the Board after the fiscal year 2022/23 financial audit is completed in November 2023. As of the writing of this memo, Finance Staff is currently working on closing fiscal year 2022/23.

Olivenhain Municipal Water District
Proposed Motions for August 16, 2023 Board of Directors Meeting
July 2023 Activities
Consent Calendar Item # C-a

Proposed Motions:

- I. That the following warrants and transfers be approved:

Regular Account	Warrants - by check	033791	to	033975	\$	1,532,359.61
	Warrants - by EFT	EFT000000000583	to	EFT000000000627		744,110.90
						<hr/> 2,276,470.51
	ACH Payments - Payroll					228,350.06
	Wire - SDCWA - Monthly Purchased Water Payment					2,553,431.03
	ACH Payments - Payroll					232,034.35
	Wire - SDCWA - Capacity Fees					37,496.00
					\$	<hr/> <hr/> 5,327,781.95

Major Category of Disbursements

Total warrants from the District's checking account:

\$ 2,276,470.51

Following is a breakdown of this total by major categories:

Category	
Outside services	\$ 1,349,551.83
Inventory and supplies	282,644.98
Utilities	177,370.37
Repairs and maintenance	13,919.00
Other	17,441.50
Refunds	8,280.02
Insurance	423,589.31
Permit Fees	3,673.50

Total	<hr/> <hr/> \$ 2,276,470.51
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Sincerely,



Rainy K. Selamat/Finance Manager

Olivenhain Municipal Water District
Proposed Motions for August 16, 2023 Board of Directors Meeting
July 2023 Activities

California Bank and Trust

Regular Account

Warrants - by check	033791	to	033975	\$	1,532,359.61
Warrants - by EFT	EFT000000000583	to	EFT000000000627		744,110.90
					<hr/> 2,276,470.51
7/6/2023 ACH Payments - Payroll					228,350.06
7/18/2023 Wire - SDCWA - Monthly Purchased Water Payment					2,553,431.03
7/21/2023 ACH Payments - Payroll					232,034.35
7/26/2023 Wire - SDCWA - Capacity Fees					37,496.00
			Total	\$	<hr/> <hr/> 5,327,781.95

Approved:

For Board Consideration and Approval

Olivenhain Municipal Water District
July 2023 Warrant List - Check & EFT

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
033791	7/5/2023	Kaiser Foundation Health	32,774.71	7/23 GROUP INSURANCE	
033792	7/12/2023	Aflac	1,445.50	Supplemental Insurance	
033793	7/12/2023	American Messaging	60.67	L1-072035	
033794	7/12/2023	Andrew Gell	46.38	REF:1092425_188220	
033795	7/12/2023	Aqua Metric	66,862.16	Annual RNI SAAS fee, Annual Sensus Analytics, Annual Basestation Maintenance	Yes
033796	7/12/2023	Tom Arellano	109.33	ENERGY TURBINE MTG EXP REIMB	
033797	7/12/2023	AT & T	24.29	9391056562	
033798	7/12/2023	Bay City Electric Works	30.76	WTP STANDBY GENERATOR SVCS	
033799	7/12/2023	Bee Rescue LLC	530.00	LATIGO ROW & LONE HILL LANE	Yes
033800	7/12/2023	Boot World Inc	200.00	Safety Boots	Yes
033801	7/12/2023	Jymy Brisenio	95.00	CEWA COLLECTION CERT REIMB	
033802	7/12/2023	California State Disbursement Unit	123.23	Employee Garnishment	
033803	7/12/2023	Canyon Industries	69,119.70	Hydropower Turbine Refurb Project	Yes
033804	7/12/2023	Teresa L Chase	197.70	EXPENSE REIMBURSEMENT	
033805	7/12/2023	Christopher Makely	102.92	REF:1087970_147800- Customer Refund	
033806	7/12/2023	Christopher Youmans	68.25	REF:1091412_127045- Customer Refund	
033807	7/12/2023	Kare Connor	3,145.00	CPR FIRST AID WORKSHOP	Yes
033808	7/12/2023	DCL Enterprise Inc Db	228.99	KEYS	
033809	7/12/2023	Edco Waste & Recycling	632.83	25-4A 861816- waste disposal	Yes
033810	7/12/2023	Encinitas Ford	440.77	D651 SUPPLIES	Yes
033811	7/12/2023	ESS	672.00	ALARM MONITORING (WWTP)	Yes
033812	7/12/2023	Fallbrook Printing Corp	4,370.17	POSTCARD, POSTAGE-PAPER BILL CUSTOMERS	
033813	7/12/2023	Ferguson Enterprises Inc. #1083	10,235.92	3" Diaphragm Washers, DISCS, STEMS, DISC RETAINERS, UNIONS, NUTS, ETC.	Yes
033814	7/12/2023	First Choice Technology	153.86	13001474	Yes
033815	7/12/2023	Franchise Tax Board	1,041.94	Employee Garnishment	Yes
033816	7/12/2023	GEI Consultants, Inc	717.00	AS NEEDED WATER QUALITY SVCS	
033817	7/12/2023	Global Power Group Inc	614.58	WWTP PREVENT MAINT SERVICES	
033818	7/12/2023	Grangetto's Ag. Supply	8.90	PVC REPAIR PARTS	
033819	7/12/2023	Gustavo Briceno	200.00	EDUCATION INCENTIVE	
033820	7/12/2023	Home Depot/Gecf	5,194.92	6/23 SUPPLIES	Yes
033821	7/12/2023	Infosend	13,741.54	5/23 WATER BILL STATEMENTS AND MAINTENANCE FEE	Yes
033822	7/12/2023	Interface Automation Inc.	4,556.25	WWTP PLC CLEANUP, SCADA SERVICES	Yes
033823	7/12/2023	James A Scanlon	75.85	REF:1029713_233095- Customer Refund	
033824	7/12/2023	James Procter	149.64	REF:1091030_160620- Customer Refund	
033825	7/12/2023	Kyle Ugone	122.38	REF:1089449_158335- Customer Refund	
033826	7/12/2023	Leah Sorensen	136.19	REF:1083832_193290- Customer Refund	
033827	7/12/2023	Line X Of Escondido	2,585.44	FB05 SERVICES	Yes
033828	7/12/2023	Lisa Saldamando	13.22	REF:1088099_135865- Customer Refund	
033829	7/12/2023	Marcela Novy	45.85	MILEAGE REIMB (3/9 - 6/26/23)	
033830	7/12/2023	Mark Crisostomo	102.92	REF:1046369_161690- Customer Refund	
033831	7/12/2023	Maryann G. Lennick	151.67	REF:1019335_179775- Customer Refund	
033832	7/12/2023	Matheson Tri-Gas Inc	111.41	PROPANE	
033833	7/12/2023	Michelle McMahon	400.00	EDUCATION INCENTIVE	
033834	7/12/2023	Mission Electric Supply, Inc.	339.41	LED SUPPLIES	
033835	7/12/2023	Morton Salt Inc	6,126.62	WTP CHEMICALS	
033836	7/12/2023	Myers & Sons	92.34	PARKS DEPT SUPPLIES/SIGNS	Yes
033837	7/12/2023	Naumann Hobbs - San Diego	249.65	WTP FORKLIFT SERVICES	
033838	7/12/2023	NBS	10,927.82	QUARTERLY ADMIN FEES FOR RAD 96-1	
033839	7/12/2023	Network Adjusters, Inc.	10,000.00	LIABILITY DEDUCTIBLE (SITIO BAYA)	
033840	7/12/2023	Nicole Tramontini	40.78	REF:1084745_188670- Customer Refund	
033841	7/12/2023	Pacific Pipeline Supply	4,614.19	BRASS CLAIMPS, GASKET METERS, COUPLINGS, ETC.	Yes
033842	7/12/2023	RECON Environmental, Inc.	1,568.50	RANCHO PASEANO REVEGETATION	
033843	7/12/2023	Republic Services	2,903.15	4-4530-0333405- WASTE DISPOSAL	
033844	7/12/2023	Republic Services #661	693.89	3-0661-1001776- WASTE DISPOSAL	
033845	7/12/2023	Richard Henderson	121.67	REF:1061750_136710- Customer Refund	
033846	7/12/2023	Ryan Murphy	55.50	REF:1088010_201245- Customer Refund	
033847	7/12/2023	San Diego Gas & Electric	46,958.29	UTILITIES	Yes
033848	7/12/2023	Santa Fe Irrigation Dist	96.47	008128-005, 6/30/2023	
033849	7/12/2023	SDCWA PUBLIC AFFAIRS DEPT - COWU	55.00	7/18 LUNCHEON - LWATT	
033850	7/12/2023	Sonsray Machinery LLC	81.84	BA07 SUPPLIES	Yes
033851	7/12/2023	State Water Resources	90.00	D3 RENEWAL - D.BRUNOZZI	
033852	7/12/2023	T-Mobile USA	11,847.80	T-MOBILE SITE SD06914A REFUND	
033853	7/12/2023	Tetra Tech Inc	9,741.36	PLC Replacement PW Design	Yes
033854	7/12/2023	UniFirst Aid Corp	383.28	FIRST AID SUPPLIES	
033855	7/12/2023	United Parcel Service	37.51	SHIPPING	
033856	7/12/2023	Vanessa Rivera	400.00	EDUCATION INCENTIVE	
033857	7/12/2023	West Coast Sand & Gravel	531.62	YARD MATERIALS	
033858	7/12/2023	West Coast Telcom Products	2,439.71	HL50 LEAK DETECTOR	
033859	7/12/2023	Xylem Water Solutions USA, Inc.	81,541.43	INVENTORY ITEMS FOR WRF: WIPING SYSTEM, MOTOR, UV LAMPS, BALLAST CORDS,	Yes
033860	7/19/2023	Aaron Gordon	41.10	WIPER RING ASSEMBLIES	
033861	7/19/2023	Alexis Suazo	82.83	REF:1081485_211500- Customer Refund	
033862	7/19/2023	American Backflow Specialities	180.00	REF:1087135_188240- Customer Refund	
033863	7/19/2023	AT & T	1,062.82	CALIBRATION SERVICES (GAUGES)	Yes
033864	7/19/2023	Bee Rescue LLC	730.00	9391056789	Yes
033865	7/19/2023	California State Disbursement Unit	123.23	BEE REMOVAL SERVICES	Yes
				Employee Garnishment	

Olivenhain Municipal Water District
July 2023 Warrant List - Check & EFT

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
033866	7/19/2023	Capitol Enquiry	304.30	2023 CA POCKET/STAFF DIRECTORY	
033867	7/19/2023	Carollo Engineers	140,446.25	DCMWTP Condition Assessment Project	Yes
033868	7/19/2023	CCL Contracting Inc.	171,229.77	MANCHESTER AVE AND S. EL CAMINO REAL RECYCLED WATER PROJECT	
033869	7/19/2023	City Treasurer	345.20	620000109372	
033870	7/19/2023	City Treasurer	1,299.00	WTP TRUCKED WASTE PERMIT	
033871	7/19/2023	Corodata Shredding, Inc	69.87	SHREDDING SERVICES	
033872	7/19/2023	County Of San Diego	3,673.50	PLAN REVIEW AND INSPECTIONS	Yes
033873	7/19/2023	Craig Lewis	914.36	REF:1019515_303180- Customer Refund	
033874	7/19/2023	CSDA San Diego Chapter	150.00	FY23/24 RENEWAL	
033875	7/19/2023	Cyber Marketing Network Inc	189.09	Safety Boots	Yes
033876	7/19/2023	Diana Spencer	28.75	OVERNIGHT POSTAGE REIMB	Yes
033877	7/19/2023	Encinitas Ford	1,046.92	PU103 SUPPLIES	Yes
033878	7/19/2023	Escondido Metal Supply	177.61	FB48 SUPPLIES	Yes
033879	7/19/2023	Fallbrook Printing Corp	1,837.19	DIRECT PYMNT PRGM MAILING	
033880	7/19/2023	Franchise Tax Board	593.42	Employee Garnishment	
033881	7/19/2023	Gary Hamilton	20.79	REF:1087279_170175- Customer Refund	
033882	7/19/2023	Gina Mattern	135.19	REF:1091926_103410- Customer Refund	
033883	7/19/2023	Global Power Group Inc	614.58	WWTP PREVENT MAIN SERVICES	
033884	7/19/2023	Grangetto's Ag. Supply	36.69	WTP TRAIN 10 SUPPLIES	
033885	7/19/2023	Guardian	1,001.30	8/23 DENTAL ADMIN FEES	
033886	7/19/2023	Hawthorne Machinery Co.	120.39	OMWD HQ GENERATOR SUPPLIES	
033887	7/19/2023	HDR Engineering, Inc.	3,910.00	Long Term Budgeting for Pipeline Replacements & CCTV Reviews	Yes
033888	7/19/2023	IKG Environmental	7,646.79	Quarterly Well Monitoring for the San Dieguito Valley Groundwater Project	Yes
033889	7/19/2023	Infrastructure Engineering Corporation	35,579.13	NBHD SPS Replacement Project	Yes
033890	7/19/2023	J & W Redwood Lumber Co	818.02	PARKS SUPPLIES	Yes
033891	7/19/2023	Jay Brandt	56.62	REF:1057686_160340- Customer Refund	
033892	7/19/2023	Jennifer Williams	80.75	REF:1091464_195160- Customer Refund	
033893	7/19/2023	Jodi Shannahan	87.37	REF:1092027_197575- Customer Refund	
033894	7/19/2023	John Blair	55.56	REF:1003001_237060- Customer Refund	
033895	7/19/2023	Julissa Caraballo	85.99	REF:1091346_190555- Customer Refund	
033896	7/19/2023	Jyoti Shukla	76.48	REF:1086381_127870- Customer Refund	
033897	7/19/2023	Kaitlin Baker	123.64	REF:1087120_193075- Customer Refund	
033898	7/19/2023	Liebert Cassidy Whitmore	3,580.00	FY 23/24 MEMBERSHIP	
033899	7/19/2023	Maria Reyes	91.99	REF:1092151_185745- Customer Refund	
033900	7/19/2023	Mark Goldstein	138.80	REF:1012192_145345- Customer Refund	
033901	7/19/2023	McCullough Design & Development	398.57	REF:1081467_303125- Customer Refund	
033902	7/19/2023	Raymond Motas	95.00	COLLECTIONS G11 RENEW REIMB	
033903	7/19/2023	Napa Auto Parts	540.96	6/30 SUPPLIES	
033904	7/19/2023	John Onkka	400.00	EDUCATION INCENTIVE	
033905	7/19/2023	Pacific Pipeline Supply	468.97	BOLTS, NUTS, GASKETS	
033906	7/19/2023	Palomar Health	640.00	DOT & PREEMPLOYMENT EE SVCS	
033907	7/19/2023	Powers Bros. Machine	7,802.46	4S WRF Blower Repair	Yes
033908	7/19/2023	Raffetis Financial Consultant	2,070.00	6/23 WATER CAP FEE STUDY	Yes
033909	7/19/2023	Republic Services #661	3,097.41	3-0661-2000037- WASTE DISPOSAL	Yes
033910	7/19/2023	S D G & E	264.85	400000078	
033911	7/19/2023	Michael Salazar	200.00	EDUCATION INCENTIVE	
033912	7/19/2023	San Diego Building Maintenance	5,396.00	6/23 JANITORIAL SERVICES	
033913	7/19/2023	San Diego County Recorder	47.00	EP 425 RECORDING FEE	Yes
033914	7/19/2023	San Diego Gas & Electric	95,132.03	UTILITIES	Yes
033915	7/19/2023	San Elijo Joint Powers Auth.	45,094.00	NORTH SD WATER COALITION 2023	Yes
033916	7/19/2023	SD-IPMA-HR/SD-PSHRA	130.00	MEMBERSHIP DUES	
033917	7/19/2023	Sheela Gupta	113.96	REF:1040883_141035- Customer Refund	
033918	7/19/2023	Spencer Laurent	87.38	REF:1091490_208055- Customer Refund	
033919	7/19/2023	TASC	584.47	VEBA ADMIN & CLAIMS PROCESSING	Yes
033920	7/19/2023	Trenton Anderson	77.00	REF:1058753_224535- Customer Refund	
033921	7/19/2023	United Parcel Service	39.75	SHIPPING	
033922	7/19/2023	United Rentals (North America), Inc.	1,824.61	FORKLIFT RENTAL (WTP)	
033923	7/19/2023	Vanessa Martinez	10.85	REF:1021270_239925- Customer Refund	
033924	7/19/2023	Verizon Connect Fleet USA, LLC	924.85	VEHICLE TRACKING	
033925	7/19/2023	West Coast Sand & Gravel	451.89	YARD MATERIALS	
033926	7/19/2023	Zenon Environmental Corporation	182.78	WTP MEMBRANE PARTS	
033927	7/19/2023	HCC Investors LLC/THE BRIDGES	218.48	RM REFUND: DEBIT000000000582	
033928	7/17/2023	California Bank & Trust	26.58	8387, 6/30/2023	
033929	7/26/2023	AG Tech Llc	2,034.24	WWTP BIOSOLIDS DISPOSAL SVCS	
033930	7/26/2023	Alison Guldseth	134.57	REF:1079394_220260- Customer Refund	
033931	7/26/2023	Angus Asphalt Inc.	72,541.05	Concrete & Paving Maint / SWPPP Drainage Improvement Project	Yes
033932	7/26/2023	AT & T	80.54	9391059578	
033933	7/26/2023	Bee Rescue LLC	50.00	BEE REMOVAL SERVICES	
033934	7/26/2023	C E Wilson Corporation	35,886.25	VRP FY22/23 -Construction	Yes
033935	7/26/2023	Carollo Engineers	43,056.43	DCMWTP Condition Assessment Project	Yes
033936	7/26/2023	City Treasurer	701.76	6/23 RECYCLED WTR MTR CHARGE	
033937	7/26/2023	Claude Heacox	150.65	REF:1048060_137415- Customer Refund	
033938	7/26/2023	ClubCorp Golf of California LLC. DBA Morgan Run	989.45	REF:1091113_303505- Customer Refund	
033939	7/26/2023	Controlled Entry Specialists	1,526.00	OMWD HQ WEST UPPER GATE SVCS	
033940	7/26/2023	Corodata	528.34	OFFSITE RECORDS STORAGE	
033941	7/26/2023	County Of San Diego	46,618.25	FY 23/24 LAFCO COSTS	

Olivenhain Municipal Water District
July 2023 Warrant List - Check & EFT

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
033942	7/26/2023	County of San Diego, RCS	171.00	6/23 RADIO SERVICES	
033943	7/26/2023	Dudek	56,682.00	Design Support Services- Headworks Project	Yes
033944	7/26/2023	Erin Lieberknecht	49.10	REF:1091418_237500- Customer Refund	
033945	7/26/2023	Fortuna Del Este Road Maintenance	812.00	FORTUNA DEL ESTE RMA	
033946	7/26/2023	Idexx Distribution Inc	493.84	WTP SUPPLIES	
033947	7/26/2023	Ignacio Tool Supply Inc.	299.55	SHOP TOOLS	
033948	7/26/2023	James Chiavatti	68.89	REF:1046047_180365- Customer Refund	
033949	7/26/2023	Jared Mueller	72.52	REF:1091169_136890- Customer Refund	
033950	7/26/2023	Zeller, Jonathan	100.00	FUEL (PU100) EXPENSE REIMB.	
033951	7/26/2023	Le Nguyen	125.41	REF:1089943_154495- Customer Refund	
033952	7/26/2023	Louis Baeriswyl	123.80	REF:1001581_169535- Customer Refund	
033953	7/26/2023	Morton Salt Inc	6,129.17	WTP CHEMICALS	
033954	7/26/2023	Raymond Motas	200.00	EDUCATION INCENTIVE	
033955	7/26/2023	Nat'L Safety Compliance	129.95	DOT TESTING	
033956	7/26/2023	Newco Inc.	16,628.20	Sodium Fluoride Annual Purchase	Yes
033957	7/26/2023	Ninyo & Moore	4,258.00	GEOTECHNICAL SVCS - HQ PAVING	Yes
033958	7/26/2023	Orion Construction Corporation	180,405.00	Construction Services-Collection System SPS Rehab	Yes
033959	7/26/2023	Pacific Coast Propane	2,286.63	PROPANE	
033960	7/26/2023	Pacific Pipeline Supply	119.30	WASHERS, GASKETS	
033961	7/26/2023	Jarothe Inc., dba	78.00	760-489-9971	
033962	7/26/2023	Peterson Structural Engineers, Inc.	11,670.46	Design Services for Tank Safety Improvements (D120130)	Yes
033963	7/26/2023	Pranab Pati	122.38	REF:1090379_159120- Customer Refund	
033964	7/26/2023	PWLC I, INC	14,848.00	LANDSCAPE MAINTENANCE	Yes
033965	7/26/2023	Rancho Santa Fe Community Svs	20,405.37	6/23 24.72 AC/FT RECYCLED WTR	
033966	7/26/2023	RECON Environmental, Inc.	10,940.50	Complete NEPA, Sect 106, PES form	Yes
033967	7/26/2023	San Diego Gas & Electric	15,171.95	UTILITIES	Yes
033968	7/26/2023	San Diego Scale Inc	608.10	CALIBRATION SERVICES (WWTP)	
033969	7/26/2023	Sunbelt Rentals, Inc.	533.24	SCISSORLIFT RENTAL	
033970	7/26/2023	Ted Keenan	673.28	REF:1016941_303030- Customer Refund	
033971	7/26/2023	Teresa Juarez	66.38	REF:1089132_240315- Customer Refund	
033972	7/26/2023	Underground Construction CO, INC.	1,618.51	REF:1093344_303510- Customer Refund	
033973	7/26/2023	United Parcel Service	309.03	SHIPPING	
033974	7/26/2023	West Coast Sand & Gravel	2,071.79	YARD MATERIALS	Yes
033975	7/26/2023	West Yost & Associates, Inc	21,107.92	AS NEEDED INSPECTION SERVICES	Yes
EFT000000000583	7/12/2023	ACWA - JPIA	782.00	EXCESS CRIME INSURANCE	
EFT000000000584	7/12/2023	Standard Insurance Co.	5,874.92	7/23 LIFE & LTD INSURANCE	
EFT000000000585	7/12/2023	Southern Counties Lubricants, LLC.	6,416.37	FUEL SUPPLIES	
EFT000000000586	7/12/2023	Mesa Products	249.32	MCMILLER ANTIFREEZE (QTY 3)	Yes
EFT000000000587	7/12/2023	Westamerica Communications, Inc.	3,500.00	POSTAGE DEPOSIT	
EFT000000000588	7/12/2023	B. Weber Consulting LLC	6,371.56	CONSULTING SERVICES	
EFT000000000589	7/12/2023	McMaster-Carr Supply Co.	535.28	Miller altitude valve replacement supplies	Yes
EFT000000000590	7/12/2023	Radwell International, Inc.	4,628.70	CPU module, controller	Yes
EFT000000000591	7/12/2023	Calif. Surveying & Drafting Supply	299.20	Paint and other supplies	Yes
EFT000000000592	7/12/2023	Woodard & Curran	44,705.54	Environmental and Grant Admin Services for Title XVI	Yes
EFT000000000593	7/12/2023	Volt Management Corp DBA	2,500.95	WTP, Const/Ops interns	Yes
EFT000000000594	7/12/2023	Transnet Investigative Group Inc.	375.00	PRE-EMPLOYMENT BACKGROUND	
EFT000000000595	7/12/2023	Parsons	33,914.37	Preliminary and Final Design Services	Yes
EFT000000000596	7/12/2023	Martin Marietta Materials Inc	2,885.91	DUMP BOBTAIL - CONCRETE, YARD MATERIALS	Yes
EFT000000000597	7/12/2023	RS AMERICAS INC.	1,307.75	MCR DIGITAL DISPLAY	
EFT000000000598	7/12/2023	CDW Government Inc	2,787.39	CROWDSTRIKE, CROWDSTRIKE SUPPORT, APC BACK UPS RS LDC MTR CNTRL, CABLE	Yes
EFT000000000599	7/12/2023	Nossaman LLP	27,076.95	LEGAL (HILLSIDE) - Dec, Jan, Feb, Mar 2023	
EFT000000000600	7/12/2023	Univar Solutions Usa Inc	3,164.40	WWTP CHEMICALS	
EFT000000000601	7/12/2023	Western Hose & Gasket	184.86	WTP GASKETS	
EFT000000000602	7/12/2023	Water for People	66.00	WTRPL 7/6/2023	
EFT000000000603	7/19/2023	ACWA - JPIA	374,669.71	PROPERTY INSURANCE, AUG HEALTH INSURANCE	Yes
EFT000000000604	7/19/2023	Leucadia Wastewater District	8,599.50	ANNUAL SEWER CHARGE 7/23-6/24	
EFT000000000605	7/19/2023	DLM Engineering Inc	11,844.38	ENGINEER CONSULTING SERVICES	Yes
EFT000000000606	7/19/2023	CFM-San Diego Inc	565.65	Air line repair parts	
EFT000000000607	7/19/2023	Evoqua Water Technologies	2,467.34	HYDROSAND, ADAPTERS, FLANGE	
EFT000000000608	7/19/2023	Sparling Instruments, LLC	2,168.06	MODULE ASSEMBLY	
EFT000000000609	7/19/2023	Sloan Electric	770.00	FIREHOUSE SPS WET WELL SVCS	
EFT000000000610	7/19/2023	Calif. Surveying & Drafting Supply	48.42	ENGINEERS FIELD BOOK	
EFT000000000611	7/19/2023	Parsons	5,739.39	Design services for Unit A N., RSF Rd Potable Water Pipeline Projects	Yes
EFT000000000612	7/19/2023	Martin Marietta Materials Inc	549.54	YARD MATERIALS	Yes
EFT000000000613	7/19/2023	CDW Government Inc	6,577.96	Duo Access Edition, power adapters	Yes
EFT000000000614	7/19/2023	Nossaman LLP	45,789.21	\$39,039.21 5/23 LEGAL SERVICES; 6/30 LOBBYING SERVICES \$6,750	Yes
EFT000000000615	7/19/2023	Valley Construction Management	4,321.00	Construction Management Services; Right of Way Inspection Services	Yes
EFT000000000616	7/19/2023	Harrington Industrial Plastics Inc	244.76	Adapters, Flange	
EFT000000000617	7/19/2023	Water for People	66.00	WTRPL 7/20/2023	
EFT000000000618	7/26/2023	Standard Insurance Co.	6,456.70	8/23 LIFE & LTD INSURANCE PREM	
EFT000000000619	7/26/2023	Vallecitos Water District	48,481.86	RECLAIMED WATER PURCHASES	
EFT000000000620	7/26/2023	Evoqua Water Technologies	535.36	WWTP PREVENTATIVE MAINTENANCE SERVICES	Yes
EFT000000000621	7/26/2023	Calif. Surveying & Drafting Supply	281.02	BLUE PAINT (ENG DEPT SUPPLIES)	
EFT000000000622	7/26/2023	NexusTek Phoenix	5,196.99	CLOUD STORAGE BACKUP	
EFT000000000623	7/26/2023	Whitson CM	2,800.00	6/23 SITE INSPECTIONS (OMWD HQ)	
EFT000000000624	7/26/2023	Nossaman LLP	17,428.60	RANCHO DIEGUENO ROAD	Yes
EFT000000000625	7/26/2023	Western Hose & Gasket	10,823.65	SS Cam Fittings	Yes
EFT000000000626	7/26/2023	Valley Construction Management	14,924.75	CONSTRUCTION MANAGEMENT SERVICES NEIGHBORHOOD 1 SPS PROJECT	Yes
EFT000000000627	7/26/2023	JWC Environmental Inc.	25,134.58	4S WRF Headwork Repairs Project	Yes
			2,276,470.51		

Olivenhain Municipal Water District
Monthly Directors Fee and Reimbursed Expenses for Directors and Staff
July 2023

<u>Name</u>	<u>Payment Date</u>	<u>Check#/ Credit Card</u>	<u>Meals & Lodging</u>	<u>Travel & Transport</u>	<u>Other</u>	<u>Total Reimbursed Expenses</u>	<u>Directors Fee*</u>
Director Guerin			0.00	0.00	0.00	0.00	600.00
			0.00	0.00	0.00	0.00	600.00
Director Hahn			0.00	0.00	0.00	0.00	450.00
			0.00	0.00	0.00	0.00	450.00
Director Meyers			0.00	0.00	0.00	0.00	1,050.00
			0.00	0.00	0.00	0.00	1,050.00
Director San Antonio			0.00	0.00	0.00	0.00	300.00
			0.00	0.00	0.00	0.00	300.00
Director Watt			0.00	0.00	0.00	0.00	300.00
			0.00	0.00	0.00	0.00	300.00
General Manager Thorner			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Human Resources Manager Joslin			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Finance Manager Selamat			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Operations Manager Fulks			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Engineering Manager Stephenson			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Assistant General Manager Randall			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Customer Service Manager Carnegie			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	

*June and July Per Diems.

Notes:

(1) Reviewed and discussed with the Finance Committee (02/05/18).

(2) Reimbursement of expenses are in compliance with Article 19 of the District's Administrative and Ethics Code.

(3) Travel and other expenses charged to District's credit cards and paid by the District are recorded and maintained separately.

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Rainy K. Selamat, Finance Manager
Via: Kimberly Thorner, General Manager
Subject: **CONSIDER ADOPTION OF A MOTION APPROVING THE DISTRICT'S
CONSOLIDATED STATEMENT OF NET POSITION, CONSOLIDATED
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION,
CONSOLIDATED STATEMENT OF CASH FLOWS, CONSOLIDATED ACTUAL VS
BUDGET SUMMARY, AND CONSTRUCTION IN PROGRESS REPORT**

The following unaudited monthly financial reports are enclosed for review and approval by the Board of Directors:

- May 2023 Monthly Statement of Net Position Report.
- May 2023 Statement of Revenues, Expenses, and Changes in Net Position Report.
- May 2023 Consolidated Statement of Cash Flows
- May 2023 Monthly Consolidated Actual VS Budget Summary and explanation of significant variance report.
- May 2023 Construction In Progress Report.

OLIVENHAIN MUNICIPAL WATER DISTRICT
Statement of Net Position (Unaudited)
All Funds
5/31/2023

Assets

Current assets:

Unrestricted assets:

Cash and cash equivalents	\$79,466,023
Accounts receivable - water and sewer, net	7,145,160
Interest Receivable	333,140
Taxes receivable	184,365
Other receivables	244,233
Lease receivable	394,170
Inventories	1,807,895
Prepaid expenses and deposits	598,782
Total unrestricted assets	<u>90,173,769</u>

Restricted assets:

Cash and cash equivalents	16,881,764
Assessments receivable	46,716
Grants receivable	1,264,416
Total restricted assets	<u>18,192,896</u>
Total current assets	<u>108,366,665</u>

Noncurrent assets:

Capital assets, nondepreciable	50,814,075
Capital assets, depreciable/amortizable, net	<u>326,983,705</u>
Capital assets, net	377,797,780
Prepaid bond insurance	17,511
Lease receivable	9,955,712
Total noncurrent assets	<u>387,771,003</u>
Total assets	<u>496,137,669</u>

Deferred Outflows of Resources

Deferred amount on refunding	(871,082)
Deferred amount from pension	<u>(2,731,692)</u>
Total deferred outflows of resources	<u>(3,602,774)</u>

Liabilities

Current Liabilities

Liabilities payable from unrestricted assets:

Accounts payable	5,929,263
Accrued payroll	331,021
Customer deposits	371,912
Payable related to work in progress	91,256
Compensated absences, current portion	996,839
Current portion of long-term debt:	
Wastewater Revenue Bonds 2021A	207,240
Wastewater Refunding Revenue Bonds 2021B	569,840
Water Revenue Refunding Bonds 2016A	560,000
Water Revenue Refunding Bonds 2015A	1,845,000
Special Assessment Debt with Government Commi...	883,019
Notes Payable	827,001
Total liabilities payable from unrestricted assets	<u>12,612,391</u>

Liabilities payable from restricted assets:

Accounts payable	3,426
Interest payable	692,367
Total liabilities payable from restricted assets	<u>695,793</u>
Total current liabilities	<u>13,308,184</u>

Noncurrent liabilities

Compensated absences	1,075,838
Net pension liability	7,819,768
Long-term debt, excluding current portion:	
Wastewater Revenue Bonds 2021A	4,589,160
Wastewater Refunding Revenue Bonds 2021B	2,944,060
Water Revenue Refunding Bonds 2016A	13,045,827
Water Revenue Refunding Bonds 2015A	11,466,898
Special Assessment Debt with Government Commi...	3,711,672
Notes Payable	9,929,472
Total noncurrent liabilities	<u>54,582,695</u>
Total liabilities	<u>67,890,879</u>

OLIVENHAIN MUNICIPAL WATER DISTRICT
Statement of Net Position (Unaudited)
All Funds
5/31/2023

Deferred Inflows of Resources	
Deferred amounts on pension	6,995,887
Deferred amounts on leases	9,796,852
Total deferred inflows of resources	<u>16,792,739</u>
Net Position	
Investment in Capital Assets, net of related debt	332,519,545
Restricted Net Position	13,067,231
Unrestricted Net Position	<u>69,470,048</u>
Total Net Position	<u><u>415,056,824</u></u>

OLIVENHAIN MUNICIPAL WATER DISTRICT
Statement of Revenues, Expenses and Changes in Net Position (Unaudited)
All Funds
For the Eleven Months Ending 5/31/2023

	<u>2023</u>
Operating Revenues:	
Water Sales	\$48,345,641
Sewer Charges	5,607,886
Other Water Operating revenues	<u>773,108</u>
Total Operating Revenues	54,726,634
Operating Expenses	
Cost of Purchased Water Sold	26,787,645
Pumping and Water Treatment	3,960,881
Transmission and Distribution	4,109,801
Sewer Collection and Treatment	1,892,027
Elfin Forest Recreation Operations	382,520
Facilities Maintenance	1,140,356
Customer Service	1,804,667
General and Administrative	6,975,931
Depreciation and Amortization	<u>10,102,950</u>
Total Operating Expenses	57,156,778
Operating Income (Loss)	(2,430,144)
Nonoperating Revenues (Expenses)	
Investment income	1,837,226
Property taxes	4,521,383
Capacity charges	1,223,324
Benefit assessments	1,032,527
Other nonoperating revenues	736,432
Interest expense, net	(1,125,070)
Other nonoperating expenses	<u>(526,139)</u>
Total nonoperating revenues (expenses)	7,699,683
Income before capital contributions	<u>5,269,540</u>
Capital contributions	<u>2,461,899</u>
Change in net position	7,731,439
Net Position, Beginning of year	<u>407,325,385</u>
Net Position, End of year	<u><u>415,056,824</u></u>

OLIVENHAIN MUNICIPAL WATER DISTRICT
CONSOLIDATED STATEMENT OF CASH FLOWS (UNAUDITED)
AS OF MAY 31, 2023

CASH FLOWS FROM OPERATING ACTIVITIES:

Receipts from water and sewer customers	\$ 57,068,093
Payments for water	(27,835,857)
Payments for services and supplies	(6,895,343)
Payments for employee wages, benefits and related costs	(13,915,568)
Net cash provided by operating activities	<u>8,421,325</u>

CASH FLOWS FROM NONCAPITAL AND RELATED FINANCING ACTIVITIES:

Property taxes and benefit assessments received	<u>5,546,486</u>
Net cash provided by noncapital and related financing activities	<u>5,546,486</u>

CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:

Acquisition and construction of capital assets	(11,734,207)
Proceeds from Grants	396,922
Principal paid on long-term debt	(1,648,487)
Interest paid on long-term debt	(564,912)
Capacity charges received	1,223,324
Other capital financing receipts (expenses)	358,642
Net cash used by capital and related financing activities	<u>(11,968,718)</u>

CASH FLOWS FROM INVESTING ACTIVITIES:

Investment income received	<u>1,648,213</u>
Net cash provided (used) by investing activities	<u>1,648,213</u>

Net increase (decrease) in cash and cash equivalents 3,647,306

Cash and cash equivalents, beginning of year 55,947,025

Cash and cash equivalents, end of period \$ 59,594,331

FINANCIAL STATEMENT PRESENTATION:

Cash and cash equivalents - current assets	45,044,286
Cash and cash equivalents - restricted assets	14,550,045
Total cash and cash equivalents	<u><u>\$ 59,594,331</u></u>

CASH AND CASH EQUIVALENTS RECONCILIATION			
		Balance Includes	Without Mkt
		Mkt Securities	Securities
Unrestricted cash	5/31/2023	79,466,023	45,044,286
Restricted cash	5/31/2023	16,881,764	14,550,045
Total cash and cash equivalents			<u><u>59,594,331</u></u>

OLIVENHAIN MUNICIPAL WATER DISTRICT
Consolidated Actual vs Budget Summary
For the Eleven Months Ending 5/31/2023

	Approved Budget	Actual YTD	Budget YTD	Variance Amt	Variance %	Notes
Operating Revenues						
Commodity Water Sales	\$43,373,000.00	\$33,531,183.16	\$38,962,200.00	(\$5,431,016.84)	(13.9%)	1
Water Fees and Services	17,376,000.00	15,587,565.42	15,907,450.00	(319,884.58)	(2.0%)	2
Sewer Revenue	5,598,000.00	5,607,885.69	5,569,100.00	38,785.69	0.7%	
Total Operating Revenues	66,347,000.00	54,726,634.27	60,438,750.00	(5,712,115.73)	(9.5%)	
Operating Expenses						
Purchased Water - Variable	23,798,000.00	19,001,957.07	21,399,380.00	2,397,422.93	11.2%	1
Purchased Water - Fixed	8,443,000.00	7,785,688.09	7,739,600.00	(46,088.09)	(0.6%)	
General Manager Dept	2,044,000.00	1,742,544.45	1,872,750.00	130,205.55	7.0%	3
Engineering Dept	2,428,000.00	1,905,128.19	2,227,200.00	322,071.81	14.5%	3
Finance Dept	1,633,000.00	1,394,414.04	1,497,210.00	102,795.96	6.9%	3
Customer Service Dept	3,003,000.00	2,463,642.10	2,754,246.00	290,603.90	10.6%	3
Human Resources Dept	783,000.00	726,615.60	718,168.00	(8,447.60)	(1.2%)	3
Water Operations and Maintenance Dept	11,774,500.00	9,788,942.60	10,791,759.00	1,002,816.40	9.3%	3
Parks Dept	478,000.00	418,703.61	439,626.00	20,922.39	4.8%	3
Other Operating Expenses	50,000.00		46,200.00	46,200.00	100.0%	
Sewer Operations and Maintenance Dept	2,974,000.00	2,708,799.51	2,727,142.00	18,342.49	0.7%	3
Recycled Water Operations Dept	1,287,000.00	1,039,324.53	1,182,170.00	142,845.47	12.1%	3
Paygo Transfers						
Water Operations	6,400,000.00	5,863,000.00	5,863,000.00		0.0%	
Sanitation Operations	1,590,000.00	1,463,000.00	1,463,000.00		0.0%	
Recycled Operations	2,200,000.00	2,013,000.00	2,013,000.00		0.0%	
Capitalized Operations Expenditures	(1,843,000.00)	(1,157,981.90)	(1,694,770.00)	(536,788.10)	31.7%	4
Total Operating Expenses	67,042,500.00	57,156,777.89	61,039,681.00	3,882,903.11	6.4%	
Net Operating Income (Loss)	(695,500.00)	(2,430,143.62)	(600,931.00)	(1,829,212.62)		
Nonoperating Revenues						
Water Funds	6,033,000.00	6,319,046.83	4,886,270.00	1,432,776.83	29.3%	5
Debt Service Funds	1,044,000.00	1,230,358.07	1,029,580.00	200,778.07	19.5%	6
Sewer Funds	32,000.00	117,370.11	29,700.00	87,670.11	295.2%	6
Recycled Water Funds	52,000.00	140,257.11	48,180.00	92,077.11	191.1%	6
Total Nonoperating Revenue	7,161,000.00	7,807,032.12	5,993,730.00	1,813,302.12	30.3%	
Nonoperating Expense						
Capacity Fee Funds	30,000.00	44,267.39	27,280.00	(16,987.39)	(62.3%)	
Debt Service Funds	1,569,000.00	1,194,774.23	1,438,250.00	243,475.77	16.9%	7
Potable Water Funds	610,000.00	412,168.07	558,800.00	146,631.93	26.2%	8
Total Nonoperating Expense	2,209,000.00	1,651,209.69	2,024,330.00	373,120.31	18.4%	
Inc before Cap Fees and Capital Contributions	4,256,500.00	3,725,678.81	3,368,469.00	357,209.81		
Capacity Fee Funds	356,000.00	1,543,860.89				
Capital contributions	1,897,000.00	2,461,899.20				
Change in Net Position		7,731,438.90				

OLIVENHAIN MUNICIPAL WATER DISTRICT
Actual vs Budget Variance
For the Eleven Months Ending 5/31/2023

1. Water Sales revenue was lower than Budget YTD by approximately \$5.4 million resulting in an unfavorable variance of 13.9%. The negative variance is primarily due to lower water consumption than budgeted due to excessive amounts of rainfall throughout the winter months. Consequently, purchased water variable expenses were also lower than the Budget YTD for a favorable variance of \$2.4 million or 11.2%.
2. Water Fees and Services revenue were lower than Budget YTD primarily due to delays in selling excess treatment services to Vallecitos Water District (VWD) from the David C. McCollom Water Treatment Plant. The delays were due to the actual VWD's planned system shutdown being longer than assumed in the Budget YTD amount.
3. Actual departmental expenses varied from the Budget YTD amounts due to the timing of actual operating expenses. The Budget YTD amounts assume expenditures are incurred evenly throughout the year.
4. Actual Capitalized Operating Expenses were lower than the Budget YTD amount due to the timing of capitalized labor spent on District projects. Several District projects have been delayed due to supply chain issues on critical parts and construction delays which affected the timing of capitalized labor. Actual Capitalized Operating Expenses are expected to be lower than Budget YTD for the current fiscal year. Capitalized labor costs for any delayed projects have been accounted for in the Fiscal Year 2024 budget.
5. Actual Non-operating Revenues – Water Funds were greater than Budget YTD for a positive variance due to a higher amount of interest income earned on investments from increased yields on short-term investments, the timing of property tax revenues received from the County, and miscellaneous (non-recurring) income from non-operating activities, including the SDCWA refunds of \$499,000.
6. Actual Non-operating Revenues – Debt Service Funds, Sewer Funds, and Recycled Water Funds were greater than Budget YTD for a positive variance due to a higher amount of interest income earned on investments from increased yields on short-term investments.
7. Actual Non-operating Expenses - Debt Service Funds were lower than the Budget YTD amount for a positive variance because amortization of the issuance premium is not included in the 2015A Bonds interest expense.
8. Actual Non-operating Expenses – Potable Water Funds were lower than the Budget YTD amount for a positive variance due to a lower amount of Rate Reimbursement Credits issued to customers than anticipated in the budget due to decreased consumption as stated in note 1 above.

Construction Work In Progress Report as of 5/31/2023

Project Name	Budget	Appropriation to Date	Expenditures & Encumbrance	(Over) / Under	
Replace Neighborhood 1 SPS	\$7,732,000	\$7,732,000	\$7,424,733	\$307,267	
Manchester Recyc PL Exten.	\$5,225,000	\$5,225,000	\$4,866,074	\$358,926	
San Dieguito Desalination	\$42,837,000	\$4,562,000	\$4,557,017	\$4,983	
HOA Pipeline Ext - CB, VP, SH	\$2,645,000	\$2,145,000	\$255,619	\$1,889,381	
RSFe Rd Unit A North PL	\$2,294,000	\$1,450,000	\$362,491	\$1,087,509	
Replace Pipelines	\$8,983,000	\$1,305,000	\$210,650	\$1,094,350	
Replace Valves	\$8,856,000	\$1,085,000	\$836,696	\$248,304	
DCMWTP 4th Stage Centrifuge	\$1,040,000	\$1,040,000	\$332,338	\$707,662	
Fixed Base AMI	\$2,416,000	\$853,000	\$718,430	\$134,570	
Replace DCMWTP Membranes	\$8,970,000	\$800,000	\$796,137	\$3,863	
Hydropower Turbine Refurb	\$800,000	\$800,000	\$472,019	\$327,981	
DCMWTP PH Control System	\$737,000	\$737,000	\$691,427	\$45,573	
DCMWTP Condition Assessment	\$660,000	\$660,000	\$627,762	\$32,238	
Replace Headworks Manual Sys	\$3,160,000	\$619,000	\$434,151	\$184,849	
Parking & Access Improvements	\$575,000	\$532,000	\$511,426	\$20,574	
Pot & Recycled Master Plan	\$583,000	\$438,000	\$423,146	\$14,854	
Residuals Handling Bldg Canopy	\$400,500	\$400,500	\$51,453	\$349,047	
Lone Jack PRS	\$385,000	\$385,000	\$398,144	(\$13,144)	(1) See note below
Replace Potable Meters	\$4,921,000	\$315,000	\$330,169	(\$15,169)	(2) See note below
DCMWTP Analyzer Replace.	\$305,000	\$305,000	\$296,558	\$8,442	
Steel Mains Protection	\$3,375,000	\$281,000	\$255,775	\$25,225	
District-Wide Scada Upgrades	\$256,000	\$256,000	\$7,847	\$248,153	
Backup Generator SFV RW Pump	\$250,000	\$250,000	-	\$250,000	
DCMWTP 2nd Stage Memb. Train	\$807,500	\$232,500	\$33,330	\$199,170	
Ext. 153 Flow Meter	\$385,000	\$230,000	\$87,815	\$142,185	
4SWRF Emergency Wiring Replmnt	\$224,000	\$224,000	\$156,109	\$67,891	
Network User Enhancements	\$200,000	\$200,000	\$171,875	\$28,125	
Village Park PRS	\$960,000	\$200,000	\$116,900	\$83,100	
Gardendale PRS	\$960,000	\$200,000	\$114,341	\$85,659	
Cielo SPS Flow Meters	\$443,000	\$193,000	\$19,003	\$173,997	
District-Wide PLC replacements	\$1,066,000	\$180,000	\$174,476	\$5,524	
District-Wide PLC Repl (WW)	\$901,000	\$180,000	\$190,793	(\$10,793)	(3) See note below
Rancho Cielo Pipeline Replmnt	\$831,000	\$173,000	-	\$173,000	
Collection System SPS Rehab	\$912,000	\$169,000	\$3,259	\$165,741	
Replace WW Pumps/ Motors/Equip	\$2,024,000	\$169,000	\$139,998	\$29,002	
Network Security	\$1,175,000	\$165,000	\$135,210	\$29,790	
Rancho La Cima/Aliso Canyon PL	\$300,000	\$165,000	\$63,152	\$101,848	
Golem 14" Pipeln Cond. Assess.	\$150,000	\$150,000	\$283	\$149,717	
Replace Meter Anodes	\$1,754,000	\$146,000	\$121,090	\$24,910	
Encinitas Blvd Insp. & Repair	\$682,000	\$145,000	\$725	\$144,275	
Chlorine Gen Rm Lining Rehab	\$145,000	\$145,000	\$4,286	\$140,714	
4S Ranch Pipe Replacement	\$660,000	\$136,000	-	\$136,000	
District-Wide Facility Securit	\$240,000	\$120,000	\$32,902	\$87,098	
SWPPP Facility Improvements	\$100,000	\$100,000	\$91,395	\$8,605	
Gaty II Safety Improvements	\$590,000	\$99,000	\$94,194	\$4,806	
Replace Pot. Pumps and Motors	\$1,022,000	\$94,000	\$64,017	\$29,983	
Palms I and II Reservoirs	\$1,307,000	\$73,000	\$72,785	\$215	
EFRR Parking Lot Repair	\$72,500	\$73,000	\$71,627	\$1,373	
4S WRF Scada Upgrades	\$64,000	\$64,000	\$1,807	\$62,194	
Recycled Conversions	\$719,000	\$60,000	\$75,095	(\$15,095)	(4) See note below
Replace PRS Valves	\$602,600	\$56,600	\$43,006	\$13,594	
Landscape HQ Courtyards	\$54,000	\$54,000	\$51,993	\$2,007	
Rancho Cielo Manhole Lining	\$586,000	\$48,000	\$9,640	\$38,360	
Pot. Office Furniture/Equip.	\$47,000	\$47,000	\$12,357	\$34,643	
Rehab Concrete Tanks	\$904,000	\$45,000	\$70,466	(\$25,466)	(5) See note below
Wanket RW Reservoir Rehab	\$150,000	\$43,000	\$7,028	\$35,972	
4S Physical Security Upgrades	\$210,000	\$40,000	\$525	\$39,475	
Catalytic Converter Theft Prev	\$38,000	\$38,000	\$4,175	\$33,825	
DCMWTP Backpulse Pipeln Repair	\$34,000	\$34,000	\$33,925	\$75	
Physical Security Upgrades	\$250,000	\$25,000	\$2,372	\$22,628	
Replace Overflow Pond Strainer	\$231,000	\$25,000	\$6,937	\$18,063	
Meter Replacement, Recycled	\$241,000	\$21,000	\$14,498	\$6,502	
Vault Upgrades	\$98,400	\$20,400	\$20,395	\$5	
4S System Manhole Lining	\$206,000	\$17,000	\$17,610	(\$610)	(6) See note below
WW Master Plan	\$110,000	\$10,000	\$4,819	\$5,181	
Total:	\$129,861,500	\$36,785,000	\$27,196,273	\$9,588,727	

Notes:

(1) Overage is due to more staff labor on the project than anticipated to complete the project in a timely manner. Overage is within the manager approval limit.

(2) Overage is due to more 1.5" and 2" meters being replaced which are most costly, plus more meters overall were replaced than typical. FY 2024 budget has been increased to account for increased costs and number of replacements.

(3) Overage includes forty five thousand dollars in encumbrances expected to be spent in FY 2024. Project will receive one million one hundred thousand dollars in additional appropriations in FY 2024 bringing the project back within budget.

(4) Overage is due to more staff labor on the project than anticipated due to increased permitting and regulatory requirements from DDW. Overage is within the manager approval limit.

(5) Project overage due to encumbrance from prior fiscal year that was not rolled forward. More work carried over from the prior fiscal than staff anticipated. Overage within manager approval limit.

(6) Project is complete and came in slightly over budget. This is a recurring project which will receive eighteen thousand dollars in new appropriations for FY 2024.

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Paul Martinez, Engineering Technician I
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER ACCEPTANCE OF THE MCCRINK RANCH (UNIT 6) DEVELOPMENT WATER FACILITIES INSTALLATION PROJECT (LENNAR HOMES OF CALIFORNIA, INC.) INTO OMWD'S SYSTEM AND ORDER A NOTICE OF COMPLETION BE FILED**

Purpose

The purpose of this agenda item is to consider acceptance of the transfer of the potable water facilities constructed by Lennar Homes of California, Inc., (Developer) for the McCrink Ranch Unit 6 development project into OMWD's system and authorize the filing of a Notice of Completion with the San Diego County Recorder.

Recommendation

Staff recommends acceptance of the potable water facilities into OMWD's system.

Alternative(s)

None; the Project is complete, and facilities were constructed to OMWD's Standards and Specifications per the Development Construction Agreement.

Background

The McCrink Ranch Unit 6 Project is located on Sunny Summit Drive, east of Old Course Road in Director Division 1 (San Antonio). The Project consisted of the installation of a pipeline extension, thirty 1" water service lines, and 5 fire hydrants.

OMWD entered into an agreement with the Developer in August of 2019 to construct the facilities and dedicate said facilities to OMWD. The facilities are now complete and have been built in accordance with OMWD Standards and Specifications. The warranty period will terminate one (1) year following the acceptance of the facilities by OMWD's Board.

Fiscal Impact

There is no fiscal impact to accepting the facilities into OMWD's system. The new assets will be reported to Finance for capitalization.

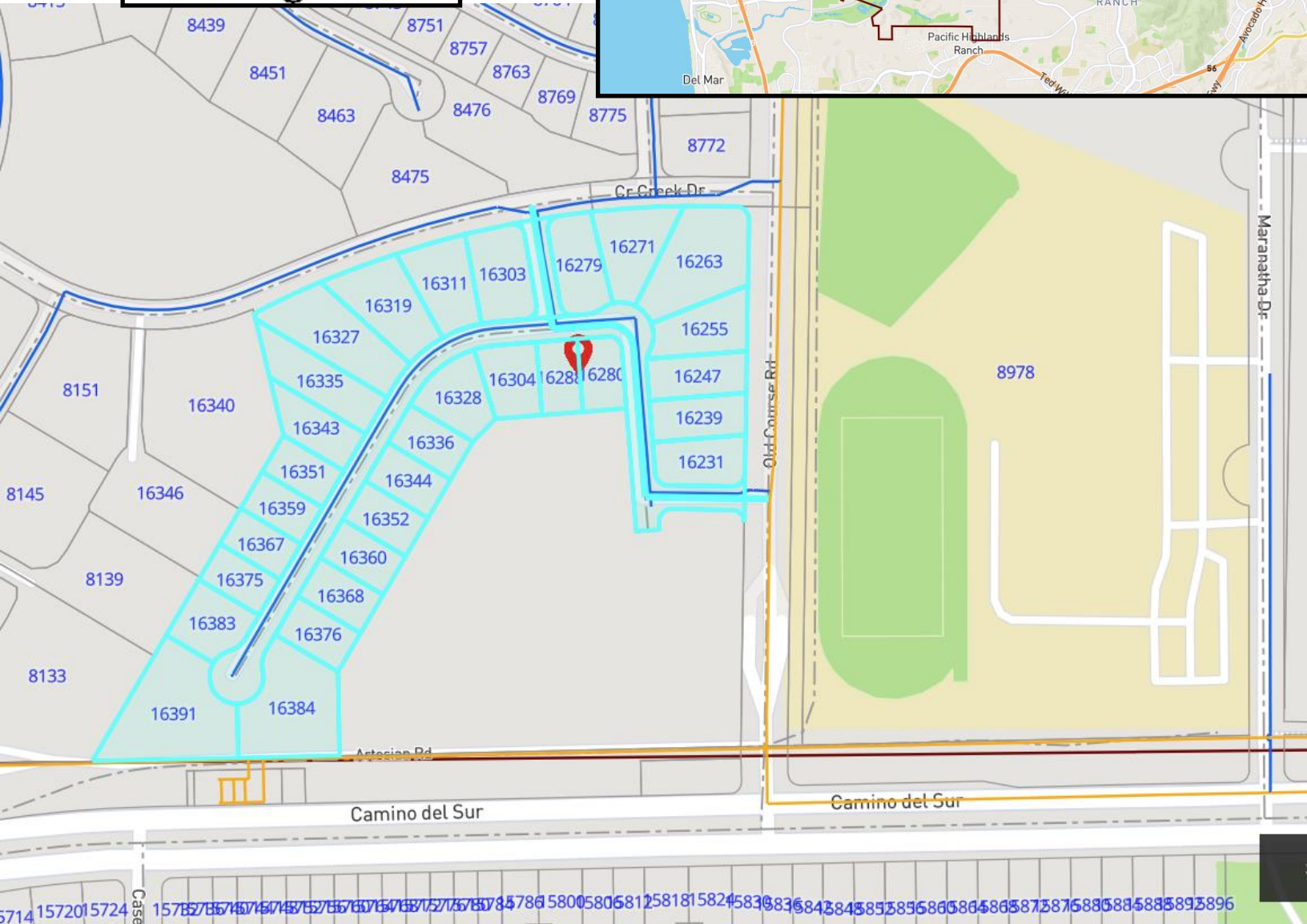
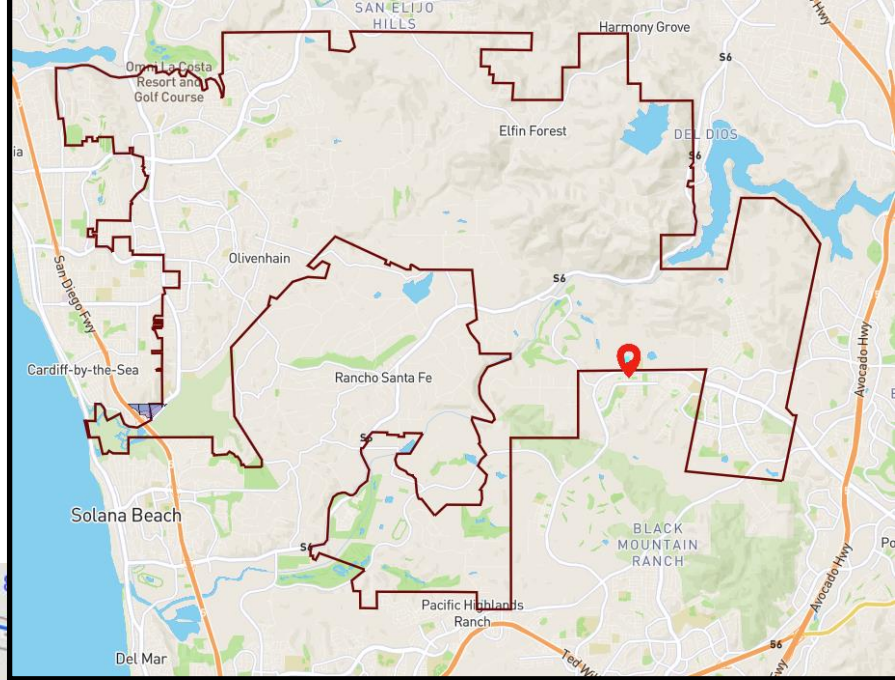
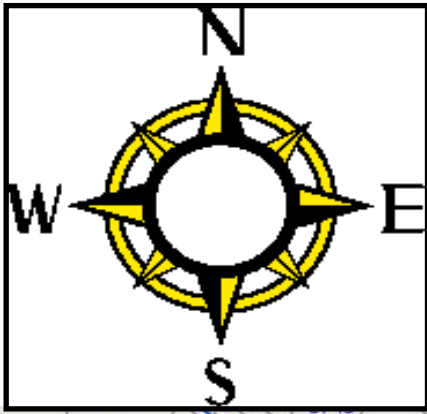
Discussion

Staff is available to answer questions.

Attachments:

Location Map

Notice of Completion



LOCATION MAP

MCCRINK RANCH UNIT 6 PROJECT INSTALL

DISTRICT PROJECT NO. W550016

**RECORDING REQUESTED BY &
WHEN RECORDED RETURN TO:**

Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, California, 92024-5699

(This space for recorder's use)

NOTICE OF COMPLETION

NOTICE IS HEREBY GIVEN that the facilities shown on improvement plans for McCrink Ranch Unit 6 Tract 5069-6 of Map No. 16031, recorded on June 17th, 2015 located in the County of San Diego, State of California for which Lennar Homes of California, Inc., ("Developer") contracted with the OLIVENHAIN MUNICIPAL WATER DISTRICT ("Owner," in fee, of the facilities), headquartered at 1966 Olivenhain Road, Encinitas, CA 92024, have been completed in accordance with the plans and specifications as of May 25th, 2023. The facilities have been accepted by the Board of Directors of the OLIVENHAIN MUNICIPAL WATER DISTRICT on this 16th day of August 2023.

In witness whereof this Notice of Completion has been executed under authority from the Board of Directors of said OLIVENHAIN MUNICIPAL WATER DISTRICT by Kimberly A. Thorner, General Manager.

KIMBERLY A. THORNER, being first duly sworn, deposes and says that she is General Manager of the OLIVENHAIN MUNICIPAL WATER DISTRICT and is familiar with the facts stated in the foregoing Notice of Completion executed for and on behalf of said Agency, that she has read the foregoing Notice of Completion and knows the contents thereof and that the same are true.

OLIVENHAIN MUNICIPAL WATER DISTRICT

Date: _____, 20__

By: _____

Kimberly A. Thorner
General Manager

District Project No. W550016 – McCrink Ranch Unit 6 Install

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Paul Martinez, Engineering Technician I
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER ACCEPTANCE OF THE AVION DEVELOPMENT SEWER FACILITIES INSTALLATION PROJECT (LENNAR HOMES OF CALIFORNIA, INC.) INTO OMWD'S SYSTEM AND ORDER A NOTICE OF COMPLETION BE FILED**

Purpose

The purpose of this agenda item is to consider acceptance of the transfer of the sewer facilities constructed by Lennar Homes of California, Inc., (Developer) For the Avion development project into OMWD's system and authorize the filing of a Notice of Completion with the San Diego County Recorder.

Recommendation

Staff recommends acceptance of the sewer facilities into OMWD's system.

Alternative(s)

None; the project is complete, and facilities were constructed to OMWD's Standards and Specifications per the Development Construction Agreement.

Background

The Avion Development Manhole Installation Project is located on DeBevoise Park Drive, east of Taburno Way in Director Division 4 (Hahn). The Project consisted of the installation of a sewer manhole connecting the private development to OMWD's sewer system.

OMWD entered into an agreement with the Developer in May of 2022 to construct the facilities and dedicate said facilities to OMWD. The facilities are now complete and have been built in accordance with OMWD Standards and Specifications. The warranty period will terminate one (1) year following the acceptance of the facilities by OMWD's Board.

Fiscal Impact

There is no fiscal impact to accepting the facilities into OMWD's system. The new assets will be reported to Finance for capitalization.

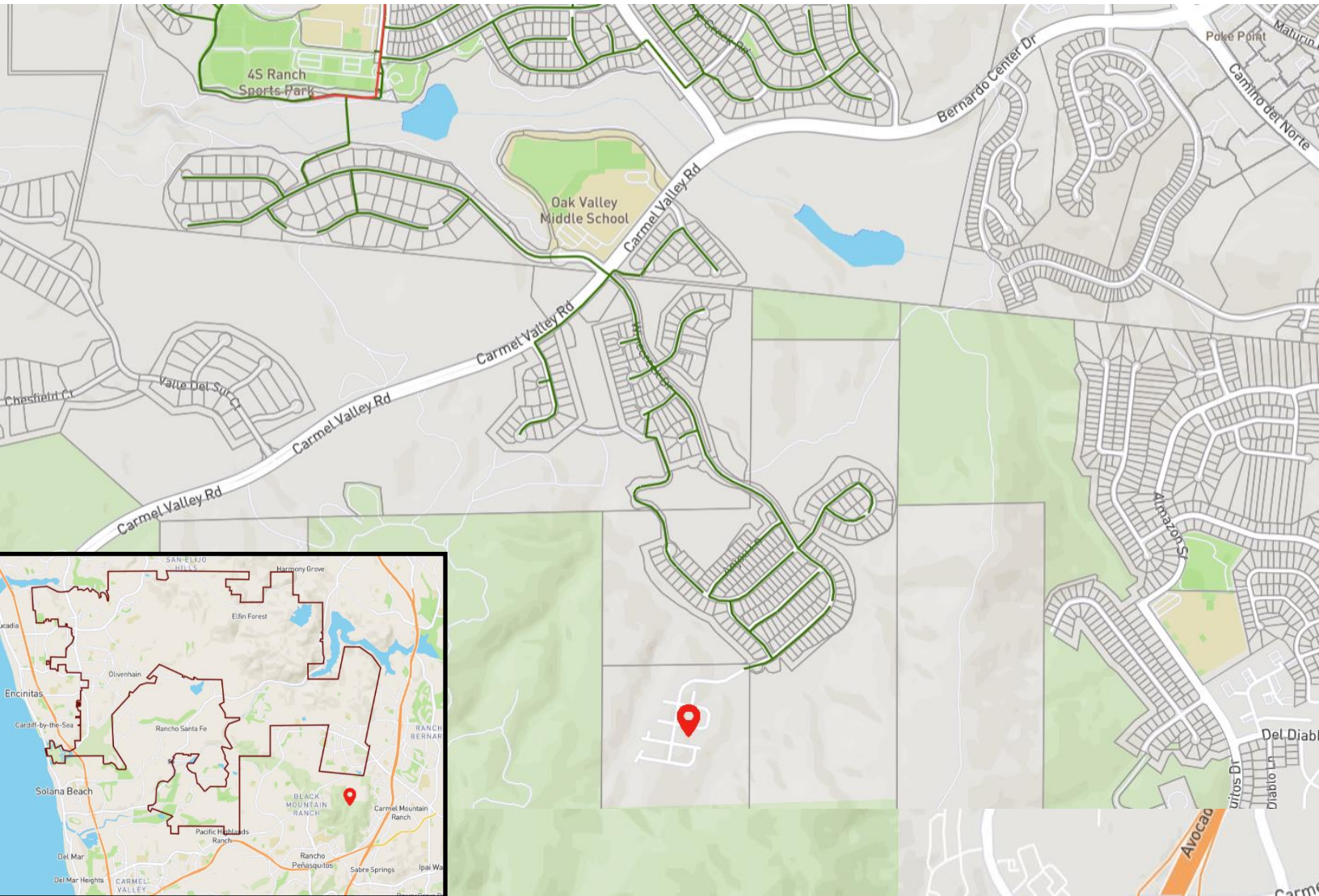
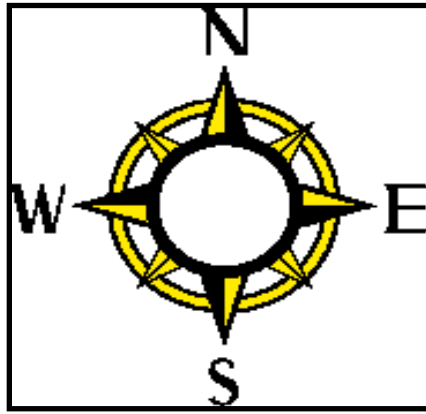
Discussion

Staff is available to answer questions.

Attachments:

Location Map

Notice of Completion



LOCATION MAP

**AVION SEWER EXTENSION INSTALL
DISTRICT PROJECT NO. W550018**

**RECORDING REQUESTED BY &
WHEN RECORDED RETURN TO:**

Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, California, 92024-5699

(This space for recorder's use)

NOTICE OF COMPLETION

NOTICE IS HEREBY GIVEN that the facilities shown on improvement plans for Parcel 310-010-16-00 of Map No. 16472, recorded on August 19th, 2021 located in the City of San Diego, State of California for which Lennar Homes of California, Inc., ("Developer") contracted with the OLIVENHAIN MUNICIPAL WATER DISTRICT ("Owner," in fee, of the facilities), headquartered at 1966 Olivenhain Road, Encinitas, CA 92024, have been completed in accordance with the plans and specifications as of June 12th, 2023. The facilities have been accepted by the Board of Directors of the OLIVENHAIN MUNICIPAL WATER DISTRICT on this 16th day of August 2023.

In witness whereof this Notice of Completion has been executed under authority from the Board of Directors of said OLIVENHAIN MUNICIPAL WATER DISTRICT by Kimberly A. Thorner, General Manager.

KIMBERLY A. THORNER, being first duly sworn, deposes and says that she is General Manager of the OLIVENHAIN MUNICIPAL WATER DISTRICT and is familiar with the facts stated in the foregoing Notice of Completion executed for and on behalf of said Agency, that she has read the foregoing Notice of Completion and knows the contents thereof and that the same are true.

OLIVENHAIN MUNICIPAL WATER DISTRICT

Date: _____, 20__

By: _____

Kimberly A. Thorner
General Manager

District Project No. W550018 – Avion Development Sewer Manhole Install

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Kimberly A. Thorner, General Manager
Subject: **CONSIDER VOTING FOR THE ASSOCIATION OF CALIFORNIA WATER AGENCIES REGION 10 BOARD OF DIRECTORS**

Purpose

This item is to vote for the Association of California Water Agencies Region 10 Board of Directors.

Recommendation

Staff recommends voting for the slate proposed by the Region 10 Nominating Committee. All of the San Diego County candidates are known by staff and will do an excellent job representing our region.

Alternative(s)

The board may choose to vote for individual board candidate nominations or against participation in this election.

Background

Each of ACWA's ten regional divisions features a Board of Directors comprised of a chair and vice chair—both of whom also serve on ACWA's statewide Board of Directors—and up to five board members. Members of the board hold two-year terms.

ACWA Region 10 is comprised of Orange and San Diego counties; approximately 39 agencies make up the region's membership. The candidates in this election were nominated by Region 10 member agencies in August 2021.

Fiscal Impact

There is no cost associated with participating in this election.

Discussion

The Region 10 Nominating Committee reviewed the qualifications of each nominee and proposed a recommended slate of candidates for this election. The recommended slate includes Dana Frieauf, Board Member of Santa Fe Irrigation District as Chair, and Charles T. Gibson, director of San Margarita Water District as Vice Chair. The recommended board members include Marice H. DePasquale, Vice President of Mesa Water District; George Murdoch, Vice President of East Orange County Water District; Deborah Neev, Commissioner of Laguna Beach County Water District, Jose Martinez, General Manager of Otay Water District; and Jennifer DeMeo, Vice President of Fallbrook Utility District.

*Attachment: ACWA Official Region 10 Board Ballot
Candidate Bios
Candidate Correspondence*

OFFICIAL

REGION 10 Board Ballot

2024-2025 TERM



**Please return completed ballot by
Sept. 15, 2023**

E-mail: regionelections@acwa.com

Mail: ACWA
980 9th Street, Suite 1000
Sacramento, CA 95814

General Voting Instructions:

1 You may either vote for the slate recommended by the Region 10 Nominating Committee, or vote for individual candidates to serve as chair, vice chair, and board members for each county (please note rules & regulations for specific qualifications). Mark the appropriate box to indicate your decision.

2 Complete your agency information. The authorized representative is determined by your agency in accordance with your agency's policies and procedures.

Region 10 Rules & Regulations:

The chair and vice chair shall be from different counties. At least one of the chair or vice chair positions must be an elected/appointed director from a member agency. The region board members shall alternate every two years with three from one county and two from the other. The county from which the chair comes from shall have two region board members and the county from which the vice chair comes from shall have three region board members.

Submitted board candidate bios and headshots are available on www.acwa.com/elections/2023-region-elections/.

1

Nominating Committee's Recommended Slate

☐ I concur with the Region 10 Nominating Committee's recommended slate below.

CHAIR:

- **Dana Frieauf**, Board Member, Santa Fe Irrigation District (SD)

VICE CHAIR:

- **Charles T. Gibson**, Director, Santa Margarita Water District (OC)

BOARD MEMBERS:

- **Marice H. DePasquale**, Vice President, Board of Directors, Mesa Water District (OC)
- **George Murdoch**, Vice President, East Orange County Water District (OC)
- **Deborah Neev**, Commissioner, Laguna Beach County Water District (OC)
- **Jose Martinez**, General Manager, Otay Water District (SD)
- **Jennifer DeMeo**, Vice President, Fallbrook Public Utility District (SD)

OR

Individual Board Candidate Nominations

(See Rules & Regulations before selecting)

☐ I do not concur with the Region 10 Nominating Committee's recommended slate. I will vote for individual candidates below as indicated.

CANDIDATES FOR CHAIR: (CHOOSE ONE)

- ☐ **Dana Frieauf**, Board Member, Santa Fe Irrigation District (SD)

CANDIDATES FOR VICE CHAIR: (CHOOSE ONE)

- ☐ **Charles T. Gibson**, Director, Santa Margarita Water District (OC)

SAN DIEGO COUNTY CANDIDATES FOR BOARD MEMBERS: (MAX OF 2 CHOICES)

Alexandra (Ally) Berenter, Senior Manager, External Affairs & Water Policy, City of San Diego (SD)

Manny Delgado, Director, Sweetwater Authority (SD)

Jennifer DeMeo, Vice President, Fallbrook Public Utility District (SD)

Jose Martinez, General Manager, Otay Water District (SD)

ORANGE COUNTY CANDIDATES FOR BOARD MEMBERS: (MAX OF 3 CHOICES)

Marice H. DePasquale, Vice President, Board of Directors, Mesa Water District (OC)

George Murdoch, Vice President, East Orange County Water District (OC)

Deborah Neev, Commissioner, Laguna Beach County Water District (OC)

2

AGENCY NAME

AUTHORIZED REPRESENTATIVE

DATE

Attachment
Region 10 Board Candidate (Chair) - Nomination Form

DANA FRIEHAUF
Vice-President
Santa Fe Irrigation District Board of Directors



Half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region Leadership:

I was honored to have been elected to the Santa Fe Irrigation District Board in November 2020. I am currently the Vice-President of the Board and serve on the Executive Committee and Administrative and Finance Committee. I had retired from the San Diego County Water Authority, as a Water Resources Manager, in March 2019, after working 30 plus years in the areas of water planning and policy. Throughout my career at the Water Authority and now as an elected SFID Board member, my priority and passion has been to work collaboratively with others to solve problems and issues. Over the course of my career, I coordinated with the Water Authority's 24 member agency managers to develop water plans and policies for the San Diego region. Serving as an alternate to the General Manager on the California Urban Water Agencies Board, I worked with CUWA member agencies to tackle statewide water issues. I also served on the state's Urban Advisory Group, collaborating with water agencies statewide, to provide input on a 2017 Framework Report to implement Governor Brown's water conservation executive order. Serving as Region 10 Vice-Chair this past term, my priority has been to work collaboratively with the Region 10 Board to ensure ACWA is meeting its members' needs in Region 10, to discuss the critical water issues we face and provide relevant and educational events for the Region 10 membership. As an ACWA Board member, my priority has been to ensure that Region 10 members' issues and concerns are heard at the Board meetings. These are examples of the collaborative leadership skills I would continue to bring to the ACWA Region 10 Board as Chair. These skills along with my knowledge of local, regional and statewide water issues gained from working at the Water Authority, serving on the SFID Board and serving as Region 10 Vice-Chair, make me a highly viable candidate to serve as Chair of ACWA's Region 10 Board.

Attachment to Region 10 Board Nomination Form

Director Charles Gibson – ACWA Relevant Biography

Since 2012, I am an elected Director of the Santa Margarita Water District. In my role as a Director, I have actively participated in both ACWA Region 10 and Statewide boards. While being seated on the Region 10 Board of Directors over the last three terms, I have regularly participated in meetings, helped develop the Region's work program and events bringing in top-level speakers on critical water issues, taken the lead on Federal matters and attended State ACWA Board meetings as Chair of Region 10. I also serve on ACWA's Federal Affairs Committee coordinating with other committee members including representatives of Metropolitan Water District of Southern California, Municipal Water District of Orange County, and San Diego County Water Authority toward our mutual goals of water reliability, strengthening water use efficiency measures through conservation programs and recycled water projects and development of regulations. In addition, I serve as Orange County's only representative on ACWA's statewide Agriculture Committee. Importantly, as Region 10 Board Chair, and if elected Region 10 Vice Chair, I will continue to coordinate with other leaders throughout ACWA's regions, including those in allied industries, and with others in the west and nationally. If elected, I will serve ACWA using my technical skills as a policymaker and manager, applying over 30 years of experience in the private sector and public sector developing legislation, analyzing projects and leading organizational studies.



Alexandra Berenter has been working on water issues for over a decade. For the past three years, Alexandra has been the Senior Manager of External Affairs & Policy with the City of San Diego. In this role, she serves as a subject matter expert and policy advisor to the Mayor and City leadership on a broad range of issues impacting water management and delivery. Additionally, she is responsible for overseeing communication and government affairs for the Public Utilities Department.

Prior to joining the City, Alexandra was the Director of Public Affairs at the Downtown San Diego Partnership where she led the organization's public policy efforts and developed strategic partnerships to foster economic progress downtown. For six years prior to that, she worked as congressional staff in Washington, D.C., where she managed a diverse legislative portfolio and was responsible for the analysis and drafting of federal legislation, and development of strategy to achieve successful policy outcomes. While on Capitol Hill, Alexandra served as the point person for California water negotiations amongst the House staff delegation. This was an opportunity to gain intimate knowledge of the complexities of California water policy and ultimately, this effort resulted in the inclusion of California drought provisions in the Water Infrastructure Improvements for the Nation (WIIN) Act.

Alexandra is a native San Diegan and earned her Bachelor of Arts degree in Political Science at Washington University in St. Louis.

Describe your ACWA-related activities that help qualify you for this office:

Attending spring & fall conferences consistently over my two terms has given me insight into the complex issues facing California's water infrastructure. San Diego has unique needs as an area with scarce groundwater sources. FPUD has been acutely aware of the need to diversify our supply of water for our urban community and vast agriculture concerns. ACWA has been an invaluable resource for me in my voting decisions as a Board member as well as good policy choices for my Fallbrook ratepayers. My long history as a customer service professional has allowed me to listen to and anticipate the needs of many individuals. More than 20 years working in the private sector have allowed me to easily transition into the water community in San Diego. My current position as Instructional Paraprofessional in the Fallbrook Union Elementary School District has enhanced my skillset in interpersonal relationships. It is very important to listen to individuals with both hearing and observational skills. The diverse personalities in the water industry create interesting interactions every day.

Write below or attach a half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region leadership.

I have served on the FPUD Board of Directors for seven years (since 2016), currently serving as the Vice President. In 2021, I served as the first female President of the Board in its 100-year history. I have also served on FPUD's Personnel Committee since 2016. I continue to be a voting ACWA JPIA Board Member since I was appointed in 2018. At every ACWA conference, I have attended our regional board meetings, and during 2020, I participated virtually in the regional calls.



Manny Delgado
Sweetwater Authority

Newly appointed Director of Sweetwater Authority and South Bay Irrigation District since January 2023 with 20+ years in community outreach and policy development working on public infrastructure projects (including water) within the private, local, state, and federal governments.

My experience in community outreach at the private and public sectors makes me an ideal candidate to help contribute to Region 10 and support ACWA's activities and regional involvement in the outreach program.

Jose Martinez
General Manager of the Otay Water District

Recognizing the demand for an increased talented pool of individuals in the water industry combined with the work and skills that military veterans have demonstrated during their military careers, Jose Martinez, military veteran, and general manager of the Otay Water District, initiated an opportunity to create a path for veterans, transitioning to civilian employment, to receive credit for their military experience and education toward certifications in the water industry. Through Assembly Bill 1588, signed into law in October 2019, California now supports veterans in navigating the civilian water system operator certification process, allowing them to apply equivalency standards toward state or industry certifications. As a result of the law, Jose was selected to serve on the state Drinking Water Operator Certificate Program Advisory Committee to assist in defining the process to implement the law.

Jose has more than 22 years of progressive management and leadership experience in private and public organizations within the highly regulated utility industry. He also has managed multimillion-dollar engineering and construction projects for water and wastewater facilities and has a strong administrative and financial management project background.

Jose assumed full-time duties as the general manager of the Otay Water District in March 2020. He has been at Otay for eleven years, serving as the assistant chief of water operations since 2014 and as the utility service manager since 2012. Prior to working at Otay, Jose also managed various utility capital improvement projects and programs for SAIC from 2007 to 2012.

As a military veteran, Jose also has contributed his United States Navy education and experience to the water industry including Otay. He served as a Nuclear Submarine Officer, managing preventive and corrective operations and maintenance of complex systems including water quality and water treatment. Jose has a Bachelor of Science in mechanical engineering with a focus in nuclear energy conversion from the U.S. Naval Academy and holds a minor degree in Spanish.

Re-Elect Marice H. DePasquale to ACWA Region 10 Board

Vice President, Mesa Water District (Mesa Water®)



OBJECTIVE: To continue advancing the goals of ACWA Region 10 in best serving its members, ACWA, and the industry by contributing my experience in community and water leadership, including as an ACWA Region 10 Board Member since 2022, and my skills as an advocacy and communications professional.

STATEMENT OF QUALIFICATIONS:

- [Mesa Water](#) – Vice President, Present & 2019-2021; President, 2021-2023; Executive Committee, 2019-Present; Legislative & Public Affairs Committee Chair and Engineering & Operations Committee Alternate, 2019-Present
- [ACWA](#) – Region 10 Board, 2022-Present; Communications Committee member, 2018-Present; featured in ACWA “Investing in our Future” video, 2019; Women in Water participant, 2017-Present
- [CalDesal](#) – Vice Chair, 2020-Present
- [Water UCI](#) – Board Member, 2018-Present
- **Other** – City of Huntington Beach, Affordable Housing Committee; Girl Scouts &

Junior Troop Leader; Orange County Building Industry Association; Seneca Family of Agencies, Board Member; University of California, Irvine (UCI) School of Social Science, Dean’s Board of Counselors; Water UCI Board Member

BACKGROUND: With a Bachelor of Arts degree in Political Science from UCI, Vice President Marice H. DePasquale has decades of public relations experience and is Principal of MConsensus, an award-winning public affairs firm specializing in land use entitlement, government and community relations, and grassroots lobbying. A Mesa Water Director since 2017, she values public service and giving back to the community, and is committed to assuring a safe, affordable, abundant, and reliable water supply for all Californians.

ELECT DEBBIE NEEV TO ACWA REGION 10 BOARD



I seek your support to represent ACWA Region 10 members with my extensive water experience, knowledge base, community involvement, and commitment to ACWA.

Background

As a Geophysical Engineer from the Colorado School of Mines, I have been and continue to be actively involved in water and environmental issues, not only in California, but worldwide.

My technical and consulting experience includes both investigation and implementation of water remediation systems (an example is the remediation of perchlorate contamination in the cities of Rialto and Glendale, CA) as well as identification and implementation of water resources (an example is brackish desalination in the Marianas Islands, which expanded their access to potable water well beyond six hours/day).

Qualifications

ACWA- Current ACWA/JPIA Director; served on the Groundwater Committee, Outreach Ambassador; attendance at over 30 ACWA conferences, and a supporting member of Women in Water.

Laguna Beach County Water District (LBCWD)- Commissioner for over 20 years, serving as Chair, Vice-Chair several times and serving on the Engineering, Personnel, Desalination, and Water Use Efficiency and Outreach Committees

South Orange County Watershed Management Area Executive Committee- Current member and Past President and Vice President

CalDesal- Current board member

Governor Appointments- Santa Ana Regional Water Quality Control Board and the Pipeline Safety Committee

Stephanie Kaufmann

From: Celina McDowell <cmcdowell@sfidwater.org>
Sent: Thursday, July 27, 2023 7:41 AM
To: Celina McDowell
Subject: Vote for Dana Frieauf - Chair ACWA Region 10 Board

CAUTION: EXTERNAL EMAIL. Do not click any links or open attachments unless you recognize the sender, verified their email address, and know the content is safe.

Santa Fe Irrigation District

July 27, 2023

Board President

RE: Vote for Dana Frieauf - Chair ACWA Region 10 Board

Dear Honorable Board of Directors,

I am excited to announce my candidacy for Chair of the Association of California Water Agencies Region 10 Board for the 2024-2025 Term. I am thrilled to have been included on the Nominating Committee's recommended slate. The official Region 10 Board Ballot was sent out mid-July. I kindly request that you consider casting your agency vote for me.

I am currently the Vice-President of the Santa Fe Irrigation District Board of Directors and serve on the Executive Committee and Administrative and Finance Committee. I retired from the San Diego County Water Authority, as a Water Resources Manager, in March 2019, after working 30 plus years in the areas of water planning and policy. Throughout my career at the Water Authority and now as an elected SFID Board member, my priority and passion has been to work collaboratively with others to ensure a reliable and affordable water supply for our customers.

Serving as Region 10 Vice-Chair this past term, I worked with the Region 10 Board to ensure ACWA is meeting its members' needs in Region 10, to discuss the critical water issues we face and provide relevant and educational events for the Region 10 membership. As an ACWA Board member, I strived to ensure that Region 10 members' issues and concerns are heard at the Board meetings. During this past term, I served on the ACWA Finance Committee, ACWA Finance Education Subcommittee, ACWA Climate Change Working Group and ACWA Board Infrastructure Task Force.

As Chair I commit to continued collaboration with water agencies in San Diego and Orange Counties to identify, discuss and resolve water issues of mutual concern and advocate for our interests on the ACWA Board. It would be my honor to serve as Chair on the Region 10 Board and I humbly ask for your vote.

I hope you will contact me via email at DFrieauf@SFIDWater.org with your questions. I would also welcome any thoughts you may have on how ACWA could better serve your agency in their advocacy and lobbying efforts.

Sincerely,



Dana Frieauf
Santa Fe Irrigation District
Director, Division 2



Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Jennifer Joslin, Human Resources Manager
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER ADOPTION OF AN ORDINANCE AMENDING THE OLIVENHAIN MUNICIPAL WATER DISTRICT'S ADMINISTRATIVE AND ETHICS CODE (Article 4 – Classified Positions, Article 5 – Working Hours, Employee Benefits, Article 20 – Employer-Employee Relations, and Article 21 – Safety Provisions and Practices)**

Purpose

The purpose of this item is to consider adoption of the attached Ordinance amending the District's Administrative and Ethics Code to revise Article 4 – Classified Positions, Article 5 – Working Hours, Employee Benefits, Article 20 – Employer-Employee Relations, as well as Article 21 – Safety Provisions and Practices.

Recommendation

Staff recommends that the Board adopt the Ordinance updating the District's Administrative and Ethics Code.

Alternative(s)

The Board could choose not to adopt the Ordinance and direct staff to make further revisions.

Background

At its April 19, 2023 meeting, the Board voted to enter the liability and property joint protection programs offered by the Association of California Water Agencies Joint Powers Insurance Authority (ACWA JPIA) beginning in Fiscal Year 2023/2024. As part of the risk assessment to be considered for entrance into the ACWA JPIA insurance program, various District procedures and documents, including the Employee Handbook, were reviewed. In late April, the District received recommendations from ACWA JPIA regarding changes to human resources procedures and the Employee Handbook. ACWA JPIA recommended staff address the items within the first 90 days of membership (following July 1, 2023). The District General Manager and Human Resources Manager reviewed ACWA JPIA's recommendations in detail and did not agree with all of the suggested changes. For example, ACWA JPIA recommended pre-employment drug testing for only safety sensitive positions rather than the current procedure of drug testing all new hires.

When clarification was requested from ACWA JPIA regarding implementing these changes, ACWA JPIA staff indicated that there are circumstances that sometimes prevent members from adopting their recommendations (e.g., general counsel difference of opinion, conflicts with existing bargaining unit Memorandum of Understanding agreements, etc.). In those circumstances, members must inform the ACWA JPIA of any concerns with adopting their recommendations. Staff then sent the ACWA JPIA recommendations along with back-up documentation including the Employee Handbook, relevant Administrative and Ethics Code sections, and corresponding policies to District counsel at Nossaman for their review and legal opinion.

Fiscal Impact

There is no direct fiscal impact.

Discussion

The suggestions received from ACWA JPIA and Nossaman have been attached as a table for reference. The items recommended by Nossaman for inclusion have been updated in the attached Administrative and Ethics Code sections. Nossaman provided policy language and verified that these items were not negotiable (as staff did not want to include items that required bargaining with the employee associations).

Most of the policy updates reflected in the Administrative Code revisions are associated with employee leaves. Some of these items reflect current District practices that did not have a formal written policy in place such as the Open Door Policy, Voting Time Off, Employment of Relatives, and Lactation Accommodation; while others are additions to comply with California labor code including Crime or Abuse Victim's Leave, School Activity and Appearance Leave, as well as Organ and Bone Marrow Donor Leave. Some additions simply provide procedural clarification, for example, that cannabis is still considered an illegal substance under District policy and that duty staff are on controlled standby and thus receive duty compensation. If approved by the Board, these changes will also be updated in the corresponding sections of the Employee Handbook which will then be sent to ACWA JPIA to comply with their 90 day timeline.

Staff will be available to answer any questions.

Attachment:

*Employee Handbook Comments from ACWA JPIA and Nossaman
Ordinance*

Page/Section	JPIA Comment	OMWD - Client Response/Questions	Nossaman Response/Comments
8 Pre-Employment Health Exam	Now that marijuana is legal in California, if an applicant tests positive you may need to consider reasonable accommodation before denial of employment. Also, drug tests should only be given to safety sensitive positions.	We currently drug test all employees and consider all employees to be safety sensitive as they need to be able to respond in emergency situations. Can we continue to consider all safety sensitive and drug test all or does this need to be limited to certain positions?	<p>California permits “suspicion-less,” <u>pre-employment</u> drug tests as a condition of employment, regardless of whether the testing is for an employee in a safety sensitive position. We understand the Pre-Employment Health Exam policy to address such pre-employment drug testing.</p> <p>Pre-employment drug testing is becoming more complicated in view of AB-2188, which will take effect Jan. 2024. At that time, the CA Fair Employment & Housing Act (“FEHA”) will protect job applicants and employees from discrimination based on their use of cannabis <i>off</i> the job, meaning that the District cannot refuse to hire, terminate, or otherwise discriminate against an applicant/employee only because his/her drug test reveals “non-psychoactive” traces of THC, which would be reflective of cannabis use off the job and away from the workplace.</p> <p>Whether a position is appropriately designated as “safety sensitive” comes in to play if the District requires suspicion-less/random drug testing of employees who have</p>

			<p>already been hired. Such random testing should only be required of employees in safety-sensitive positions. The standard for “safety-sensitive” is difficult to meet. There should be a direct nexus between the employee’s job duties and an employer’s asserted safety interest.</p> <p>To the extent the District conducts random drug testing of employees, it should conduct an assessment to ensure there is in fact a strong argument that all of the positions are safety sensitive and that, if allowed to work under the influence, employees occupying the positions would pose an <i>imminent</i> safety/health threat.</p> <p>The handbook does not, however, reflect that the District conducts any such random drug testing of employees.</p>
9 OMWD Portal	Recommend policies be explained in the handbook. Guidelines and procedures can be explained in more detail in a separate document.	Our Portal is our internal intranet where we have extensive documents provided in one place for employees to access such as all policies and procedures, safety manual, the MOU, admin code, benefits info, forms, etc. There is over 500+ pages of information. Can this continue to be maintained as separate	The District can continue to maintain the policies/procedures identified here separately.

		policies? I don't see explaining the policies instead of just referring to them directly.	
10 Employee Availability	States all employees are on call 24 hours a day. Is that accurate? Recommend only if the position or situation warrants it.	We consider all employees emergency responders able to report if needed during emergency situations. Should we change the language to "available" instead of "on call"?	<p>This policy potentially triggers a requirement to provide standby pay depending on the District's level of control over employees while they are on call.</p> <p>“Uncontrolled standby” generally does not require payment.</p> <p>The DLSE provides that an employee who has the choice of being available or not available in response to a request by the employer to return to work for an emergency may be on uncontrolled standby if the employee is completely unrestricted to use his or her time for his/her own purposes. Such “free” standby time is not under the control of the employer and, thus, need not be paid.</p> <p>On the other hand, employees should be paid whenever they are on “controlled standby,” meaning, for example, the employees are required to stay close to the worksite so that they can report to work within a certain amount of time, if/when they are called to do so. In these circumstances, the employees cannot use the time for their own</p>

			<p>purposes, making it compensable.</p> <p>Factors to be considered in determining whether an employee is on controlled standby, and may thus be entitled to pay, include:</p> <ol style="list-style-type: none">1. Whether there are excessive geographic restrictions on the employee's movements,2. Whether the frequency of calls is unduly restrictive,3. Whether a fixed time limit for response is unduly restrictive,4. Whether the on-call employee can easily trade his or her on-call responsibilities with another employee, and5. Whether and to what extent the employee engages in personal activities during on-call periods. <p>(See DLSE Opinion Letter, 1998.12.28)</p> <p>It appears that District employees are on controlled standby time. Article 5 of the admin code has a provision stating:</p> <p>STAY AVAILABLE/RESPONSE TIME -Employees must be able to perform their essential job functions if and when called. Employees should refrain from activities or</p>
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			<p>personal constraints which would effectively prevent the employee from responding to a call within one hour or to adequately and safely perform their job duties if called out. Employees should not engage in activities that hinder their ability to respond to duty calls immediately in a responsible manner within a one (1) hour response time, as generally defined within the radius map negotiated in the previous MOU. Force majeure, including acts of god, illnesses, and unusual traffic, would be exceptions for exceeding the 1 hour response time.</p> <p>Are employees compensated for this time? If yes, then the risk has been addressed. If not, you may want to change so only the really emergency standby positions/individuals are “on call” and that other employees are to be “available,” but without the restrictions that would require “standby” pay. Another alternative, rather than the Section being labeled “Employee Availability” is to label it more accurately as “Emergency Operations” and modify slightly.</p>
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Olivenhain Municipal Water District Employee Handbook Comments

			Depending upon the Districts answers and thoughts, we can advise or revise accordingly.
12+ Stay Sober	Anywhere you mention alcohol, illegal substances, etc, include marijuana		Added (see pgs. 12 & 25).
30 Discrimination	Due to AB 2960, we recommend keeping all applications, personnel files, employment referrals, etc, indefinitely.	This is in direct conflict with our Board approved Records retention Schedule, employee files are termination plus 7 years and applications are 6 years retention.	The Board approved records retention schedule complies with California law, which requires employers to retain personnel records for applicants and employees for a minimum of four years.
41 Bereavement Leave	Effective 1/1/23, bereavement leave is now protected under CFRA and requires employers to provide 5 days of unpaid leave.	We currently provide up to 4 paid days of bereavement leave upon request and approval of the General Manager. This was previously negotiated and stated in the admin code. Beyond 4 paid days employees can request additional time using their banked leave. Does that supersede the new law? Should we add that they can request additional time off beyond 4 days using their leave?	As a public employer, the District is only required to provide three days of paid leave, not five, but employees can take an additional two days of <i>unpaid</i> leave. Section 19859.3 of the Government Code provides: (a) Any permanent employee who is either excluded from the definition of state employee in subdivision (c) of Section 3513, or is a nonelected officer or employee of the executive branch of government who is not a member of the civil service, shall be granted bereavement leave with pay for the death of a person related by blood, adoption, or marriage, or any person residing in the immediate household of the employee at the time of death. The

			<p>employee shall give advance notice to the employee's immediate supervisor and shall provide substantiation to support the request.</p> <p>(b) For any one occurrence, the bereavement leave shall not exceed three days with pay. However, a request for two additional days of bereavement leave shall be granted, at the option of the employee, as either without pay or as a charge against any accrued sick leave credit.</p> <p>(c) If additional bereavement leave is necessary, the employee may use accrued vacation, compensating time off, or take an authorized leave without pay, subject to the approval of the appointing power.</p> <p>Accordingly, the District's negotiated policy is fine and does not need to be revised.</p>
42 Family Medical Leaves (FMLA)	<p>CFRA was amended expanding the definition of family member. Family member is defined as spouse, child (no age limit), parent, grandparent, grandchild, sibling, parent-in-law, domestic partner, or designated person. A designated person is defined as any</p>		<p>Modified policy to reflect changes to CFRA (see pg. 42).</p>

Olivenhain Municipal Water District Employee Handbook Comments

	individual related by blood or who's association is equivalent of a family relationship, limited to one per 12 month period.		
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JPIA – Recommended policies	Client Comments	Nossaman Comments/Recommended Policies
Open door policy	Informal practice not written policy	<p>This is not required. However, if you wish to add, see sample language below.</p> <p>Open Door Policy</p> <p>The District has an open-door policy and encourages employees to come forward with their questions, suggestions, concerns, and observations.</p> <p>The District encourages you to speak with your supervisor first. If, for any reason, you feel you cannot discuss the issue with your supervisor, or if the situation is not resolved satisfactorily, you may present the problem to [HR/management/identify appropriate person/department].</p>
Employing relatives	No formal policy – we have staff that are related even married (practice can't supervise one another)	<p>We recommend this policy be added to the handbook. Please see proposed language below.</p> <p>Employment of Relatives</p>

		<p>The District seeks to create a work environment that avoids even the appearance of favoritism, conflicts of interest, or management disruptions.</p> <p>The District recognizes the employment of relatives can cause various problems including, but not limited to, charges of favoritism and conflicts of interest.</p> <p>The District allows existing family working relationships to be maintained, and may employ individuals with family relationships to current District employees, provided that:</p> <ul style="list-style-type: none">• Relatives do not have a supervisor/subordinate relationship with one another;• The relationship does not create an adverse impact on work productivity or performance; and• The relationship does not create an actual or perceived conflict of interest. <p>Should relationships be identified with either applicants or current employees, the matter should be reported to [insert] immediately. The District will make a determination as to whether the relationship is subject to this policy, and appropriate action will be taken, which may include not hiring a candidate, transferring</p>
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		<p>an existing employee, or terminating the employment of one or both employees with family relationships.</p> <p>For the purposes of this policy, relatives include, but are not limited to, relationships established by blood, marriage, or legal action—e.g., spouse, domestic partners, parents, children, siblings, grandchildren, in-laws, stepparents or other stepfamily members, aunts, uncles, nieces, nephews, cousins.</p>
Time off to vote	Included on posted labor poster	<p>We recommend this policy also be added to the handbook. Please see proposed language below.</p> <p>Voting Time Off</p> <p>Employees who do not have sufficient time outside of their working hours to vote in a state or federal election will be granted a reasonable amount of time for that purpose at either the beginning or end of their shift, whichever provides the least disruption to the normal work schedule, provided that the employee submits a request to their supervisor at least two (2) working days before election day.</p> <p>Up to two (2) hours of paid time off will be provided to employees at the beginning or end of their shift.</p> <p>Supervisors may request that the employee provide a valid voter's registration card and</p>

		voter's receipt as a condition of approval for paid time off.
Crime or abuse victims leave	No current policy – should we include?	<p>While not technically required, it's a good idea to include this and the subsequent four policies (i.e., school activity leave, school appearance leave, volunteer civil service training, organ and bone marrow donor leave) in the handbook to reflect the District's awareness of (and compliance with) these laws.</p> <p>We have provided the proposed language for these policies, which you can insert into the handbook, should you choose to include them.</p> <p>Crime or Abuse Victim's Leave</p> <p>In compliance with applicable laws, an employee who is a victim of crime or abuse (including domestic violence, sexual assault, stalking, or a crime that caused physical injury or, in certain cases, mental injury or that resulted in the death of an immediate family member) will be granted time off work to seek protection to provide for their own or their child's health, safety, or welfare. This includes, but is not limited to, time off for medical treatment; psychological counseling; safety planning, including temporary or permanent relocation; legal proceedings; or to obtain a restraining order.</p>

		<p>A leave of absence taken under this policy may run concurrently with leave entitlement under the FMLA and the CFRA if the employee is eligible for such FMLA/CFRA leave.</p> <p>An employee who needs a leave of absence under this policy must notify his or her supervisor of the need for a specific leave and submit a leave request. Additionally, supporting leave documentation or certification must be submitted to the District within the timeframe provided.</p> <p>This certification may be any of the following:</p> <ul style="list-style-type: none">• A police report indicating that the associate was a victim of crime or abuse.• A court order protecting or separating the associate from the perpetrator of the act of crime or abuse.• Other evidence from the court or prosecuting attorney that the employee has appeared in court.• Documentation from a medical professional, domestic violence advocate or advocate for victims of sexual assault, health care provider or counselor that the employee was undergoing treatment for physical or mental
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		<p>injuries or abuse due to the crime or abuse.</p> <ul style="list-style-type: none"> Any other form of documentation that reasonably verifies that the crime or abuse occurred, including but not limited to, a written statement signed by the employee, or an individual acting on the employee's behalf, certifying that the absence is for a purpose authorized under this policy. <p>Records regarding the employee's leave under this policy will be kept strictly confidential and will be shared only on a need-to-know basis.</p> <p>In an emergency situation where advance notice of absence is not possible, employees should provide supporting documentation as soon as reasonably practicable to support the need for leave.</p> <p>Employees have the option to use accrued California Sick pay and are required to use any accrued paid time off before taking unpaid leave.</p>
School activity leave	No current policy – should we include?	<p>School Activity Leave</p> <p>An employee who is the parent, step-parent, foster parent, guardian, or grandparent of, or who stands in loco parentis to, a child enrolled in kindergarten or grades 1 to 12, or attending a licensed</p>

		<p>childcare provider, is entitled to take up to one day per month, not to exceed 40 hours each year, to 1) find, enroll, or reenroll the child in a school or with a licensed child care provider, 2) participate in the child's school, or a licensed child care provider's activities, or 3) address a child care provider or school emergency.</p> <p>The employee must provide reasonable advance notice to the employee's supervisor of the planned absence. An employee may use existing vacation leave for this time; otherwise the absence shall be a leave without pay. An employee's supervisor may require the employee to provide documentation from the school or licensed child care provider verifying the date and time of the visit for participation in such activity.</p>
School appearance leave	No current policy – should we include?	<p>School Appearance Leave</p> <p>If an employee is the parent or guardian of a child who has been suspended from school and that employee receives a notice from the child's school requesting that the employee spend part of a school day in the child's classroom, the employee may take unpaid time off to appear at the school. The employee must, prior to the planned absence, give reasonable notice to their supervisor.</p>
Organ and bone marrow donor leave	No current policy – should we include?	<p>Organ & Bone Marrow Donor Leave</p>

		<p>Donor leave is available to employees undergoing an organ or bone marrow donation procedure or related treatment. An employee requesting donation leave shall notify the District at least 30 days before leave is to begin. If the employee cannot provide 30 days' notice, the employee should inform the District as soon as is practicable.</p> <p>Employees must provide written verification supporting the need for donation leave. The verification must state that the employee is a bone marrow or organ donor and that the donation is medically necessary.</p> <p>Organ donation. The District will grant a paid leave of absence of up to 30 business days to an employee who donates an organ to another person, and an additional 30 business days of unpaid leave in any one-year period. (Cal. Lab. Code § 1510.) The leave may be taken intermittently or continuously during the one-year period after the leave begins. An employee who requests leave for organ donation will be required to use accrued sick and/or paid time off hours for the first two weeks of leave prior to receiving the 30 days of District-paid leave.</p> <p>Bone marrow donation. The District will grant five (5) days</p>
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		<p>of paid leave to an employee who donates their bone marrow to another person. The leave may be taken intermittently or continuously during the one-year period after the leave begins. An employee who requests leave for bone marrow donation will be required to use available accrued sick and/or paid time off hours for the first week of leave prior to receiving the five (5) days of District-paid leave</p> <p>Employees who take donor leave will not be retaliated or otherwise discriminated against for doing so. The District will continue the employee's health and welfare benefits under the same terms and conditions, as long as the employee continues to pay their portion of the premium contribution during the leave of absence. Employees will be restored to the position held when the donor leave started or to a position with equivalent status, benefits, and pay. The District may decline to restore an employee because of conditions unrelated to the employee's qualified use of donor leave.</p>
Lactation accommodation and space	No policy – but separate lactation room is available	California Labor Code section 1034 requires employers to develop and maintain a written policy regarding lactation accommodation that includes:

		<p>(1) A statement about an employee's right to request lactation accommodation.</p> <p>(2) The process by which the employee makes the request described in paragraph (1).</p> <p>(3) An employer's obligation to respond to the request described in paragraph (1) as outlined in subdivision (d).</p> <p>(4) A statement about an employee's right to file a complaint with the Labor Commissioner for any violation of a right under this chapter.</p> <p>Please see proposed language below for Lactation Accommodation Policy.</p> <p>Lactation Accommodation Policy</p> <p>The District provides accommodations to lactating employees who need to express breast milk during work hours in accordance with applicable law.</p> <p>Specifically, the District will make available a room or other location (that is not a bathroom) for employees to express breast milk in private. The District will ensure that the lactation location:</p> <ul style="list-style-type: none">• is in close proximity to the employee's work area, shielded from view, and free from intrusion while the employee is expressing milk;
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		<ul style="list-style-type: none">• is safe, clean, and free of hazardous materials;• contains a surface to place a breast pump and personal items;• contains a place to sit; and• has access to electricity or alternative devices, including, but not limited to, extension cords or charging stations, needed to operate an electric or battery-powered breast pump. <p>In addition, the District will provide access to a sink with running water and a refrigerator suitable for storing milk (or other cooling device suitable for storing milk) in close proximity to the employee's workspace. In the event that more than one employee needs to use the lactation location to express breast milk, the District will discuss alternative options with the employees to determine what arrangement addresses their needs, such as finding an alternative space or creating a schedule for use.</p> <p>The District provides a reasonable amount of break time for an employee to express breast milk each time the employee requires it. If possible, the break time should run concurrently with any break time already provided to the employee. Break time for a nonexempt employee that does</p>
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		<p>not run concurrently with rest time already authorized for the employee is unpaid.</p> <p>Employees who are nursing have a right to request a lactation accommodation and may make such requests verbally or in writing, to [identify appropriate person/department].</p> <p>The District will respond to such requests in a reasonably prompt manner, not exceeding five (5) business days. If the District cannot provide break time, location, or other reasonable accommodations in accordance with this policy, it will inform the requesting employee in writing.</p> <p>The District prohibits any form of retaliation or discrimination against an employee for exercising or attempting to exercise any rights provided under this policy. Any such conduct or other violations of the above policies should be reported to [identify appropriate person/department]</p> <p>Employees also have the right to file a complaint with the California Labor Commissioner for violation of a lactation accommodation right described in the policy above.</p>
Request for reasonable accommodation	Noted in admin code sec 5.46 separate return to work documentation	Section 5.46 of the admin code addresses workers' compensation leaves.

		<p>We recommend adding a reasonable accommodation policy to the handbook, one which addresses the District's obligation to provide reasonable accommodation outside of those provided in connection with a work-related injury. See proposed language (which can be inserted after the District's EEO policy on pg.7) below.</p> <p>Reasonable Accommodation</p> <p>Consistent with the District's commitment to providing equal employment opportunities for all applicants and employees, the District will provide reasonable accommodation for qualified individuals with mental and/or physical disabilities, in accordance with all applicable laws, provided the accommodation does not cause an undue hardship on business operations or pose a direct threat to the health or safety of participants or other employees.</p> <p>The District also provides reasonable accommodation for individuals whose needs regarding religious observances or practices are made known, provided the accommodation does not cause undue hardship on business operations.</p> <p>The District also provides reasonable accommodation for employees affected by</p>
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		<p>pregnancy, as medically advisable.</p> <p>Upon being notified of an employee's need for a reasonable accommodation, the District will engage, in good faith, in a timely and interactive process with the employee to determine an effective reasonable accommodation.</p> <p>The District prohibits discrimination, discharge, retaliation, or any other unlawful acts against an individual because such person requests or receives an accommodation under this (or another applicable) policy, or because such individual engaged in any other conduct protected by law.</p>
Other employment	Only for while on leave admin code 5.35	<p>It is best practice to have such a policy in the Employee Handbook. So, we recommend that the District include a similar policy (to that in admin code 5.35) that applies to all employees, not just those on leave. See proposed language below.</p> <p>Employees are expected to devote their energies to their job with the District. The following types of additional employment elsewhere are strictly prohibited:</p> <ul style="list-style-type: none"> • Additional employment that conflicts with an employee's work schedule, duties, and

		<p>responsibilities at the District;</p> <ul style="list-style-type: none">• Additional employment that creates a conflict of interest or is incompatible with the employee's position with the District;• Additional employment that impairs or has a detrimental effect on the employee's work performance with the District; and/or• Additional employment that requires the employee to conduct work or related activities for that other employment on the District's property, during the employee's working hours, or using the District's resources, facilities, and/or equipment for the benefit of that other employment. <p>Employees wishing to engage in part-time employment or self-employment while working for the District must have such employment approved in advance by the General Manager.</p>
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ORDINANCE NO. 5xx

AN ORDINANCE OF THE BOARD OF DIRECTORS OF
OLIVENHAIN MUNICIPAL WATER DISTRICT
AMENDING THE DISTRICT'S ADMINISTRATIVE AND ETHICS CODE
(Article 4 – Classified Positions, Article 5 – Working Hours, Employee Benefits,
Article 20 – Employer-Employee Relations, and Article 21 Safety Provisions and
Practices)

BE IT ORDAINED by the Board of Directors of the Olivenhain Municipal Water District as follows:

SECTION 1: Article 4, Classified Positions, Section 4.1 of the District's Administrative and Ethics Code is hereby amended to read as follows:

Sec. 4.1. General. The General Manager, subject to the approval of the Board of Directors, in the annual budget, is hereby authorized to determine the salaries of individual employees of the District within the limits so established, as the General Manager may in his/her discretion determine such employee's merit. In determining the compensation of employees, the General Manager may also determine the benefits of all employees, individually or as a collective whole, including contributions to deferred compensation plans and auto allowances, subject to the approval of the Board of Directors in the annual budget and any required meet-and-confer process under the law.

All positions, with the exception of part-time classifications, shall be considered full-time positions and may be either temporary or regular. All full-time employees shall be expected to work the regularly scheduled hours in each workweek.

All prospective employees are required to complete a medical evaluation form, pre-employment drug testing, and a medical examination after an initial offer of employment. Applicants who fail to complete the medical evaluation, pre-employment drug testing, and the physical exam will not be considered for employment. Prior to being employed and after an initial employment offer, a medical history and physical questionnaire form shall be filled out. This shall be followed by a physical examination and pre-employment drug testing, the cost to be paid by the District. If the results of the medical examination or drug testing would disqualify an individual from performing the essential functions of the classification applied for, the employee shall be given an opportunity to submit an independent medical opinion for consideration. If the two medical opinions conflict, the District has the right to obtain a third medical opinion to assist in evaluating the employee's condition.

The results of all medical examinations received in accordance with this section shall be kept on separate forms and treated as confidential medical records to the extent required by applicable law.

Once hired, random drug testing only applies to employees who possess a Class A or Class B Commercial driver's license and are approved by the General Manager to participate in the District's Commercial Driver License program, and are performing safety-sensitive functions for the District.

SECTION 2: Article 5, Working Hours and Employee Benefits, Sections 5.3 through 5.35 of the District's Administrative and Ethics Code is hereby amended to read as follows:

Sec. 5.3. Overtime. All employees of the District shall be on ~~call~~uncontrolled standby twenty-four (24) hours a day during the course of their employment and, upon instructions of the General Manager, shall work during any emergency affecting operations of the District as determined by District management. The determination as to what constitutes an emergency or other circumstance requiring an employee to work after normal hours shall be determined solely by the General Manager or his/her designee. All employees are expected to comply with all General Manager or designee decisions on working hours.

All employees are required to maintain and provide a working telephone number where they may be reached in the event of an emergency. This telephone number shall be listed in the District's personnel files and must be kept up to date. Some positions are required to be on controlled Standby Duty and receive compensation for their duty assignments (see the Standby Duty section for further information).

Overtime shall be defined as work performed before or after the regularly scheduled work day or work week. When an employee must work on the 7th consecutive day of his/her regularly scheduled work week or holidays as specified in §5.29 of the Admin Code, such hours shall be paid at double time in addition to any other pay. 30 minutes minimum must be worked on each of the preceding days to trigger the double time on the 7th consecutive day. Sick, vacation, and holidays, are considered working hours for purposes of calculating overtime and double time. Duty compensation rules are separate as outlined in the current MOU. When an employee works more than 12 hours in a day, those hours worked in addition to the 12 hours shall be paid at the rate of double of an employee's pay per California State Law.

Per the Federal Labor Standards Act, overtime compensation will be paid on the regular pay day for the period in which such workweek ends. However, when the correct amount of overtime compensation cannot be determined until sometime after the regular pay period, any excess overtime compensation will be paid as soon after the regular pay period as is practicable. Only non-exempt employees are entitled to overtime pay.

Shift Differential Hourly Compensation. District employees will be eligible for shift differential hourly compensation of .75 cents per hour in addition to their regular hourly pay rate when the regular work shift is moved to before or after the normal working hours.

1. Standby Duty. Duty rules apply to those positions designated to be on a Standby Duty assignment including; Primary Standby Duty, Secondary Standby Duty, Water Watch, Wastewater, Water Treatment, and Technicians.

All non-exempt positions in the following Operations and Customer Services (CS) department divisions: Construction, Systems Operations, Systems Maintenance, IT (Instrument Control Technicians only), Waste Water, Water Treatment, and CS-Meters Field Services Technicians require the ability to take duty working after hours, evenings, weekends and holidays. Each division creates a multiple week duty schedule in advance of the duty assignment. A duty roster is then created and maintained by the Construction Operations Supervisor. Duty meetings are held once a week, and at that meeting, a duty agenda is distributed including who is on call for that week. Duty is normally performed for seven straight days (Wednesday to Wednesday) except for Water Treatment Duty. If a duty assignment switch is needed, (after the duty list is finalized) it must be approved by the employee's direct supervisor. The requirement to work duty on a District observed holiday and flex Friday off will be rotated as equally as possible amongst all duty employees throughout the year. All qualified non-exempt staff in the six Operations divisions are required to work duty as all employees need to equally share duty responsibilities. Those on duty are required to wear District uniforms when working with the public.

Primary (#1 and #2) duty responsibilities are rotated every other day. Those on a primary duty rotation are required to check-in with customer service staff before they go home, to call in to After-Hours Dispatch to start their scheduled rotation day of duty, and to lock-up and secure Building J facilities at the end of each shift change. In the event a Primary or Secondary duty person gets a page or call from District staff or After-Hours Dispatch, they must acknowledge the page/call immediately. For Water Watch, Waste Water, and Water Treatment an "Alarm Response" is if a duty person gets a page and must acknowledge the alarm via telephone or must login via laptop computer immediately after the call or when the alarm is received.

Duty staff (Primary, Secondary and Technicians) will receive 1.5 times the hourly rate of pay OR a minimum stipend of \$25.00) per day of duty, if the hourly rate is less than the minimum stipend. Double time will be paid on the 7th consecutive day. Other duty compensation will be paid according to the Duty Compensation Chart attachment to the current MOU. All overtime and double time for duty pay is subject to supervisor verification. A further explanation of duty rules and procedures can be found in the employee handbook.

STAY AVAILABLE/RESPONSE TIME - Employees must be able to perform their essential job functions if and when called. Employees should refrain from activities or personal constraints which would effectively prevent the employee from responding to a call within one hour or to adequately and safely perform their job duties if called out.

Employees should not engage in activities that hinder their ability to respond to duty calls immediately in a responsible manner within a one (1) hour response time, as generally defined within the radius map negotiated in the previous MOU. Force majeure, including acts of god, illnesses, and unusual traffic, would be exceptions for exceeding the 1 hour response time.

STAY SOBER - No use of or possession of any alcohol or controlled or illegal substance while on duty. The District considers cannabis, which remains an illegal substance under federal law, to fall within the meaning of an illegal substance under this policy.

USE OF VEHICLE - Employees are expected to keep the duty vehicle with them in order to respond in a timely manner. De minimus personal use is acceptable such as routine errands and family events, so long as the 1 hour response time is adhered to. Use of the District vehicle for personal financial gain is unacceptable. The duty vehicle shall not be used for any personal business that would be detrimental or unbecoming to the positive reputation and perception of OMWD, such as parking in front of bars, illicit businesses, gun stores or shows, liquor stores, gambling facilities or houses of ill repute.

2. Call Back. Call back is work required of an employee who, following completion of the employee's work day and departure from the employee's work site, is ordered to report back to duty to perform work determined necessary by the General Manager or designee. To qualify for this call back provision, an employee must leave the place from which the employee is called and actually report to a work site and/or the office. An employee who is called back, as defined above, shall receive a minimum of three hours time at the rate of time and one half of an employee's pay.

Overtime work in conjunction with a regular, scheduled workday, either beginning earlier or working past a normal scheduled workday, is not call back work.

3. Compensatory Time. In lieu of pay for overtime worked, compensatory time pay may be accumulated up to a one-time maximum of 160 hours per year. A voluntary cash out will be made available the last pay period in June. The last pay period in December of each year will be a mandatory pay out. Employees may not accumulate Graveyard Overtime or Graveyard Double Time into their Compensatory Time banks. The use of compensation time by employees is subject to the same rules, approvals, and notices as vacation time set forth in §5.31 of the Administrative and Ethics Code.
4. Reimbursement for Meals. Effective January 1, 2022 an employee who is scheduled to work overtime, including emergency call back overtime in excess of a normal work day, shall be reimbursed for the actual cost of his/her meal, not to exceed eighteen dollars (\$18.00), provided such extended work day exceeds two hours of overtime on any single shift.

Such overtime may be performed before or at the end of a work day and need not be limited to one meal per day.

Reimbursements will only be given for actual receipts for meals. The Supervisor will have the ability to extend the time period for a meal reimbursement to a reasonable amount of time after the job concludes for special circumstances and shall follow up with an email to the General Manager the next day. Exceptions to the above requirements may be granted by the General Manager at his/her sole discretion.

Sec. 5.20. Employee Rules. In order that the rights and safety of all employees and efficient operation of the District are protected, employee activities are governed by reasonable rules of conduct. The following acts are illustrative, and not exhaustive, of acts which are grounds for disciplinary action and/or termination of employment with the District for cause. Any of the following, alone or in combination, may result in discipline or termination of employment with the District for cause:

1. Falsification of an employment application or physical examination questionnaire.
2. Membership in any party or organization, political or otherwise, that advocates the overthrow of the government of the United States or the State of California by force or violence or other unlawful means.
3. Planned ~~A~~bsence, or planned early departure from work duty without informing your supervisor.
4. Unplanned absence, or unplanned early departure from work without informing your Supervisor as soon as reasonably practicable.
45. Inefficient or careless performance of job duties.
56. Theft or unauthorized possession of the property of fellow employees, the District, organizations servicing the District, or inhabitants or property owners of the District.
67. Disorderly, immoral or indecent conduct, while ~~on duty at work~~ or criminal conduct on or off ~~duty the job~~.
78. Insubordination.
89. Malicious damage to District property or to property of any other person or entity while performing duties as an OMWD employee, while in OMWD attire or vehicle or representing the District.
910. Any attempt to intimidate, coerce, assault or threaten other employees ~~or any other person or entity while performing duties as an OMWD employee, while in OMWD attire or vehicle, or representing the District.~~

~~40~~11. Distributing any literature, except that which is specifically authorized by the General Manager, including the circulation of petitions, during hours of work.

~~41~~12. Failure to observe any District, State or Federally prescribed safety rules and procedure while performing duties as an OMWD employee, while in District attire, or vehicle, or representing the District.

~~42~~13. Transportation of unauthorized persons or materials in District vehicles.

~~43~~14. Conviction of a felony.

~~44~~15. Possession of, using or being under the influence of alcohol while on duty or while operating District vehicles.

~~45~~16. Possession of, using or being under the influence of a controlled or illegal substance while on duty, or conviction by a Court of Law of any offense involving a controlled substance or any illegal drug. Note, the District considers cannabis, which remains an illegal substance under federal law, to fall within the meaning of an illegal substance under this policy.

~~46~~17. Possession of or the firing of any arms or other dangerous weapons or unauthorized use of explosives on the District property at anytime.

~~47~~18. Failure to follow a lawful direction by a superior.

~~48~~19. Being in an unsafe condition from prior indulgence of alcoholic beverages or any controlled or illegal substances, affecting the ability of the employee to perform any duties in an acceptable manner. Note, the District considers cannabis, which remains an illegal substance under federal law, to fall within the meaning of an illegal substance under this policy.

~~49~~20. Fighting with any fellow employees (being an aggressor or aggravator).

~~20~~21. Entering time on another employee's time card, or requesting another person to enter time on your time card.

~~24~~22. Entering time In and Out at time other than those authorized.

~~22~~23. Disclosing anything of a confidential nature concerning a customer or employee unless the specific work duties require the giving or exchanging of such information.

~~23~~24. Violation of any Federal, State or local laws, while performing duties as a District employee, while in District attire, District vehicle or representing the District.

~~24~~25. Failing to exercise proper custodial responsibility of District property.

~~25~~26. Permitting another person to use keys, access badges and passwords to enter District property without proper authorization.

~~26~~27. Willful or careless disregard of, or inattention to, working directions and instructions.

~~27~~28. Failure to comply with all safety, fire and wastewater regulations of the District or any other Federal, State or Local Agency while performing duties as an OMWD employee, while in OMWD attire or vehicle, or representing the District.

~~28~~29. Absence of two (2) or more consecutive working days without notifying the Supervisor or Manager.

~~29~~30. Absence or tardiness and failure to inform the Supervisor or Manager prior to the time due to report to work by telephone or by other means that you are unable to report for work.

~~30~~31. Failure to notify your supervisors if you leave your job or premises during working hours.

~~31~~32. Smoking in unauthorized areas.

~~32~~33. Participating in or selling tickets or chances on pools or raffles or gambling on District premises, unless specifically authorized by the General Manager.

~~33~~34. Performing any personal work on District time.

~~34~~35. Excessive or unreasonable use of the District business phone for personal matters, other than de minimus use (unreasonable use is defined as duration of usage beyond usual break and lunch periods) unless expressly approved by the Supervisor.

~~35~~36. Taking more than the specified time for meals or rest periods, unless expressly approved by the Supervisor.

~~36~~37. Unauthorized attendance or participating in meetings or gatherings during working hours.

~~37~~38. Discourteous conduct, abusive treatment or inappropriate language directed towards any customer, visitor, guest, employee or other person while performing duties as a District employee, while in District attire, or while in a District vehicle or representing the District.

~~38~~39. Inability or negligence in the performance of any assigned duties.

3940. Altering, falsifying or making a willful misstatement of any facts on any District record or chart, job or work record, employment application or any other District record, chart or report.

4041. Misrepresenting reasons when applying for a leave of absence or for other time off work.

4442. Failure, without justification, to return to work on time from authorized leave of absence or vacation.

4243. Failure to withdraw from, outside activities or to report interests which conflict with, detract from, or adversely affect the interest of the District.

4344. Unkempt or unacceptable personal grooming which would be deemed unprofessional for the individual's specific position.

4445. Sleeping on the job, intentional slowdown of work, intentional disruption of the work force, or loafing during working hours.

4546. Failure to promptly report any illness or work-related injury to yourself or any fellow employee.

4647. Conduct undermining authority or disruptive of District functions or detrimental to successful working relationships among employees.

4748. Conduct prejudicial to the good reputation of the District.

4849. Harassment or discrimination in any form is a serious offense and shall be dealt with accordingly. Any information concerning harassment or discrimination of any kind shall be reported to the Human Resources Manager or other District Staff member immediately.

4950. Conduct causing injury to any person or damaging or destroying their property while performing duties as a District employee, while in District attire, while in a District vehicle or while representing the District.

5051. Engaging in any conduct, which violates any Federal, State or Local laws governing discrimination. Any information concerning discrimination shall be reported to the Human Resources Manager or other District Staff member immediately.

5152. Failure to return to work after exhaustion of any/all Family Medical Leave or California Family Rights pre-approved leaves of absence.

5253. Falsely claiming or attempting to claim any compensation, benefits or disability provided by Federal, State or local laws or any District policies.

5354. Inappropriate personal use of the District's computer network system

(see Section 5.28).

The General Manager has the discretion to determine that unacceptable conduct or behavior not listed above is grounds for disciplinary action or termination.

Disciplinary Actions:

1. OMWD is committed to administering disciplinary action in a fair and reasonable manner. The District does not follow a progressive disciplinary system. This means that an employee may be terminated without following any of the steps described below. Disciplinary actions include, but are not limited to, the following:
 - A. Oral reprimand;
 - B. Written reprimand;
 - C. Suspension from duty with or without pay;
 - D. Reduction of pay;
 - E. Demotion;
 - F. Termination for cause. A person terminated for cause is not entitled to severance pay;
 - G. Termination without cause for any reason not prohibited by law;

The District has the right to choose any of the preceding steps without following the others after a disciplinary event.

2. Supervisors may issue oral or written reprimands. All other forms of disciplinary action are reserved for decision by the General Manager.
3. Disciplinary action normally is based upon, but not limited to, violations of the Employee Rules, Article 5, Section 5.20., of this Administrative Code.
4. Supervisors may resort to counseling and guidance of employees prior to resorting to disciplinary action. However, supervisors are not required to resort to counseling before resorting to disciplinary action, and the District retains the right to discipline and/or terminate employees at any time, for violations of the employment rules without resort to prior counseling or any other steps.
5. Employees may request representation by the Employees' Association Field Representative at meetings with a Supervisor(s) held where the primary purpose is to investigate facts to support disciplinary action. Employees that disagree with the disciplinary reprimand of their supervisor shall bring their disagreement to their immediate supervisor in writing within five working days from the presentation of the disciplinary action. The immediate supervisor shall respond in writing to the employee within five working days from receipt of written disagreement from the employee. If not resolved with his/her immediate supervisor, the employee shall

notify the HR Manager, in writing, within five working days from the date of the written response of the supervisor that the employee desires an appeal meeting.

An appeal meeting shall be held between the affected employee, the employee's designated representative, their supervisor, the supervisor's superior, and the HR Manager. The HR Manager shall document the decision outcome at the appeal meeting. The documentation of the outcome of the meeting shall be provided to the employee within five working days from the appeal meeting.

An employee may appeal the decision outcome of the appeal meeting in writing within five working days to the General Manager for resolution. The decision of the General Manager is final except for appeals to the Board of Directors where an employee is terminated by the District as provided in Section 4.6 (I).

Any failure by the employee to meet the written notification deadlines within this section shall constitute a waiver of their rights to appeal the disciplinary action.

6. Suspension from duty with or without pay, reduction in pay or demotion imposed by written notice to the employee stating the reason(s) are subject to review under procedures for reconsideration by the General Manager. The General Manager's decision on reconsideration is final. No notice need be given for any termination without cause.
7. Disciplinary termination is imposed by written notice to the employee stating the reason(s) and is subject to review under Termination Procedures.

Sec. 5.25. Driver's Licenses. In order to operate a District vehicle, all employees must obtain and maintain a valid State of California Driver's License, which must be confirmed by the General Manager.

The District will bear the cost of physical examinations required for a Class A or Class B Commercial License, when the need for such a license is required for District business. All physicals are subject to the approval of the General Manager.

The District will recognize employees obtaining and holding a Class A, Class B driver's license and/or special endorsement, where the District utilizes the services of those employees to operate District equipment. The District shall compensate each holder of these licenses in accordance with the yearly amount negotiated in the most recent MOU. This amount shall be distributed in the employee's bi-weekly paycheck with the total amount evenly divided over 26 pay periods and will continue in that same calendar year as long as the employee retains a valid California commercial driver's license.

All future employees eligible for this program must receive advanced approval of the General Manager to qualify for this compensation and will only be authorized depending on the need of the District.

Sec. 5.30. revised via Ordinance No. 498 / January 19, 2022

Sec. 5.30. revised via Ordinance No. 473 / January 15, 2020

Sec. 5.30. revised via Ordinance No. 411 / December 11, 2013

Sec. 5.30. revised via Ordinance No. 413 / February 12, 2014

Sec. 5.30. revised via Ordinance No. 409 / July 24, 2013

Sec. 5.30. revised via Ordinance No. 399 / August 8, 2012

Sec. 5.30. revised via Ordinance No. 320 / July 27, 2005

Sec. 5.30. revised via Ordinance No. 315 / January 26, 2005

Sec. 5.31. became 5.30. via Ordinance No. 305 / October 22, 2003

Sec. 5.31. revised via Ordinance No. 295 / July 24, 2002

Sec. 5.30. Floating Holiday Elective Hours Off (Floating Holiday Hours). In addition to the above Holidays, each employee shall be entitled to ~~twenty-six-thirty-~~
~~four~~ floating holiday hours off with pay of his/her choice per 12-month period within the following limitations:

1. Employee must obtain supervisory approval of his/her Floating holiday hours in writing at least 48 hours in advance of time off selected and, if applicable, adhere to the vacation request rules as specified in Administrative Code Sec. 5.31(f).
2. Floating holiday hours off that are not used by the last full pay period of the year that a paycheck is issued in December will be paid out to the employee. These hours will be paid on this pay period's regular pay date via direct deposit. Floating holiday hours off will not be accrued to the next calendar year. The next years' floating holiday hours shall be fully accrued in the following pay period.
3. Employees are not eligible for floating holiday hours off until successful completion of 12 months of employment. Rehires with combined serve time of less than 12 months are not eligible for floating holiday hours off.
4. Part-time employees who work less than 30 hours in a regularly scheduled work week shall earn pro-rated floating holiday hours off with pay of his/her choice per 12-month period, based upon the number of hours an employee is scheduled to work in a regularly scheduled workweek.
5. Full-time employees that work between 30 and 39 hours in a regularly scheduled work week shall earn pro-rated floating holiday hours off with pay of his/her choice per 12 month period, based upon the number of hours an employee is scheduled to work in a regularly scheduled workweek.
6. Floating holiday hours off will be increased to recognize employees with longevity. The following hours are subject to the same conditions as provided above for all elective time off:

5 years of service = 4 additional hours once a year
10 years of service = 8 additional hours once a year
15 years of service = 12 additional hours once a year

Sec. 5.33. Jury Duty and Voting Time Off.

Jury Duty - Employees are eligible for jury duty leave with pay for up to four weeks per calendar year per court when required by any legally constituted court to appear for examination or jury service. No deduction will be made for the value of mileage allowances, meals or lodgings furnished by the court. Jury Duty will be paid in accordance with the actual number of hours served on jury duty, including travel time to/from the courthouse.

The only document accepted as proof of attendance is the Jury Services Attendance Certification form that has been dated and time-stamped "in" and "out" by the courthouse. Hand written or other non-approved forms will not be accepted.

In the absence of proof of attendance, or in instances of jury duty beyond four weeks, an employee may use vacation or compensatory leave. In instances when a trial is scheduled for four weeks or less, when an employee is selected and the trial extends beyond four weeks, the employee may petition the General Manager via their supervisor, in writing, for additional jury duty leave beyond four weeks. The decision to grant additional jury duty leave is at the sole discretion of the General Manager and is final.

Within five (5) days of receiving a Jury Duty notice/summons, employees must provide a copy of the notice that specifies the dates that the employee will be serving as a juror to his/her Supervisor or Manager and Human Resources for retention in his/her personnel file.

Jury Duty is not considered time worked under the workers' compensation policy. Jury Duty is considered time worked for calculating overtime in an employee's day or workweek. The current overtime calculation policy will apply in determining these occurrences.

Employees may lose their alternative work schedule off day(s) while serving on jury duty; however, the employee will be paid for the actual time served on jury duty.

Supervisors and Managers are encouraged to minimize employees having to work seven (7) consecutive days in a workweek due to jury duty by changing employee's days off to correspond with jury duty as long as it does not incur overtime for the employee or other employees in the department. Because of being unable to predict the length of an employee's jury duty and OMWD's 24-hour operations, this may not always be possible.

Voting Time Off - Employees who do not have sufficient time outside of their working hours to vote in a state or federal election will be granted a reasonable amount of time for that purpose at either the beginning or end of their shift, whichever provides the least disruption to the normal work schedule, provided that the employee submits a request to their supervisor at least two (2) working days before election day.

Up to two (2) hours of paid time off will be provided to employees at the beginning or end of their shift.

Supervisors may request that the employee provide a valid voter's registration card and voter's receipt as a condition of approval for paid time off.

Sec. 5.34. revised via Ordinance No. 498 / January 19, 2022

Sec. 5.34. revised via Ordinance No. 320 / July 27, 2005

Sec. 5.34. revised via Ordinance No. 305 / October 22, 2003

Sec. 5.34. Bereavement Leave. At such time as there is a death in an employee's immediate family, the General Manager is authorized to grant up to a maximum of 4 days leave with pay, subject to employee's written request for such compensation. Written request shall contain the following information:

- Name of deceased
- Relationship to employee
- Date(s) of employee's requested leave and return to work

All Bereavement Leaves must have prior approval of the General Manager.

Employee is eligible for Bereavement Leave for abortion or miscarriage.

Immediate family is defined as: spouse, common law spouse, registered domestic partner, child, parent, brother, sister, grandparents, mother-in-law, father-in-law, brother-in-law, sister-in-law, aunt, uncle, or any other family member physically living in the employee's home.

Paid Bereavement leave of up to 4 days, if approved, is not to be charged against an employee's accrued time off. If additional leave is necessary, the employee may request additional unpaid time off. This additional leave may be charged against the employee's accrued time off bank.

Sec. 5.35 revised via Ordinance No. 473 / January 15, 2020

Sec. 5.35. revised via Ordinance No. 463 / February 13, 2019

Sec. 5.35.(H) revised via Ordinance No. 422 / January 14, 2015

Sec. 5.35.(H) revised via Ordinance No. 365 / August 13, 2008

Sec. 5.35. revised via Ordinance No. 320 / July 27, 2005

Sec. 5.35. (5) revised via Ordinance No. 305 / October 22, 2003

Sec. 5.36. ~~became 5.35.~~ via Ordinance No. 305 / October 22, 2003

Sec. 5.36.(A.2) revised via Ordinance No. 302 / Dec. 18, 2002

Sec. 5.36. revised via Ordinance No. 295 / July 24, 2002

Sec. 5.35. Leaves of Absence Without Pay. It is the District's policy to grant leaves of absence without pay to all eligible employees on a non-discriminatory basis. General Manager pre-approval is needed for employees requesting unpaid leaves of absence [excluding Family Medical Leave Act (FMLA) and California Family Rights Act (CFRA),] and are eligible only after the employee has completed 90 days of service and exhausted all accumulated and unused sick leave, vacation leave, paid injury leave or unused compensation time. Exception to this General Manager pre-approval policy may occur if more than one (1) unpaid day is needed due to an unforeseen event. Employees on a pre-approved unpaid leave will be responsible to pay insurance coverage while out on leave (see section 5.35 A4.B)

Leaves of absence without pay pursuant to the FMLA, CFRA, compulsory, and military leaves of absence will be permitted as specified below:

A. Medical Leaves of Absence:

(1) Grounds for Leave. The Family Medical Leave Act of 1993 (FMLA) and California Family Rights Act (CFRA) of 1993 entitle eligible employees that have worked for the District for at least 12 months and at least 1,250 hours in the last 12 months to take up to 12 weeks of unpaid job protected leave each year for the employee's own serious health condition; caring for a family member with a serious health condition; bonding with a newborn or adopted child; and certain military exigencies. For the purposes of FMLA and CFRA leave, "family member" includes the employee's child, parent, and spouse. For the purpose of CFRA leave only, "family member" also includes the employee's registered domestic partner, designated person, grandparent, grandchild, sibling, or parent-in-law.

A "designated person" for purposes of CFRA leave means a person identified by the employee at the time the employee requests family care and medical leave. The District limits employees to one designated person per 12-month period for family care and medical leave.

(2) CFRA exclusively includes up to 12 weeks of unpaid, job protected leave each year for the serious health condition of a registered domestic partner as defined in California Family Code Section 297, and/or birth or adoption of a registered domestic partner's child.

(3) The District has posted such notices as required explaining employee rights and procedures under the FMLA and CFRA. Employees granted this leave will receive reinstatement at the end

of the leave in their current or an equivalent position, subject to all defenses allowed by law.

(4) Pregnant employees that are disabled by pregnancy and pregnancy-related conditions are eligible for California pregnancy disability leave (PDL). A pregnant employee is entitled to up to four months of PDL depending on the period of actual disability. The District has posted such notice as required explaining employee rights. Employees granted this leave will receive reinstatement at the end of the leave in their current or an equivalent position, subject to all defenses allowed by law.

- B. Insurance Coverage. The District will maintain the group health, vision, dental, long term disability (LTD), and life insurance coverage for an employee whenever such insurance was provided before the FMLA/CFRA leave was taken and on the same terms as if the employee had continued to work. i.e employee contributions, if any, must still be paid by the employee. (~~In—Under~~ no circumstances will group health insurance benefits be maintained by the District longer than 12 weeks of approved FMLA/CFRA unpaid leave.) If an employee is on a non-FMLA/CFRA leave (~~unpaid leave of absence~~), the employee must use 60 hours per pay period of accrued leave to maintain District insurance benefits, in addition to any required employee contributions. All leave time, comp time, holiday pay, and overtime count towards hours worked in a pay period. Duty pay does not count towards hours worked. The cost the employee is responsible for is based on an hourly cost of benefits for the number of hours less than 60 in the pay period. The employee will reimburse the District for costs including: health, dental (COBRA and the administrative fee), vision, life, and LTD (both the employee and employer portion).
- C. Requests for Leave and Medical Certification. Employees requesting leave of absence shall submit a written request at least 30 days in advance, when foreseeable, to Human Resources, which will present to the General Manager for review and a decision. The request shall specify the date the leave will commence, the estimated duration of the leave, and the date on which it is expected that the employee will be able to return to work. Medical certification is required supporting the need for leave due to a serious health condition affecting the employee, child, immediate parent, spouse or registered domestic partner as defined in California Family Code Section 297. The employee shall provide the District with a physician's statement during the medical leave of absence updating the District on the status of the incapacity and the probable date of return to work.

An employee shall not directly or indirectly maintain outside business or employment or engage in any other outside business that conflicts, in any manner, with the interest of returning to the District's employment during the leave. In order to maintain the approved leave, an employee wishing to engage in part time

employment or self-employment, while on leave, must have such employment approved in advance by the General Manager. Failure to comply with this notice requirement is grounds for, and may result in denial or deferral of the requested leave until the employee complies with this policy and may be grounds for disciplinary action or termination.

Failure to comply with these noticed periods is grounds for and may result in denial or deferral of the requested leave until the employee complies with the noticed policy.

The District requires certification from the health care provider as to the needs of the child, immediate parent, spouse or in the case of CFRA exclusively, the domestic partner's child, or registered domestic partner as defined in California Family Code Section 297, who has a serious health condition before allowing the employee a leave to care for the family member.

Eligible employees may take leave intermittently or on a reduced leave schedule under certain conditions. Intermittent or reduced leave is available for birth/adoption of a child and must be pre-approved in writing by the General Manager. Intermittent, recurring shorter leaves may be taken when medically necessary for treatments (such as chemotherapy), subject to advanced notification and medical certification for the intermittent or reduced leave.

There are certain exceptions to eligibility for family care leave and the District is legally permitted to deny a request for leave under certain conditions. Taking family care leave may impact certain benefits and seniority as identified in Article 5.

- D. Physician's Statement Prior to Return. An employee who has taken a leave of absence due to his or her own medical condition, will be required to provide a statement from a licensed physician in California who has treated the employee's condition, which confirms the employee's ability to return to work with or without reasonable accommodation(s) stating the employee is capable of performing all of his or her essential job duties without any risk of further injury, illness or death.
- E. Term of Leave. Leave without pay granted pursuant to this section may not exceed 180 consecutive calendar days or 12 weeks for FMLA, CFRA, or 4 months for PDL unless authorized by the Board for a longer period. The District shall use the rolling, 12 month calculation method when calculating leave entitlement. Leave may be terminated at any time by the employee's return to work.
- F. Sick, Vacation, Compensatory Time Use. An employee may use accrued sick, vacation, and compensatory time while on approved medical leave.

- G. Benefits and Service Time. Vacation and sick leave shall not accrue during leaves of absence without pay of 30 days or longer. An employee will not be credited with service during any unpaid, approved leave of absence of 30 days or longer, unless the approved unpaid leave being taken qualifies under the Family Medical Leave Act (FMLA), California Family Rights Act (CFRA) or Pregnancy Disability Leave (PDL). The District shall continue payment of the employee's and employee's dependents group health insurance and group life policy during the approved unpaid medical leave of absence not to exceed 12 weeks.

Payments of health insurance and life insurance shall cease upon termination of the employee. The District will offer continuing health benefits according to COBRA Legislation Public Law 99-272 to employees, widows, ex-spouses, ex-registered domestic partner as defined in California Family Code, Section 297, and other dependents, who would lose coverage as a result of an employee's death, divorce, or termination of employment.

- H. Hardship Credits. An employee may receive leave credits by voluntary donation from fellow employees. To be eligible, the following conditions must apply:
- The Hardship Credits must be approved by the General Manager (or his/her designee).
 - Be on an unpaid leave of absence approved by the General Manager.
 - Have exhausted all sick leave, vacation pay, and floating holidays.
 - Face financial hardship due to a prolonged illness or injury.
 - Face financial hardship due to the prolonged illness or injury of a spouse, child, or registered domestic partner as defined in California Family Code, Section 297.

Employees may donate floating holiday(s), vacation pay, compensatory time, or sick leave in one (1) hour increments. Donated hours may not be taken from the donor employee's payroll records immediately, but will be withdrawn when the recipient's payroll requires hours. The order that donations are received will be used to determine the order that donations will be utilized. All donated time will have the hours converted into dollars at the donor employee's rate of pay. This dollar amount will then be converted into hours using the recipients' hourly rate.

When the employee's need for donated hours stops, per the determination of the General Manager, any donated hours waiting to be utilized will not be used and will be returned to the leave balance of the last donor.

- I. Restoration of Employment and Benefits. When an employee is placed on an approved, unpaid leave of absence, an effort will be made to hold the employee's position open as designated by state

and federal regulations. However, due to business needs, there will be times when positions cannot be held open and it is not possible to guarantee reinstatement to previous position. If an employee's former position is unavailable when the employee is ready to return to work from an approved unpaid leave, every effort will be made to place the employee in a comparable position for which the employee is qualified.

In addition, the District will attempt to reasonably accommodate employees who are released for partial or modified duty according to the Early Return to Work Policy.

An employee who does not accept the position offered will be considered to have voluntarily terminated employment, effective the day such refusal is made.

J. Military Leave.

According to the Uniformed Services Employment and Re-employment Act, (USERRA), the District will offer benefits and job protection for individuals returning to civilian employment after serving in the military. Uniformed services is defined to include Army, Navy, Air Force, Marine Corps, Coast Guard (and the Reserves for each of those branches), Army National Guard, Air National Guard, commissioned corps of the Public Health Service and any other category of persons designated by the President in time of war or emergency.

Employees qualifying for military leave in accordance with the Uniformed Services Employment and Re-Employment Rights Act (USERRA) shall be restored to their former position when the employee returns from the military leave of absence. If the position has been abolished or terminated during the employee's absence, the employee will be reinstated to a position of similar seniority, status and pay if such position exists, or if no such position exists, the employee shall have the same rights and privileges that the employee would have had if s/he occupied the position when it ceased to exist and had not taken a military leave of absence.

According to AB392, an employee is eligible for leave under this statute if s/he is the spouse of a "qualified member" of the military (defined below) and works an average of 20 or more hours per week.

The employee's spouse must be a "qualified member" of the military, which means either:

1. a member of the Armed Forces of the United States who has been deployed during a period of military conflict to an area designated as a combat theater or combat zone by the President of the United States; or

2. a member of the National Guard or reserves who has been deployed anywhere during a military conflict.

A “period of military conflict” means either a period of war declared by the US Congress, or a period of deployment for which a member of a reserve component of the military is ordered to active duty.

In addition, although this statute only expressly applies to spouses, because the California Family Code provides that registered domestic partners are entitled to the same rights and privileges under state law as spouses, this law applies equally to registered domestic partners.

Employees may only take leave under the law when their spouse is on leave from military deployment. More specifically, employees are entitled to take leave when either an enlisted military spouse is on leave from a combat zone or a Reserve or National Guard spouse is on leave from an assignment anywhere after being activated during a military conflict.

Employees shall notify the District of their intention to take leave under this statute within two (2) business days of receiving official notice that the employee’s spouse will be on leave from military deployment. The District and statute requires the employee to provide written documentation certifying the spouse’s temporary leave from active duty during the time the leave is requested.

The statute provides that military spousal leave cannot affect, or prevent an employee from taking leave that the employee is otherwise entitled to take. Thus the employee isn’t required to use accrued vacation time or paid time off while on military spousal leave. In addition, employees are not forced to take military spousal leave concurrently with any other available statutory leave. There shall be no retaliation or adverse employment action against employees who request and/or take military spousal leave.

K. Compulsory Leave.

If in the opinion of the General Manager an employee is unable to perform the regular duties of their position or performance of those duties would create an immediate danger to the health or safety of the employee or others, the General Manager may require the employee to submit to an examination by a licensed physician designated by the General Manager. All costs of the medical examination shall be borne by the District and a copy of the medical examination shall be provided to the employee. If the report of the physician shows that the employee is unable to perform the duty described in their job description or performance of those duties would create an immediate danger to the health or safety of the employee or others, the General Manager may, subject to the approval of the Board of Directors, compel said employee to take sufficient leave of absence to correct the problem. Prior to taking final action, the General Manager shall

provide the employee with an opportunity to submit an independent medical examination for consideration. The results of all medical examinations conducted in accordance with this section shall be treated as confidential to the extent required by applicable law.

L. Miscellaneous Leaves

Various other leaves as mandated by law will be granted in accordance with State and Federal law. The Human Resources Department maintains leave details for employees. The leaves of absence without pay include:

Crime or Abuse Victim's Leave - In compliance with applicable laws, an employee who is a victim of crime or abuse (including domestic violence, sexual assault, stalking, or a crime that caused physical injury or, in certain cases, mental injury or that resulted in the death of an immediate family member) will be granted time off work to seek protection to provide for their own or their child's health, safety, or welfare. This includes, but is not limited to, time off for medical treatment; psychological counseling; safety planning, including temporary or permanent relocation; legal proceedings; or to obtain a restraining order.

A leave of absence taken under this policy may run concurrently with leave entitlement under the FMLA and the CFRA if the employee is eligible for such FMLA/CFRA leave.

An employee who needs a leave of absence under this policy must notify his or her supervisor of the need for a specific leave and submit a leave request. Additionally, supporting leave documentation or certification must be submitted to the District within the timeframe provided.

This certification may be any of the following:

- 1) A police report indicating that the associate was a victim of crime or abuse.
- 2) A court order protecting or separating the associate from the perpetrator of the act of crime or abuse.
- 3) Other evidence from the court or prosecuting attorney that the employee has appeared in court.
- 4) Documentation from a medical professional, domestic violence advocate or advocate for victims of sexual assault, health care provider or counselor that the employee was undergoing treatment for physical or mental injuries or abuse due to the crime or abuse.
- 5) Any other form of documentation that reasonably verifies that the crime or abuse occurred, including but not limited to, a written statement signed by the employee, or an individual acting on the employee's behalf, certifying that the absence is for a purpose authorized under this policy.

Records regarding the employee's leave under this policy will be kept strictly confidential and will be shared only on a need-to-know basis.

In an emergency situation where advance notice of absence is not possible, employees should provide supporting documentation as soon as reasonably practicable to support the need for leave. Employees have the option to use accrued sick or other leave and are required to use any accrued time off before taking unpaid leave.

School Activity Leave - An employee who is the parent, step-parent, foster parent, guardian, or grandparent of, or who stands in loco parentis to, a child enrolled in kindergarten or grades 1 to 12, or attending a licensed childcare provider, is entitled to take up to one day per month, not to exceed 40 hours each year, to 1) find, enroll, or reenroll the child in a school or with a licensed child care provider, 2) participate in the child's school, or a licensed child care provider's activities, or 3) address a child care provider or school emergency.

The employee must provide reasonable advance notice to the employee's supervisor of the planned absence. An employee may use existing vacation or other leave for this time; otherwise the absence shall be a leave without pay. An employee's supervisor may require the employee to provide documentation from the school or licensed child care provider verifying the date and time of the visit for participation in such activity.

School Appearance Leave - If an employee is the parent or guardian of a child who has been suspended from school and that employee receives a notice from the child's school requesting that the employee spend part of a school day in the child's classroom, the employee may take unpaid time off to appear at the school. The employee must, prior to the planned absence, give reasonable notice to their supervisor.

Organ and Bone Marrow Donor Leave - Donor leave is available to employees undergoing an organ or bone marrow donation procedure or related treatment. An employee requesting donation leave shall notify the District at least 30 days before leave is to begin. If the employee cannot provide 30 days' notice, the employee should inform the District as soon as is practicable.

Employees must provide written verification supporting the need for donation leave. The verification must state that the employee is a bone marrow or organ donor and that the donation is medically necessary.

Organ donation. The District will grant a paid leave of absence of up to 30 business days to an employee who donates an organ to another person, and an additional 30 business days of unpaid

leave in any one-year period. (Cal. Lab. Code § 1510.) The leave may be taken intermittently or continuously during the one-year period after the leave begins. An employee who requests leave for organ donation will be required to use accrued sick and/or other accrued time off hours for the first two weeks of leave prior to receiving the 30 days of District-paid leave.

Bone marrow donation. The District will grant five (5) days of paid leave to an employee who donates their bone marrow to another person. The leave may be taken intermittently or continuously during the one-year period after the leave begins. An employee who requests leave for bone marrow donation will be required to use available accrued sick and/or other accrued time off hours for the first week of leave prior to receiving the five (5) days of District-paid leave.

Employees who take donor leave will not be retaliated or otherwise discriminated against for doing so.

The District will continue the employee's health and welfare benefits under the same terms and conditions, as long as the employee continues to pay their portion of the applicable premium contribution during the leave of absence. Employees will be restored to the position held when the donor leave started or to a position with equivalent status, benefits, and pay. The District may decline to restore an employee because of conditions unrelated to the employee's qualified use of donor leave.

SECTION 3: Article 20, Employer-Employee Relations, Sections 20.1 through 20.12 of the District's Administrative and Ethics Code is hereby amended to read as follows:

Sec. 20.1.

Equal Employment Opportunity. It is and shall be the continuing policy of the Olivenhain Municipal Water District that all persons are entitled to equal employment opportunity regardless of ~~gender~~sex, race, color, ancestry, religious creed, national origin, mental or physical disability, medical condition, genetic information, pregnancy, reproductive health decision making (including the decision to use or access a particular drug, device, product, or medical service for reproductive health), gender identity, gender expression, sexual orientation, political affiliation, veteran status, age, marital status, registered domestic partner status, or any other legally protected status as defined in California Family Code, Section 297, complaints filed with the Department of Fair Employment, birth or adoption of a child, domestic partner's child or leave for the care of an immediate family member (spouse, registered domestic partner as defined in California Family Code, Section 297, child, domestic partner's child or parent) with a serious health condition pursuant to all applicable state and federal laws.

- A. Employment opportunities are and shall be open to all qualified applicants solely on the basis of their experience, aptitudes, and abilities.
- B. Advancement is and shall be based entirely on the individual's achievement, performance, ability, attitude and potential for promotion.
- C. All relations and decisions pertaining to employment, promotions, demotion, transfer, recruiting, Reductions-in-Workforce (RIW), terminations, training, rates of pay and benefits will be executed without regard to gender, race, color, ancestry, religious creed, national origin, mental or physical disability, age, marital status, registered domestic partner status, or any other legally protected status, complaints filed with the Department of Fair Employment, birth or adoption of a child, registered domestic partner's child or leave for the care of an immediate family member (spouse, registered domestic partner as defined in California Family Code, Section 297, child, domestic partner's child or parent) with a serious health condition pursuant to all applicable state and federal laws.

Section 20.2. revised via Ordinance No. 463 / February 13, 2019

Section 20.2. revised via Ordinance No. 320 / July 27, 2005

Sec. 20.2.

Affirmative Action Program. It is the personnel policy of the Olivenhain Municipal Water District to utilize available personnel resources in selecting the best qualified person for the job to be performed on the basis of qualifications which are essential in order that an employee may perform well, including such factors as ability, availability, capability, aptitude, experience, education, and willingness to work and serve. The object is to use qualified personnel in such a manner so as not to discriminate against any person, employee or job applicant for employment because of gendersex, race, color, ancestry, religious creed, national origin, mental or physical disability, age, marital status, registered domestic partner status, or any other legally protected status, complaints filed with the Department of Fair Employment, birth or adoption of a child, registered domestic partner's child or leave for the care of an immediate family member (spouse, registered domestic partner as defined in California Family Code, Section 297, child, registered domestic partner's child or parent) with a serious health condition pursuant to all applicable state and federal laws.

- A. Recruitment. The Olivenhain Municipal Water District will consider all qualified applicants for vacancies in all job classifications on the basis of individual qualifications and job performance.

- B. Job Placement and Promotions. The Olivenhain Municipal Water District will provide promotional and upgrading opportunities when they become available to all qualified employees on the basis of individual qualifications and essential job performance.
- C. Training and Development. All training and educational programs conducted on the job, and all outside training and educational seminars for employees will be made available to all employees.
- D. Compensation and Employee Benefits. The District will pay all personnel fairly according to their job classification. The District-supported benefit programs for employees will be made equally available to all personnel.
- E. Working Conditions and Facilities. District facilities, except restrooms and dressing rooms, will not be segregated on the basis of gender.
- F. RIW and Terminations. Whenever necessary to reduce the District workforce, RIW or recall to work decisions will be made without regard to gender, race, color, ancestry, religious creed, national origin, mental or physical disability, age, marital status, registered domestic partner status, or any other legally protected status, complaints filed with the Department of Fair Employment, birth or adoption of a child, registered domestic partner's child or leave for the care of an immediate family member (spouse, registered domestic partner as defined in California Code Section 297, child, domestic partner's child, or parent) with a serious health condition pursuant to all applicable state and federal laws.

When it becomes necessary to terminate any employees, such termination will be without discrimination due to gender, race, color, ancestry, religious creed, national origin, mental or physical disability, medical condition, genetic information, pregnancy, reproductive health decision making (including the decision to use or access a particular drug, device, product, or medical service for reproductive health), gender identity, gender expression, sexual orientation, political affiliation, veteran status, age, marital status, registered domestic partner status, or any other legally protected status, complaints filed with the Department of Fair Employment, birth or adoption of a child, registered domestic partner's child or leave for the care of an immediate family member (spouse, registered domestic partner as defined in California Code Section 297, child, domestic partner's child, or parent) with a serious health condition pursuant to all applicable state and federal laws.

~~Opportunity Commission, and California Fair Employment and Housing Act, specifically Government Code Sections 12940 (a),(h) and (i) and state laws.~~

The Fair Employment and Housing Act defines harassment because of sex as including sexual harassment, gender harassment, and harassment based on pregnancy, childbirth or related medical conditions. ~~The Fair Employment and Housing Commission~~California regulations define sexual harassment as unwanted sexual advances or visual, verbal or physical conduct of a sexual nature. This definition includes many forms of offensive behavior and includes sexual harassment of a person of the same sex as the harasser. The following is a partial list: unwanted sexual advances or request for sexual favors made a condition of getting, keeping or advancing a job, making or threatening reprisals after a negative response to sexual advances, visual forms of sexual harassment e.g. derogatory posters, cartoons, photographs, pictures or drawings based on sex, verbal harassment e.g. epithets, derogatory comments or slurs based on sex and physical harassment e.g. assault, impeding or blocking movement or any physical interference with normal work or movement when directed at an individual based on sex. Consensual sexual conduct does not constitute sexual harassment.

The District maintains a strict policy prohibiting all forms of sexual harassment at the workplace. Regular training about this policy is conducted and reviewed annually for all employees. This policy applies to ALL employees, supervisors, agents and non-employees who have contact with employees during working hours. Disciplinary action will be taken promptly against any employee, supervisory or otherwise, who engages in unlawful sexual harassment as defined by the Fair Employment and Housing Act. There may be personal liability for a person who commits the harassment or aids and abets in the harassment, depending on the circumstances.

Anyone who is subject to or witnesses sexual harassment as defined by the Fair Employment and Housing Act at the Olivenhain Municipal Water District is expected to promptly contact any Manager. If the complaint involves a Manager, it shall be immediately reported to the General Manager of the District. Retaliation for complaining about harassment is illegal, even if it cannot be demonstrated that the harassment actually occurred.

Sexual harassment is a violation of Title VII of the Civil Rights Act of 1964 and will not be tolerated by this District.

If employees are aware of any violation of this law, they are expected to report the circumstances to any Manager. If the complaint involves a Manager, it shall be immediately reported to the General Manager of the District. Reports may be submitted verbally or in writing.

The District considers accusations of harassment in the workplace serious and will conduct an immediate, thorough, objective and complete investigation. All persons with information regarding the matter will be interviewed and a determination made. The results will be communicated to the complainant, the alleged harasser, and as appropriate to all others directly concerned.

Employees of the District who believe they have been subjected to sexual harassment as defined by the Fair Employment and Housing Act may also file a complaint with the ~~Department of Fair Employment and Housing~~ California Civil Rights Department (DFEHCRD). Complaint forms may be obtained from ~~DFEH-CRD~~ by calling (800) 884-1684.

All District supervisors or managers informed of any sexual harassment or harassment, as defined by the Fair Employment and Housing Act, are required to immediately report any claims to the Human Resources Manager, or General Manager.

All employees of the District are advised that the District will not tolerate any conduct on the part of any employee accused of sexual harassment that might be construed as retaliatory in nature. Retaliatory conduct or actions by any District employee following a claim of harassment are separate and independent grounds for disciplinary action and/or termination by the District.

If the results of the District's investigation confirm the offense, immediate disciplinary action up to and including discharge and appropriate legal action will be taken against the person violating this policy.

Sec. 20.8. Employment of Relatives. The District seeks to create a work environment that avoids even the appearance of favoritism, conflicts of interest, or management disruptions. The District recognizes the employment of relatives can cause various problems including, but not limited to, charges of favoritism and conflicts of interest.

The District allows existing family working relationships to be maintained, and may employ individuals with family relationships to current District employees, provided that:

- (1) Relatives do not have a supervisor/subordinate relationship with one another;
- (2) The relationship does not create an adverse impact on work productivity or performance; and
- (3) The relationship does not create an actual or perceived conflict of interest.

Should relationships be identified with either applicants or current employees, the matter should be reported to the Human Resources Manager or General Manager immediately. The District will make a determination as to whether the relationship is subject to this policy, and appropriate action will be taken, which may include not hiring a candidate, transferring an existing employee, or terminating the employment of one or both employees with family relationships. For the purposes of this policy, relatives include, but are not limited to, relationships established by blood, marriage, or legal action—e.g., spouse, domestic partners, parents, children, siblings, grandchildren, in-laws, stepparents or other stepfamily members, aunts, uncles, nieces, nephews, cousins.

Sec. 20.9. Other Employment. Employees are expected to devote their energies to their job with the District. The following types of additional employment elsewhere are strictly prohibited.

(1) Additional employment that conflicts with an employee's work schedule, duties, and responsibilities at the District;

(2) Additional employment that creates a conflict of interest or is incompatible with the employee's position with the District;

(3) Additional employment that impairs or has a detrimental effect on the employee's work performance with the District; and/or

(4) Additional employment that requires the employee to conduct work or related activities for that other employment on the District's property, during the employee's working hours, or using the District's resources, facilities, and/or equipment for the benefit of that other employment.

Employees wishing to engage in part-time employment or self-employment while working for the District must have such employment approved in advance by the General Manager.

Sec. 20.10. Open Door Policy. The District has an open-door policy and encourages employees to come forward with their questions, suggestions, concerns, and observations.

The District encourages you to speak with your supervisor first. If, for any reason, you feel you cannot discuss the issue with your supervisor, or if the situation is not resolved satisfactorily, you may present the problem to your Manager. If not successfully resolved by your Manager, then see the Human Resources Manager or General Manager for assistance.

Sec. 20.11. Reasonable Accommodation. Consistent with the District's commitment to providing equal employment opportunities for all applicants and employees, the District will provide reasonable accommodation for qualified individuals with mental and/or physical disabilities, in accordance with all applicable laws, provided the accommodation does not cause an undue hardship on business

operations or pose a direct threat to the health or safety of participants or other employees.

The District also provides reasonable accommodation for individuals whose needs regarding religious observances or practices are made known, provided the accommodation does not cause undue hardship on business operations. The District also provides reasonable accommodation for employees affected by pregnancy, as medically advisable. Upon being notified of an employee's need for a reasonable accommodation, the District will engage, in good faith, in a timely and interactive process with the employee to determine an effective reasonable accommodation. The District prohibits discrimination, discharge, retaliation, or any other unlawful acts against an individual because such person requests or receives an accommodation under this (or another applicable) policy, or because such individual engaged in any other conduct protected by law.

Sec. 20.12. Lactation Accommodation. The District provides accommodations to lactating employees who need to express breast milk during work hours in accordance with applicable law. Specifically, the District will make available a lactation room or other location (that is not a bathroom) for employees to express breast milk in private. The District will ensure that the lactation location:

(1) is in close proximity to the employee's work area, shielded from view, and free from intrusion while the employee is expressing milk;

(2) is safe, clean, and free of hazardous materials;

(3) contains a surface to place a breast pump and personal items;

(4) contains a place to sit; and

(5) has access to electricity or alternative devices, including, but not limited to, extension cords or charging stations, needed to operate an electric or battery-powered breast pump.

In addition, the District will provide access to a sink with running water and a refrigerator suitable for storing milk (or other cooling device suitable for storing milk) in close proximity to the employee's workspace. In the event that more than one employee needs to use the lactation location to express breast milk, the District will discuss alternative options with the employees to determine what arrangement addresses their needs, such as finding an alternative space or creating a schedule for use.

The District provides a reasonable amount of break time for an employee to express breast milk each time the employee requires it. If possible, the break time should run concurrently with any break time already provided to the employee. Break time for a nonexempt employee that does not run concurrently with rest time already authorized for the employee is unpaid.

Employees who are nursing have a right to request a lactation accommodation and may make such requests verbally or in writing, to the Human Resources Manager.

The District will respond to such requests in a reasonably prompt manner, not exceeding five (5) business days. If the District cannot provide break time, location, or other reasonable accommodations in accordance with this policy, it will inform the requesting employee in writing.

The District prohibits any form of retaliation or discrimination against an employee for exercising or attempting to exercise any rights provided under this policy. Any such conduct or other violations of the above policies should be reported to the Human Resources Manager.

Employees also have the right to file a complaint with the California Labor Commissioner for violation of a lactation accommodation right described in the policy above.

SECTION 4: Article 21, Safety Provisions and Practices, Sections 21.1 through 21.5 of the District's Administrative and Ethics Code is hereby amended to read as follows:

Sec. 21.1.

Safety Provisions and Practices. The District believes that safe working conditions for all its employees can be attained through adequate supervision, frequent review of safety practices, proper use of tools and equipment, by employment of adequate safety devices and procedures, and by complete job instruction. It is the responsibility of all employees to work safely.

In addition to its own safety instructions and practices, the District and its employees are subject to the rules and regulations of the California Labor Code Section 6401.7 as amended. Supervisors shall be familiar with and make certain that all such applicable regulations are complied with.

Basic principles regarding safety awareness must be recognized, such as:

- accidents can and must be reduced in number;
- prevention of accidents is an operating responsibility;
- it is possible to eliminate operating hazards;
- all employees must understand that it is to their advantage as well as the District's to work safely;
- active and responsible supervision is a vital factor in carrying out a successful program; and
- safety awareness is good business as it affects humanity, efficiency, and economy.

The District recognizes the need to provide qualified supervision and specific job-related training for the development of safe working practices for every job. It will provide safe working areas, equipment, tools and other work devices. The practices listed below are illustrative, and not exhaustive, of practices of the District. A Safety/Risk/Safety Compliance Administrator shall coordinate safety practices generally as follows:

- A. All field employees are required to wear hard hats and steel-toed boots at all times while in construction zones and other areas as prescribed by Cal OSHA and District policy. Safety-toed caps will be furnished for any employee who operates a jackhammer. The caps will be furnished by the District.
- B. All employees are required to follow safe working practices, render every possible aid to safe operations and report all unsafe conditions or practices to their Supervisor.
- C. Supervisors and/or crew leaders will insist on employees observing and obeying every rule, regulation and order as is necessary for the safe conduct of the work, and will take action as is necessary to obtain observance.
- D. Employees are given frequent accident prevention instructions and are required to attend safety meetings scheduled on a regular basis.
- E. Possession, using or being under the influence of alcohol while on duty or while operating District vehicles is grounds for disciplinary action and/or termination in accordance with Article 5, Section 5.20 of the District's Administrative Code.
- F. Possession, using or being under the influence of a controlled or illegal substance while on duty, or conviction by a Court of Law of any offense involving a controlled substance or any illegal drug is grounds for disciplinary action and/or termination in accordance with Article 5, Section 5.20 of the District's Administrative Code. The District considers cannabis, which remains an illegal substance under federal law, to fall within the meaning of an illegal substance under this policy.
- G. Being in an unsafe condition from prior indulgence, of alcoholic beverages or any controlled or illegal substances, affecting the ability of the employee to perform any duties in an acceptable manner is grounds for disciplinary action and/or termination in accordance with Article 5, Section 5.20 of the District's Administrative Code.
- H. No one shall knowingly be permitted to work while their alertness is impaired by fatigue, illness or other causes that might unnecessarily expose employee or others to injury or illness.
- I. Horseplay, scuffling and other acts which tend to have an adverse influence on the safety or well being of the employees is prohibited.

- J. Work is planned and supervised to forestall injuries in the handling of heavy materials and working together with equipment.
- K. Employees shall not enter hazardous areas, such as manholes, underground vaults, chambers, tanks or other similar places that receive little ventilation, unless it has been determined the air contains no flammable or toxic gases or vapors and a safe atmosphere exists for entry. In no case will an employee working in a hazardous area be permitted to work alone.
- L. Employees should be alert to see that all guards and other protective devices are in proper places and report deficiencies promptly to their Supervisor.
- M. Employees will not handle or tamper with any electrical or mechanical device or appurtenance, nor operate any machinery, vehicle or equipment in a manner not within the scope of their duties unless they have received instructions from their Supervisor, and only when it is safe to do so.

Sec. 21.5.

Drug Free Work Place Program: The Drug Free Work Place Program applies to all employees regardless of job classification. The purpose is to ensure that employees are fit for duty and to protect the employees and the public from risks posed by the use of alcohol and controlled substances.

The District may test for drugs and or alcohol in the following circumstances:

Pre-Employment Drug Testing: New employees/applicants will be subject to the following:

1. All applicants considered favorable for employment will be required to submit a drug screen. Candidates who refuse to undergo such testing or fail to pass such testing will not be eligible for employment.

For those applicants who refuse to take the test, there will be a rebuttable presumption that the test would have been positive for an unlawful substance.

2. The District will take care to administer the testing program in a fair, non-discriminatory manner, and to maintain the confidentiality of the results. There will be no disclosure of information concerning the test results, corrective action or treatment to a third party who does not need to know.
3. A sufficient amount of a sample shall be provided to allow for an initial test and a confirmation test. The testing procedures and cutoff levels for both the initial test and the confirmation

test will be those established by the National Institute on Drug Abuse (NIDA), or the testing laboratory, whichever is applicable. Confirmed positive samples will be retained by the testing laboratory in secured long-term frozen storage for a minimum of one year. Handling and transportation of each sample must be documented through strict chain of custody procedure.

4. The candidate shall be notified of the results of any test that is positive for any substance included in the procedure. A candidate who tests positive may request a second confirmation test ~~of the original urine specimen~~ at his/her own expense. Candidates that fail either a first or second test will not be eligible for employment.

Reasonable Suspicion Testing: Any employee who is observed acting in a manner that is consistent with abuse or misuse of alcohol or drugs will be escorted by a designated individual to provide a sample for testing. Observation of suspicious behavior must be confirmed by two exempt employees who are properly trained in the recognition of such behavior.

Post-Accident Drug/Alcohol Testing: All employees involved in vehicle accidents while working or on duty will be required to submit a sample to a designated testing facility for Drug/Alcohol screening. An accident, for purposes of this section, shall mean all accidents when one or more individuals receive injuries requiring medical attention (or complaint thereof at the time of the accident) or anytime one or more vehicles receive disabling damage. Disabling damage means damage that precludes departure of any vehicle from the scene of the occurrence in its usual manner in daylight after simple repairs. For the purpose of all alcohol and drug screening, samples should be provided within two hours, but not more than eight hours of a reported incident. Samples provided after the eight-hour maximum, but prior to 32-hours will be screened for drugs only. Employees must be driven to the sample collection site by a Supervisor or designee.

Random Testing: Random substance testing for a selected group may be instituted as follows:

- ~~1. Employees who have undergone or are undergoing treatment for substance abuse or misuse;~~
- ~~2.1.~~ Employees who possess a Class A or B Commercial Driver's License, random drug screening will be administered per the requirements of the DOT program (Section 21.6.) and where necessary to comply with federal or state law or regulations.
- ~~3.2.~~ An accurate account will be kept of those employees who have been tested and those who have not because of an absence at the time of the test or for any other reason.

Return-to-Duty and Follow-up Testing: Employees who have violated this program, but were given the opportunity to keep their jobs on the basis of successful rehabilitation, will be subject to unannounced tests to ensure no further positive tests for up to one year following a return to duty.

Sec. 21.6. revised via Ordinance No. 320 / July 27, 2005

PASSED, APPROVED AND ADOPTED at a regular meeting of Olivenhain Municipal Water District's Board of Directors held this 16th day of August 2023 by the following roll call vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Christy Guerin, President
Board of Directors
Olivenhain Municipal Water District

ATTEST:

Lawrence A. Watt, Secretary
Board of Directors
Olivenhain Municipal Water District

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Leo Mendez, Accounting Supervisor
Rainy Selamat, Finance Manager
Via: Kimberly Thorner, General Manager
Subject: **CONSIDER APPROVAL OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT'S
2023 WATER CAPACITY FEES AND ADOPTION OF AN ORDINANCE
AMENDING SECTION 13.11 OF THE DISTRICT'S ADMINISTRATIVE AND
ETHICS CODE - OMWD CAPACITY FEES BY ZONE**

Purpose

The purpose of this agenda item is to request Board approval of the proposed water capacity fee increases and to implement the 5-year phase-in of water capacity fee increases included in the attached Water Capacity Fee Study Report (Report.)

Staff is also requesting the Board to consider and adopt the attached ordinance to amend Section 11 of Article 13 of the District's Administrative and Ethics Code for OMWD Water Capacity Fees by Zone for 2023, which represents the first year of the 5-year phase-in program.

Recommendation

Staff recommends that the Board consider approval of the attached Report and adoption of the attached amendment for 2023 OMWD Water Capacity Fees by Zone (year 1 of the five-year phase in included in the Report.)

The recommended increases will allow the District to collect additional revenues from new users so that they pay their fair share of the costs of the existing infrastructure required to serve them, and to help ensure that existing water users (rate payers) are not burdened with the costs of serving new users. The additional revenues will also help pay for the replacement and refurbishment of the District's water infrastructure.

Future amendments to the Water Capacity Fees by Zone will be brought forward for Board consideration and approval each year in compliance with Section 2.4.H of Article 13 of the District's Administrative and Ethics Code.

The recommended increases to the District's current water capacity fees by zone for 2023 are: 7% for Zone A, 1.8% for Zone B, 3.8% for Zone C, 1.0% for Zone D, and 4.4% for Zone E.

Alternatives

The Board may decide not to adjust the water capacity fees as recommended in the Report or delay the District's water capacity fee increase for 2023. Delaying the increase will result in higher capacity fees in the future to keep up with inflation and will increase the burden on existing water users to pay for increases in water capital replacement projects.

Background

The 2023 Water Capacity Fee Study recommended using the Capacity Buy-in methodology to calculate OMWD Capacity Fees by Zone. The Capacity Buy-in methodology calculates capacity fees by dividing the value of the District's water system by its capacity to arrive at build-out capacity per equivalent dwelling unit (EDU).

The calculated capacity fees based on the study (below) show significant increases to the current water capacity fees for Zones A, C, and E.

Proposed Water Capacity Fees by Zone of Benefit per EDU are as follows:

Comparison (a 3/4-inch meter)	Current	Calculated	Difference (\$)	Difference (%)
Zone A	\$16,126	\$21,700	\$5,574	35%
Zone B	\$11,570	\$12,570	\$1,000	9%
Zone C	\$11,785	\$14,004	\$2,219	19%
Zone D	\$24,421	\$24,764	\$343	1%
Zone E	\$11,951	\$14,612	\$2,660	22%

Due to significant increases in the calculated capacity fees, the proposed and recommended water capacity fees include a 5-year phase-in implementation with an ENR adjustment in year 2, 3, 4 and 5. These adjustments were reviewed and considered by the Board at the July 19, 2023 meeting.

The proposed and recommended 5-year phase-in capacity fee increases included in the Report for a single-family unit connection with ¾" inch meter, one equivalent dwelling unit (EDU), are as follows:

	2023	2024	2025	2026	2027
Zone A	7.0%	7% + ENR Adj. ¹	7% + ENR Adj.	7% + ENR Adj.	7% + ENR Adj.
Zone B	1.8%	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.
Zone C	3.8%	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.
Zone D	1.0%	ENR Adj.	ENR Adj.	ENR Adj.	ENR Adj.
Zone E	4.4%	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.

¹ ENR Adjustment is based on Engineering News-Record Construction Cost Index for the City of Los Angeles.

A public hearing was held on July 19, 2023, to receive and consider public comments regarding the proposed increases. Notification of the public hearing was posted in the San Diego Union Tribune on July 7th and July 14th and posted on the District's website. A notice of the hearing was also sent to the Building Industry Association on June 30, 2023.

There were no oral or written comments received regarding the proposed water capacity fee increases.

Fiscal Impact

The District's philosophy on capacity fees is that new development should pay their fair share of District assets and proposed facilities needed to provide service to their projects. Therefore, revenue generated from capacity fees will be used to provide funds

for renewal and replacement of capital projects and to repay debt issues to finance the water infrastructure based on the total capacity of system.

The District's total system value is estimated at \$636,977,598, exclusive of capital contributions from major developers in their zone of benefits. At 95% build-out, the District has about 1,180 Equivalent Dwelling Units (EDUs) remaining until it is completely built-out in 2050. The expected revenue loss from not increasing capacity fee revenues is estimated at \$2.9 million until 100% build-out.

Discussion

The last adjustments to the District Water Capacity Fees by Zone were adopted by the Board in October 2022. This adjustment was a 3.8% increase across all zones, which was based on a year-to-year change in Engineering News Record-Construction Cost Index for Los Angeles (ENR-CCI LA). The District has been using changes in ENR-CCI LA index to adjust its water capacity fee since 2011 in accordance with the District's Administrative and Ethic Code.

The purpose of this year's update on water capacity fees is to adjust OMWD Water Capacity Fees by Zone accordingly to reflect the total capacity of the system and the value of the district's assets, including updated estimated pipeline replacement costs.

Staff will be available for discussion at the meeting.

Attachments: **Attachment 1** – Ordinance
 Attachment 2 – Article 13 Revisions
 Attachment 3 – Water Capacity Study Report (Raftelis)

Attachment 1

ORDINANCE NO. 5xx

AN ORDINANCE OF THE BOARD OF DIRECTORS OF
THE OLIVENHAIN MUNICIPAL WATER DISTRICT
AMENDING THE DISTRICT'S ADMINISTRATIVE AND ETHICS CODE
(Article 13 – Policy for District's Facilities)

BE IT ORDAINED by the Board of Directors of Olivenhain Municipal Water District as follows:

SECTION 1: Section 11A of Article 13 of OMWD's Administrative and Ethics Code, Policy for District's Facilities, are hereby revised to read as shown on Exhibit A (attached).

PASSED, APPROVED AND ADOPTED at a regular meeting of Olivenhain Municipal Water District's Board of Directors held this 16th day of August 2023.

Christy Guerin, President
Board of Directors
Olivenhain Municipal Water District

ATTEST:

Lawrence A. Watt, Secretary
Board of Directors
Olivenhain Municipal Water District

OLIVENHAIN MUNICIPAL WATER DISTRICT	Article No. 13	Page 15 of 31
	TITLE: POLICY FOR DISTRICT FACILITIES	
	Latest Revision Date October 19, 2022	Ordinance No. 504

ADMINISTRATIVE AND ETHICS CODE**ARTICLE 13. POLICY FOR DISTRICT FACILITIES***Sec. 13.11.A revised by Ordinance No. 460 / October 17, 2018**Sec. 13.11.A revised by Ordinance No. 452 / September 13, 2017**Sec. 13.11.A. revised by Ordinance No. 440 / July 20, 2016**Sec. 13.11.A. revised by Ordinance No. 415 / May 21, 2014**Sec. 13.11.A. revised by Ordinance No. 407 / May 22, 2013**Sec. 13.11.A. revised by Ordinance No. 395 / May 23, 2012**Sec. 13.11.A. revised by Ordinance No. 440 / July 20, 2016**Sec. 13.11.A. revised by Ordinance No. 387 / March 23, 2011**Sec. 13.11.A. revised by Ordinance No. 378 / June 23, 2010**Sec. 13.11.A. revised by Ordinance No. 368 / December 10, 2008**Sec. 13.11.A. revised by Ordinance No. 356 / December 5, 2007**Sec. 13.11.A. and B. revised by Ordinance No. 341 / December 13, 2006**Sec. 13.11.A. and B. revised by Ordinance No. 324 / Nov. 16, 2005**Sec. 13.11.A., B., and E. revised by Ordinance No. 320 / July 27, 2005**Sec. 13.11.B. revised by Ordinance No. 319 / June 22, 2005**Sec. 13.11.A. revised by Ordinance No. 314 / Jan. 14, 2005**Sec. 13.11.A. revised by Ordinance No. 307 / Nov. 19, 2003***Sec 13.11. Capacity Fee and Installation Charges.****A. OMWD Capacity Fees by Zone.****ZONE A**

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ 11,288 12,078
3/4"	1.0	\$ 16,126 17,254
1"	1.9	\$ 30,640 32,784
1-1/2"	3.1	\$ 49,993 53,492
2"	5.0	\$ 80,637 86,281
3"	10.2	\$ 164,500 176,015
4"	17.1	\$ 275,779 295,083
6"	36.0	\$ 580,592 621,233
8"	65.0	\$ 1,048,294 1,121,674

OLIVENHAIN MUNICIPAL WATER DISTRICT ADMINISTRATIVE AND ETHICS CODE	Article No. 13	Page 16 of 31
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ARTICLE 13. POLICY FOR DISTRICT FACILITIES

Sec 13.11. Capacity Fee and Installation Charges

A. Capacity Fees by Zone. continued

ZONE B

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ 8,099 <u>8,244</u>
3/4"	1.0	\$ 11,570 <u>11,778</u>
1"	1.9	\$ 21,986 <u>22,381</u>
1-1/2"	3.1	\$ 35,875 <u>36,520</u>
2"	5.0	\$ 57,864 <u>58,905</u>
3"	10.2	\$ 118,045 <u>120,169</u>
4"	17.1	\$ 197,900 <u>201,462</u>
6"	36.0	\$ 416,634 <u>424,133</u>
8"	65.0	\$ 752,257 <u>765,797</u>

Sec 13.11. Capacity Fee and Installation Charges.

A. Capacity Fees by Zone. continued

OLIVENHAIN MUNICIPAL WATER DISTRICT	Article No. 13	Page 17 of 31
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ADMINISTRATIVE AND ETHICS CODE

ARTICLE 13. POLICY FOR DISTRICT FACILITIES

ZONE C

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ 8,248 8,561
3/4"	1.0	\$ 41,785 12,232
1"	1.9	\$ 22,395 23,246
1-1/2"	3.1	\$ 36,540 37,928
2"	5.0	\$ 58,938 61,177
3"	10.2	\$ 120,237 124,806
4"	17.1	\$ 201,576 209,235
6"	36.0	\$ 424,371 440,497
8"	65.0	\$ 766,227 795,343

Sec 13.11. Capacity Fee and Installation Charges.

A. Capacity Fees by Zone. continued

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ADMINISTRATIVE AND ETHICS CODE

ARTICLE 13. POLICY FOR DISTRICT FACILITIES

ZONE D

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ 17,093 17,263
3/4"	1.0	\$ 24,421 24,665
1"	1.9	\$ 46,400 46,864
1-1/2"	3.1	\$ 75,708 76,465
2"	5.0	\$ 122,112 123,333
3"	10.2	\$ 249,108 251,599
4"	17.1	\$ 417,625 421,801
6"	36.0	\$ 879,214 888,006
8"	65.0	\$ 1,587,472 1,603,346

Sec 13.11. Capacity Fee and Installation Charges.

A. Capacity Fees by Zone. continued

OLIVENHAIN MUNICIPAL WATER DISTRICT	Article No. 13	Page 19 of 31
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ADMINISTRATIVE AND ETHICS CODE

ARTICLE 13. POLICY FOR DISTRICT FACILITIES

ZONE E

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ 8,365 8,733
3/4"	1.0	\$ 11,954 12,476
1"	1.9	\$ 22,709 23,708
1-1/2"	3.1	\$ 37,053 38,683
2"	5.0	\$ 59,765 62,394
3"	10.2	\$ 121,924 127,288
4"	17.1	\$ 204,405 213,398
6"	36.0	\$ 430,326 449,260
8"	65.0	\$ 776,979 811,166

Olivenhain Municipal Water District

Water Capacity Fee Study

June 14, 2023



June 14, 2023

Ms. Kimberly Thorner
Ms. Rainy Selamat
Finance Manager
Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024

Subject: Water Capacity Fee Study

Dear Ms. Thorner,

Raftelis is pleased to provide this Water Capacity Fee Report (Report) to Olivenhain Municipal Water District (District). This Report details the methodology and calculations used to determine the water capacity fee.

We have calculated fees for ultimate buildout conditions under the capacity buy-in method for the different zones in the District. There are significant changes to existing water capacity fees based on detailed review of the assets used in the different zones.

It has been a pleasure working with District Staff and we thank Leo Mendez, Rainy Selamat, and Lindsey Stephenson, for the support provided during this Study.

Sincerely,

Raftelis

Sudhir Pardiwala
Executive Vice President

Sarah Wingfield
Associate Consultant

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Glossary of Terms

Buy-in method – An approach to determining capacity fees based on the value of the existing system's capacity. This method is typically used when the existing system has sufficient capacity to serve new development; may also be used in conjunction with the incremental cost method resulting in the hybrid approach. There are two approaches under the buy-in method. The first is based on the existing demand in the system and called Equity buy-in, the second is **Capacity buy-in or System buy-in** where the value is based on the total capacity of the system. This results typically in a lower capacity fee as the system capacity is typically more than the demand of the existing users.

Capacity – The water utility's ability to have a certain quantity or level of resources available to meet the water service needs of its customers. Including quantity, quality, peak loads, and other service requirements of the various customers or classes of customers served by the utility.

Capacity fee – A contribution of capital toward existing or planned future facilities necessary to meet the service needs of new customers to which such fees apply. Three methods used to determine the amount of these charges are the buy-in method, the incremental cost method, and the hybrid approach which includes elements of the first two methods. Various terms are used to describe these charges in the industry, but these charges are intended to provide funds to be used to finance all or part of capital improvements necessary to serve new customers.

Contribution in aid of construction (CIAC) – Any amount of money, services, or property received by a water utility from any person or developer or governmental agency that is provided at no cost to the utility.

Debt – An obligation resulting from the borrowing of money or from the purchase of goods and services for the purpose of constructing utility long-lived fixed assets.

Debt service – The amounts of money necessary to pay interest and principal requirements for a given series of years.

Depreciation – The loss in service value not restored by current maintenance as applied to depreciable plant facilities. Depreciation is incurred in connection with the consumption or prospective retirement of plant facilities in the course of providing service. This depreciation is the result of causes known to be in current operation and against which the utility is not protected by insurance. Among the causes are wear and tear, decay, action of the elements, inadequacy, obsolescence, changes in technology, changes in demand, and requirements of public authorities. The proper level of depreciation expense at any given time should be based on the costs of depreciable plant in service. The funds resulting from depreciation are available for replacements, improvements, expansion of the system, or for repayment of the principal portion of outstanding debt.

Equivalent dwelling unit – a single family unit is typically defined as an equivalent dwelling unit (EDU). For water service the standard meter is considered to be one EDU. For the District, the standard meter size for single family residential connections is $\frac{3}{4}$ -inch.

Equivalent meter- ratio – The ratio of the cost of investment in larger meters and services to those of a base meter size, such as the $\frac{3}{4}$ -inch meter typically used for residential customers.

Incremental cost method – An approach to determining capacity fees based on the value or cost to expand the existing system's capacity. This method is typically used when the existing system has limited or no capacity to serve

new development and new or incremental facilities are needed to serve new development now and into the future; may also be used in conjunction with the buy-in method resulting in the combined cost approach.

Hybrid approach – An approach to determining capacity fees based on a blended value of both the existing and expanded system's capacity. This method is typically used where some capacity is available in parts of the existing system (e.g., source of supply), but new or incremental capacity will need to be built in other parts (e.g., treatment plant) to serve new development at some point in the future; a combination of the buy-in and incremental cost approaches.

Original cost – The cost at which an asset is purchased, also called book value.

Replacement cost – The current cost of replacing an asset. Typically, an asset purchased years ago will cost more to replace now because of inflation. One method of determining the current value of an asset is by using inflation factors. The Engineering News-Record Construction Cost Index is widely used to determine current value.

Replacement cost less depreciation – is the depreciated value of the replacement cost. Since the current users have used the asset, it is no longer new and this cost represents a better value of the asset than the new cost.

Unit of service – An element of service for which a cost can be ascertained, such as EDUs, thousand gallons, hundred cubic feet, million gallons per day, etc.

1. Executive Summary

In Spring 2022, the Olivenhain Municipal Water District (District) engaged Raftelis to conduct an analysis of its water capacity fees and to document this analysis in a written report. This Water Capacity Fee Study Report (Report) supersedes the 2011 Water Capacity Fee Study and provides a detailed summary of our analysis in which we determined updated water capacity fees in accordance with Government Code Section 66013. The results of this study are independent of prior studies. The analysis presented in this report utilizes the capacity buy-in method to calculate the water capacity fees. Proposed capacity fees for water are based on meter size for all customers. Numbers shown in all the tables of this report are rounded; therefore, hand calculations based on the displayed numbers, such as summing or multiplying, may not equal the exact results shown.

1.1. Background of the Study

The District provides water services to a population of approximately 87,000 in Encinitas, Carlsbad, San Diego, Solana Beach, and neighboring communities. The District is a member of the San Diego County Water Authority (SDCWA), from which it purchases all of its potable water supply. The District also provides recycled water to its customers. Recycled water is produced at the District's water reclamation facility or purchased from the City of San Diego, Santa Fe Valley Community Services District, Vallecitos Water District, and the San Elijo Joint Powers Authority. The District's water system is nearly built-out and can accommodate new connections resulting from the projected minimal growth. The water system comprises approximately 466 miles of pipe ranging from 0.5-48 inches in diameter, 1 potable water treatment plant, 1 water reclamation facility, 18 reservoirs, and 10 pump stations. The District is considering investing in local water supply projects such as the San Dieguito Valley Groundwater project and will continue to expand its Recycled Water System to reduce its reliance on imported water from SDCWA. The District's other capital improvement programs mainly consist of betterment and replacement of its water infrastructures.

Capacity fees are one-time fees assessed by the District to new users as a condition of establishing a new connection to the District's water system or at the expansion of an already existing connection. The capacity fee requires new users, to pay for their share of costs to construct facilities required to provide their utility service, or, in the case of increased density, their increase of intensity use. Revenues generated through capacity fees are used to finance costs associated with the water facilities required to serve customers in their zones of benefits. These fees are designed to be proportional to the demand placed on the system by the new or expanded connection. The primary objective of establishing a capacity fee is to provide an equitable means by which new system users (or existing customers requiring additional capacity) may contribute their fair-share towards the costs associated with the water facilities required to serve them. This way, capacity fee revenues in effect, reimburse existing users (through lower rates) for costs they have incurred to build and maintain capacity for new users in their zones of benefits. The recommended capacity fees for the service area do not exceed the estimated reasonable costs of providing the facilities for which they are collected and are of proportional benefit to the property being charged.

In accordance with the District's Administrative and Ethics Code, the District evaluates capacity fees on annual basis to determine if appropriate funds are being collected to pay for necessary future capital and replacement projects and updates the fees to present value using the Engineering News Record Construction Cost Index for Los Angeles (ENR-CCI-LA).

The District retained Raftelis to assist in updating the 2011 Water Capacity Fee Study. The purpose of this update is to:

- Update existing water capacity fees, which includes:
 - Assessing the methodology of calculating the fees by meter size and the Zone of Benefit. A map showing the Zone of Benefit is included in **Figure 1-1**
 - Adding additional assets and depreciation since 2011 (when the last capacity fee study was completed).
 - Update asset valuations to fiscal year 2021/22 dollars.
 - Review existing and future equivalent dwelling units (EDUs).
 - Update calculated pipeline replacement costs based on:
 - Revised lineal feet of pipelines based on the District's latest GIS data.
 - Cost per inch per lineal foot, based on the midpoint of recent pipeline constructions bids.
 - Review fiscal year 2022/23 water capital improvement projects.

- Validate the methodology of calculating and assessing the fees by Zone of Benefit.

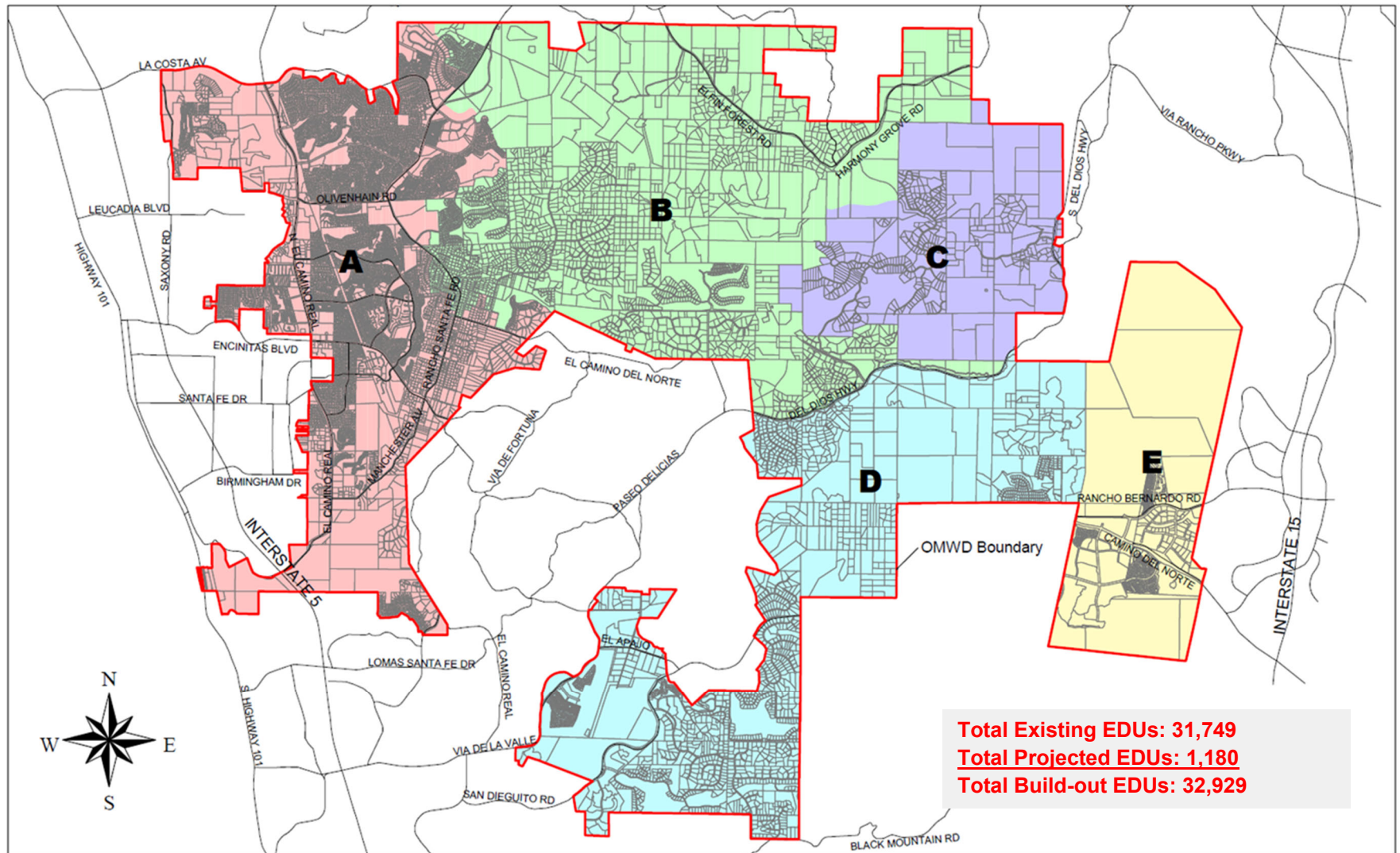
1.2. Current Water Capacity Fees

Table 1-1 shows the District's current water capacity fees by zone and meter size. The current capacity fee schedule was developed in 2011 and has annually adjusted with inflation as measured by the Engineering News-Record Construction Cost Index (CCI) for Los Angeles.

Table 1-1: Current Water Capacity Fees by Zone

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
5/8 inch	\$11,288	\$8,099	\$8,248	\$17,093	\$8,365
3/4 inch	\$16,126	\$11,570	\$11,785	\$24,421	\$11,951
1 inch	\$30,640	\$21,986	\$22,395	\$46,400	\$22,709
1-1/2 inch	\$49,993	\$35,875	\$36,540	\$75,708	\$37,053
2 inch	\$80,637	\$57,864	\$58,938	\$122,112	\$59,765
3 inch	\$164,500	\$118,045	\$120,237	\$249,108	\$121,924
4 inch	\$275,779	\$197,900	\$201,576	\$417,625	\$204,405
6 inch	\$580,592	\$416,634	\$424,371	\$879,214	\$430,326
8 inch	\$1,048,294	\$752,257	\$766,227	\$1,587,472	\$776,979

Figure 1-1 Zones of Benefit



1.3. Calculated Water Capacity Fees

The methodology used in this study to calculate water capacity fees is consistent with industry standards and practiced widely by water utilities in the country. **Table 1-2** shows the calculated water capacity fees schedule for a ¾-inch meter. **Table 1-3** shows the capital facility fees for the different meter sizes. The District is no longer installing new 5/8-inch connections. Therefore, calculated water capacity fee for a 5/8-inch meter by Zone of Benefit is not included and shown in the table below.

Table 1-2: Calculated Water Capacity Fees by Zone Compared to Current for CY 2023

Comparison (a ¾-inch meter)	Current	Calculated	Difference (\$)	Difference (%)
Zone A	\$16,126	\$21,700	\$5,574	35%
Zone B	\$11,570	\$12,570	\$1,000	9%
Zone C	\$11,785	\$14,004	\$2,219	19%
Zone D	\$24,421	\$24,764	\$343	1%
Zone E	\$11,951	\$14,612	\$2,660	22%

Table 1-3: Calculated Water Capacity Fees by Meter Size by Zone

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
5/8 inch	N/A	N/A	N/A	N/A	N/A
3/4 inch	\$21,700	\$12,570	\$14,004	\$24,764	\$14,612
1 inch	\$41,231	\$23,884	\$26,608	\$47,052	\$27,762
1-1/2 inch	\$67,272	\$38,968	\$43,412	\$76,768	\$45,297
2 inch	\$108,502	\$62,852	\$70,020	\$123,820	\$73,059
3 inch	\$221,345	\$128,217	\$142,840	\$252,593	\$149,041
4 inch	\$371,078	\$214,953	\$239,468	\$423,465	\$249,862
6 inch	\$781,218	\$452,532	\$504,143	\$891,504	\$526,025
8 inch	\$1,410,532	\$817,072	\$910,257	\$1,609,661	\$949,768

Since the Calculated Water Capacity Fees shown in the above tables show significant increases compared to the current water capacity fees for Zones A, C, and E, the District is considering to phase in these increases over five years and adjusting the fees through 2027 by the percentages shown in **Table 1-4**.

Table 1-4: Proposed Calculated Water Capacity Fees for a ¾" Meter

	2023	2024	2025	2026	2027
Zone A	7.0%	7% + ENR Adj. ¹	7% + ENR Adj.	7% + ENR Adj.	7% + ENR Adj.
Zone B	1.8%	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.
Zone C	3.8%	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.
Zone D	1.0%	ENR Adj.	ENR Adj.	ENR Adj.	ENR Adj.
Zone E	4.4%	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.

¹ ENR Adjustment is based on Engineering News-Record Construction Cost Index for the City of Los Angeles.

Both current and calculated water capacity fees for larger meters will be proportionately higher based on the hydraulic capacity of the meters as shown in **Table 1-5** and are described further in section 3.4

Table 1-5: Hydraulic Capacity of Meters to Calculate Fees for Larger Meters

Meter Size	Meter Ratio
3/4 inch	1.00
1 inch	1.90
1-1/2 inch	3.10
2 inch	5.00
3 inch	10.20
4 inch	17.10
6 inch	36.00
8 inch	65.00

1.4. Economic and Legal Framework

1.4.1. ECONOMIC FRAMEWORK

For publicly owned systems, most of the assets are typically paid for by the contributions of existing customers through rates, charges, securing debt, and taxes. In service areas that incorporate new customers, the infrastructure developed by previous customers is generally extended towards the service of new customers. Existing customers' investment in the existing system capacity allows newly connecting customers to take advantage of unused surplus capacity. New connectors typically "Buy-In" the existing and pre-funded facilities to establish economic equality among new and existing customers, putting them on par with existing customers. In other words, the new users are buying into the existing system based on the replacement costs of existing assets to continue providing the same service level to new customers through repairs, expansions, and upgrades to the system.

The basic economic philosophy behind capacity fees is that the costs of providing service should be paid for by those that receive utility from the product. To effect fair distribution of the value of the system, the charge should reflect a reasonable estimate of the cost of providing capacity to new users and not unduly burden existing users through a rate increase. Accordingly, many utilities make this philosophy one of their primary guiding principles when developing their capacity fee structure.

The philosophy that service should be paid for by those that receive utility from the product is often referred to as "growth-should-pay-for-growth." The principal is summarized in the American Water Works Association (AWWA) Manual M26: *Water Rates and Related Charges*:

"The purpose of designing customer-contributed-capital system charges is to prevent or reduce the inequity to existing customers that results when these customers must pay the increase in water rates that are needed to pay for added plant costs for new customers. Contributed capital reduces the need for new outside sources of capital, which ordinarily has been serviced from the revenue stream. Under a system of contributed capital, many water utilities are able to finance required facilities by use of a 'growth-pays-for-growth' policy."

This principle, in general, applies to water, wastewater, and storm drainage systems. In the excerpt above, customer-contributed-capital system charges are equivalent to capacity fees.

1.4.2. LEGAL FRAMEWORK AND CALIFORNIA REQUIREMENTS

In establishing capacity fees, it is vital to understand and comply with local laws and regulations governing the establishment, calculation, and implementation of capacity fees. The following sections summarize the regulations applicable to developing capacity fees for the District.

Capacity fees must be established based on a reasonable relationship to the needs and benefits of additional development or expansion. Courts have long used a standard of reasonableness to evaluate the legality of development charges. The basic statutory standards governing capacity fees are embodied by California Government Code Sections 66013, 66016, 66022, and 66023. Government Code Section 66013 contains requirements specific to determining utility development charges:

“Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges shall not exceed the estimated reasonable cost of providing the service for which the fee or charge is imposed, unless a question regarding the amount the fee or charge in excess of the estimated reasonable cost of providing the services or materials is submitted to, and approved by, a popular vote of two-thirds of those electors voting on the issue.”

Section 66013 also includes the following general requirements:

- Local agencies must follow a process set forth in the law, making certain determinations regarding the purpose and use of the charge; they must establish a nexus or relationship between a development project and the public improvement being financed with the charge.
- The capacity charge revenue must be segregated from the General Fund in order to avoid commingling of capacity fees and the General Fund.

2. Methodology Overview

A capital facility fee is generally a one-time charge paid by a new water system customer for the cost of facilities necessary to provide water system capacity to that new customer. However, it is also assessed to existing customers requiring increased water system capacity. Revenues generated by this charge are used to pay for water facilities needed to serve new customers.

2.1. Capacity Fee Methodologies

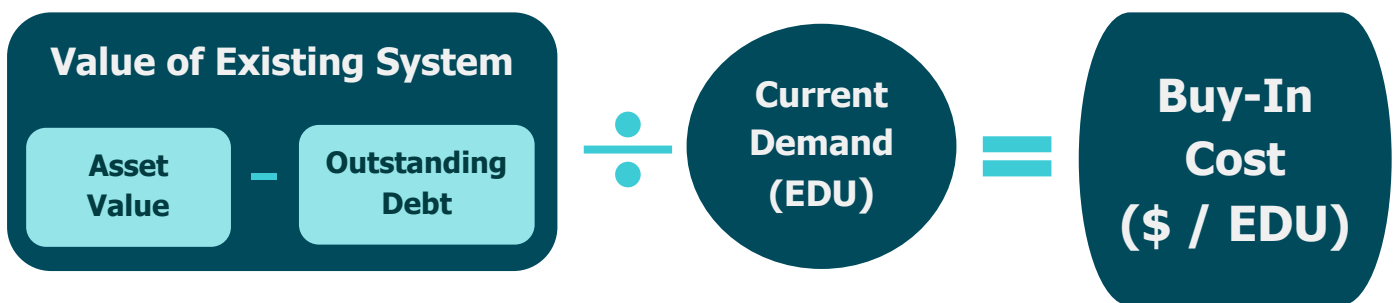
There are several methodologies for calculating capacity fees. The various approaches have largely evolved on the basis of changing public policy, legal requirements, and the unique and special circumstances of every local agency. However, there are two general approaches that are widely accepted and appropriate for water capacity fees.

2.1.1. EQUITY BUY-IN APPROACH

The equity buy-in method focuses on total value and current demand of the existing system. This method is utilized when existing users have developed and maintained a utility system that can accommodate further growth. Since existing customers have already financed the costs associated with developing the current system, new customers will pay their respective portion of the net investment. The net equity investment, or value of the existing system, is then divided by the current demand of the system to determine the buy-in cost per unit of capacity (UOC). For water systems, a unit of capacity is generally an equivalent dwelling unit (EDU) typically measured by the standard single family meter size.

For example, if the current system has 1,000 units of usage in a typical year and the new connection would average an additional equivalent unit of usage, the new connection will cost 1/1000 of the total value of the existing system. By following this method, the new customer has bought into the current system by paying their portion of the overall system based on their strain or capacity access of the system. This places them in an equal financial position to the pre-existing customers. The process for this method is shown in **Figure 2-1**.

Figure 2-1: Equity Buy-In Method

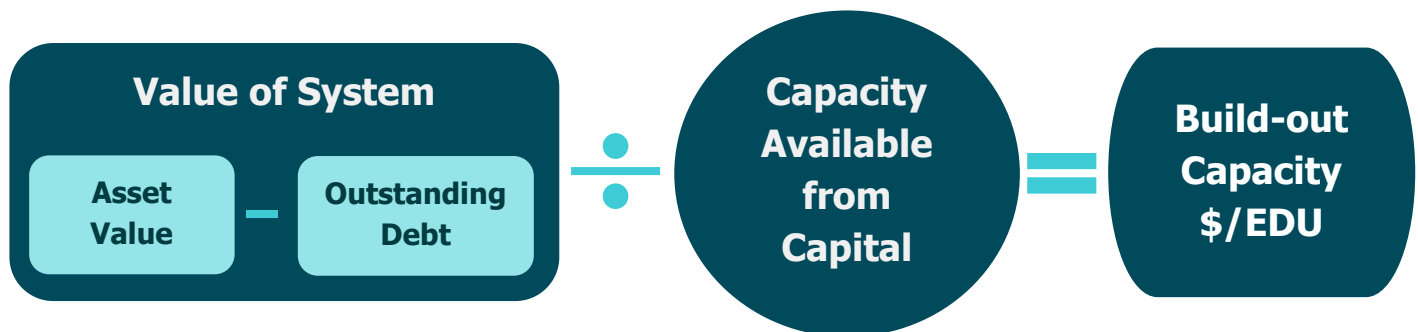


As shown, the value of the system typically includes asset value less any outstanding debt principal. Likewise, debt obligations are secured by the value of the system and used to pay for the assets of the system. Once the value of the existing system is determined, this is divided by the current demand (EDUs) and the buy-in cost is determined for various connection types.

2.1.2. CAPACITY BUY-IN APPROACH

The capacity buy-in approach is based on the same premise as that for the equity buy-in approach – that new customers share in the system costs with existing customers. The difference between the two approaches is that for the capacity buy-in approach, for each major asset, the value is divided by its capacity. This approach has a major challenge as determining the capacity of each major asset is problematic, as the system is designed for peak use and customer behavior fluctuates based on economics and water conservation. **Figure 2-2** illustrates the framework for calculating the capacity buy-in fee. In this case, the capacity at build-out is used to address the challenge of determining the capacity of the assets.

Figure 2-2: Capacity Buy-In Method

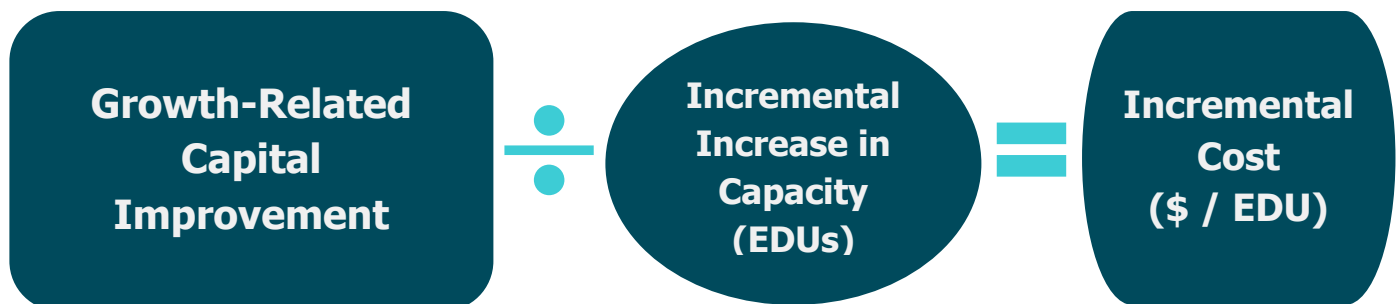


2.1.3. INCREMENTAL COST APPROACH

The incremental method is based on the premise that new development (new users) should pay for the additional capacity and expansions necessary to serve the new development. This method is typically used where there is little or no capacity available to accommodate growth and expansion is needed to service the new development. Under the incremental method, growth-related capital improvements are allocated to new development based on their estimated usage or capacity requirements, irrespective of the value of past investments made by existing customers.

For instance, if it costs X dollars (\$X) to provide 100 additional units of capacity for average usage and a new connector uses one of those units of capacity, then the new user would pay \$X/100 to connect to the system. In other words, new customers pay the incremental cost of capacity. As with the equity buy-in approach, new connectors will effectively acquire a financial position that is on par with existing customers. Use of this method is considered to be most appropriate when a significant portion of the capacity required to serve new customers must be provided by the construction of new facilities. **Figure 2-3** shows the framework for calculating the incremental cost fee.

Figure 2-3: Incremental Cost Method

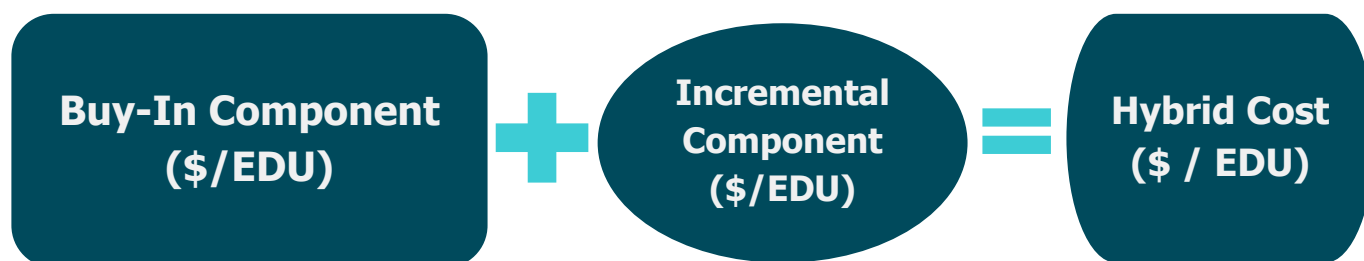


2.1.4. HYBRID APPROACH

The hybrid approach is typically used where some capacity is available to serve new growth, but additional expansion is still necessary to accommodate new development. Under the hybrid approach the capacity fee is based on the summation of the existing capacity and any necessary expansions.

In utilizing this methodology, it is important that system asset costs are not double counted when combining costs of the existing system with future costs from expanding the system. Asset costs that are included in the incremental costs should be excluded from the existing system. Capital Improvement Program (CIP). CIP costs that expand system capacity to serve future customers may be included proportionally to the percentage of the cost specifically required for expansion of the system. **Figure 2-4** summarizes the framework for calculating the hybrid capacity fee.

Figure 2-4: Hybrid Approach



2.1.5. RECOMMENDED METHODOLOGY

The District staff anticipates minimum future growth since the District is at about 95% build-out. Therefore, the system is mainly built out. As a result, Raftelis recommends the capacity buy-in approach for the calculation of the capacity. Under this approach, the buildout capacity that is expected is used as the denominator to determine the capacity fee.

2.2. Asset Valuation Options

Four principal methods are used to estimate the asset value of existing facilities: original cost (OC), replacement cost (RC), original cost less depreciation (OCLD), and replacement cost new less depreciation (RCLD).

2.2.1. ORIGINAL COST

The principal advantages of original cost valuation are relative simplicity and stability since the recorded costs of fixed assets are held constant. The major criticism levied against OC is the disregard of changes in the time value of money, and future capital costs, which are attributable to inflation and other factors. History shows that prices tend to increase rather than remain constant or decrease. This situation may be exacerbated since most water and sewer systems are developed over time on a piecemeal basis as demanded by the customer base and service area growth. Consequently, each asset addition is paid for with dollars of different purchasing power. When these outlays are added together to obtain a plant value, the result can be misleading. Additionally, the original cost does not account for the depreciation of facilities and other assets as they age which may not be representative of the state of the systems. We discuss depreciation in further detail below.

2.2.2. REPLACEMENT COST

Changes in the value of assets over time, represented by general inflation, are recognized by the replacement cost valuation. The replacement cost represents the cost of duplicating the existing water facilities (or duplicating their functions) in current dollars. Unlike the original cost approach, the replacement cost approach recognizes price level changes that have occurred since plant construction and subsequent investments. The most accurate replacement cost valuation requires a physical inventory and appraisal of the utility facilities in terms of their replacement costs at the time of valuation. However, with original cost records available, a reasonable approximation of replacement cost value can be easily derived by trending historical original costs. This approach employs the use of cost indices to express actual capital investment by the utility in current dollars. An obvious advantage of the RC approach is that it accounts for changes in the value of money over time. However, just like the original cost, it does not account for the depreciation of facilities and system assets.

2.2.3. ORIGINAL COST LESS DEPRECIATION

The current value of water facilities is also materially impacted by the effects of age. All assets have estimated useful lives, which vary by type. For example, pumps may have a 20-year life, buildings 50 years, and pipelines 50 to 100 years. Each year an asset is devalued by the fraction of its useful life to original cost. This is referred to as *straight line* or linear depreciation. At the end of an asset's useful life, it is worth zero dollars on paper, though it may still be in service. Depreciation accounts for estimated devaluation in system assets caused by wear and tear, decay, inadequacy, and obsolescence. Original cost valuation can be expressed as net of depreciation to yield the appropriate recognition of the effects of depreciation on existing water and sewer systems. Accumulated depreciation is computed for each asset and deducts losses in valuation based on age or condition from the respective total original cost.

2.2.4. REPLACEMENT COST LESS DEPRECIATION (RCLD)

The RCLD is identical to the original cost less depreciation valuation method, except that asset cost and asset depreciation are in today's dollars rather than the value of the dollar when the asset was placed in service. Original cost and depreciation are inflated using historical indices. Replacement cost depreciation is then subtracted from the replacement cost new of the asset to yield replacement cost less depreciation. RCLD allows for an accounting of system assets in present value while also accounting for proportional devaluation via depreciation.

2.2.5. RECOMMENDED ASSET VALUATION METHOD

Raftelis recommends using the RCLD method to account for today's replacement cost for system improvements while acknowledging the remaining useful life of the system facilities. This is the standard widely used in industry to compute capacity fees. Several factors were reviewed with District staff regarding the system assets, including age of the assets and availability of detailed records. The District provided records of their asset list as of the end of Fiscal Year 2020, which Raftelis utilized to calculate the RCLD value of the system. A complete list of these assets can be found in **Appendix B** and **Appendix C**. Replacement cost was estimated by escalating the original cost to what the current day replacement cost would be. This was accomplished by applying the Engineering News-Record's 20-City Construction Cost Index, shown in **Appendix D**. The depreciation cost was calculated by using a straight-line method of depreciation. This amount was then subtracted from the replacement cost to arrive at the RCLD amounts from the water asset list provided. Pipeline costs have increased significantly and the District obtained quotes on replacing pipelines. These costs were used to value the RCLD of existing pipelines.

3. Proposed Capacity Fees

This section calculates the capacity fees for each zone of benefit. The capacity fee is calculated by dividing the allocated system value in each zone is divided by the current demand on the system in each zone. The system demand in each zone is measured on a per equivalent dwelling unit (EDU) basis. One ¾-in meter represents one EDU. The EDUs for other meters are shown in **Table 3-5** below based on the hydraulic capacity of each meter under the current system. The per EDU amount will then be distributed across the different meter sizes to determine the proposed water capacity fee.

3.1. Buy-In System Value

The initial step in the capacity buy-in method is to determine the value of the water system. Contribution in aid of construction (CIAC) is excluded in determining the value of the water system used for the calculated water capacity fee in this report. Raftelis included outstanding debt principal when calculating the system's value. The asset cost basis for determining the buy-in component of the capacity fee is the RCLD, which estimates the replacement cost reflecting the remaining depreciable life of the facility. System asset data were available through the end of FY 2022. Recycled water assets are included in the valuation of system due to the fact that potable water customers benefit from recycled water facilities as recycled water offsets potable water use and the need for more expensive potable water sources. Recycled water customers also benefit from potable water when recycled water may not be available and pay the same capacity fee developed in this Study. The RCLD is based on the original asset cost adjusted to current costs based on a ratio of the Engineering News-Record, Construction Cost Index (CCI) for Los Angeles, March 2022 to the CCI for the construction year. Pipeline replacement costs are based on District's most recent publicly bid pipeline projects, range from \$55 to \$85 per inch-diameter per foot of length². This study uses an average of \$67 per foot cost to estimate pipeline costs. This replacement cost is adjusted to account for estimated accumulated depreciation through FY 2022. CIAC or contributed assets are excluded in the total net asset value.

Table 3-1 shows the adjusted system value. The adjusted system value reflects the current customers' equity or debt-free investment position. Since new customers, through payment of the general water service rates, would be covering the capital carrying costs of the existing plant, the outstanding debt principal is subtracted from the RCLD Asset Value. Assets in Zone B benefit the whole district and are termed "Base" assets. The assets in each zone are totaled as shown below.

² OMWD Long-term Budgeting for Pipeline Replacement, DRAFT version, May 2023, HDR

Table 3-1: Buy-in Component System Value

Net Asset Value	Total System	Base	Zone of Benefit
Total Water Assets (RCLD)*	\$185,966,836	\$175,376,519	\$10,590,317
Total Recycled Water Assets (RCLD)*	\$11,580,734	\$11,580,734	\$0
Pipeline Costs (RCLD)*	\$458,149,848	\$245,691,321	\$212,458,527
FY 2023 R&R Water Capital Projects	\$11,670,000	\$11,670,000	\$0
Groundwater Project FY 23	\$700,000	\$700,000	\$0
FY 2023 Recycled Water Capital Projects	\$5,361,000	\$5,361,000	\$0
Less Remaining Principal Balance	(\$36,450,820)	(\$36,450,820)	
Total - Net Asset Value	\$636,977,598	\$413,928,754	\$223,048,844

*Exclude Contribution in Aid of Construction (CIAC) assets. Pipeline Costs were calculated as shown in APPENDIX C.

3.2. Equivalent Units

The second step in calculating the capacity fee is determining the current demand. Dividing the system's value by capacity provides a unit cost for the development charge. Capacity is usually expressed in meter equivalents rather than the number of service connections. District Staff provided the number of EDUs for the five distinct zones of benefits. The benefit of using meter equivalents is that it relates the relative capacity of service connections with meters of various sizes, i.e., accounts for the larger meters generating more demand. The District's capacity fee is calculated based on assigned EDUs. EDUs are calculated and assigned by the District's Engineering department based on Article 13 of the District's Administrative and Ethics Code to provide adequate water capacity to each new development and/or a new parcel within the District's service area including peaking and system wide fire protection.

Table 3-2 shows the number of current EDUs by zone.

Table 3-2: Build-out EDUs by Zone

Zone of Benefit	Current EDUs	EDU Projections	Build-Out EDUs
Zone A	16,113	359	16,472
Zone B	4,834	515	5,349
Zone C	590	93	683
Zone D	4,838	126	4,964
Zone E	5,374	87	5,461
Total	31,749	1,180	32,929

3.3. Calculated Capacity Fees

The final step in determining the capacity fee is to divide the adjusted water system value of each zone by the build-out EDUs (Table 3-2). The total net asset value in Table 3-1 is distributed to each zone based on each individual assets. The EDUs relate the relative capacity of service connections with meters of various sizes.

First, we calculate the base capacity fee, these are the assets in Zone B that benefit all zones and is shown in

Table 3-3: Base Capacity Fee Calculation. Zone B includes the District’s water treatment plant. All assets in Zone B, including the pipelines, benefit all the other zones.

Table 3-3: Base Capacity Fee Calculation for One EDU (3/4” meter)

Base Capacity Fee Component	
Base Allocated Asset Costs	\$413,928,754
Distribution Cost	\$0
Build-out EDUs Total	32,929
Base Capacity Fee	\$12,570

Next, we calculate the capacity fee associated with the assets in each zone as shown in **Table 3-4:** Zonal Component Capacity Fee Calculation. Since Zone B assets benefit the whole district and are included as the base capacity fee, no additional zonal capacity fee is considered for Zone B

Table 3-4: Zonal Component Capacity Fee Calculation for One EDU (3/4” meter)

Capacity Fee By Zone	Zone A	Zone B	Zone C	Zone D	Zone E
Zonal Component Asset Value	\$150,391,797	\$0	\$979,163	\$60,529,371	\$11,148,514
Build-Out EDUs By Zone	16,472	5,349	683	4,964	5,461
Zonal Component Capacity Fee per EDU	\$9,130	\$0	\$1,434	\$12,194	\$2,041

The total capacity fee is the sum of the base capacity fee in **Table 3-3** and the zonal component capacity fee shown in **Table 3-4** as shown in **Table 3-5**. Because of the topography and density, the value of the assets serving customers varies significantly along with the corresponding fees.

Table 3-5: Total Capacity Fee by Zone for One EDU (3/4” meter)

Capacity Fee by Zone per EDU	Zone A	Zone B	Zone C	Zone D	Zone E
Base Component Capacity Fee	\$12,570	\$12,570	\$12,570	\$12,570	\$12,570
Zonal Component Capacity Fee	\$9,130	\$0	\$1,434	\$12,194	\$2,041
Total Capacity Fee by Zone	\$21,700	\$12,570	\$14,004	\$24,764	\$14,612

3.4. Calculated Capacity Fee Schedule

The District’s base and most common meter size is ¾-inch. Therefore, the component unit charge is applied to the ¾-inch meter which is equated to one EDU. The capacity of each meter size is used to determine the meter ratio compared to the ¾-inch meter based on the Engineer’s Report prepared for Olivenhain Municipal Water District Assessment District No.96-1 Olivenhain Water Storage Project adopted by the Board of Directors. The calculated fee schedule is proportional to the meter capacity ratio. The capacity ratios shown in **Table 3-6:** OMWD Meter Capacity Ratio are used to determine the fees for the various meter sizes.

Table 3-6: OMWD Meter Capacity Ratio

Meter Size	Meter Ratio/EDU
5/8 inch	0.70
3/4 inch	1.00
1 inch	1.90
1-1/2 inch	3.10
2 inch	5.00
3 inch	10.20
4 inch	17.10
6 inch	36.00
8 inch	65.00

Table 3-7 shows the calculated water capacity fee by meter size by zone. The fee by meter size is calculated by multiplying the fee per EDU, derived in Table 3-5, by the meter ratios, defined in Table 3-6, at each zone.

Table 3-7: Calculated Zonal Water Capacity Fees by Meter Size

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
5/8 inch	N/A	N/A	N/A	N/A	N/A
3/4 inch	\$21,700	\$12,570	\$14,004	\$24,764	\$14,612
1 inch	\$41,231	\$23,884	\$26,608	\$47,052	\$27,762
1-1/2 inch	\$67,272	\$38,968	\$43,412	\$76,768	\$45,297
2 inch	\$108,502	\$62,852	\$70,020	\$123,820	\$73,059
3 inch	\$221,345	\$128,217	\$142,840	\$252,593	\$149,041
4 inch	\$371,078	\$214,953	\$239,468	\$423,465	\$249,862
6 inch	\$781,218	\$452,532	\$504,143	\$891,504	\$526,025
8 inch	\$1,410,532	\$817,072	\$910,257	\$1,609,661	\$949,768

Table 3-8 shows a comparison between the current and calculated water capacity fee per EDU in each zone.

Table 3-8: Comparison of 3/4" Current and Calculated Water Capacity Fees by Zone

Zone	Current	Proposed	Difference (\$)	
Zone A	\$16,126	\$21,700	\$5,574	
Zone B	\$11,570	\$12,570	\$1,000	
Zone C	\$11,785	\$14,004	\$2,219	
Zone D	\$24,421	\$24,764	\$343	
Zone E	\$11,951	\$14,612	\$2,660	

There are significant changes to the capacity fees in Zones A, C, and E. To mitigate the impacts to new customers, the District Board has decided to phase in the increases over five years as shown in **Table 3-9**.

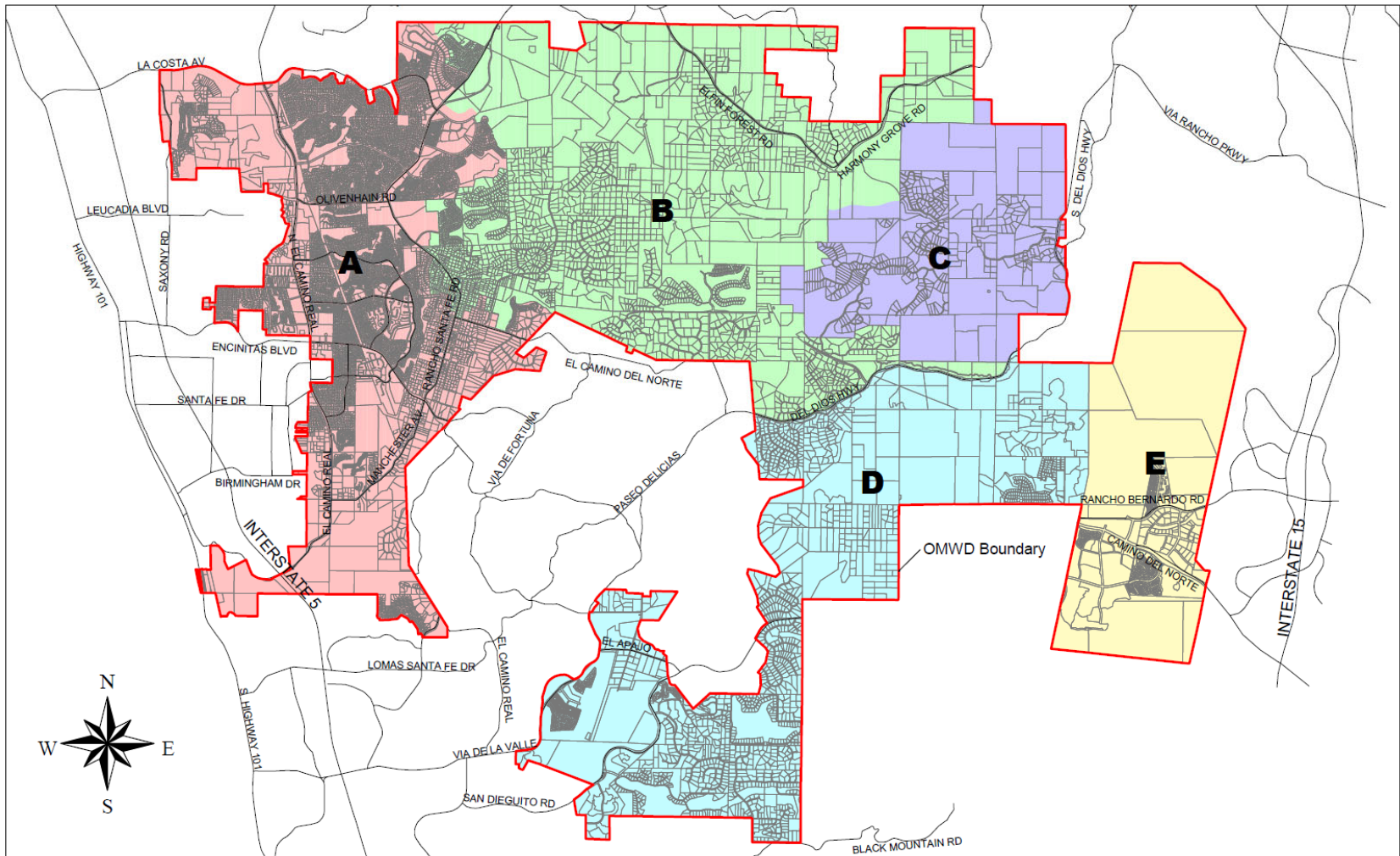
Table 3-9: Proposed Water Capital Facility Fees for ¾-in Meter

	2023	2024	2025	2026	2027
Zone A	7.0%	7% + ENR Adj. ³	7% + ENR Adj.	7% + ENR Adj.	7% + ENR Adj.
Zone B	1.8%	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.
Zone C	3.8%	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.
Zone D	1.0%	ENR Adj.	ENR Adj.	ENR Adj.	ENR Adj.
Zone E	4.4%	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.

³ ENR Adjustment is the Engineering News-Record Construction Cost Index for the City of Los Angeles.

APPENDIX A:

Zones of Benefit Map



APPENDIX B:

Water Capital Fee Assets Valuation

**Appendix B: Water Capital Fee Assets Valuation
Summary**

Zone of Benefit	Total Original Cost	Replacement Cost	Replacement Cost Less Depreciation
A	3,618,823	6,451,178	5,231,598
C	263,909	324,095	179,365
D	5,277,918	8,197,003	5,147,514
E	56,158	70,050	31,841
ALL	203,139,231	325,470,920	186,957,253
Total	212,356,039	340,513,246	197,547,571

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
202102	AUTOMOTIVE	2021 FORD F250 CREW CAB 4X2 (PU111)	\$29,518	\$8,434	\$33,027	\$9,436	\$23,591
202103	AUTOMOTIVE	2021 FORD F150 CREW CAB 4X2 (PU112)	\$22,968	\$6,562	\$25,698	\$7,342	\$18,356
202104	AUTOMOTIVE	2021 FORD F150 CREW CAB 4X2 (PU113)	\$23,397	\$6,685	\$26,178	\$7,479	\$18,698
202105	AUTOMOTIVE	2020 FORD F450 FLATBED DUMP TRUCK (FB25)	\$37,920	\$10,834	\$42,427	\$12,122	\$30,305
297880	AUTOMOTIVE	2019 FORD F250 S/C W/SVC BED (PU109)	\$31,190	\$13,367	\$34,731	\$14,885	\$19,846
297881	AUTOMOTIVE	2019 FORD F250 (PU110)	\$32,337	\$13,859	\$36,009	\$15,432	\$20,576
297882	AUTOMOTIVE	2020 FORD F550 CREW TRUCK (FB02)	\$103,023	\$44,153	\$114,721	\$49,166	\$65,555
297883	AUTOMOTIVE	2020 FORD F450 FLATBED DUMP TRUCK (FB26)	\$42,427	\$18,183	\$47,245	\$20,248	\$26,997
297884	AUTOMOTIVE	2020 FORD TRANSIT 150MR PASSENGER XL VAN	\$30,813	\$13,206	\$34,312	\$14,705	\$19,607
208365	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU106)	\$26,763	\$15,293	\$30,234	\$17,276	\$12,957
208366	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU105)	\$26,504	\$15,145	\$29,940	\$17,109	\$12,832
208367	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU104)	\$30,563	\$17,465	\$34,526	\$19,729	\$14,797
208368	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU103)	\$23,925	\$13,671	\$27,028	\$15,444	\$11,583
208369	AUTOMOTIVE	2019 FORD F150 S/C 4X4 (PU108)	\$28,407	\$16,233	\$32,091	\$18,338	\$13,753
208370	AUTOMOTIVE	2018 FORD F150 C/C 4X2 (PU107)	\$24,319	\$13,897	\$27,473	\$15,699	\$11,774
208371	AUTOMOTIVE	2019 FORD F550 4X2 DIESEL (FB01)	\$137,938	\$78,822	\$155,826	\$89,043	\$66,782
208360	AUTOMOTIVE	2017 FORD F250 SUPER DUTY (PU 98)	\$28,486	\$20,347	\$33,020	\$23,586	\$9,434
208361	AUTOMOTIVE	2018 FORD F150 SUPER CAB (PU100)	\$35,946	\$25,676	\$41,667	\$29,762	\$11,905
208362	AUTOMOTIVE	2018 FORD F150 SUPER CAB (PU101)	\$22,819	\$16,299	\$26,451	\$18,893	\$7,557
208363	AUTOMOTIVE	2018 FORD F150 SUPER CAB (PU99)	\$22,819	\$16,299	\$26,451	\$18,893	\$7,557
208364	AUTOMOTIVE	2017 FORD F750 WATER TRUCK	\$42,823	\$21,412	\$49,639	\$24,820	\$24,820
208354	AUTOMOTIVE	2017 FORD F150 4X4 (PU92)	\$39,726	\$34,051	\$48,066	\$41,199	\$6,867
208355	AUTOMOTIVE	2017 FORD F150 4X4 TRUCK (PU94)	\$37,335	\$32,001	\$45,172	\$38,719	\$6,453
208356	AUTOMOTIVE	2017 FORD F150 V-6 (PU95)	\$27,061	\$23,195	\$32,742	\$28,065	\$4,677
208357	AUTOMOTIVE	2017 FORD F150 V-6 (PU96)	\$27,061	\$23,195	\$32,742	\$28,065	\$4,677
208358	AUTOMOTIVE	2017 FORD F150 V-6 (PU93)	\$30,271	\$25,946	\$36,626	\$31,393	\$5,232
208359	AUTOMOTIVE	2017 FORD F250 TRUCK W/SVC BED (PU97)	\$27,138	\$23,261	\$32,835	\$28,144	\$4,691
208350	AUTOMOTIVE	2015 FORD F150 V6 (PU90)	\$19,190	\$16,449	\$23,219	\$19,902	\$3,317
208351	AUTOMOTIVE	FORD F250 EXTRA CAB W/SVC (PU91)	\$25,389	\$21,762	\$30,719	\$26,330	\$4,388
208352	AUTOMOTIVE	2016 FORD F450 REG CAB (FB27)	\$33,599	\$28,799	\$40,652	\$34,845	\$5,807
208353	AUTOMOTIVE	2016 FORD F-650 DUMP TRUCK (D627)	\$67,036	\$57,459	\$81,108	\$69,521	\$11,587
208340	AUTOMOTIVE	2015 Case 580SN 4WD Backhoe (BA09)	\$97,010	\$45,271	\$119,163	\$55,609	\$63,553
202110	AUTOMOTIVE-REC	2021 FORD F250 CREW CAB 4X2 (PU111)	\$5,952	\$1,701	\$6,659	\$1,903	\$4,757
202111	AUTOMOTIVE-REC	2021 FORD F150 CREW CAB 4X2 (PU112)	\$4,626	\$1,322	\$5,176	\$1,479	\$3,697
202112	AUTOMOTIVE-REC	2021 FORD F150 CREW CAB 4X2 (PU113)	\$4,626	\$1,322	\$5,176	\$1,479	\$3,697
202113	AUTOMOTIVE-REC	2020 FORD F450 FLATBED DUMP (FB25)	\$8,025	\$2,293	\$8,979	\$2,565	\$6,413
297890	AUTOMOTIVE-REC	2019 FORD F250 S/C W/SVC BED (PU109)	\$6,233	\$2,671	\$6,941	\$2,975	\$3,966
297891	AUTOMOTIVE-REC	2019 FORD F250 (PU110)	\$6,233	\$2,671	\$6,941	\$2,975	\$3,966
297892	AUTOMOTIVE-REC	2020 FORD F450 FLATBED DUMP (FB26)	\$7,669	\$3,287	\$8,540	\$3,660	\$4,880
297893	AUTOMOTIVE-REC	2020 FORD TRANSIT PASSENGER VAN (VN57)	\$7,747	\$3,320	\$8,627	\$3,697	\$4,930
297894	AUTOMOTIVE-REC	2020 FORD F550 CREW TRUCK (FB02)	\$19,237	\$8,244	\$21,421	\$9,180	\$12,241
728332	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU106)	\$1,900	\$1,086	\$2,146	\$1,227	\$920
728333	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU105)	\$1,900	\$1,086	\$2,146	\$1,227	\$920
728334	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU103)	\$3,793	\$2,167	\$4,285	\$2,448	\$1,836
728335	AUTOMOTIVE-REC	2019 FORD F150 S/C 4X4 (PU108)	\$4,500	\$2,571	\$5,084	\$2,905	\$2,179
728336	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU107)	\$4,064	\$2,322	\$4,591	\$2,623	\$1,968
728327	AUTOMOTIVE-REC	2017 FORD F250 SUPER DUTY (PU98)	\$4,600	\$3,286	\$5,332	\$3,809	\$1,523
728328	AUTOMOTIVE-REC	2018 FORD F150 SUPER CAB (PU101)	\$3,600	\$2,571	\$4,173	\$2,981	\$1,192
728329	AUTOMOTIVE-REC	2018 FORD F150 SUPER CAB (PU99)	\$3,600	\$2,571	\$4,173	\$2,981	\$1,192
728330	AUTOMOTIVE-REC	2017 FORD F750 WATER TRUCK	\$42,822	\$21,411	\$49,638	\$24,819	\$24,819

Appendix B: Water Capcital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
728331	AUTOMOTIVE-REC	2018 FORD F150 SUPER CAB (PU102)	\$5,157	\$3,684	\$5,978	\$4,270	\$1,708
728324	AUTOMOTIVE-REC	2017 FORD F150 V-6 (PU95)	\$4,000	\$3,429	\$4,840	\$4,148	\$691
728325	AUTOMOTIVE-REC	2017 FORD F150 V-6 (PU96)	\$4,000	\$3,429	\$4,840	\$4,148	\$691
728326	AUTOMOTIVE-REC	2017 FORD F250 W/SVC BED (PU97)	\$5,000	\$4,286	\$6,050	\$5,185	\$864
728320	AUTOMOTIVE-REC	2105 FORD F150 V6 (PU90)	\$3,685	\$3,159	\$4,459	\$3,822	\$637
728321	AUTOMOTIVE-REC	FORD F250 EXTRA CAB W/SVC (PU91)	\$4,850	\$4,157	\$5,868	\$5,030	\$838
728322	AUTOMOTIVE-REC	2016 FORD F450 REG CAB (FB27)	\$6,400	\$5,486	\$7,744	\$6,637	\$1,106
728323	AUTOMOTIVE-REC	20 FORD F-650 DUMP TRUCK (D653)	\$13,405	\$11,490	\$16,219	\$13,902	\$2,317
212227	BLDGS/IMPRV	SOLAR PANELS	\$9,933	\$662	\$10,283	\$686	\$9,598
212243	BLDGS/IMPRV	NEW ADMIN BLDG - HQ - CAP FEES	\$24,753	\$619	\$25,626	\$641	\$24,986
202139	BLDGS/IMPRV	OMWD HQ BUILDING	\$13,012,685	\$650,634	\$14,559,407	\$727,970	\$13,831,436
202164	BLDGS/IMPRV	EFRR INTERPRETIVE CENTER ROOF	\$23,428	\$2,343	\$26,213	\$2,621	\$23,591
202165	BLDGS/IMPRV	CAPITALIZED INTEREST 218 BONDS	\$142,073	\$7,104	\$158,961	\$7,948	\$151,013
297872	BLDGS/IMPRV	EFRR RIDGETOP PICNIC AREA FENCING	\$13,200	\$1,584	\$14,699	\$1,764	\$12,935
810089	BLDGS/IMPRV	SECURITY CAMERAS (SECURITY CAMERA KING)	\$6,017	\$4,814	\$6,797	\$5,438	\$1,359
810087	BLDGS/IMPRV	GAS PUMP RELOCATION	\$297,734	\$49,622	\$345,124	\$57,521	\$287,603
810088	BLDGS/IMPRV	WASH BAY RELOCATION	\$298,352	\$49,725	\$345,841	\$57,640	\$288,201
810083	BLDGS/IMPRV	PARKS TRAILER REPAIRS	\$10,399	\$6,239	\$12,582	\$7,549	\$5,033
810084	BLDGS/IMPRV	900 LINEAR FEET OF FENCING - PARKS DEP	\$26,606	\$15,964	\$32,192	\$19,315	\$12,877
298117	BLDGS/IMPRV	CUP Modifications	\$164,406	\$23,017	\$201,950	\$28,273	\$173,677
298115	BLDGS/IMPRV	EFRR Drainage & Paving Improvements	\$67,992	\$21,757	\$85,397	\$27,327	\$58,070
298116	BLDGS/IMPRV	Emergency Power Generating System	\$413,791	\$132,413	\$519,719	\$166,310	\$353,409
298113	BLDGS/IMPRV	Building B Modifications	\$296,324	\$98,775	\$388,077	\$129,359	\$258,718
298110	BLDGS/IMPRV	Admin Ee Parking Lot Lights	\$9,756	\$5,366	\$13,092	\$7,201	\$5,892
298111	BLDGS/IMPRV	Building J	\$4,305,689	\$947,252	\$5,778,151	\$1,271,193	\$4,506,958
298112	BLDGS/IMPRV	Surplus Storage Facility	\$136,092	\$29,940	\$182,633	\$40,179	\$142,454
298102	BLDGS/IMPRV	Fence Around Office Perimeter	\$84,023	\$36,410	\$115,918	\$50,231	\$65,687
298103	BLDGS/IMPRV	Gaty Communications Building	\$42,067	\$13,672	\$58,036	\$18,862	\$39,174
298104	BLDGS/IMPRV	Efr Interpretvie Center	\$17,490	\$9,095	\$24,129	\$12,547	\$11,582
238106	BLDGS/IMPRV	4G Vent Installed	\$2,359	\$2,241	\$4,225	\$4,014	\$211
810081	BLDGS/IMPRV	Master Plan Develp	\$118,107	\$98,422	\$239,077	\$199,231	\$39,846
212229	BLDGS/IMPRV-REC	BLDG D RECYCLED PORTION	\$3,537	\$88	\$3,662	\$92	\$3,570
202167	BLDGS/IMPRV-REC	OMWD HQ OFFICE - RECYCLED PORTION	\$278,679	\$13,934	\$311,804	\$15,590	\$296,213
728104	BLDGS/IMPRV-REC	Wet Weather Pond Fence	\$90,367	\$49,702	\$121,271	\$66,699	\$54,572
728103	BLDGS/IMPRV-REC	Capitalized Interest	\$254,713	\$40,754	\$344,878	\$55,180	\$289,697
728101	BLDGS/IMPRV-REC	4S Rcyld Sys Const	\$2,048,840	\$437,086	\$3,233,531	\$689,820	\$2,543,711
728102	BLDGS/IMPRV-REC	4S Rcyld Sys Int	\$583,563	\$124,494	\$920,995	\$196,479	\$724,516
298407	COMMEQUIP	Knightsbridge Remote Prs I/O	\$41,270	\$20,635	\$54,049	\$27,024	\$27,024
298406	COMMEQUIP	Scada System Upgrades	\$28,419	\$15,631	\$38,138	\$20,976	\$17,162
298405	COMMEQUIP	Radio Repeater @ Berk Rsvr	\$19,827	\$10,905	\$26,607	\$14,634	\$11,973
278402	COMMEQUIP	Gaty/Subnet Opto Replacement	\$188,385	\$141,288	\$286,970	\$215,228	\$71,743
278401	COMMEQUIP	Miller Opto Replacement	\$11,744	\$8,808	\$17,890	\$13,417	\$4,472
268401	COMMEQUIP	4G/Zorro Subnet Tele	\$236,619	\$189,296	\$373,439	\$298,751	\$74,688
268404	COMMEQUIP	Telemetry Installs	\$41,789	\$33,431	\$65,952	\$52,762	\$13,190
268402	COMMEQUIP	Cielo Ps Opto Rplcmt	\$14,221	\$11,377	\$22,445	\$17,956	\$4,489
268403	COMMEQUIP	Miller Hydrogen Opto	\$21,128	\$16,902	\$33,344	\$26,676	\$6,669
248402	COMMEQUIP	Del Mar Flow Meter	\$22,884	\$16,477	\$37,680	\$27,130	\$10,550
238403	COMMEQUIP	Headquarters Antenna	\$77,413	\$73,542	\$138,638	\$131,706	\$6,932
238405	COMMEQUIP	4G Antenna	\$119,013	\$113,062	\$213,141	\$202,484	\$10,657
238406	COMMEQUIP	Gaty Tower	\$35,899	\$34,104	\$64,291	\$61,077	\$3,215

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
238408	COMMEQUIP	Peay Rsvr Cntrl Sys	\$54,669	\$51,936	\$97,907	\$93,011	\$4,895
212233	COMP HW/SW-REC	FY21/22 COMPUTER EQUIPMENT	\$2,073	\$691	\$2,147	\$716	\$1,431
202120	COMP HW/SW-REC	FY 20/21 COMPUTER SUPPLIES	\$1,643	\$1,095	\$1,838	\$1,226	\$613
212230	COMPUTER HW/SW	NETWORK SECURITY	\$52,507	\$17,502	\$54,360	\$18,120	\$36,240
212231	COMPUTER HW/SW	FY21/22 COMPUTER EQUIPMENT	\$65,825	\$21,942	\$68,147	\$22,716	\$45,431
202115	COMPUTER HW/SW	FY 20/21 COMPUTERS, MONITORS, ETC.	\$26,283	\$17,522	\$29,407	\$19,605	\$9,802
202116	COMPUTER HW/SW	NETWORK SECURITY	\$158,277	\$105,518	\$177,090	\$118,060	\$59,030
202117	COMPUTER HW/SW	PHONE SYSTEM	\$65,429	\$43,619	\$73,206	\$48,804	\$24,402
202118	COMPUTER HW/SW	GP UPGRADE	\$23,424	\$15,616	\$26,208	\$17,472	\$8,736
297895	COMPUTER HW/SW	NETWORK SECURITY - HARDWARE	\$20,723	\$12,434	\$23,076	\$13,846	\$9,231
297896	COMPUTER HW/SW	ANTI-VIRUS APPLIANCE (CDW)	\$47,541	\$28,525	\$52,939	\$31,764	\$21,176
708628	COMPUTER HW/SW	NETWORK SECURITY	\$138,429	\$110,744	\$156,381	\$125,105	\$31,276
708629	COMPUTER HW/SW	WAN UPGRADES	\$32,146	\$25,717	\$36,314	\$29,051	\$7,263
868632	COMPUTER HW/SW	INVENTORY BAR CODING	\$40,546	\$24,328	\$49,058	\$29,435	\$19,623
868619	COMPUTER HW/SW	BILLING INTEGRATION WITH GEOVIEWER	\$45,400	\$38,915	\$54,931	\$47,084	\$7,847
868620	COMPUTER HW/SW	FIXED BASE PIPELINE MONITORING	\$16,300	\$13,971	\$19,722	\$16,904	\$2,817
868621	COMPUTER HW/SW	WAN UPGRADES	\$72,998	\$62,570	\$88,322	\$75,705	\$12,617
868622	COMPUTER HW/SW	CUSTOMER UTILITY BILLING	\$1,059,439	\$317,832	\$1,281,849	\$384,555	\$897,294
208707	COMPUTER HW/SW	EAM Upgrades-Databridge to Infinity CIS	\$31,600	\$11,060	\$38,816	\$13,586	\$25,231
208709	COMPUTER HW/SW	Finance ERP	\$145,633	\$50,972	\$178,890	\$62,611	\$116,278
208696	COMPUTER HW/SW	Finance ERP Capitalized Interest	\$55,766	\$22,306	\$70,042	\$28,017	\$42,025
208697	COMPUTER HW/SW	Finance ERP	\$1,534,366	\$613,746	\$1,927,153	\$770,861	\$1,156,292
238801	ELEC SUBSTATION	Elect'L Substation	\$575,669	\$312,506	\$1,030,966	\$559,667	\$471,299
238802	ELEC SUBSTATION	Elect'L Substation	\$575,670	\$218,755	\$1,030,967	\$391,768	\$639,200
870002	HYDROELEC PLANT	Miller Hydro Controls	\$133,905	\$107,124	\$181,305	\$145,044	\$36,261
286001	INTANGBL ASSETS	Conveyance Of Easements	\$88,856	\$73,175	\$129,349	\$106,523	\$22,826
276001	INTANGBL ASSETS	Video Security System (Dam)	\$75,294	\$66,436	\$114,697	\$101,203	\$13,494
256003	INTANGBL ASSETS	Dam & Rsvr Construct	\$24,529,509	\$17,375,069	\$39,867,309	\$28,239,344	\$11,627,965
256004	INTANGBL ASSETS	Pre-Ad 96-1 Costs	\$2,674,656	\$1,894,548	\$4,347,063	\$3,079,170	\$1,267,893
300062	LAND	Gano Reservoir	\$695,031	\$0	\$1,096,915	\$0	\$1,096,915
300060	LAND	Unit G-1 (Greenland)	\$499,009	\$0	\$787,548	\$0	\$787,548
300061	LAND	Denk Inflow PI Esmnt	\$6,000	\$0	\$9,469	\$0	\$9,469
300063	LAND	Unit X Pipeline	\$431,947	\$0	\$681,710	\$0	\$681,710
300056	LAND	Dam & Reservoir	\$811,787	\$0	\$1,319,381	\$0	\$1,319,381
300057	LAND	Dam & Reservoir	\$2,644,992	\$0	\$4,298,852	\$0	\$4,298,852
300058	LAND	WTP Connection Easement	\$1,202,126	\$0	\$1,953,790	\$0	\$1,953,790
300050	LAND	Water Treatment Plnt	\$379,431	\$0	\$679,524	\$0	\$679,524
300051	LAND	Via Ambiente Road	\$134,800	\$0	\$241,413	\$0	\$241,413
300052	LAND	P/L East Mitigation	\$1,001,904	\$0	\$1,794,311	\$0	\$1,794,311
300053	LAND	Wtp Coastal Sage	\$906,985	\$0	\$1,624,320	\$0	\$1,624,320
300054	LAND	P/L West Easement	\$12,432	\$0	\$22,264	\$0	\$22,264
300055	LAND	Land	\$137,641	\$0	\$246,501	\$0	\$246,501
300047	LAND	Right-Of-Way	\$30,565	\$0	\$61,870	\$0	\$61,870
300045	LAND	Master Plan Develop	\$1,505,330	\$0	\$3,134,513	\$0	\$3,134,513
300026	LAND	District Easements	\$1,592	\$0	\$4,352	\$0	\$4,352
300029	LAND	Staver Settlement	\$5,000	\$0	\$13,669	\$0	\$13,669
300023	LAND	District Easements	\$1,990	\$0	\$5,924	\$0	\$5,924
300017	LAND	Unit "K" Phase 1	\$6,725	\$0	\$22,113	\$0	\$22,113
300019	LAND	Unit K Pipeline R/W	\$83,902	\$0	\$275,872	\$0	\$275,872
300018	LAND	General Easements	\$4,050	\$0	\$13,316	\$0	\$13,316

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
300020	LAND	Gaty li Res Site	\$25,127	\$0	\$82,618	\$0	\$82,618
300021	LAND	Denk Reservoir Site	\$109,078	\$0	\$358,651	\$0	\$358,651
300022	LAND	Roger Miller Res Sit	\$63,883	\$0	\$210,049	\$0	\$210,049
300014	LAND	General Easements	\$1,285	\$0	\$4,762	\$0	\$4,762
300001	LAND	Unit "G" Pipeline	\$11,412	\$0	\$44,993	\$0	\$44,993
300012	LAND	Reclass R/W Unit "H"	\$19,699	\$0	\$77,665	\$0	\$77,665
300013	LAND	Completed	\$9,898	\$0	\$39,024	\$0	\$39,024
300004	LAND	Id4 - Reservoir (2)	\$5,928	\$0	\$23,372	\$0	\$23,372
300008	LAND	Wanket Tank Site Aqu	\$10,268	\$0	\$40,485	\$0	\$40,485
300005	LAND	Unit B-1	\$6,536	\$0	\$25,769	\$0	\$25,769
300010	LAND	General Easemnts Dis	\$13,469	\$0	\$53,102	\$0	\$53,102
300011	LAND	Unit "K" Pln Rt Stdy	\$45,607	\$0	\$179,811	\$0	\$179,811
300006	LAND	Id3 Unit	\$1,332	\$0	\$5,252	\$0	\$5,252
310039	LAND IMPRV	Unit G-1 Mitigation	\$214,041	\$85,616	\$280,315	\$112,126	\$168,189
310038	LAND IMPRV	District Office Landscape	\$43,165	\$31,654	\$57,927	\$42,479	\$15,447
310036	LAND IMPRV	Landscaping	\$218,407	\$52,418	\$295,719	\$70,973	\$224,747
310037	LAND IMPRV	Oak Riparian Mitigation	\$65,448	\$15,707	\$88,615	\$21,268	\$67,348
310033	LAND IMPRV	Olivenhain Rd/Cup Permitting	\$1,838,245	\$477,944	\$2,536,050	\$659,373	\$1,876,677
310034	LAND IMPRV	Tree Rmvl/Relo @ District	\$46,380	\$12,059	\$63,986	\$16,636	\$47,350
310031	LAND IMPRV	Elfin Forest Rr Bridge	\$135,007	\$75,604	\$196,533	\$110,058	\$86,475
310032	LAND IMPRV	4G Reservoir Fencing	\$34,925	\$24,447	\$50,841	\$35,589	\$15,252
310027	LAND IMPRV	Denk Inflow P/L Mitigation	\$92,227	\$55,336	\$140,492	\$84,295	\$56,197
310028	LAND IMPRV	Unit G1 Pipeline Mitigation	\$272,736	\$163,642	\$415,464	\$249,279	\$166,186
310029	LAND IMPRV	Denk Outflow P/L Mitigation	\$30,843	\$18,506	\$46,984	\$28,190	\$18,794
310030	LAND IMPRV	Via Ambiente Bridge Lomr	\$27,004	\$9,001	\$41,136	\$13,712	\$27,424
310022	LAND IMPRV	Zorro Rehab Landscap	\$11,437	\$7,320	\$18,051	\$11,553	\$6,498
310023	LAND IMPRV	Gano Rsvr-Landscape	\$120,000	\$76,800	\$189,387	\$121,208	\$68,179
310024	LAND IMPRV	Unit X P/L Landscape	\$80,000	\$51,200	\$126,258	\$80,805	\$45,453
310025	LAND IMPRV	X-1 Access Road	\$1,215,760	\$486,304	\$1,918,743	\$767,497	\$1,151,246
310026	LAND IMPRV	X-2 Access Road	\$1,652,937	\$661,175	\$2,608,706	\$1,043,483	\$1,565,224
310018	LAND IMPRV	Via Ambiente Bridge	\$476,381	\$181,025	\$853,151	\$324,197	\$528,954
310019	LAND IMPRV	Via Ambiente Road	\$714,439	\$271,487	\$1,279,489	\$486,206	\$793,283
310016	LAND IMPRV	Olivenhain Rd Wideng	\$257,494	\$214,578	\$521,230	\$434,358	\$86,872
310012	LAND IMPRV	San Diequito River	\$2,915	\$2,623	\$6,024	\$5,422	\$602
310010	LAND IMPRV	Fence By Cal West	\$3,006	\$2,806	\$6,207	\$5,793	\$414
273301	LAND IMPRV-REC	Santa Fe Valley P.S. Landscape	\$64,019	\$38,411	\$97,521	\$58,513	\$39,008
273302	LAND IMPRV-REC	Santa Fe Valley P.S. Access Rd	\$145,648	\$43,694	\$221,869	\$66,561	\$155,308
212219	METERS	FIXED BASE AMI	\$600,931	\$30,047	\$622,129	\$31,106	\$591,023
212220	METERS	FY2122 METER REPLACEMENTS	\$199,953	\$13,330	\$207,007	\$13,800	\$193,206
202155	METERS	FIXED BASE AMI	\$758,619	\$75,862	\$848,790	\$84,879	\$763,911
202156	METERS	FY 20/21 METER REPLACEMENTS	\$255,780	\$34,104	\$286,183	\$38,158	\$248,025
297870	METERS	FY 2020 2" & UNDER	\$189,586	\$37,917	\$211,114	\$42,223	\$168,891
297871	METERS	FIXED BASED AMI	\$550,266	\$82,540	\$612,751	\$91,913	\$520,838
297945	METERS	T & M METERS	\$12,642	\$2,528	\$14,077	\$2,815	\$11,262
297831	METERS	FY 2019 METERS 2" & UNDER	\$250,686	\$100,274	\$283,194	\$113,278	\$169,917
297832	METERS	FY 2019 METERS OVER 2" (4)	\$13,867	\$5,547	\$15,665	\$6,266	\$9,399
297833	METERS	FIXED BASE AMI	\$617,075	\$246,830	\$697,097	\$278,839	\$418,258
297816	METERS	FY 2018 METERS OVER 2" (SIX)	\$16,658	\$8,329	\$19,310	\$9,655	\$9,655
297817	METERS	FIRE HYDRANT/WATER SVC RELO - GRANGETTOS	\$51,824	\$25,912	\$60,073	\$30,036	\$30,036
297818	METERS	FY 2018 AMI FIXED BASED TOWERS	\$139,460	\$46,487	\$161,658	\$53,886	\$107,772

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
297819	METERS	FY 2018 AMI METERS	\$384,628	\$192,314	\$445,848	\$222,924	\$222,924
297820	METERS	FY 2018 METERS 2" & UNDER	\$246,265	\$123,133	\$285,463	\$142,731	\$142,731
297808	METERS	FY 2017 2" METERS & UNDER	\$425,080	\$255,048	\$514,317	\$308,590	\$205,727
297809	METERS	FY 2017 METERS OVER 2"	\$26,222	\$15,733	\$31,727	\$19,036	\$12,691
297810	METERS	M400 AMI BASE STATIONS (3)	\$229,955	\$91,982	\$278,230	\$111,292	\$166,938
297811	METERS	2017 AMI RETROFIT SERVICES	\$470,194	\$282,116	\$568,902	\$341,341	\$227,561
297918	METERS	FY 2016 AMR 2" & UNDER	\$146,455	\$87,873	\$177,201	\$106,320	\$70,880
297919	METERS	FY 2016 AMR 4"	\$10,421	\$6,253	\$12,609	\$7,565	\$5,043
297916	METERS	FY 2015 Additions	\$202,604	\$141,823	\$248,871	\$174,210	\$74,661
297917	METERS	Upgrade to 520M's & 520R's	\$507,830	\$355,481	\$623,799	\$436,659	\$187,140
297913	METERS	FY 2014 Additions	\$208,405	\$111,150	\$261,756	\$139,603	\$122,153
297914	METERS	Upgrade to 520R's from B's and C's	\$281,743	\$150,263	\$353,867	\$188,729	\$165,138
297915	METERS	Upgrade to 520M's	\$14,900	\$7,947	\$18,714	\$9,981	\$8,733
297908	METERS	Amr Meter/Battery Replacements	\$122,317	\$110,085	\$160,110	\$144,099	\$16,011
297909	METERS	Metro 50 Tower Base Station	\$75,425	\$45,255	\$98,730	\$59,238	\$39,492
297910	METERS	Radio Read Remotes	\$15,085	\$9,051	\$19,746	\$11,848	\$7,898
297911	METERS	Meters FY 2013	\$2,143,585	\$1,286,151	\$2,805,916	\$1,683,550	\$1,122,366
297912	METERS	Meters Capitalized Interest	\$56,383	\$50,745	\$73,804	\$66,424	\$7,380
297903	METERS	Fire Hydrant (Elfin Forest)	\$43,810	\$14,238	\$60,441	\$19,643	\$40,798
257903	METERS	2004/05 Vent-O-Mats	\$72,303	\$61,457	\$117,512	\$99,885	\$17,627
212221	METERS-REC	RETROFIT METERS TO RECYCLED	\$62,719	\$4,181	\$64,932	\$4,329	\$60,603
212222	METERS-REC	FY2122 METER REPLACEMENTS	\$19,470	\$1,298	\$20,157	\$1,344	\$18,813
202157	METERS-REC	METER REPLACEMENTS	\$4,132	\$551	\$4,623	\$616	\$4,007
202158	METERS-REC	RETROFIT METERS TO RECYCLED	\$26,358	\$3,514	\$29,491	\$3,932	\$25,559
297862	METERS-REC	RECYCLED RETROFITS (FY19/20)	\$132,095	\$26,419	\$147,095	\$29,419	\$117,676
297946	METERS-REC	FY 2020 MTR REPLACEMENT 3" (1) 6" (1)	\$11,944	\$2,389	\$13,300	\$2,660	\$10,640
727307	METERS-REC	RECYCLED RETROFITS	\$51,892	\$20,757	\$58,621	\$23,448	\$35,173
727305	METERS-REC	RECYCLED RETROFITS - 2" & UNDERS	\$56,315	\$28,158	\$65,279	\$32,640	\$32,640
727306	METERS-REC	RECYCLED RETROFITS - OVER 2"	\$6,519	\$3,260	\$7,557	\$3,778	\$3,778
727304	METERS-REC	FY 2017 METERS - 2" AND LESS	\$5,550	\$3,330	\$6,715	\$4,029	\$2,686
727302	METERS-REC	6" OCTAVE METER	\$3,838	\$2,303	\$4,643	\$2,786	\$1,857
727301	METERS-REC	Meters FY 2013	\$53,880	\$48,492	\$70,528	\$63,475	\$7,053
202114	OFFC FURN/EQUIP	HQ FACILITIES ENHANCEMENTS	\$44,173	\$17,669	\$49,423	\$19,769	\$29,654
248504	OFFC FURN/EQUIP	Times Two Files	\$21,234	\$19,111	\$34,963	\$31,467	\$3,496
248506	OFFC FURN/EQUIP	Expansion/Renovation	\$68,612	\$61,751	\$112,973	\$101,675	\$11,297
248507	OFFC FURN/EQUIP	Expansion/Renovation	\$68,612	\$41,167	\$112,973	\$67,784	\$45,189
238506	OFFC FURN/EQUIP	Wtp - Furniture	\$18,642	\$14,168	\$33,385	\$25,373	\$8,012
238507	OFFC FURN/EQUIP	Wtp - Furniture	\$50,000	\$27,143	\$89,545	\$48,610	\$40,935
202140	OFFIC F&E	OMWD HQ - OFFICE FURNITURE (CAP FEES)	\$137,242	\$54,897	\$153,555	\$61,422	\$92,133
212215	PUMP STNS,ETC.	VAULT UPGRADES	\$19,700	\$1,313	\$20,395	\$1,360	\$19,035
212217	PUMP STNS,ETC.	PUMPS & MOTORS FY2122	\$62,720	\$4,181	\$64,933	\$4,329	\$60,604
212216	PUMP STNS,ETC.	GOLEM PUMP STATION REPLACEMENT	\$27,820	\$1,855	\$28,801	\$1,920	\$26,881
202148	PUMP STNS,ETC.	VAULT UPGRADES	\$58,175	\$7,757	\$65,090	\$8,679	\$56,411
202150	PUMP STNS,ETC.	CIELO GENERATOR SWITCH	\$12,970	\$1,729	\$14,512	\$1,935	\$12,577
202149	PUMP STNS,ETC.	GOLEM PUMP STATION	\$362,266	\$18,113	\$405,326	\$20,266	\$385,059
297860	PUMP STNS,ETC.	PUMP CONTROLS - THORNTON	\$22,081	\$6,624	\$24,588	\$7,376	\$17,212
297859	PUMP STNS,ETC.	VAULTS (6) FLOOR LINERS	\$86,554	\$25,966	\$96,383	\$28,915	\$67,468
297858	PUMP STNS,ETC.	RANCHO LAKES PUMP CONTROLS	\$12,809	\$3,843	\$14,264	\$4,279	\$9,985
730058	PUMP STNS,ETC.	VAULT FLOOR LINER - THORNTON P/S	\$16,944	\$4,518	\$19,141	\$5,104	\$14,037
730057	PUMP STNS,ETC.	CONNEMARA BLADDERS	\$20,796	\$11,883	\$23,493	\$13,424	\$10,068

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
730055	PUMP STNS,ETC.	VALES I PRS	\$814,351	\$162,870	\$943,969	\$188,794	\$755,175
730056	PUMP STNS,ETC.	CIELO PUMP STATION CONTROLS	\$157,404	\$52,468	\$182,458	\$60,819	\$121,638
730053	PUMP STNS,ETC.	VAULT FLOOR LINERS (9)	\$53,159	\$31,895	\$64,318	\$38,591	\$25,727
730054	PUMP STNS,ETC.	4S WATER PR STATION PEDESTAL	\$10,522	\$6,313	\$12,731	\$7,639	\$5,092
730052	PUMP STNS,ETC.	VAULT LINERS	\$45,356	\$27,213	\$54,877	\$32,926	\$21,951
297301	PUMP STNS,ETC.	El Cmno Del Norte Cla-Valves	\$9,483	\$6,164	\$13,082	\$8,504	\$4,579
287302	PUMP STNS,ETC.	Maryloyd Pump Sta Switch Gear	\$46,287	\$32,401	\$67,381	\$47,167	\$20,214
287303	PUMP STNS,ETC.	Cielo Booster #1-Turbine Pump	\$6,626	\$4,638	\$9,645	\$6,752	\$2,894
267301	PUMP STNS,ETC.	Potable Pump Station	\$526,962	\$210,785	\$831,664	\$332,666	\$498,998
730501	PUMP STNS,ETC.	Excess Treated Wtr Investment	\$738,637	\$251,137	\$1,200,492	\$408,167	\$792,325
247301	PUMP STNS,ETC.	Unit H Deepwell	\$70,284	\$42,170	\$115,724	\$69,435	\$46,290
247303	PUMP STNS,ETC.	520 Vault Prs Const	\$353,990	\$159,296	\$582,858	\$262,286	\$320,572
237302	PUMP STNS,ETC.	Rancho Lakes Ps	\$48,499	\$30,716	\$86,858	\$55,010	\$31,848
227301	PUMP STNS,ETC.	Thornton Pump Stat	\$645,602	\$430,401	\$1,176,360	\$784,240	\$392,120
730018	PUMP STNS,ETC.	Pump & Chlorine Sta	\$38,844	\$37,549	\$80,884	\$78,188	\$2,696
730017	PUMP STNS,ETC.	Pump & Chlor Sta #92	\$190,577	\$142,932	\$404,915	\$303,686	\$101,229
727303	PUMP STNS-REC	VILLAGE PARK RECYCLED PUMP STATION	\$807,362	\$242,209	\$976,852	\$293,056	\$683,796
297306	PUMP STNS-REC	RECYCLED FILL STATION	\$97,165	\$58,299	\$117,563	\$70,538	\$47,025
297304	PUMP STNS-REC	Santa Fe Valley Pump Station Valve	\$15,312	\$7,145	\$18,808	\$8,777	\$10,031
297305	PUMP STNS-REC	Santa Fe Valley Pump Station Solar Sys	\$31,226	\$14,572	\$38,356	\$17,900	\$20,457
294503	PUMP STNS-REC	Flow Meter @ Mahr	\$235,000	\$152,750	\$324,207	\$210,735	\$113,472
294501	PUMP STNS-REC	Prs @ Calle Barcelona	\$187,500	\$121,875	\$258,676	\$168,139	\$90,537
294502	PUMP STNS-REC	Prs @ Calle Acervo	\$211,000	\$137,150	\$291,096	\$189,213	\$101,884
284501	PUMP STNS-REC	Crosby Prs	\$107,819	\$75,473	\$156,955	\$109,868	\$47,086
274501	PUMP STNS-REC	Santa Fe Valley Pump Station	\$564,436	\$169,331	\$859,816	\$257,945	\$601,871
212214	RESERVOIRS	CONCRETE TANKS REHAB	\$198,579	\$19,858	\$205,584	\$20,558	\$185,026
202146	RESERVOIRS	CONCRETE TANKS REHAB STUDY (GATY II)	\$58,928	\$11,786	\$65,933	\$13,187	\$52,746
297829	RESERVOIRS	CHAIN LINK INSTALLATION	\$8,768	\$2,338	\$9,905	\$2,641	\$7,264
297814	RESERVOIRS	GATY DRIVEWAY OVERLAY	\$23,103	\$7,701	\$26,780	\$8,927	\$17,853
297815	RESERVOIRS	GATY I & II IRRIGATION REPLACEMENT	\$40,852	\$20,426	\$47,354	\$23,677	\$23,677
297813	RESERVOIRS	ROGER MILLER IRRIGATION REPLACEMENT	\$11,850	\$5,925	\$13,736	\$6,868	\$6,868
297805	RESERVOIRS	WIEGAND RESERVOIR IRRIGATION	\$15,011	\$9,007	\$18,162	\$10,897	\$7,265
297806	RESERVOIRS	ROGER MILLER INLET PIPELINE	\$23,469	\$7,041	\$28,396	\$8,519	\$19,877
297807	RESERVOIRS	4G RESERVOIR REPLACEMENT	\$207,374	\$31,106	\$250,908	\$37,636	\$213,272
717102	RESERVOIRS	Emerg Generators (Denk,Gano,Peay,4S)	\$22,662	\$10,575	\$27,837	\$12,990	\$14,846
297112	RESERVOIRS	Gaty Check Valve Rehab	\$266,952	\$96,103	\$349,435	\$125,797	\$223,639
297107	RESERVOIRS	Lux Canyon Prs Replacement	\$357,536	\$107,261	\$484,098	\$145,229	\$338,869
297108	RESERVOIRS	Dove Hollow Prs	\$569,468	\$170,840	\$771,051	\$231,315	\$539,735
297103	RESERVOIRS	Lusardi #1 Vault Rehab	\$85,532	\$25,660	\$115,810	\$34,743	\$81,067
287101	RESERVOIRS	Wiegand Outlet Piping	\$42,934	\$12,021	\$62,499	\$17,500	\$45,000
267101	RESERVOIRS	Avd Diestra Pr Stat	\$177,791	\$71,116	\$280,595	\$112,238	\$168,357
267102	RESERVOIRS	Denk Inlet Flow Cntl	\$438,852	\$175,541	\$692,607	\$277,043	\$415,564
267103	RESERVOIRS	Gano Rsvr Construct	\$7,604,722	\$1,622,341	\$12,001,966	\$2,560,419	\$9,441,546
267104	RESERVOIRS	Gano Rsvr Equipment	\$47,367	\$30,315	\$74,756	\$47,844	\$26,912
267105	RESERVOIRS	Gano Rsvr Piping	\$160,000	\$51,200	\$252,516	\$80,805	\$171,711
267106	RESERVOIRS	Gano Rsvr Cntl Valve	\$401,680	\$128,538	\$633,941	\$202,861	\$431,080
257101	RESERVOIRS	Zorro Rehab	\$1,271,714	\$720,638	\$2,066,891	\$1,171,238	\$895,653
257102	RESERVOIRS	Zorro Prs	\$492,789	\$279,247	\$800,921	\$453,855	\$347,066
247102	RESERVOIRS	Wiegand Rsvr Struct	\$238,410	\$107,285	\$392,551	\$176,648	\$215,903
710071	RESERVOIRS	Gaty I Repairs '96	\$18,020	\$7,809	\$37,061	\$16,060	\$21,002

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
710073	RESERVOIRS	R.S.F.Security Tie-In	\$2,041	\$885	\$4,199	\$1,819	\$2,379
710069	RESERVOIRS	Cathodic Protect '95	\$192,912	\$86,811	\$398,719	\$179,424	\$219,295
710070	RESERVOIRS	Resr & Tanks Design	\$437,709	\$196,969	\$904,673	\$407,103	\$497,570
710062	RESERVOIRS	Wanket Tank Repair	\$88,824	\$45,892	\$196,731	\$101,644	\$95,087
710064	RESERVOIRS	Resv & Tanks - Boyle	\$6,788	\$3,507	\$15,034	\$7,768	\$7,267
710065	RESERVOIRS	Resv & Tanks-Twining	\$11,629	\$6,008	\$25,755	\$13,307	\$12,448
710066	RESERVOIRS	R&T - Nowel-Thompson	\$2,300	\$1,188	\$5,094	\$2,632	\$2,462
710067	RESERVOIRS	4-S Ranch-Landscape	\$16,646	\$8,600	\$36,868	\$19,049	\$17,820
710057	RESERVOIRS	Wanket Tank Repair	\$4,960	\$2,645	\$11,160	\$5,952	\$5,208
710060	RESERVOIRS	Reservoir & Tanks	\$7,292	\$3,889	\$16,408	\$8,751	\$7,657
710053	RESERVOIRS	Maryloyd	\$28,132	\$15,941	\$65,754	\$37,261	\$28,494
710037	RESERVOIRS	Palm Res-Landscape	\$5,403	\$3,726	\$14,769	\$10,186	\$4,584
710038	RESERVOIRS	Gaty li Reservoir	\$17,151	\$11,627	\$46,885	\$31,787	\$15,099
710033	RESERVOIRS	Gaty li Res-Initial	\$2,987,530	\$2,041,479	\$8,893,866	\$6,077,475	\$2,816,391
710034	RESERVOIRS	Gaty li- Int Cap	\$77,557	\$52,997	\$230,887	\$157,773	\$73,114
710028	RESERVOIRS	Palms Reservoir li	\$350,902	\$245,631	\$1,153,770	\$807,639	\$346,131
710016	RESERVOIRS	Wanket Tank	\$45,267	\$32,441	\$167,800	\$120,257	\$47,543
710015	RESERVOIRS	Additions F/Y 78	\$17,122	\$12,556	\$67,505	\$49,504	\$18,001
710012	RESERVOIRS	Wanket Tank	\$358,660	\$274,973	\$2,014,927	\$1,544,777	\$470,150
710009	RESERVOIRS	Wanket Tank Unit "J"	\$12,777	\$10,009	\$77,913	\$61,032	\$16,881
710001	RESERVOIRS	200' Reservoir Palms #1	\$58,304	\$53,445	\$732,255	\$671,234	\$61,021
710003	RESERVOIRS	Gaty Reservoir	\$202,475	\$199,100	\$3,031,204	\$2,980,684	\$50,520
710006	RESERVOIRS	Maryloyd Reservoir	\$31,172	\$30,652	\$466,668	\$458,891	\$7,778
710007	RESERVOIRS	Golem Reservoir	\$56,988	\$56,038	\$853,153	\$838,934	\$14,219
727109	RESERVOIRS-RC	Pond Driveway Expansion	\$18,400	\$6,624	\$24,085	\$8,671	\$15,415
727110	RESERVOIRS-RC	Pond Fencing/Landscape Imprvmt	\$28,898	\$17,339	\$37,828	\$22,697	\$15,131
202147	RESERVOIRS-REC	STORAGE POND LANDSCAPE	\$364,348	\$72,870	\$407,655	\$81,531	\$326,124
297830	RESERVOIRS-REC	STORAGE POND LANDSCAPE	\$30,017	\$12,007	\$33,909	\$13,564	\$20,345
727111	RESERVOIRS-REC	WIEGAND RESERVOIR CONVERSION	\$123,823	\$37,147	\$149,817	\$44,945	\$104,872
727112	RESERVOIRS-REC	STORAGE POND ACCESS RD	\$424,995	\$169,998	\$514,214	\$205,686	\$308,529
727102	RESERVOIRS-REC	Storage Pond Const	\$764,777	\$244,729	\$1,206,990	\$386,237	\$820,753
727104	RESERVOIRS-REC	Storage Pond Struct	\$1,802,242	\$576,718	\$2,844,344	\$910,190	\$1,934,154
727105	RESERVOIRS-REC	Storage Pond Sprnklr	\$202,707	\$129,732	\$319,917	\$204,747	\$115,170
940001	SEWER LATERALS	Building J Lateral	\$277,299	\$76,257	\$372,130	\$102,336	\$269,794
202101	SHOP/FIELDEQUIP	LINE LOCATING EQUIPMENT	\$6,911	\$2,764	\$7,732	\$3,093	\$4,639
297874	SHOP/FIELDEQUIP	CANYCOM BFP 602HB POWERED WHEELBARROW	\$7,540	\$3,232	\$8,397	\$3,599	\$4,798
297876	SHOP/FIELDEQUIP	TIRE WHEEL BALANCER	\$6,196	\$2,655	\$6,899	\$2,957	\$3,942
297877	SHOP/FIELDEQUIP	LINE LOCATING EQUIPMENT	\$5,920	\$3,552	\$6,592	\$3,955	\$2,637
820528	SHOP/FIELDEQUIP	SC200 CONTROLLER (WTP)	\$2,191	\$876	\$2,475	\$990	\$1,485
820529	SHOP/FIELDEQUIP	TU5400 TURBIDMETER (WTP)	\$7,158	\$2,863	\$8,086	\$3,234	\$4,852
820530	SHOP/FIELDEQUIP	TU5400 TURBIDITY ANALYZER (WTP)	\$7,278	\$2,911	\$8,222	\$3,289	\$4,933
820531	SHOP/FIELDEQUIP	DEPOLOX FREE CL2 ANALYZER (WTP)	\$6,070	\$2,428	\$6,857	\$2,743	\$4,114
820532	SHOP/FIELDEQUIP	GANTRY CRANE 4,000 LB (WTP)	\$7,498	\$2,999	\$8,470	\$3,388	\$5,082
820533	SHOP/FIELDEQUIP	FALL RETRIEVAL SYSTEM (WTP)	\$9,735	\$2,596	\$10,998	\$2,933	\$8,065
8205034	SHOP/FIELDEQUIP	CANDLE ASSEMBLY (WTP)	\$24,996	\$6,666	\$28,237	\$7,530	\$20,707
820520	SHOP/FIELDEQUIP	WTP CONDUCTIVITY PROBE/CONTROLLER	\$5,080	\$2,540	\$5,889	\$2,944	\$2,944
820468	SHOP/FIELDEQUIP	ELECTRICAL INSTALLATION	\$9,098	\$5,459	\$11,008	\$6,605	\$4,403
820492	SHOP/FIELDEQUIP	SURVEILLANCE SYSTEM UPGRADES	\$40,912	\$24,547	\$49,501	\$29,700	\$19,800
208242	SHOP/FIELDEQUIP	4000A Reconditioned Breaker	\$15,485	\$7,226	\$19,021	\$8,876	\$10,144
208243	SHOP/FIELDEQUIP	Wachs HPU-750 Hydraulic Pump	\$5,872	\$4,110	\$7,213	\$5,049	\$2,164

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Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
208246	SHOP/FIELDEQUIP	4" Sensus Meter Tester	\$9,458	\$4,414	\$11,617	\$5,421	\$6,196
208235	SHOP/FIELDEQUIP	Unit Z Pumps	\$45,636	\$24,339	\$57,319	\$30,570	\$26,749
258220	SHOP/FIELDEQUIP	Cathodic Test Sta	\$41,725	\$35,467	\$67,815	\$57,643	\$10,172
258222	SHOP/FIELDEQUIP	Lone Jack Rd Hydrant	\$15,543	\$13,211	\$25,262	\$21,472	\$3,789
728231	SHOP/FIELD-REC	4S I RECYCLED CLA VALVES	\$6,934	\$3,467	\$8,037	\$4,019	\$4,019
728232	SHOP/FIELD-REC	TURBINE PUMP	\$14,998	\$7,499	\$17,386	\$8,693	\$8,693
728235	SHOP/FIELD-REC	REPLACEMENT BLADDER - SFV RAW WTR PS	\$22,089	\$15,778	\$25,605	\$18,289	\$7,316
728230	SHOP/FIELD-REC	WIEGAND RESERVOIR IRRIGATION PUMP	\$9,315	\$5,589	\$11,271	\$6,762	\$4,508
728228	SHOP/FIELD-REC	SAMPLE COLLECTION EQUIPMENT	\$7,146	\$6,125	\$8,647	\$7,411	\$1,235
728229	SHOP/FIELD-REC	LINER FLOOR OF PUMP STATION	\$6,237	\$5,346	\$7,546	\$6,468	\$1,078
728226	SHOP/FIELD-REC	SOLAR BEE WATER MIXER @ WW	\$68,273	\$27,309	\$82,606	\$33,042	\$49,564
728224	SHOP/FIELD-REC	Wachs HPU-750 Hydraulic Pump	\$1,957	\$1,370	\$2,404	\$1,683	\$721
728202	SHOP/FIELD-REC	Rcyld Sys Equipment	\$257,006	\$137,070	\$405,613	\$216,327	\$189,286
710063	STEEL RESERVRS	Weigand & Denk Tank	\$20,544	\$10,614	\$45,502	\$23,509	\$21,992
710058	STEEL RESERVRS	Weigand & Denk Tank	\$181,757	\$96,937	\$408,981	\$218,123	\$190,858
710059	STEEL RESERVRS	Peay Reservoir	\$518,896	\$276,744	\$1,167,595	\$622,717	\$544,878
710061	STEEL RESERVRS	4-S Ranch Reservoir	\$1,265,420	\$674,891	\$2,847,388	\$1,518,607	\$1,328,781
710054	STEEL RESERVRS	Peay Reservoir - Paint Mtn	\$5,362,516	\$2,949,384	\$12,493,259	\$6,871,293	\$5,621,967
710041	STEEL RESERVRS	Zorro Reservoir	\$402,060	\$261,339	\$1,070,965	\$696,127	\$374,838
710039	STEEL RESERVRS	Roger Miller Res	\$39,516	\$26,790	\$108,026	\$73,238	\$34,788
710040	STEEL RESERVRS	Denk Reservoir	\$2,112,243	\$1,408,162	\$5,774,321	\$3,849,547	\$1,924,774
710032	STEEL RESERVRS	Roger Miller Res-Int	\$1,368,254	\$934,973	\$4,073,286	\$2,783,412	\$1,289,874
710035	STEEL RESERVRS	R.Miller Res-Int Cap	\$43,454	\$29,694	\$129,362	\$88,398	\$40,965
710002	STEEL RESERVRS	400' Reservoir Zorro	\$71,012	\$65,094	\$891,858	\$817,537	\$74,322
710004	STEEL RESERVRS	Wiegand Reservoir	\$64,745	\$61,508	\$899,405	\$854,435	\$44,970
727101	STEEL RSVR RECY	Thelma Miller Rsvr	\$1,095,453	\$350,545	\$1,728,872	\$553,239	\$1,175,633
727106	STEEL RSVR RECY	T.Miller Rsvr Int	\$119,525	\$38,248	\$188,637	\$60,364	\$128,273
410505	STUDY COSTS-REC	Implement Recycled	\$32,547	\$27,408	\$51,366	\$43,256	\$8,110
410502	STUDY COSTS-REC	Recycled Agreement	\$420,735	\$357,625	\$683,813	\$581,241	\$102,572
212223	TREATMENT PLANT	CHEMICAL SYSTEM UPDATE	\$5,895	\$590	\$6,103	\$610	\$5,493
212224	TREATMENT PLANT	MEMBRANE REPLACEMENT	\$747,271	\$74,727	\$773,632	\$77,363	\$696,269
212225	TREATMENT PLANT	CHLORINE GENERATION CELL	\$22,804	\$2,280	\$23,608	\$2,361	\$21,247
212226	TREATMENT PLANT	TRAIN 9 CONTROL WIRING	\$36,139	\$3,614	\$37,414	\$3,741	\$33,672
202159	TREATMENT PLANT	CHEMICAL SYSTEM UPDATE	\$453,961	\$90,792	\$507,920	\$101,584	\$406,336
202160	TREATMENT PLANT	VALVE ACTUATORS	\$23,064	\$4,613	\$25,805	\$5,161	\$20,644
202161	TREATMENT PLANT	TRAINS 9 & 10 - VALVES	\$43,847	\$8,769	\$49,059	\$9,812	\$39,247
202162	TREATMENT PLANT	MEMBRANES	\$681,754	\$136,351	\$762,789	\$152,558	\$610,231
202163	TREATMENT PLANT	PUMPS & MOTORS	\$9,810	\$1,962	\$10,976	\$2,195	\$8,781
297863	TREATMENT PLANT	RECOAT EQUIPMENT	\$23,936	\$7,181	\$26,654	\$7,996	\$18,658
297864	TREATMENT PLANT	SETTLER UNIT 3	\$153,683	\$46,105	\$171,134	\$51,340	\$119,794
297865	TREATMENT PLANT	VALVE ACTUATORS	\$235,919	\$70,776	\$262,708	\$78,812	\$183,896
297866	TREATMENT PLANT	STRUCTURAL ENGINEERING	\$17,828	\$3,566	\$19,852	\$3,970	\$15,882
297867	TREATMENT PLANT	MEMBRANES - TRAIN 8	\$668,289	\$200,487	\$744,176	\$223,253	\$520,923
297869	TREATMENT PLANT	REPLACE PUMP AND MOTORS	\$60,068	\$18,020	\$66,888	\$20,067	\$46,822
295054	TREATMENT PLANT	RECOAT EQUIPMENT	\$27,990	\$11,196	\$31,620	\$12,648	\$18,972
295055	TREATMENT PLANT	HVAC SYSTEM	\$142,369	\$37,965	\$160,831	\$42,888	\$117,943
295056	TREATMENT PLANT	SETTLER UNIT 1	\$95,546	\$25,479	\$107,937	\$28,783	\$79,154
295057	TREATMENT PLANT	SETTLER UNIT 3	\$85,041	\$22,678	\$96,069	\$25,618	\$70,451
295058	TREATMENT PLANT	SEWER SYS (BLDG) REHAB	\$206,441	\$33,031	\$233,213	\$37,314	\$195,899
295059	TREATMENT PLANT	TRANSFORMER REPLACEMENT	\$33,800	\$9,013	\$38,183	\$10,182	\$28,001

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
295060	TREATMENT PLANT	MAIN COMPRESSOR	\$151,743	\$40,465	\$171,420	\$45,712	\$125,708
295061	TREATMENT PLANT	STRAINER ISOLATION VALVE	\$134,751	\$35,934	\$152,226	\$40,594	\$111,632
295062	TREATMENT PLANT	STREAMING CURRENT MONITOR #2	\$19,442	\$7,777	\$21,963	\$8,785	\$13,178
295063	TREATMENT PLANT	SOLENOID REPLACEMENT	\$26,204	\$10,482	\$29,602	\$11,841	\$17,761
295064	TREATMENT PLANT	MEMBRANES - TRAIN 7	\$609,254	\$243,702	\$688,262	\$275,305	\$412,957
295065	TREATMENT PLANT	MEMBRANES - TRAIN 3	\$612,716	\$245,087	\$692,173	\$276,869	\$415,304
295066	TREATMENT PLANT	SECURITY CAMERAS (SECURITY CAMERA KING)	\$12,033	\$9,627	\$13,594	\$10,875	\$2,719
295067	TREATMENT PLANT	PUMP & MOTORS REPLACEMENT	\$30,387	\$12,155	\$34,328	\$13,731	\$20,597
295048	TREATMENT PLANT	AMMONIA SYSTEM EQUIPMENT	\$86,684	\$43,342	\$100,481	\$50,241	\$50,241
295049	TREATMENT PLANT	VARIABLE FEQUENCY DRIVES (VFD'S)	\$82,455	\$41,228	\$95,580	\$47,790	\$47,790
295050	TREATMENT PLANT	HYPOCHLORITE TANK	\$55,191	\$27,596	\$63,976	\$31,988	\$31,988
295052	TREATMENT PLANT	THM ANALYZER (NEW)	\$68,101	\$34,051	\$78,941	\$39,470	\$39,470
295053	TREATMENT PLANT	TRAIN 7 BASIN REFURBISHED	\$35,961	\$11,987	\$41,685	\$13,895	\$27,790
295041	TREATMENT PLANT	DIST SYS PROGRAM LOGIC CONTROLLERS	\$10,858	\$6,515	\$13,137	\$7,882	\$5,255
295042	TREATMENT PLANT	VARIABLE FREQUENCY DRIVES (VFD'S) PUMPS	\$137,467	\$82,480	\$166,325	\$99,795	\$66,530
295043	TREATMENT PLANT	BRINE TANK	\$49,692	\$19,877	\$60,124	\$24,050	\$36,074
295045	TREATMENT PLANT	PUMPS & MOTORS	\$33,846	\$20,307	\$40,951	\$24,571	\$16,380
295047	TREATMENT PLANT	MEMBRANES - TRAIN 1	\$555,852	\$333,511	\$672,543	\$403,526	\$269,017
295037	TREATMENT PLANT	DIST SYSTEM PGM LOGIC CONTROLLERS-PLC'S	\$98,977	\$49,488	\$119,755	\$59,878	\$59,878
295038	TREATMENT PLANT	VARIABLE FREQUENCY DRIVES (VFD'S)	\$290,487	\$174,292	\$351,469	\$210,881	\$140,588
295039	TREATMENT PLANT	PUMP & MOTORS	\$30,198	\$18,119	\$36,538	\$21,923	\$14,615
295040	TREATMENT PLANT	MEMBRANES	\$1,237,038	\$742,223	\$1,496,730	\$898,038	\$598,692
295035	TREATMENT PLANT	Hypochlorite Generation System Upgrades	\$535,059	\$374,541	\$657,245	\$460,072	\$197,174
295036	TREATMENT PLANT	Solenoid Valve Replacements	\$78,569	\$45,832	\$96,511	\$56,298	\$40,213
295027	TREATMENT PLANT	420 ZW-500D Membranes	\$507,963	\$451,522	\$637,997	\$567,109	\$70,889
295028	TREATMENT PLANT	21 20-Module ZW 500D Cassettes	\$299,809	\$119,924	\$376,558	\$150,623	\$225,935
295030	TREATMENT PLANT	Hypochlorite Tanks	\$321,741	\$171,595	\$404,105	\$215,523	\$188,582
295031	TREATMENT PLANT	Fluoridation System - Building	\$644,116	\$171,764	\$809,005	\$215,735	\$593,271
295032	TREATMENT PLANT	Fluoridation System - Equipment & Pumps	\$648,094	\$345,650	\$814,002	\$434,134	\$379,868
295033	TREATMENT PLANT	Turbines	\$1,240,397	\$661,545	\$1,557,930	\$830,896	\$727,034
295034	TREATMENT PLANT	Turbines	\$1,240,397	\$330,773	\$1,557,930	\$415,448	\$1,142,482
295017	TREATMENT PLANT	Vinyl Automated Double Gate	\$34,419	\$12,391	\$45,054	\$16,220	\$28,835
295018	TREATMENT PLANT	Via Ambiente Gate	\$25,714	\$9,257	\$33,659	\$12,117	\$21,542
295019	TREATMENT PLANT	Element Strainers (3)	\$279,964	\$167,978	\$366,468	\$219,881	\$146,587
295020	TREATMENT PLANT	Membranes	\$141,904	\$127,714	\$185,750	\$167,175	\$18,575
295021	TREATMENT PLANT	Lt2 Equipment	\$672,536	\$302,641	\$880,339	\$396,152	\$484,186
295022	TREATMENT PLANT	Residual Handling Building	\$2,533,360	\$456,005	\$3,316,125	\$596,902	\$2,719,222
295023	TREATMENT PLANT	Steel Water Storage Tanks	\$1,724,268	\$310,368	\$2,257,037	\$406,267	\$1,850,771
295024	TREATMENT PLANT	Lt2 Upgrades	\$19,808,088	\$3,565,456	\$25,928,449	\$4,667,121	\$21,261,328
295025	TREATMENT PLANT	Lt2 Capitalized Interest	\$1,052,928	\$189,527	\$1,378,265	\$248,088	\$1,130,178
295026	TREATMENT PLANT	Lt2 Materials	\$107,262	\$96,536	\$140,405	\$126,364	\$14,040
295014	TREATMENT PLANT	Clortec Ct-750 Cell	\$25,029	\$13,766	\$33,588	\$18,473	\$15,115
295016	TREATMENT PLANT	Frame - Zw-500D Modules (40)	\$581,830	\$320,007	\$780,805	\$429,443	\$351,362
295012	TREATMENT PLANT	Cla Valve Check Valves	\$27,983	\$8,395	\$37,888	\$11,366	\$26,522
295013	TREATMENT PLANT	Clean In Place Heating System	\$35,100	\$21,060	\$47,525	\$28,515	\$19,010
295002	TREATMENT PLANT	Wtp Gate	\$75,695	\$39,362	\$104,429	\$54,303	\$50,126
295005	TREATMENT PLANT	Cassette Frames 500D(20'S) 72	\$1,002,802	\$521,457	\$1,383,469	\$719,404	\$664,065
295006	TREATMENT PLANT	Feed Channel Baffle Wall	\$75,339	\$39,176	\$103,938	\$54,048	\$49,890
295007	TREATMENT PLANT	Crane & Hoist	\$29,759	\$15,475	\$41,056	\$21,349	\$19,707
285002	TREATMENT PLANT	Control Instrumentation	\$80,670	\$56,469	\$117,433	\$82,203	\$35,230

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
285003	TREATMENT PLANT	Basin Walls Resurfacing	\$271,851	\$76,118	\$395,741	\$110,807	\$284,933
285004	TREATMENT PLANT	Ammonia Treatment Facility	\$2,277,932	\$637,821	\$3,316,040	\$928,491	\$2,387,549
265001	TREATMENT PLANT	Back-Pulse Tanks	\$301,638	\$193,048	\$476,053	\$304,674	\$171,379
265002	TREATMENT PLANT	Fish Screens	\$645,396	\$104,306	\$1,018,581	\$164,619	\$853,962
265003	TREATMENT PLANT	Fencing	\$23,297	\$14,910	\$36,768	\$23,531	\$13,236
265004	TREATMENT PLANT	Trains-Rplc/Coat	\$234,942	\$93,977	\$370,792	\$148,317	\$222,475
255001	TREATMENT PLANT	Emerg Generation Sys	\$248,261	\$168,818	\$403,494	\$274,376	\$129,118
255002	TREATMENT PLANT	Aeration System	\$63,708	\$43,322	\$103,544	\$70,410	\$33,134
255003	TREATMENT PLANT	Flow Control Fac #8	\$759,916	\$516,743	\$1,235,075	\$839,851	\$395,224
255004	TREATMENT PLANT	Flow Control Fac #8	\$759,916	\$258,371	\$1,235,075	\$419,926	\$815,150
255005	TREATMENT PLANT	Flow Control Fac #8	\$759,916	\$172,248	\$1,235,075	\$279,950	\$955,125
245006	TREATMENT PLANT	Circuit Breakers Vfd	\$84,424	\$50,655	\$139,008	\$83,405	\$55,603
245007	TREATMENT PLANT	Gravity Settler	\$105,099	\$63,060	\$173,050	\$103,830	\$69,220
245008	TREATMENT PLANT	Wtp Elec Supply	\$100,000	\$36,000	\$164,654	\$59,275	\$105,378
245009	TREATMENT PLANT	Equalization Tank	\$73,769	\$66,392	\$121,463	\$109,317	\$12,146
245010	TREATMENT PLANT	Equalization Tank	\$73,769	\$33,196	\$121,463	\$54,658	\$66,805
245012	TREATMENT PLANT	Wtp Trains 9 & 10	\$166,660	\$74,997	\$274,412	\$123,485	\$150,926
245014	TREATMENT PLANT	9.0 Mgd Expansion	\$1,349,191	\$693,870	\$2,221,491	\$1,142,481	\$1,079,010
245015	TREATMENT PLANT	9.0 Mgd Expansion	\$1,892,689	\$681,368	\$3,116,380	\$1,121,897	\$1,994,483
238109	TREATMENT PLANT	Wtp - Building	\$917,570	\$697,353	\$1,643,276	\$1,248,890	\$394,386
238110	TREATMENT PLANT	Wtp - Building	\$1,143,714	\$620,873	\$2,048,278	\$1,111,923	\$936,356
238111	TREATMENT PLANT	Wtp - Building	\$22,357,212	\$8,495,741	\$40,039,541	\$15,215,025	\$24,824,515
238204	TREATMENT PLANT	Cyclic Aeration	\$694,558	\$527,864	\$1,243,885	\$945,353	\$298,532
238207	TREATMENT PLANT	Centrifuge	\$324,073	\$175,925	\$580,382	\$315,064	\$265,317
238211	TREATMENT PLANT	Membranes	\$437,194	\$415,335	\$782,971	\$743,823	\$39,149
238212	TREATMENT PLANT	Membranes	\$975,125	\$529,354	\$1,746,352	\$948,020	\$798,332
238213	TREATMENT PLANT	Membranes	\$975,125	\$370,548	\$1,746,352	\$663,614	\$1,082,738
400009	TREATMENT PLANT	Wtp Capitalized Int	\$3,829,010	\$1,455,024	\$6,857,375	\$2,605,803	\$4,251,573
			\$ 212,356,039	\$ 81,940,193	\$ 340,513,246	\$ 142,965,675	\$ 197,547,571

APPENDIX C:

Water Pipeline Assets Valuation

Appendix C: Water Pipeline Assets Valuation

Olivenhain Municipal Water District - 2022 Water Capacity Study

Transmission & Distribution Pipeline Costs	Zone A	Zone B	Zone C	Zone D	Zone E	Unknown - Allocated Proportionally	Total
Costs Per Zone	\$484,407,634	\$697,432,677	\$90,643,447	\$327,004,818	\$175,099,681	\$40,072,728	\$1,814,660,985
Percentage of Zone Costs	27%	39%	5%	18%	10%		
Allocated Distributed Pipe Costs - Total	\$495,346,248	\$713,181,699	\$92,690,305	\$334,389,052	\$179,053,681		\$1,814,660,985
Allocated Distributed Pipe Costs - Adj. to RCLD	\$259,778,380	\$374,019,562	\$48,610,315	\$175,366,315	\$93,902,549		\$951,677,120
Calculated of Contributed Assets Percentages	Zone A	Zone B	Zone C	Zone D	Zone E	Total	
Non-Contributed	\$31,535,643	\$27,263,377	\$134,916	\$9,735,805	\$4,379,670		
Contributed Assets	\$24,900,476	\$14,240,068	\$8,065,046	\$21,092,562	\$32,615,409		
Total Assets	\$56,436,119	\$41,503,445	\$8,199,962	\$30,828,367	\$36,995,079		
% - Non-Contributed	56%	66%	2%	32%	12%		
% - Contributed Assets	44%	34%	98%	68%	88%		
Pipeline Replacement Costs Less Depreciation, net CIAC	\$145,160,199	\$245,691,321	\$799,798	\$55,381,856	\$11,116,673		\$458,149,848

Summary Pipeline Assets

RCLD -RC Ratio 52%

Asset Class	Inflate?	Fund	Original Cost	Replacement Cost	Original Cost Less Depreciation	Replacement Cost Less Depreciation	Selection: Replacement Cost Less Depreciation
CNT PIPELINES	Yes	100	\$107,607,281	\$190,008,862	\$63,203,477	\$97,551,798	\$97,551,798
CNT PIPELN EXT	Yes	100	\$12,153,089	\$27,781,606	\$4,812,515	\$8,566,636	\$8,566,636
PIPELINES	Yes	100	\$94,975,690	\$165,212,590	\$64,523,187	\$86,010,210	\$86,010,210
PIPELINES-REC	Yes	120	\$16,682,796	\$21,176,151	\$13,581,262	\$17,084,856	\$17,084,856
CNT PIPELNS-REC	Yes	120	\$13,404,696	\$19,290,543	\$8,993,377	\$12,870,117	\$12,870,117
Total			\$244,823,552	\$423,469,752	\$155,113,818	\$222,083,616	\$222,083,616
			TRUE	TRUE	TRUE	TRUE	

Fund	Original Cost	Replacement Cost	Original Cost Less Depreciation	Replacement Cost Less Depreciation	Selection
100 Water	\$214,736,060	\$383,003,058	\$132,539,179	\$192,128,643	\$192,128,643
120 Recycled Water	\$30,087,492	\$40,466,694	\$22,574,639	\$29,954,974	\$29,954,974
Total	\$244,823,552	\$423,469,752	\$155,113,818	\$222,083,616	\$222,083,616
	TRUE	TRUE	TRUE	TRUE	TRUE

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	212235 CNT PIPELINES	MIRA COSTA COLLEGE B200 FDC INSTALL	20,762	\$519	\$21,494	\$537	\$20,957
	212236 CNT PIPELINES	1509 ENC BLVD FDC & WS INSTALL	36,257	\$906	\$37,536	\$938	\$36,598
	212239 CNT PIPELINES	MIRA COSTA COLLEGE BLDG B100 FDC INSTALL	20,762	\$519	\$21,494	\$537	\$20,957
	212240 CNT PIPELINES	THE BEACON - FDC INSTALL	68,583	\$1,715	\$71,002	\$1,775	\$69,227
	212241 CNT PIPELINES	MAIN EXT 145B - CALLE PONTE BELLA	97,055	\$2,426	\$100,479	\$2,512	\$97,967
	212237 CNT PIPELINES	3281 POPPY HILLS LANE FH INSTALL	13,615	\$340	\$14,095	\$352	\$13,743
	212238 CNT PIPELINES	EXT 246 - DESERT ROSE WAY	108,380	\$2,710	\$112,203	\$2,805	\$109,398
	212234 CNT PIPELINES	16020 VIA DICHA WS INSTALL	11,998	\$300	\$12,421	\$311	\$12,111
	202125 CNT PIPELINES	121 AVENIDA ESPERANZA WS INSTALL	11,840	\$592	\$13,247	\$662	\$12,585
	202126 CNT PIPELINES	504 WHISPERWIND DR WS INSTALL	11,840	\$592	\$13,247	\$662	\$12,585
	202128 CNT PIPELINES	ENCINITAS VILLAGE WS INSTAL	12,008	\$600	\$13,435	\$672	\$12,764
	202129 CNT PIPELINES	THE BEACON FH & WS RELOCATION PJT	12,118	\$606	\$13,558	\$678	\$12,880
	202133 CNT PIPELINES	WESTMONT ENCINITAS FDC & WS (2) INSTALL	46,353	\$2,318	\$51,863	\$2,593	\$49,270
	202123 CNT PIPELINES	6804 CALLE PORTONE 4" FS INSTALL	22,601	\$1,130	\$25,287	\$1,264	\$24,023
	202124 CNT PIPELINES	PARCEL 4 COPPER CREST RD WS INSTALL	12,008	\$600	\$13,435	\$672	\$12,764
	202130 CNT PIPELINES	ELFIN VISTA LN WS RELOCATION	11,840	\$592	\$13,247	\$662	\$12,585
	202131 CNT PIPELINES	1170 VIA DI FELICITA RD WS INSTALL	11,840	\$592	\$13,247	\$662	\$12,585
	202132 CNT PIPELINES	ELFIN VISTA LN FDC & WS INSTALL	33,841	\$1,692	\$37,863	\$1,893	\$35,970
	202134 CNT PIPELINES	2902 & 2920 LONE JACK RD FH & WS INSTALL	37,116	\$1,856	\$41,528	\$2,076	\$39,451
	202127 CNT PIPELINES	8960 MT ISRAEL RD WS INSTALL	12,008	\$600	\$13,435	\$672	\$12,764
	202121 CNT PIPELINES	16591 RIO VISTA WATER SERVICE INSTALL	12,008	\$600	\$13,435	\$672	\$12,764
	202122 CNT PIPELINES	16627 RIO VISTA ROAD FDC & WS INSTALL	34,513	\$1,726	\$38,615	\$1,931	\$36,685
	297930 CNT PIPELINES	FDC DIEGUENO MIDDLE SCHOOL	20,253	\$1,519	\$22,553	\$1,691	\$20,861
	297926 CNT PIPELINES	WS 3800 CANYON DE ORO	11,703	\$878	\$13,032	\$977	\$12,055
	297928 CNT PIPELINES	FH 18490 LAGO VISTA (LOT 23)	13,280	\$996	\$14,788	\$1,109	\$13,679
	297933 CNT PIPELINES	FS 2" 18568 CALLE FLORES	12,533	\$940	\$13,956	\$1,047	\$12,909
	297934 CNT PIPELINES	FDC 6847 VIA DEL CHARRO	20,253	\$1,519	\$22,553	\$1,691	\$20,861
	297936 CNT PIPELINES	WS 3456 BUMANN ROAD	11,703	\$878	\$13,032	\$977	\$12,055
	297937 CNT PIPELINES	WS 4180 CANYON DE ORO	11,703	\$878	\$13,032	\$977	\$12,055
	297938 CNT PIPELINES	FH 19828 FORTUNA DEL ESTE	13,280	\$996	\$14,788	\$1,109	\$13,679
	297939 CNT PIPELINES	FH 7499 VISTA RANCHO CT	13,280	\$996	\$14,788	\$1,109	\$13,679
	297900 CNT PIPELINES	WS 9530 MT ISRAEL RD	11,703	\$878	\$13,032	\$977	\$12,055
	297935 CNT PIPELINES	WS (NEW) UPSIZE TO 1" 9433 MT ISRAEL	11,869	\$890	\$13,217	\$991	\$12,226
	297940 CNT PIPELINES	WS REPAIR 2" RANCHO VALENCIA VISTA	5,644	\$423	\$6,285	\$471	\$5,814
	297925 CNT PIPELINES	WS & FDC 16510 ARTESIAN HILLS	31,956	\$2,397	\$35,585	\$2,669	\$32,916
	297927 CNT PIPELINES	FDC HELEN WOODWARD ANIMAL CENTER	21,581	\$1,619	\$24,032	\$1,802	\$22,229
	297929 CNT PIPELINES	WS 16147 VIA DE SANTA FE	11,703	\$878	\$13,032	\$977	\$12,055
	297931 CNT PIPELINES	WS 7533 DEL DIOS HWY	24,984	\$1,874	\$27,821	\$2,087	\$25,734
	297932 CNT PIPELINES	WS & FDC 16413 RIO VISTA RD	34,114	\$2,559	\$37,988	\$2,849	\$35,139
	760234 CNT PIPELINES	WTR SVC (2) ENC VILL SQ PHASE 2	11,732	\$1,173	\$13,253	\$1,325	\$11,928
	760238 CNT PIPELINES	WATER SERVICE - 3111 CADENCIA STREEET	8,861	\$886	\$10,010	\$1,001	\$9,009
	760235 CNT PIPELINES	WATER SERVICE - 3453 BUMANN RD	11,732	\$1,173	\$13,253	\$1,325	\$11,928
	760237 CNT PIPELINES	WATER SERVICE - 9545 MT ISRAEL ROAD	11,568	\$1,157	\$13,068	\$1,307	\$11,761
	760236 CNT PIPELINES	WATER SERVICE - BIANCAMANO PARCEL	11,568	\$1,157	\$13,068	\$1,307	\$11,761
	760231 CNT PIPELINES	BERRYMAN CANYON ENCLAVE PHASE 1	255,101	\$31,888	\$295,705	\$36,963	\$258,742
	760232 CNT PIPELINES	BERRYMAN CANYON ENCLAVE PHASE 2	50,679	\$6,335	\$58,745	\$7,343	\$51,402

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760233	CNT PIPELINES	BERRYMAN CANYON ENCLAVE PHASE 3	51,957	\$6,495	\$60,227	\$7,528	\$52,699
760229	CNT PIPELINES	FAIR OAKS VALLEY	809,147	\$101,143	\$937,938	\$117,242	\$820,695
760230	CNT PIPELINES	RANCHO SANTA FE FARMS RD REALIGNMENT	147,470	\$18,434	\$170,943	\$21,368	\$149,575
760228	CNT PIPELINES	FIRE HYDRANT - 9021 DETWILER RD	11,812	\$1,772	\$14,292	\$2,144	\$12,148
760227	CNT PIPELINES	RANCHO SANTA FE LAKES UNIT 3	1,602,160	\$240,324	\$1,938,503	\$290,775	\$1,647,728
760212	CNT PIPELINES	LA COSTA TOWN SQUARE COMMERCIAL	121,326	\$14,559	\$146,796	\$17,616	\$129,181
760214	CNT PIPELINES	669 RSF RD 1.5" LATERAL	8,420	\$1,010	\$10,188	\$1,223	\$8,965
760215	CNT PIPELINES	GRAUER SCHOOL FDC & WS	23,640	\$2,837	\$28,603	\$3,432	\$25,170
760224	CNT PIPELINES	SDUHS DISTRICT WS & FDC	29,551	\$3,546	\$35,755	\$4,291	\$31,464
760221	CNT PIPELINES	LA COSTA TOWN SQUARE - TAYLOR MORRISON	239,285	\$28,714	\$289,518	\$34,742	\$254,776
760213	CNT PIPELINES	9519 MT ISRAEL RD FH & FS INSTALL	19,750	\$2,370	\$23,896	\$2,868	\$21,029
760217	CNT PIPELINES	7604 TOP O THE MORNING WS RELOCATION	8,421	\$1,011	\$10,189	\$1,223	\$8,966
760216	CNT PIPELINES	CROSBY ENCLAVE	110,413	\$13,250	\$133,592	\$16,031	\$117,561
760218	CNT PIPELINES	16593 FRANZEN FARM RD WS INSTALL	8,421	\$1,011	\$10,189	\$1,223	\$8,966
760219	CNT PIPELINES	LOT 106 CERRO DEL SOL WS RELOCATION	8,421	\$1,011	\$10,189	\$1,223	\$8,966
760220	CNT PIPELINES	RSF LAKES UNIT 4 - PROVINCE COURT	124,521	\$14,943	\$150,662	\$18,079	\$132,582
760223	CNT PIPELINES	6716 POCO LAGO FDC & WS INSTALL	35,935	\$4,312	\$43,479	\$5,217	\$38,261
760226	CNT PIPELINES	RANCHO PASEANA FDC INSTALL	13,295	\$1,595	\$16,086	\$1,930	\$14,156
297670	CNT PIPELINES	204 N El Camino Real FDC	9,000	\$1,260	\$11,055	\$1,548	\$9,508
297672	CNT PIPELINES	La Costa Town Square @ La Costa Ave	583,600	\$81,704	\$716,871	\$100,362	\$616,509
297671	CNT PIPELINES	Rancho Cielo Parcel "M"	493,300	\$69,062	\$605,950	\$84,833	\$521,117
297673	CNT PIPELINES	8948 Mt Israel Rd FDC & WS	21,000	\$2,940	\$25,796	\$3,611	\$22,184
297674	CNT PIPELINES	6415 Rancho Santa Fe Farms Rd Fire Svc	8,200	\$1,148	\$10,073	\$1,410	\$8,662
297675	CNT PIPELINES	4S Ranch Carls JR Wtr Svc Install	10,900	\$1,526	\$13,389	\$1,874	\$11,515
297660	CNT PIPELINES	Westridge - Aryana Drive	181,000	\$28,960	\$227,335	\$36,374	\$190,961
297664	CNT PIPELINES	Lux Institue 4" FDC & 6" Gate Valve	9,000	\$1,440	\$11,304	\$1,809	\$9,495
297669	CNT PIPELINES	Manchester Ave 2 Way Hydrant	10,000	\$1,600	\$12,560	\$2,010	\$10,550
297659	CNT PIPELINES	Rancho Pacifica TM 5148	115,000	\$18,400	\$144,439	\$23,110	\$121,329
297661	CNT PIPELINES	La Costa Town Square 18" PL Relocation	129,000	\$20,640	\$162,023	\$25,924	\$136,099
297667	CNT PIPELINES	Via Roswitha,RSF,TDC,G V & 2 Way Hydrant	18,000	\$2,880	\$22,608	\$3,617	\$18,991
297666	CNT PIPELINES	Rancho Cielo Parcel M	603,000	\$96,480	\$757,364	\$121,178	\$636,186
297658	CNT PIPELINES	Crosby Estates, Emerald Cover, TM 5393-1	226,000	\$36,160	\$283,854	\$45,417	\$238,438
297662	CNT PIPELINES	Rancho Santa Fe Lakes Unit 2, TM 5069	1,139,000	\$182,240	\$1,430,576	\$228,892	\$1,201,684
297665	CNT PIPELINES	Vintage at The Crosby, TM 5073-A	461,000	\$73,760	\$579,013	\$92,642	\$486,371
297668	CNT PIPELINES	7761 Artesian Rd FDC & WS Install	12,000	\$1,920	\$15,072	\$2,412	\$12,660
297663	CNT PIPELINES	Cymer 1" Water Lateral	8,000	\$1,280	\$10,048	\$1,608	\$8,440
297655	CNT PIPELINES	Mission Estancia Fdc Install	70,400	\$12,672	\$92,152	\$16,587	\$75,565
297656	CNT PIPELINES	Unit Aa Pipeline	13,000,000	\$2,340,000	\$17,016,778	\$3,063,020	\$13,953,758
297657	CNT PIPELINES	Olivenhain 9 & 10 Svc Connect	500,000	\$90,000	\$654,491	\$117,808	\$536,683
297648	CNT PIPELINES	Rsf Lakes - Old Course Rd	292,750	\$52,695	\$383,205	\$68,977	\$314,228
297649	CNT PIPELINES	Rsf Lakes - Unit 1	376,350	\$67,743	\$492,636	\$88,674	\$403,961
297651	CNT PIPELINES	Elfin Forest Fire Hydrant	10,250	\$1,845	\$13,417	\$2,415	\$11,002
297650	CNT PIPELINES	Mission Ranch	281,550	\$50,679	\$368,544	\$66,338	\$302,206
297652	CNT PIPELINES	4Sr Med Office Fdc/Conversions	30,700	\$5,526	\$40,186	\$7,233	\$32,952
297647	CNT PIPELINES	Fy12 Contributed Mains	191,952	\$38,390	\$251,387	\$50,277	\$201,110
297644	CNT PIPELINES	Rancho Cielo Parcel 3	316,111	\$63,222	\$413,990	\$82,798	\$331,192

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297645 CNT PIPELINES	Fairbanks Ranch Fs #3	60,204	\$12,041	\$78,845	\$15,769	\$63,076
	297646 CNT PIPELINES	Horizon School 10" Main/G.V.	74,458	\$14,892	\$97,513	\$19,503	\$78,010
	297643 CNT PIPELINES	4S Nbhd #3 - Units 3 & 4	2,450,837	\$490,167	\$3,209,702	\$641,940	\$2,567,761
	297641 CNT PIPELINES	Villas De La Costa	150,985	\$33,217	\$202,619	\$44,576	\$158,043
	297639 CNT PIPELINES	Greater Centurion	56,335	\$12,394	\$75,600	\$16,632	\$58,968
	297640 CNT PIPELINES	Crosby Golf Villas	97,482	\$21,446	\$130,819	\$28,780	\$102,039
	297642 CNT PIPELINES	4S Village Phase 2 P/L Relo	152,500	\$33,550	\$204,652	\$45,023	\$159,629
	297636 CNT PIPELINES	Olivenhain Guest Home	19,457	\$4,670	\$26,344	\$6,323	\$20,022
	297633 CNT PIPELINES	Brookside Lane - Bouchard	7,114	\$1,707	\$9,632	\$2,312	\$7,321
	297623 CNT PIPELINES	Avenida Apice & Berk Access Rd	809,667	\$194,320	\$1,096,276	\$263,106	\$833,170
	297628 CNT PIPELINES	Cielo Village	40,160	\$9,638	\$54,376	\$13,050	\$41,326
	297627 CNT PIPELINES	Ben Bond Residence PI Relo	46,959	\$11,270	\$63,582	\$15,260	\$48,322
	297635 CNT PIPELINES	Morgan Run Resort & Club	19,731	\$4,735	\$26,715	\$6,412	\$20,304
	297637 CNT PIPELINES	Crosby Swim & Tennis Villas	440,993	\$105,838	\$597,098	\$143,303	\$453,794
	297638 CNT PIPELINES	Ext 244 - Rio Vista Rd	49,625	\$11,910	\$67,191	\$16,126	\$51,066
	297622 CNT PIPELINES	4S Pa 40 - Gianni	346,282	\$83,108	\$468,860	\$112,527	\$356,334
	297624 CNT PIPELINES	4S Ranch Nbhd 3 Unit 2	1,339,825	\$321,558	\$1,814,102	\$435,385	\$1,378,718
	297625 CNT PIPELINES	4S Commons	1,822,158	\$437,318	\$2,467,174	\$592,122	\$1,875,052
	297626 CNT PIPELINES	Del Norte High School	58,429	\$14,023	\$79,112	\$18,987	\$60,125
	297629 CNT PIPELINES	Monterey Ridge Elementary Sch	25,228	\$6,055	\$34,158	\$8,198	\$25,960
	297630 CNT PIPELINES	Oak Valley Middle School	31,881	\$7,651	\$43,166	\$10,360	\$32,806
	297631 CNT PIPELINES	Stone Ranch Elementary School	31,527	\$7,566	\$42,687	\$10,245	\$32,442
	297632 CNT PIPELINES	Souplantation	9,580	\$2,299	\$12,971	\$3,113	\$9,858
	297634 CNT PIPELINES	7808 Cmno Sin Puente Fh Instl	4,165	\$1,000	\$5,639	\$1,353	\$4,286
	297610 CNT PIPELINES	Rosebay Condominiums	37,308	\$9,700	\$51,470	\$13,382	\$38,088
	297614 CNT PIPELINES	Horseman'S Valley South	76,500	\$19,890	\$105,540	\$27,440	\$78,099
	297616 CNT PIPELINES	Belmont Village	100,269	\$26,070	\$138,332	\$35,966	\$102,365
	297617 CNT PIPELINES	El Camino Promenade	131,600	\$34,216	\$181,556	\$47,205	\$134,351
	297618 CNT PIPELINES	La Costa Glen Phase 1	362,845	\$94,340	\$500,582	\$130,151	\$370,431
	297619 CNT PIPELINES	La Costa Glen Phase 2	703,955	\$183,028	\$971,179	\$252,507	\$718,673
	297620 CNT PIPELINES	Rite Aid - Manchester Ave	28,382	\$7,379	\$39,156	\$10,181	\$28,975
	297605 CNT PIPELINES	Unit N Pipeline Relocation	323,796	\$84,187	\$446,710	\$116,145	\$330,566
	297606 CNT PIPELINES	Carlsbad Fire Station No. 6	93,415	\$24,288	\$128,876	\$33,508	\$95,368
	297607 CNT PIPELINES	La Costa Ave 18" P/L Relo	200,000	\$52,000	\$275,921	\$71,739	\$204,181
	297608 CNT PIPELINES	Oaks South Nbhd 3.9	217,000	\$56,420	\$299,374	\$77,837	\$221,537
	297602 CNT PIPELINES	Rancho Cielo Parcel "A"	849,383	\$220,840	\$1,171,812	\$304,671	\$867,141
	297611 CNT PIPELINES	Rancho Cielo Parcel "C"	185,591	\$48,254	\$256,042	\$66,571	\$189,471
	297612 CNT PIPELINES	Rancho Cielo Parcel "D"	281,072	\$73,079	\$387,768	\$100,820	\$286,948
	297601 CNT PIPELINES	4S Planning Area 35	29,274	\$7,611	\$40,387	\$10,500	\$29,886
	297603 CNT PIPELINES	4S Ranch 27" Pipeline	758,643	\$197,247	\$1,046,627	\$272,123	\$774,504
	297604 CNT PIPELINES	Quest Medical Office Building	12,000	\$3,120	\$16,555	\$4,304	\$12,251
	297609 CNT PIPELINES	4S Planning Area 38	540,317	\$140,482	\$745,423	\$193,810	\$551,613
	297613 CNT PIPELINES	Dove Canyon Apartments	15,351	\$3,991	\$21,178	\$5,506	\$15,672
	297615 CNT PIPELINES	4S Ranch Nbhd 3 Unit 1	2,755,181	\$716,347	\$3,801,059	\$988,275	\$2,812,783
	287607 CNT PIPELINES	Oaks South Nbhd 3.10/3.11	347,002	\$97,161	\$505,139	\$141,439	\$363,700
	287611 CNT PIPELINES	La Costa Oaks Nbhd 3.08	212,000	\$59,360	\$308,613	\$86,412	\$222,202

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	287610 CNT PIPELINES	Ranch Cielo Parcel F Swr/Water	963,649	\$269,822	\$1,402,807	\$392,786	\$1,010,021
	287612 CNT PIPELINES	Rancho Cielo Parcel G	907,500	\$254,100	\$1,321,069	\$369,899	\$951,170
	287616 CNT PIPELINES	Unit S-3	1,557,508	\$436,102	\$2,267,302	\$634,844	\$1,632,457
	287602 CNT PIPELINES	El Apajo Estates (River Run)	103,649	\$29,022	\$150,884	\$42,248	\$108,637
	287608 CNT PIPELINES	Crosby Estates 5073-7	302,000	\$84,560	\$439,629	\$123,096	\$316,533
	287601 CNT PIPELINES	North Coast Health Center	64,995	\$18,199	\$94,615	\$26,492	\$68,123
	287603 CNT PIPELINES	Coastline Community Church	29,000	\$8,120	\$42,216	\$11,820	\$30,396
	287604 CNT PIPELINES	4S Ranch Pa 37	212,563	\$59,518	\$309,433	\$86,641	\$222,792
	287605 CNT PIPELINES	The Forum	336,500	\$94,220	\$489,851	\$137,158	\$352,693
	287606 CNT PIPELINES	4S Ranch Pa 41	323,063	\$90,458	\$470,291	\$131,681	\$338,609
	287609 CNT PIPELINES	4S Ranch Nbhd 2 Unit 3	1,222,896	\$342,411	\$1,780,199	\$498,456	\$1,281,743
	287613 CNT PIPELINES	4S Ranch La Fitness	75,000	\$21,000	\$109,179	\$30,570	\$78,609
	287614 CNT PIPELINES	4S Pipeline North Phase I	1,381,000	\$386,680	\$2,010,355	\$562,899	\$1,447,455
	287615 CNT PIPELINES	4S Pipeline North Phase Ii	1,729,000	\$484,120	\$2,516,947	\$704,745	\$1,812,202
	277608 CNT PIPELINES	Encinitas Country Day School	78,431	\$29,412	\$119,476	\$44,803	\$74,672
	277609 CNT PIPELINES	Encinitas Ranch Phase Iii	59,484	\$22,307	\$90,613	\$33,980	\$56,633
	277610 CNT PIPELINES	Gardenview Office Building	9,857	\$3,696	\$15,015	\$5,631	\$9,385
	277611 CNT PIPELINES	La Costa Oaks S Cmno Junipero	192,797	\$72,299	\$293,692	\$110,134	\$183,557
	277612 CNT PIPELINES	La Costa Oaks S Nbhd 3.12/3.13	423,728	\$158,898	\$645,473	\$242,053	\$403,421
	277613 CNT PIPELINES	La Costa Oaks S Nbhd 3.14	253,099	\$94,912	\$385,551	\$144,582	\$240,969
	277614 CNT PIPELINES	La Costa Oaks S Nbh	420,000	\$157,500	\$639,794	\$239,923	\$399,872
	277615 CNT PIPELINES	La Costa Oaks S Nbhd	291,000	\$109,125	\$443,286	\$166,232	\$277,054
	277616 CNT PIPELINES	La Costa Oaks South	240,000	\$90,000	\$365,597	\$137,099	\$228,498
	277617 CNT PIPELINES	North Park @ La Cost	56,551	\$21,207	\$86,145	\$32,304	\$53,841
	277622 CNT PIPELINES	Shelley Unit 1 (Centex)	78,800	\$29,550	\$120,038	\$45,014	\$75,024
	277623 CNT PIPELINES	Unit "M" P/L Relocation & Fcf	567,108	\$212,666	\$863,887	\$323,958	\$539,929
	277624 CNT PIPELINES	Unit "M" Relocation - Dove Trl	211,888	\$79,458	\$322,773	\$121,040	\$201,733
	277620 CNT PIPELINES	Rancho Pacifica	92,000	\$34,500	\$140,145	\$52,555	\$87,591
	277619 CNT PIPELINES	Rancho Cielo B Tm 42	473,500	\$177,563	\$721,292	\$270,485	\$450,808
	277602 CNT PIPELINES	Crosby @ Rsf Tm 5073-1	329,000	\$123,375	\$501,172	\$187,940	\$313,233
	277603 CNT PIPELINES	Crosby Golf Clubhouse Ext	76,827	\$28,810	\$117,032	\$43,887	\$73,145
	277604 CNT PIPELINES	Crosby Tm 5073-2	859,000	\$322,125	\$1,308,532	\$490,700	\$817,833
	277605 CNT PIPELINES	Crosby Tm 5073-4	390,600	\$146,475	\$595,009	\$223,128	\$371,881
	277606 CNT PIPELINES	Crosby Tm 5073-8	41,263	\$15,474	\$62,857	\$23,571	\$39,285
	277607 CNT PIPELINES	Crosby Unit 3 Tm 5073-3	284,500	\$106,688	\$433,385	\$162,519	\$270,865
	277618 CNT PIPELINES	Old Course Road Enca	427,000	\$160,125	\$650,458	\$243,922	\$406,536
	277621 CNT PIPELINES	Santa Luz Affordable Housing	371,000	\$139,125	\$565,152	\$211,932	\$353,220
	277626 CNT PIPELINES	Unit Rc-2 Pipeline - Sfv	299,490	\$89,847	\$456,219	\$136,866	\$319,353
	277600 CNT PIPELINES	4S Ranch Nbhd 1 Backbone	1,564,488	\$586,683	\$2,383,216	\$893,706	\$1,489,510
	277601 CNT PIPELINES	4S Ranch Community Park	136,050	\$51,019	\$207,248	\$77,718	\$129,530
	267606 CNT PIPELINES	Enc Ranch N Mesa	96,000	\$38,400	\$151,510	\$60,604	\$90,906
	267615 CNT PIPELINES	Temple Solel	93,475	\$37,390	\$147,525	\$59,010	\$88,515
	267617 CNT PIPELINES	Raw Water Pipeline	107,281	\$34,330	\$169,313	\$54,180	\$115,133
	267604 CNT PIPELINES	Santa Fe Creek #1	242,000	\$96,800	\$381,931	\$152,772	\$229,158
	267605 CNT PIPELINES	Santa Fe Creek #2	65,000	\$26,000	\$102,585	\$41,034	\$61,551
	267607 CNT PIPELINES	Bridges Units 1 & 2	57,000	\$22,800	\$89,959	\$35,984	\$53,975

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Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
267608	CNT PIPELINES	Bridges @ Rsf Unit 3	189,500	\$75,800	\$299,074	\$119,629	\$179,444
267609	CNT PIPELINES	Bridges @ Rsf Unit 4	464,000	\$185,600	\$732,297	\$292,919	\$439,378
267610	CNT PIPELINES	Bridges @ Rsf Unit 6	23,000	\$9,200	\$36,299	\$14,520	\$21,780
267616	CNT PIPELINES	Bridges Unit 5	117,000	\$46,800	\$184,652	\$73,861	\$110,791
267601	CNT PIPELINES	Units V3 & V4 P/L	1,063,252	\$340,241	\$1,678,051	\$536,976	\$1,141,075
267602	CNT PIPELINES	Unit S-1 Valve	66,709	\$21,347	\$105,283	\$33,690	\$71,592
267603	CNT PIPELINES	Unit P-2B P/L Relo	68,000	\$27,200	\$107,319	\$42,928	\$64,392
727601	CNT PIPELINES	Ext 153 Capacity	269,003	\$153,716	\$424,547	\$242,598	\$181,949
267611	CNT PIPELINES	4S Ranch Unit 8	189,000	\$75,600	\$298,285	\$119,314	\$178,971
267612	CNT PIPELINES	4S Ranch Unit 3	301,000	\$120,400	\$475,046	\$190,018	\$285,027
267613	CNT PIPELINES	4S Ranch Nbhd 2 #1	1,039,798	\$415,919	\$1,641,035	\$656,414	\$984,621
267614	CNT PIPELINES	4S Ranch Nbhd 2 #2	1,200,592	\$480,237	\$1,894,805	\$757,922	\$1,136,883
257602	CNT PIPELINES	Enc Ranch Mesa Lower	97,500	\$41,438	\$158,465	\$67,348	\$91,117
257603	CNT PIPELINES	Quail Hollow	255,000	\$108,375	\$414,446	\$176,140	\$238,307
257607	CNT PIPELINES	Shelley Unit 2	162,800	\$69,190	\$264,596	\$112,453	\$152,142
257608	CNT PIPELINES	Shelley Unit 3	281,000	\$119,425	\$456,704	\$194,099	\$262,605
257609	CNT PIPELINES	Shelley Unit 4	209,000	\$88,825	\$339,683	\$144,365	\$195,318
257601	CNT PIPELINES	4S Planning Area 27	197,000	\$83,725	\$320,180	\$136,077	\$184,104
257604	CNT PIPELINES	4S Planning Area 26	188,400	\$80,070	\$306,203	\$130,136	\$176,067
257605	CNT PIPELINES	4S Planning Area 19	400,000	\$170,000	\$650,112	\$276,298	\$373,814
257606	CNT PIPELINES	4S Planning Area 25	626,300	\$266,178	\$1,017,913	\$432,613	\$585,300
257610	CNT PIPELINES	4S Planning Area 16	409,500	\$174,038	\$665,552	\$282,860	\$382,692
257611	CNT PIPELINES	4S Planning Area 29	171,000	\$272,675	\$277,923	\$118,117	\$159,806
257612	CNT PIPELINES	Bernardo Point #4	79,454	\$33,768	\$129,135	\$54,882	\$74,253
257613	CNT PIPELINES	4S Planning Area 15	383,500	\$162,988	\$623,295	\$264,900	\$358,394
257614	CNT PIPELINES	4S Planning Area 28	63,000	\$26,775	\$102,393	\$43,517	\$58,876
257615	CNT PIPELINES	4S Planning Area 12	323,000	\$137,275	\$524,965	\$223,110	\$301,855
257616	CNT PIPELINES	Unit Z P/L -Artesian	2,833,396	\$1,204,193	\$4,605,060	\$1,957,151	\$2,647,910
247601	CNT PIPELINES	Arroyo La Costa #3	70,000	\$31,500	\$115,257	\$51,866	\$63,392
247603	CNT PIPELINES	Rancho La Costa Vlg	25,840	\$11,628	\$42,546	\$19,146	\$23,401
247604	CNT PIPELINES	Rncho La Costa-Rcycl	42,160	\$18,972	\$69,418	\$31,238	\$38,180
247605	CNT PIPELINES	Salviati	458,350	\$206,258	\$754,690	\$339,610	\$415,079
247606	CNT PIPELINES	W-2 Extension	155,209	\$69,844	\$255,557	\$115,001	\$140,556
247602	CNT PIPELINES	4S Rnch Vlg Comm Dev	181,850	\$81,833	\$299,422	\$134,740	\$164,682
237622	CNT PIPELINES	Concordia 28 Llc	124,000	\$58,900	\$222,072	\$105,484	\$116,588
237624	CNT PIPELINES	Arroyo La Costa (F)	75,000	\$35,625	\$134,318	\$63,801	\$70,517
237625	CNT PIPELINES	Arroyo La Costa (K)	173,000	\$82,175	\$309,826	\$147,167	\$162,659
237627	CNT PIPELINES	Arroyo La Costa (D)	189,000	\$89,775	\$338,480	\$160,778	\$177,702
237628	CNT PIPELINES	Arroyo La Costa (M)	126,000	\$59,850	\$225,653	\$107,185	\$118,468
237629	CNT PIPELINES	Arroyo La Costa (N)	201,000	\$95,475	\$359,971	\$170,986	\$188,985
237630	CNT PIPELINES	Arroyo La Costa (O)	127,000	\$60,325	\$227,444	\$108,036	\$119,408
237631	CNT PIPELINES	Arroyo La Costa (B)	294,000	\$139,650	\$526,525	\$250,099	\$276,425
237632	CNT PIPELINES	Ctrh, Llc	25,000	\$11,875	\$44,773	\$21,267	\$23,506
237633	CNT PIPELINES	Unit W-1 Pipeline	749,173	\$355,857	\$1,341,694	\$637,305	\$704,389
237634	CNT PIPELINES	Unit W-2 Pipeline	1,007,144	\$478,393	\$1,803,695	\$856,755	\$946,940
237623	CNT PIPELINES	4S Lots 37 & 38	20,125	\$9,559	\$36,042	\$17,120	\$18,922

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	237626 CNT PIPELINES	4S Lots 14 - 17	20,000	\$9,500	\$35,818	\$17,014	\$18,804
	227620 CNT PIPELINES	Arroyo La Costa - E	204,200	\$102,100	\$372,076	\$186,038	\$186,038
	227621 CNT PIPELINES	Sandalwood - Ps	417,000	\$208,500	\$759,821	\$379,911	\$379,911
	227619 CNT PIPELINES	Groves li	78,000	\$39,000	\$142,125	\$71,062	\$71,062
	217602 CNT PIPELINES	Arroyo La Costa #3	463,000	\$243,075	\$864,164	\$453,686	\$410,478
	217604 CNT PIPELINES	Arroyo La Costa I	376,000	\$197,400	\$701,783	\$368,436	\$333,347
	217606 CNT PIPELINES	Leucadia Highlands	93,000	\$48,825	\$173,579	\$91,129	\$82,450
	217612 CNT PIPELINES	Sage Canyon	97,000	\$50,925	\$181,045	\$95,049	\$85,996
	217616 CNT PIPELINES	Arroyo La Costa #C	118,000	\$61,950	\$220,241	\$115,626	\$104,614
	217603 CNT PIPELINES	Lone Jack Rd Imprvmt	9,000	\$4,725	\$16,798	\$8,819	\$7,979
	217607 CNT PIPELINES	Kinghtsbridge	344,500	\$180,863	\$642,990	\$337,570	\$305,420
	217611 CNT PIPELINES	Crestview	92,000	\$48,300	\$171,713	\$90,149	\$81,564
	217613 CNT PIPELINES	Stratford Knolls	67,500	\$35,438	\$125,985	\$66,142	\$59,843
	217615 CNT PIPELINES	Rancho Verde Unit #2	345,887	\$181,591	\$645,579	\$338,929	\$306,650
	217617 CNT PIPELINES	Rancho Verde Unit #4	124,000	\$65,100	\$231,439	\$121,506	\$109,934
	217605 CNT PIPELINES	Bernardo Lks Unit V1	283,588	\$148,884	\$529,302	\$277,884	\$251,419
	217608 CNT PIPELINES	Christopherhill #1	267,000	\$140,175	\$498,341	\$261,629	\$236,712
	217609 CNT PIPELINES	Christopherhill #2	176,000	\$92,400	\$328,494	\$172,460	\$156,035
	217610 CNT PIPELINES	Christopherhill #3	165,000	\$86,625	\$307,963	\$161,681	\$146,283
	217614 CNT PIPELINES	Christopherhill Bkbn	532,500	\$279,563	\$993,882	\$521,788	\$472,094
	207601 CNT PIPELINES	Mains 99/00 Add'S	3,351,454	\$1,843,300	\$6,395,916	\$3,517,754	\$2,878,162
	760197 CNT PIPELINES	Ext 180 Carlsbad Hs	250,000	\$143,750	\$494,020	\$284,061	\$209,958
	760199 CNT PIPELINES	Arroyo La Costa #2	355,000	\$204,125	\$701,508	\$403,367	\$298,141
	760200 CNT PIPELINES	Calle Barcelona	509,000	\$292,675	\$1,005,824	\$578,349	\$427,475
	760198 CNT PIPELINES	Rancho Lakes Estates	487,455	\$280,287	\$963,249	\$553,868	\$409,381
	760195 CNT PIPELINES	Home Depot	500,000	\$312,500	\$1,012,122	\$632,576	\$379,546
	760192 CNT PIPELINES	Vista Santa Fe Areab	170,666	\$106,666	\$345,470	\$215,918	\$129,551
	760193 CNT PIPELINES	Ranch View Estates	56,500	\$35,313	\$114,370	\$71,481	\$42,889
	760196 CNT PIPELINES	Mains 97/98 Addition	458,135	\$286,334	\$927,377	\$579,611	\$347,766
	760194 CNT PIPELINES	Rancho Lakes	500,000	\$312,500	\$1,012,122	\$632,576	\$379,546
	760189 CNT PIPELINES	Sonata (Tierra S.F.)	183,333	\$119,167	\$377,059	\$245,088	\$131,971
	760190 CNT PIPELINES	Hdden Valley Subdivs	114,200	\$74,230	\$234,874	\$152,668	\$82,206
	760191 CNT PIPELINES	Intertie - Fairbanks	151,634	\$98,562	\$311,863	\$202,711	\$109,152
	760186 CNT PIPELINES	Tierra Santa Fe 9'95	73,333	\$49,500	\$151,568	\$102,308	\$49,259
	760188 CNT PIPELINES	Sonata 1&2 '95	73,333	\$49,500	\$151,568	\$102,308	\$49,259
	760184 CNT PIPELINES	Rancho Farms Ests'95	75,000	\$50,625	\$155,013	\$104,634	\$50,379
	760185 CNT PIPELINES	Vista Santa Fe B1'95	341,334	\$230,400	\$705,483	\$476,201	\$229,282
	760181 CNT PIPELINES	Rosemont Estates	78,500	\$54,950	\$162,080	\$113,456	\$48,624
	760179 CNT PIPELINES	Heritage Raw H2O P/L	1,051,712	\$736,198	\$2,171,481	\$1,520,037	\$651,444
	760182 CNT PIPELINES	Stratford Estates	33,000	\$23,100	\$68,135	\$47,695	\$20,441
	760183 CNT PIPELINES	Wildflower Estate #1	169,500	\$118,650	\$349,968	\$244,978	\$104,991
	760180 CNT PIPELINES	Heritage Hills C.C.	588,000	\$411,600	\$1,214,050	\$849,835	\$364,215
	760178 CNT PIPELINES	Leucadia Homes	51,500	\$37,338	\$107,237	\$77,747	\$29,490
	760177 CNT PIPELINES	Rancho Pacifica Apts	156,500	\$117,375	\$332,513	\$249,385	\$83,128
	760173 CNT PIPELINES	Forrest Bluff Estate	65,000	\$50,375	\$143,965	\$111,573	\$32,392
	760172 CNT PIPELINES	Brookside Sub	93,500	\$72,463	\$207,088	\$160,493	\$46,595

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760174	CNT PIPELINES	Pearce Project	55,500	\$43,013	\$122,924	\$95,266	\$27,658
760176	CNT PIPELINES	Ranch Farms Ests #2	115,000	\$89,125	\$254,707	\$197,398	\$57,309
760175	CNT PIPELINES	Alva Rd Improvements	148,000	\$114,700	\$327,797	\$254,042	\$73,754
760164	CNT PIPELINES	Encinitas Tract 4574	347,500	\$278,000	\$781,928	\$625,542	\$156,386
760168	CNT PIPELINES	Scenna Canyon Subdiv	91,250	\$73,000	\$205,326	\$164,261	\$41,065
760163	CNT PIPELINES	New Horizon Group	17,131	\$13,705	\$38,548	\$30,838	\$7,710
760165	CNT PIPELINES	Rancho S.F.Highlands	213,500	\$170,800	\$480,407	\$384,326	\$96,081
760166	CNT PIPELINES	La Jolla Valencia	341,000	\$272,800	\$767,302	\$613,842	\$153,460
760167	CNT PIPELINES	Rancho S.F. Farms	940,922	\$752,738	\$2,117,218	\$1,693,774	\$423,444
760169	CNT PIPELINES	Unit R P/L 4-S Partn	639,388	\$511,510	\$1,438,720	\$1,150,976	\$287,744
760171	CNT PIPELINES	Water Facilities 4-S	457,750	\$366,200	\$1,030,007	\$824,006	\$206,001
760150	CNT PIPELINES	Mira Costa College S	143,341	\$118,256	\$333,947	\$275,506	\$58,441
760151	CNT PIPELINES	Scotts Valley #1	142,000	\$117,150	\$330,823	\$272,929	\$57,894
760152	CNT PIPELINES	Scotts Valley	204,200	\$168,465	\$475,733	\$392,479	\$83,253
760153	CNT PIPELINES	Monarch Villas	84,000	\$69,300	\$195,698	\$161,451	\$34,247
760156	CNT PIPELINES	Vista Santa Fe #3	138,000	\$113,850	\$321,504	\$265,241	\$56,263
760157	CNT PIPELINES	Vista Santa Fe #4	105,000	\$86,625	\$244,623	\$201,814	\$42,809
760158	CNT PIPELINES	Vista Santa Fe #5	81,500	\$67,238	\$189,874	\$156,646	\$33,228
760159	CNT PIPELINES	Vista Santa Fe #6	90,000	\$74,250	\$209,676	\$172,983	\$36,693
760160	CNT PIPELINES	Beland Project	40,500	\$33,413	\$94,354	\$77,842	\$16,512
760161	CNT PIPELINES	Country Rose #1	208,350	\$171,889	\$485,401	\$400,456	\$84,945
760162	CNT PIPELINES	Country Rose #2	138,900	\$114,593	\$323,601	\$266,971	\$56,630
760154	CNT PIPELINES	Fairbanks Cc #4	83,000	\$68,475	\$193,368	\$159,529	\$33,839
760155	CNT PIPELINES	Fairbankd Cc #6	85,000	\$70,125	\$198,028	\$163,373	\$34,655
760141	CNT PIPELINES	Santa Fe Knolls	544,600	\$462,910	\$1,272,938	\$1,081,997	\$190,941
760142	CNT PIPELINES	Olive Crest	150,000	\$127,500	\$350,607	\$298,016	\$52,591
760144	CNT PIPELINES	Rsf Road Improvement	18,000	\$15,300	\$42,073	\$35,762	\$6,311
760146	CNT PIPELINES	Olivenhain Venture	105,500	\$89,675	\$246,594	\$209,605	\$36,989
760148	CNT PIPELINES	La Costa Condos Ph 3	60,500	\$51,425	\$141,412	\$120,200	\$21,212
760149	CNT PIPELINES	Sea Point Village	180,500	\$153,425	\$421,897	\$358,613	\$63,285
760147	CNT PIPELINES	Windsor Country Ests	364,000	\$309,400	\$850,807	\$723,186	\$127,621
760143	CNT PIPELINES	Rancho Del Rayo- Sub	604,000	\$513,400	\$1,411,778	\$1,200,011	\$211,767
760145	CNT PIPELINES	Fairbanks Polo Club	110,500	\$93,925	\$258,281	\$219,538	\$38,742
760135	CNT PIPELINES	Encinitas Estates #4	105,500	\$92,313	\$259,959	\$227,464	\$32,495
760137	CNT PIPELINES	La Costa Condos 1&2	373,800	\$327,075	\$921,068	\$805,935	\$115,134
760139	CNT PIPELINES	De La Plaza, Encntas	145,000	\$126,875	\$357,290	\$312,629	\$44,661
760140	CNT PIPELINES	Del Rayo Heights Sub	74,500	\$65,188	\$183,573	\$160,626	\$22,947
760136	CNT PIPELINES	Whispering Palms V-I	201,500	\$176,313	\$496,510	\$434,446	\$62,064
760138	CNT PIPELINES	Fairbanks C.C. #3	233,000	\$203,875	\$574,128	\$502,362	\$71,766
760124	CNT PIPELINES	Northview # 6	60,600	\$54,540	\$149,923	\$134,931	\$14,992
760125	CNT PIPELINES	Northview #5	119,900	\$107,910	\$296,631	\$266,968	\$29,663
760126	CNT PIPELINES	Quail Gardens #4.	288,500	\$259,650	\$713,744	\$642,370	\$71,374
760127	CNT PIPELINES	La Costa Trans Main.	192,000	\$172,800	\$475,005	\$427,504	\$47,500
760128	CNT PIPELINES	Santa Fe Ridge #2.	189,000	\$170,100	\$467,583	\$420,825	\$46,758
760129	CNT PIPELINES	Lagoon View.	84,500	\$76,050	\$209,052	\$188,146	\$20,905
760130	CNT PIPELINES	Mission Ridge.	117,000	\$105,300	\$289,456	\$260,510	\$28,946

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760131	CNT PIPELINES	Northview #7.	57,200	\$51,480	\$141,512	\$127,361	\$14,151
760132	CNT PIPELINES	Northview #8.	81,000	\$72,900	\$200,393	\$180,353	\$20,039
760133	CNT PIPELINES	Northview #9.	61,300	\$55,170	\$151,655	\$136,490	\$15,166
760134	CNT PIPELINES	Stonebridge	169,500	\$152,550	\$419,340	\$377,406	\$41,934
760109	CNT PIPELINES	Vista Santa Fe #2	75,000	\$69,375	\$185,736	\$171,806	\$13,930
760110	CNT PIPELINES	Seagate Village	288,500	\$266,863	\$714,466	\$660,881	\$53,585
760114	CNT PIPELINES	Encinitas Villg Apts	47,000	\$43,475	\$116,395	\$107,665	\$8,730
760115	CNT PIPELINES	Villg Park Villas #5	5,900	\$5,458	\$14,611	\$13,515	\$1,096
760116	CNT PIPELINES	La Costa Trans Main.	479,292	\$443,345	\$1,186,960	\$1,097,938	\$89,022
760117	CNT PIPELINES	Pac Ranch-Tennis Clb	328,200	\$303,585	\$812,783	\$751,824	\$60,959
760120	CNT PIPELINES	Olivenhain Bluffs	26,000	\$24,050	\$64,389	\$59,559	\$4,829
760121	CNT PIPELINES	Camino Creek #2	201,000	\$185,925	\$497,774	\$460,441	\$37,333
760122	CNT PIPELINES	Santa Fe Ridge #1	160,000	\$148,000	\$396,238	\$366,520	\$29,718
760123	CNT PIPELINES	Summerhill- Tm4421-1	290,452	\$268,668	\$719,300	\$665,353	\$53,948
760107	CNT PIPELINES	Vista Del Rio	148,500	\$137,363	\$367,758	\$340,176	\$27,582
760108	CNT PIPELINES	Vista Santa Fe #1	108,500	\$100,363	\$268,699	\$248,546	\$20,152
760113	CNT PIPELINES	Galeria	87,750	\$81,169	\$217,312	\$201,013	\$16,298
760118	CNT PIPELINES	Aliso Canyon Road	166,400	\$153,920	\$412,087	\$381,181	\$30,907
760106	CNT PIPELINES	Fairbanks Cntry Club	200,000	\$185,000	\$495,297	\$458,150	\$37,147
760111	CNT PIPELINES	Fairbanks Cntry Club	197,000	\$182,225	\$487,868	\$451,278	\$36,590
760112	CNT PIPELINES	Fairbanks Cntry Club	111,000	\$102,675	\$274,890	\$254,273	\$20,617
760119	CNT PIPELINES	Fairbanks Ranch #4	524,000	\$484,700	\$1,297,679	\$1,200,353	\$97,326
760095	CNT PIPELINES	Village Park Nrtvw 2	12,478	\$11,854	\$31,999	\$30,399	\$1,600
760096	CNT PIPELINES	Camino Creek #3	34,873	\$33,129	\$89,429	\$84,957	\$4,471
760097	CNT PIPELINES	Hollyridge	16,000	\$15,200	\$41,031	\$38,979	\$2,052
760098	CNT PIPELINES	Sakal Project	44,330	\$42,114	\$113,681	\$107,997	\$5,684
760100	CNT PIPELINES	Village Park Nthvw 3	48,500	\$46,075	\$124,374	\$118,155	\$6,219
760101	CNT PIPELINES	Village Park Nthvw 4	60,620	\$57,589	\$155,455	\$147,682	\$7,773
760102	CNT PIPELINES	Heritage Park	154,275	\$146,561	\$395,625	\$375,844	\$19,781
760103	CNT PIPELINES	Jantsch Project	26,000	\$24,700	\$66,675	\$63,341	\$3,334
760104	CNT PIPELINES	Morning Sun West li	254,000	\$241,300	\$651,362	\$618,794	\$32,568
760105	CNT PIPELINES	Encinitas Racquet C.	108,000	\$102,600	\$276,957	\$263,109	\$13,848
760099	CNT PIPELINES	Vista Del Rio 1&2	175,500	\$166,725	\$450,055	\$427,552	\$22,503
760094	CNT PIPELINES	Santa Fe Highlands	289,500	\$282,263	\$771,139	\$751,861	\$19,278
760090	CNT PIPELINES	Whspring Plms Grn #3	76,200	\$74,295	\$202,973	\$197,899	\$5,074
760091	CNT PIPELINES	Vida Pacifica Ph I	288,500	\$281,288	\$768,476	\$749,264	\$19,212
760092	CNT PIPELINES	Rancho La Zanja #1	166,380	\$162,221	\$443,185	\$432,106	\$11,080
760093	CNT PIPELINES	Rancho Del Lago	308,000	\$300,300	\$820,418	\$799,907	\$20,510
760075	CNT PIPELINES	Serena Vista	47,634	\$26,675	\$156,621	\$87,708	\$68,913
760076	CNT PIPELINES	South Pointe Farms	190,200	\$106,512	\$625,380	\$350,213	\$275,167
760077	CNT PIPELINES	Whspring Plms Vil #2	101,200	\$56,672	\$332,747	\$186,338	\$146,409
760065	CNT PIPELINES	Mccoy Med.	15,900	\$9,116	\$58,939	\$33,792	\$25,148
760067	CNT PIPELINES	Canon Pk I-II-III	54,300	\$31,132	\$201,284	\$115,403	\$85,881
760068	CNT PIPELINES	Canon Pk I-II-III	71,000	\$40,707	\$263,189	\$150,895	\$112,294
760069	CNT PIPELINES	Canon Pk I-II-III	28,799	\$16,511	\$106,755	\$61,206	\$45,549
760070	CNT PIPELINES	Shady Hollow	82,110	\$47,076	\$304,372	\$174,507	\$129,866

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760071	CNT PIPELINES	Ponderosa #5	53,662	\$30,766	\$198,919	\$114,047	\$84,872
760072	CNT PIPELINES	Vllge Pk,N County #2	71,263	\$40,857	\$264,164	\$151,454	\$112,710
760073	CNT PIPELINES	Wandering Rd Schl St	25,725	\$14,749	\$95,360	\$54,673	\$40,687
760059	CNT PIPELINES	La Costa #3	187,003	\$109,708	\$737,280	\$432,537	\$304,742
760060	CNT PIPELINES	La Costa #4	70,700	\$41,477	\$278,742	\$163,529	\$115,214
760061	CNT PIPELINES	Rancho Pond #4	78,200	\$45,877	\$308,312	\$180,876	\$127,436
760049	CNT PIPELINES	Green Valley Knolls	233,003	\$139,802	\$1,220,068	\$732,041	\$488,027
760050	CNT PIPELINES	Summerfield #9	43,430	\$26,058	\$227,412	\$136,447	\$90,965
760051	CNT PIPELINES	Summerfield #8	77,452	\$46,471	\$405,560	\$243,336	\$162,224
760053	CNT PIPELINES	Village Pk #15	29,283	\$17,570	\$153,334	\$92,000	\$61,334
760054	CNT PIPELINES	Encinitas Est #3	46,724	\$28,034	\$244,660	\$146,796	\$97,864
760055	CNT PIPELINES	Rancho Del Pond #1	70,000	\$42,000	\$366,539	\$219,924	\$146,616
760056	CNT PIPELINES	Rancho Del Pond #2	65,850	\$39,510	\$344,809	\$206,885	\$137,924
760057	CNT PIPELINES	Rancho Del Dios	304,420	\$182,652	\$1,594,027	\$956,416	\$637,611
760058	CNT PIPELINES	Adj Per Aje/6-30-77	38,751	\$23,251	\$202,911	\$121,747	\$81,164
760045	CNT PIPELINES	Summerfield #6	15,405	\$9,448	\$86,544	\$53,080	\$33,464
760046	CNT PIPELINES	Summerfield #7	29,239	\$17,933	\$164,263	\$100,748	\$63,515
760047	CNT PIPELINES	Santa Fe Glens	62,681	\$38,445	\$352,139	\$215,979	\$136,161
760048	CNT PIPELINES	S D Shore-Wanket Tnk	211,928	\$129,983	\$1,190,597	\$730,233	\$460,364
760010	CNT PIPELINES	Vllge Pk #10	52,900	\$33,151	\$322,581	\$202,151	\$120,430
760011	CNT PIPELINES	Vllge Pk #11	21,100	\$13,223	\$128,667	\$80,631	\$48,036
760012	CNT PIPELINES	Vllge Pk #12	54,493	\$34,149	\$332,295	\$208,238	\$124,057
760033	CNT PIPELINES	San Elijo Hills	142,592	\$89,358	\$869,518	\$544,898	\$324,620
760014	CNT PIPELINES	Vllg Pk Villas #1	63,753	\$40,802	\$425,714	\$272,457	\$153,257
760016	CNT PIPELINES	Vllg Pk Villas #3	41,700	\$26,688	\$278,454	\$178,210	\$100,243
760017	CNT PIPELINES	Vllg Pk Villas #17	20,300	\$12,992	\$135,554	\$86,755	\$48,800
760006	CNT PIPELINES	Vllge Pk #6	25,471	\$16,641	\$181,303	\$118,451	\$62,852
760035	CNT PIPELINES	Villanitas #1	25,519	\$16,672	\$181,643	\$118,673	\$62,970
760038	CNT PIPELINES	Emerald Classics #2	25,200	\$16,464	\$179,374	\$117,191	\$62,183
760037	CNT PIPELINES	Emerald Classics #1	15,410	\$10,273	\$118,574	\$79,049	\$39,525
760044	CNT PIPELINES	Whspring Plms Grn #2	29,899	\$19,933	\$230,059	\$153,373	\$76,686
760002	CNT PIPELINES	Village Park #2	11,641	\$7,916	\$99,318	\$67,536	\$31,782
760022	CNT PIPELINES	Pacific Sereno #4	25,830	\$17,564	\$220,374	\$149,855	\$70,520
760027	CNT PIPELINES	La Costa South #6	11,557	\$7,859	\$98,599	\$67,047	\$31,552
760030	CNT PIPELINES	La Costa Vale #2	38,336	\$26,068	\$327,068	\$222,406	\$104,662
760039	CNT PIPELINES	Emerald Classics #3	14,155	\$9,625	\$120,767	\$82,121	\$38,645
760040	CNT PIPELINES	Emerald Classics #4	15,728	\$10,695	\$134,187	\$91,247	\$42,940
760041	CNT PIPELINES	Whsprng Plms Grn #1	52,420	\$35,646	\$447,233	\$304,118	\$143,114
760042	CNT PIPELINES	Palms Golf	24,080	\$16,374	\$205,444	\$139,702	\$65,742
760019	CNT PIPELINES	Pacific Sereno #1	42,375	\$29,380	\$413,890	\$286,963	\$126,926
760020	CNT PIPELINES	Pacific Sereno #2	21,435	\$14,862	\$209,362	\$145,158	\$64,204
760021	CNT PIPELINES	Pacific Sereno #3	26,300	\$18,235	\$256,880	\$178,104	\$78,777
760024	CNT PIPELINES	La Costa South #1	80,086	\$55,526	\$782,224	\$542,342	\$239,882
760018	CNT PIPELINES	Lake Val Sereno #2	27,948	\$19,377	\$272,977	\$189,264	\$83,713
202138	CNT PIPELN EXT	MAIN EXT 256 - SANTA FE HEIGHTS	141,048	\$7,052	\$157,813	\$7,891	\$149,923
297518	CNT PIPELN EXT	EXT 235 - PALMA DE LA REINA	379,561	\$37,956	\$428,782	\$42,878	\$385,904

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297517 CNT PIPELN EXT	EXT 68A - ELFIN VISTA LANE	48,149	\$6,019	\$55,813	\$6,977	\$48,836
	297515 CNT PIPELN EXT	Ext 248-Citymark Olivenhain Primrose Ln	58,000	\$8,120	\$71,245	\$9,974	\$61,271
	297516 CNT PIPELN EXT	Ext 253 - Cole Ranch Rd	21,000	\$2,940	\$25,796	\$3,611	\$22,184
	297512 CNT PIPELN EXT	Extension 166 - Minks	233,000	\$37,280	\$292,646	\$46,823	\$245,823
	297513 CNT PIPELN EXT	Extension 9B - Levie	41,000	\$6,560	\$51,496	\$8,239	\$43,256
	297514 CNT PIPELN EXT	Extension 247 - Vista Hills	52,000	\$8,320	\$65,312	\$10,450	\$54,862
	297510 CNT PIPELN EXT	Ext 174A - Calzada Del Bosque	100,440	\$25,110	\$131,540	\$32,885	\$98,655
	297511 CNT PIPELN EXT	Ext 245 - Crosby Looped	67,707	\$16,927	\$88,671	\$22,168	\$66,504
	297508 CNT PIPELN EXT	Ext 238A - Pacifica Ranch	36,945	\$10,160	\$49,579	\$13,634	\$35,945
	297509 CNT PIPELN EXT	Ext 191A - Via De La Nola	24,330	\$6,691	\$32,650	\$8,979	\$23,672
	297504 CNT PIPELN EXT	Main Ext 242 - Rimmer	66,274	\$19,882	\$89,734	\$26,920	\$62,814
	297505 CNT PIPELN EXT	Ext 233 - Bella Vista Drive	84,620	\$25,386	\$114,574	\$34,372	\$80,202
	297506 CNT PIPELN EXT	Ext 151A - Church Of Nativity	7,476	\$2,243	\$10,122	\$3,037	\$7,086
	297507 CNT PIPELN EXT	Main Ext 231 - Artesian Rd	81,293	\$24,388	\$110,069	\$33,021	\$77,049
	297501 CNT PIPELN EXT	Ext 234 - Bella Collina	21,152	\$6,874	\$29,181	\$9,484	\$19,697
	297503 CNT PIPELN EXT	Ext 169 - Los Coches Village	161,778	\$52,578	\$223,190	\$72,537	\$150,653
	297502 CNT PIPELN EXT	Ext 230 - Rancho Valencia	104,351	\$33,914	\$143,963	\$46,788	\$97,175
	287501 CNT PIPELN EXT	El Apajo Estates (River Run)	12,476	\$3,493	\$18,162	\$5,085	\$13,076
	287502 CNT PIPELN EXT	Christopher Hill Duplexes	125,000	\$35,000	\$181,965	\$50,950	\$131,015
	287503 CNT PIPELN EXT	Christopher Hill Triplexes	169,500	\$47,460	\$246,745	\$69,089	\$177,657
	277500 CNT PIPELN EXT	Main Ext 186-Narcissus Summit	55,565	\$20,837	\$84,643	\$31,741	\$52,902
	277501 CNT PIPELN EXT	Main Ext 145B Fh & Water Svcs	27,013	\$10,130	\$41,149	\$15,431	\$25,718
	277503 CNT PIPELN EXT	Main Ext 239 Passo Fiore	58,762	\$22,036	\$89,513	\$33,568	\$55,946
	277502 CNT PIPELN EXT	Main Ext 196C Poco Log/Roxbury	67,500	\$25,313	\$102,824	\$38,559	\$64,265
	267505 CNT PIPELN EXT	Main Ext 229-Lux Art	62,199	\$24,880	\$98,164	\$39,266	\$58,898
	267501 CNT PIPELN EXT	Main Extension 186A	50,000	\$20,000	\$78,911	\$31,565	\$47,347
	267502 CNT PIPELN EXT	Main Extension 186B	45,800	\$18,320	\$72,283	\$28,913	\$43,370
	267503 CNT PIPELN EXT	Main Extension 186C	48,300	\$19,320	\$76,228	\$30,491	\$45,737
	267504 CNT PIPELN EXT	Main Extension 186D	28,500	\$11,400	\$44,979	\$17,992	\$26,988
	267506 CNT PIPELN EXT	Main Extension 214	44,000	\$17,600	\$69,442	\$27,777	\$41,665
	267507 CNT PIPELN EXT	Bridges Main Ext 145	285,241	\$114,096	\$450,175	\$180,070	\$270,105
	257501 CNT PIPELN EXT	Main Ext 201-Dixon	152,000	\$64,600	\$247,042	\$104,993	\$142,049
	247505 CNT PIPELN EXT	Extension 222	31,000	\$13,950	\$51,043	\$22,969	\$28,073
	247501 CNT PIPELN EXT	Main Ext 149C	73,000	\$32,850	\$120,197	\$54,089	\$66,108
	247502 CNT PIPELN EXT	Main Ext 220	25,800	\$11,610	\$42,481	\$19,116	\$23,364
	247503 CNT PIPELN EXT	Main Ext 224	48,000	\$21,600	\$79,034	\$35,565	\$43,469
	247504 CNT PIPELN EXT	Extension 227	39,000	\$17,550	\$64,215	\$28,897	\$35,318
	247506 CNT PIPELN EXT	Ext 219 - Rio Vista	51,100	\$22,995	\$84,138	\$37,862	\$46,276
	237506 CNT PIPELN EXT	Extension 212	21,000	\$9,975	\$37,609	\$17,864	\$19,745
	227505 CNT PIPELN EXT	Main Ext 207	64,000	\$32,000	\$116,615	\$58,308	\$58,308
	217504 CNT PIPELN EXT	Main Ext 205	57,000	\$29,925	\$106,387	\$55,853	\$50,534
	217502 CNT PIPELN EXT	Main Ext 195	26,000	\$13,650	\$48,528	\$25,477	\$23,051
	217503 CNT PIPELN EXT	Main Ext 211	81,200	\$42,630	\$151,555	\$79,567	\$71,989
	207501 CNT PIPELN EXT	Pipeline 99/00 Adds	454,300	\$249,865	\$866,986	\$476,842	\$390,144
	750164 CNT PIPELN EXT	Extension 149D	20,000	\$11,500	\$39,522	\$22,725	\$16,797
	750165 CNT PIPELN EXT	Extension 149B	71,000	\$40,825	\$140,302	\$80,673	\$59,628

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
750162	CNT PIPELN EXT	Pipeline 97/98 Adds	233,585	\$145,991	\$472,833	\$295,521	\$177,312
750163	CNT PIPELN EXT	Unit S Pipeline	469,415	\$293,384	\$950,210	\$593,882	\$356,329
750161	CNT PIPELN EXT	Rancho Cielo 27"	250,000	\$156,250	\$506,061	\$316,288	\$189,773
750160	CNT PIPELN EXT	P/L Ext #134A	96,500	\$62,725	\$198,470	\$129,006	\$69,465
750159	CNT PIPELN EXT	P/L Ext #193	28,000	\$18,200	\$57,587	\$37,432	\$20,156
750158	CNT PIPELN EXT	Ext #191	42,000	\$27,300	\$86,381	\$56,148	\$30,233
750156	CNT PIPELN EXT	P/L Ext# 192 '95	81,000	\$54,675	\$167,414	\$113,004	\$54,410
750155	CNT PIPELN EXT	P/L Ext# 142 '95	590,000	\$398,250	\$1,219,435	\$823,119	\$396,316
750157	CNT PIPELN EXT	P/L Ext# 149A '95	49,000	\$33,075	\$101,275	\$68,361	\$32,914
750154	CNT PIPELN EXT	P/L Ext# 194 '95	40,000	\$27,000	\$82,674	\$55,805	\$26,869
750151	CNT PIPELN EXT	P/L Ext 177	29,000	\$20,300	\$59,877	\$41,914	\$17,963
750153	CNT PIPELN EXT	P/L Ext 146	25,000	\$17,500	\$51,618	\$36,132	\$15,485
750152	CNT PIPELN EXT	P/L Ext 149	35,500	\$24,850	\$73,297	\$51,308	\$21,989
750145	CNT PIPELN EXT	P/L Ext # 184	15,500	\$11,238	\$32,275	\$23,400	\$8,876
750150	CNT PIPELN EXT	P/L Ext # 187	22,500	\$16,313	\$46,851	\$33,967	\$12,884
750146	CNT PIPELN EXT	P/L Ext # 172	59,000	\$42,775	\$122,854	\$89,069	\$33,785
750147	CNT PIPELN EXT	P/L Ext # 99A	36,000	\$26,100	\$74,962	\$54,347	\$20,615
750148	CNT PIPELN EXT	P/L Ext # 174	68,000	\$49,300	\$141,595	\$102,656	\$38,939
750149	CNT PIPELN EXT	P/L Ext # 178	41,000	\$29,725	\$85,373	\$61,896	\$23,478
750142	CNT PIPELN EXT	P/L Ext.#181	36,000	\$27,000	\$76,489	\$57,366	\$19,122
750140	CNT PIPELN EXT	P/L Ext.#157	37,500	\$28,125	\$79,676	\$59,757	\$19,919
750141	CNT PIPELN EXT	P/L Ext.#162	42,000	\$31,500	\$89,237	\$66,927	\$22,309
750143	CNT PIPELN EXT	P/L Ext.#157	21,000	\$15,750	\$44,618	\$33,464	\$11,155
750144	CNT PIPELN EXT	P/L Ext.#188	16,500	\$12,375	\$35,057	\$26,293	\$8,764
750135	CNT PIPELN EXT	P/L Ext #176	114,000	\$88,350	\$252,492	\$195,681	\$56,811
750137	CNT PIPELN EXT	P/L Ext #170	15,000	\$11,625	\$33,223	\$25,748	\$7,475
750132	CNT PIPELN EXT	P/L Ext #161	87,750	\$68,006	\$194,352	\$150,623	\$43,729
750134	CNT PIPELN EXT	P/L Ext #160	16,500	\$12,788	\$36,545	\$28,322	\$8,223
750138	CNT PIPELN EXT	P/L Ext #168	30,500	\$23,638	\$67,553	\$52,353	\$15,199
750136	CNT PIPELN EXT	P/L Ext #173	72,500	\$56,188	\$160,576	\$124,446	\$36,130
750139	CNT PIPELN EXT	P/L Ext #154	110,000	\$85,250	\$243,633	\$188,815	\$54,817
750130	CNT PIPELN EXT	P/L Ext. 101	152,000	\$121,600	\$342,023	\$273,619	\$68,405
750131	CNT PIPELN EXT	P/L Ext. 158	35,500	\$28,400	\$79,880	\$63,904	\$15,976
750125	CNT PIPELN EXT	P/L Ext. 88A	19,000	\$15,200	\$42,753	\$34,202	\$8,551
750126	CNT PIPELN EXT	P/L Ext. 151	87,000	\$69,600	\$195,763	\$156,611	\$39,153
750127	CNT PIPELN EXT	P/L Ext. 140	949,500	\$759,600	\$2,136,520	\$1,709,216	\$427,304
750128	CNT PIPELN EXT	P/L Ext. 104	75,000	\$60,000	\$168,761	\$135,009	\$33,752
750129	CNT PIPELN EXT	P/L Ext 155	42,500	\$34,000	\$95,631	\$76,505	\$19,126
750121	CNT PIPELN EXT	P/L Ext. 147	19,000	\$15,675	\$44,265	\$36,519	\$7,746
750122	CNT PIPELN EXT	P/L Ext 120	195,000	\$160,875	\$454,299	\$374,797	\$79,502
750123	CNT PIPELN EXT	P/L Ext 109A	50,500	\$41,663	\$117,652	\$97,063	\$20,589
750124	CNT PIPELN EXT	P/L Ext. 82	13,000	\$10,725	\$30,287	\$24,986	\$5,300
750117	CNT PIPELN EXT	P/L Extension #133	145,700	\$123,845	\$340,556	\$289,473	\$51,083
750118	CNT PIPELN EXT	P/L Extension #135	36,500	\$31,025	\$85,314	\$72,517	\$12,797
750120	CNT PIPELN EXT	P/L Extension #115A	442,000	\$375,700	\$1,033,122	\$878,154	\$154,968
750119	CNT PIPELN EXT	P/L Extension #129	20,000	\$17,000	\$46,748	\$39,735	\$7,012

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	750112 CNT PIPELN EXT	P/L Extension # 138	61,500	\$53,813	\$151,540	\$132,598	\$18,943
	750114 CNT PIPELN EXT	P/L Extension # 134	81,500	\$71,313	\$200,821	\$175,719	\$25,103
	750115 CNT PIPELN EXT	P/L Extension # 119	17,500	\$15,313	\$43,121	\$37,731	\$5,390
	750111 CNT PIPELN EXT	P/L Extension # 132	26,000	\$22,750	\$64,066	\$56,058	\$8,008
	750113 CNT PIPELN EXT	P/L Extension #136	23,500	\$20,563	\$57,906	\$50,667	\$7,238
	750116 CNT PIPELN EXT	P/L Extension # 139	15,000	\$13,125	\$36,961	\$32,341	\$4,620
	750106 CNT PIPELN EXT	P/L Extension # 92	25,728	\$23,155	\$63,651	\$57,286	\$6,365
	750107 CNT PIPELN EXT	P/L Extension # 113	22,500	\$20,250	\$55,665	\$50,098	\$5,566
	750109 CNT PIPELN EXT	P/L Extension # 72	64,500	\$58,050	\$159,572	\$143,615	\$15,957
	750110 CNT PIPELN EXT	P/L Extension # 112	44,640	\$40,176	\$110,439	\$99,395	\$11,044
	750104 CNT PIPELN EXT	P/L Extension # 127	185,000	\$166,500	\$457,687	\$411,918	\$45,769
	750103 CNT PIPELN EXT	Extension 116	50,000	\$46,250	\$123,824	\$114,537	\$9,287
	750105 CNT PIPELN EXT	P/L Extension # 111	105,000	\$97,125	\$260,031	\$240,529	\$19,502
	750099 CNT PIPELN EXT	Extension 123	157,000	\$145,225	\$388,808	\$359,648	\$29,161
	750100 CNT PIPELN EXT	Extension 124	12,800	\$11,840	\$31,699	\$29,322	\$2,377
	750101 CNT PIPELN EXT	Extension 125	164,000	\$151,700	\$406,144	\$375,683	\$30,461
	750102 CNT PIPELN EXT	Extension 128	107,500	\$99,438	\$266,222	\$246,256	\$19,967
	750097 CNT PIPELN EXT	Extension 96	23,500	\$22,325	\$60,264	\$57,251	\$3,013
	750098 CNT PIPELN EXT	Extension 122	41,500	\$39,425	\$106,423	\$101,102	\$5,321
	750096 CNT PIPELN EXT	Extension 128	107,500	\$102,125	\$275,675	\$261,891	\$13,784
	750092 CNT PIPELN EXT	Ext 108	151,400	\$147,615	\$403,283	\$393,201	\$10,082
	750094 CNT PIPELN EXT	Ext 118	45,000	\$43,875	\$119,866	\$116,870	\$2,997
	750095 CNT PIPELN EXT	Ext 118 Off-Site	56,500	\$55,088	\$150,499	\$146,736	\$3,762
	750091 CNT PIPELN EXT	Ext 105	20,000	\$19,500	\$53,274	\$51,942	\$1,332
	750093 CNT PIPELN EXT	Ext 115	45,000	\$43,875	\$119,866	\$116,870	\$2,997
	750069 CNT PIPELN EXT	Extension #52	24,650	\$13,804	\$81,050	\$45,388	\$35,662
	750070 CNT PIPELN EXT	Extension #74	11,400	\$6,384	\$37,483	\$20,991	\$16,493
	750071 CNT PIPELN EXT	Extension #73	18,600	\$10,416	\$61,157	\$34,248	\$26,909
	750072 CNT PIPELN EXT	Extension #75	10,400	\$5,824	\$34,195	\$19,149	\$15,046
	750073 CNT PIPELN EXT	Extension #79	13,500	\$7,560	\$44,388	\$24,857	\$19,531
	750074 CNT PIPELN EXT	Extension #86	34,000	\$19,040	\$111,792	\$62,604	\$49,189
	750076 CNT PIPELN EXT	Ext 29 Supplement	3,145	\$1,761	\$10,341	\$5,791	\$4,550
	750075 CNT PIPELN EXT	Extension #84	53,000	\$29,680	\$174,265	\$97,588	\$76,676
	750059 CNT PIPELN EXT	Extension #50	41,151	\$23,593	\$152,542	\$87,457	\$65,085
	750064 CNT PIPELN EXT	Extension #75	10,400	\$5,963	\$38,552	\$22,103	\$16,449
	750065 CNT PIPELN EXT	Extension #76	16,000	\$9,173	\$59,310	\$34,004	\$25,306
	750060 CNT PIPELN EXT	Extension #56	14,912	\$8,550	\$55,277	\$31,692	\$23,585
	750062 CNT PIPELN EXT	Extension #68	34,400	\$19,723	\$127,517	\$73,110	\$54,407
	750063 CNT PIPELN EXT	Extension #69	11,430	\$6,553	\$42,370	\$24,292	\$18,078
	750066 CNT PIPELN EXT	Extension #77	24,207	\$13,879	\$89,733	\$51,447	\$38,286
	750067 CNT PIPELN EXT	Extension #78	13,400	\$7,683	\$49,672	\$28,479	\$21,193
	750061 CNT PIPELN EXT	Extension #60	32,600	\$18,691	\$120,844	\$69,284	\$51,560
	750053 CNT PIPELN EXT	Extension #71	20,800	\$12,203	\$82,006	\$48,110	\$33,896
	750055 CNT PIPELN EXT	Extension #63	7,800	\$4,576	\$30,752	\$18,041	\$12,711
	750057 CNT PIPELN EXT	Extension #57	16,000	\$9,387	\$63,082	\$37,008	\$26,074
	750054 CNT PIPELN EXT	Extension #65	11,200	\$6,571	\$44,157	\$25,906	\$18,252

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	750056 CNT PIPELN EXT	Snypes & Salerno	20,950	\$12,291	\$82,598	\$48,457	\$34,140
	750058 CNT PIPELN EXT	Extension #67	7,300	\$4,283	\$28,781	\$16,885	\$11,896
	750042 CNT PIPELN EXT	Extension #41	37,271	\$22,860	\$209,387	\$128,424	\$80,963
	750045 CNT PIPELN EXT	Extension #44	12,015	\$7,369	\$67,501	\$41,400	\$26,100
	750046 CNT PIPELN EXT	Extension #45	16,380	\$10,046	\$92,022	\$56,440	\$35,582
	750038 CNT PIPELN EXT	Extension #37	5,200	\$3,189	\$29,213	\$17,917	\$11,296
	750039 CNT PIPELN EXT	Extension #38	16,022	\$9,827	\$90,008	\$55,205	\$34,803
	750040 CNT PIPELN EXT	Extension #39	22,643	\$13,888	\$127,206	\$78,020	\$49,186
	750041 CNT PIPELN EXT	Extension #40	22,701	\$13,923	\$127,533	\$78,220	\$49,313
	750044 CNT PIPELN EXT	Extension #43	5,248	\$3,219	\$29,480	\$18,081	\$11,399
	750047 CNT PIPELN EXT	Extension #47	10,148	\$6,224	\$57,011	\$34,966	\$22,044
	750048 CNT PIPELN EXT	Extension #48	9,558	\$5,862	\$53,695	\$32,933	\$20,762
	750051 CNT PIPELN EXT	Extension #53	10,401	\$6,379	\$58,434	\$35,839	\$22,594
	750043 CNT PIPELN EXT	Extension #42	4,000	\$2,453	\$22,472	\$13,783	\$8,689
	750049 CNT PIPELN EXT	Extension #49	7,467	\$4,580	\$41,949	\$25,729	\$16,220
	750036 CNT PIPELN EXT	Extension #35	12,642	\$7,922	\$77,091	\$48,310	\$28,781
	750037 CNT PIPELN EXT	Extension #36	5,316	\$3,403	\$35,501	\$22,720	\$12,780
	750031 CNT PIPELN EXT	Extension #30	9,757	\$6,374	\$69,448	\$45,373	\$24,075
	750033 CNT PIPELN EXT	Extension #32	1,069	\$698	\$7,609	\$4,971	\$2,638
	750032 CNT PIPELN EXT	Extension #31	3,761	\$2,508	\$28,943	\$19,295	\$9,648
	750034 CNT PIPELN EXT	Extension #33	6,043	\$4,029	\$46,497	\$30,998	\$15,499
	750030 CNT PIPELN EXT	Extension #29	12,307	\$8,205	\$94,700	\$63,133	\$31,567
	750035 CNT PIPELN EXT	Extension #34	10,274	\$6,849	\$79,053	\$52,702	\$26,351
	750028 CNT PIPELN EXT	Extension #27	2,326	\$1,581	\$19,842	\$13,493	\$6,350
	750029 CNT PIPELN EXT	Extension #28	2,217	\$1,508	\$18,917	\$12,863	\$6,053
	750020 CNT PIPELN EXT	Extension #19	10,759	\$7,603	\$114,356	\$80,812	\$33,544
	750027 CNT PIPELN EXT	Extension #26	3,075	\$2,173	\$32,685	\$23,098	\$9,588
	750022 CNT PIPELN EXT	Extension #21	1,350	\$954	\$14,350	\$10,140	\$4,209
	750026 CNT PIPELN EXT	Extension #25	4,437	\$3,135	\$47,162	\$33,328	\$13,834
	750025 CNT PIPELN EXT	Extension #24	31,000	\$21,907	\$329,510	\$232,854	\$96,656
	750021 CNT PIPELN EXT	Extension #20	1,000	\$720	\$11,678	\$8,409	\$3,270
	750023 CNT PIPELN EXT	Extension #22	11,155	\$8,032	\$130,273	\$93,797	\$36,477
	750024 CNT PIPELN EXT	Extension #23	22,033	\$15,864	\$257,312	\$185,265	\$72,047
	750018 CNT PIPELN EXT	Extension #18	3,681	\$2,700	\$46,234	\$33,905	\$12,329
	750017 CNT PIPELN EXT	Extension #17	15,100	\$11,073	\$189,645	\$139,073	\$50,572
	750015 CNT PIPELN EXT	Extension #15	1,200	\$896	\$15,885	\$11,860	\$4,024
	750011 CNT PIPELN EXT	Extension #11	1,250	\$966	\$18,008	\$13,926	\$4,082
	750013 CNT PIPELN EXT	Extension #13	2,000	\$1,547	\$28,822	\$22,289	\$6,533
	294704 CNT PIPELNS-REC	RANCHO LAKES UNIT 3	167,141	\$25,071	\$202,229	\$30,334	\$171,895
	294403 CNT PIPELNS-REC	SDUHS DISTRICT WS & FDC INSTALL	16,612	\$1,993	\$20,099	\$2,412	\$17,687
	294402 CNT PIPELNS-REC	RSF FARMS RECYCLED RETROFIT PROJECT	18,710	\$2,245	\$22,638	\$2,717	\$19,921
	727631 CNT PIPELNS-REC	Rancho Santa Fe Lakes Unit 2, TM 5069	35,000	\$5,600	\$43,960	\$7,034	\$36,926
	727629 CNT PIPELNS-REC	Rsf Lakes - Old Course Rd	803,650	\$144,657	\$1,051,964	\$189,354	\$862,611
	727630 CNT PIPELNS-REC	Mission Ranch	100,550	\$18,099	\$131,618	\$23,691	\$107,927
	294406 CNT PIPELNS-REC	4S Nbhd #3, Units 3 & 4	336,513	\$84,128	\$440,709	\$110,177	\$330,532
	294405 CNT PIPELNS-REC	Fbrcc - Upsize Recycled Wtrline	377,892	\$113,368	\$511,660	\$153,498	\$358,162

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
727627	CNT PIPELNS-REC	4S Ranch Nbhd 3 Unit 2	62,081	\$14,899	\$84,057	\$20,174	\$63,883
727628	CNT PIPELNS-REC	Del Norte High School	7,854	\$1,885	\$10,634	\$2,552	\$8,082
294401	CNT PIPELNS-REC	Nw Quadrant (Initial Const)	5,168,500	\$1,679,762	\$7,130,483	\$2,317,407	\$4,813,076
294404	CNT PIPELNS-REC	La Costa Glen Phase 1	352,644	\$114,609	\$486,509	\$158,115	\$328,394
727624	CNT PIPELNS-REC	Dove Canyon Apartments	6,545	\$2,127	\$9,030	\$2,935	\$6,095
727625	CNT PIPELNS-REC	4S Ranch Nbhd 3 Unit 1	451,824	\$146,843	\$623,338	\$202,585	\$420,753
727626	CNT PIPELNS-REC	4S Ranch Recycled Prs #2	86,479	\$22,485	\$119,307	\$31,020	\$88,287
284401	CNT PIPELNS-REC	Crosby Estates 5073-7	74,000	\$20,720	\$107,724	\$30,163	\$77,561
284402	CNT PIPELNS-REC	4S Ranch Nbhd 2 Unit 3	353,375	\$98,945	\$514,416	\$144,037	\$370,380
274400	CNT PIPELNS-REC	La Costa Oaks S Cmno Junipero	114,519	\$42,945	\$174,449	\$65,418	\$109,031
274401	CNT PIPELNS-REC	La Costa Oaks Nbhd 3.10-3.15	125,000	\$46,875	\$190,415	\$71,406	\$119,009
274402	CNT PIPELNS-REC	Crosby @ Rsf Tm 5073-1	119,000	\$44,625	\$181,275	\$67,978	\$113,297
274403	CNT PIPELNS-REC	Crosby Tm 5073-2	508,600	\$190,725	\$774,761	\$290,535	\$484,225
274404	CNT PIPELNS-REC	Crosby Unit 3 Tm 5073-3	32,000	\$12,000	\$48,746	\$18,280	\$30,466
274405	CNT PIPELNS-REC	Crosby Tm 5073-4	69,400	\$26,025	\$105,718	\$39,644	\$66,074
274406	CNT PIPELNS-REC	Unit Rb-1 Pipeline - Sfv	278,803	\$83,641	\$424,706	\$127,412	\$297,294
274407	CNT PIPELNS-REC	Unit Ra-2 Pipeline - Sfv	59,245	\$17,773	\$90,248	\$27,075	\$63,174
727622	CNT PIPELNS-REC	4S Ranch Community Park	13,357	\$5,009	\$20,347	\$7,630	\$12,717
727623	CNT PIPELNS-REC	4S Ranch Nbhd 1 Backbone	1,384,736	\$519,276	\$2,109,396	\$791,024	\$1,318,373
440601	CNT PIPELNS-REC	Unit Ra - 1	250,587	\$100,235	\$395,482	\$158,193	\$237,289
727602	CNT PIPELNS-REC	Unit Ra-Bernardo Lks	60,189	\$19,261	\$94,992	\$30,398	\$64,595
727603	CNT PIPELNS-REC	Alav Rd 12" Rclmd Pl	152,412	\$48,772	\$240,540	\$76,973	\$163,567
727604	CNT PIPELNS-REC	Alva Rd 12" Rclmd Pl	49,924	\$15,976	\$78,792	\$25,213	\$53,578
727619	CNT PIPELNS-REC	4S Ranch Unit 8	47,000	\$18,800	\$74,177	\$29,671	\$44,506
727620	CNT PIPELNS-REC	4S Ranch Nbhd 2 #1	189,699	\$75,880	\$299,388	\$119,755	\$179,633
727621	CNT PIPELNS-REC	4S Ranch Nbhd 2 #2	289,408	\$115,763	\$456,751	\$182,700	\$274,051
430502	CNT PIPELNS-REC	Unit Rb-2	193,533	\$82,252	\$314,546	\$133,682	\$180,864
440501	CNT PIPELNS-REC	Unit Rb-2 Pipeline	380,535	\$161,727	\$618,476	\$262,852	\$355,624
440502	CNT PIPELNS-REC	Unit Rc-1 P/L	515,879	\$219,249	\$838,448	\$356,340	\$482,107
727615	CNT PIPELNS-REC	4S Planning Area 26	1,600	\$680	\$2,600	\$1,105	\$1,495
727616	CNT PIPELNS-REC	4S Planning Area 25	3,900	\$1,658	\$6,339	\$2,694	\$3,645
727617	CNT PIPELNS-REC	4S Planning Area 15	22,000	\$9,350	\$35,756	\$15,196	\$20,560
727618	CNT PIPELNS-REC	4S Planning Area 12	16,500	\$7,013	\$26,817	\$11,397	\$15,420
727614	CNT PIPELNS-REC	Christopher Hill	107,500	\$48,375	\$177,003	\$79,651	\$97,351
212204	PIPELINES	EL CAMINO REAL PIPELINE REPLACEMENT	5,076,152	\$126,904	\$5,255,218	\$131,380	\$5,123,837
212205	PIPELINES	MANCHESTER PIPELINE	3,476,154	\$86,904	\$3,598,778	\$89,969	\$3,508,809
212207	PIPELINES	STRATFORD HOA PIPELINE	94,493	\$2,362	\$97,826	\$2,446	\$95,381
212209	PIPELINES	VILLAGE VIEW RD PIPELINE REPAIR	56,870	\$1,422	\$58,876	\$1,472	\$57,404
212210	PIPELINES	GARDENVIEW CT PIPELINE REPAIR	38,402	\$960	\$39,757	\$994	\$38,763
212201	PIPELINES	STEEL MAINS PROTECTION	83,378	\$2,084	\$86,319	\$2,158	\$84,161
212202	PIPELINES	METER ANODES	8,913	\$223	\$9,228	\$231	\$8,997
212203	PIPELINES	VALVE REPLACEMENT FY2122	721,971	\$18,049	\$747,439	\$18,686	\$728,754
212206	PIPELINES	PIPELINE REPLACEMENTS FY2122	76,605	\$1,915	\$79,307	\$1,983	\$77,324
212208	PIPELINES	CIRCO DIEGUENO CT	38,777	\$969	\$40,145	\$1,004	\$39,142
202145	PIPELINES	MORNING SUN PRS	568,902	\$28,445	\$636,523	\$31,826	\$604,697
202141	PIPELINES	FY 20/21 VALVE REPLACEMENTS	1,298,166	\$64,908	\$1,452,470	\$72,623	\$1,379,846

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	202142 PIPELINES	STEEL MAINS PROTECTION	86,915	\$4,346	\$97,246	\$4,862	\$92,384
	202144 PIPELINES	METER ANODES - FY 20/21	37,675	\$1,884	\$42,153	\$2,108	\$40,045
	202143 PIPELINES	LUSARDI CANYON CORROSION PROTECTION	300,457	\$15,023	\$336,170	\$16,809	\$319,362
	297851 PIPELINES	RANCHO SANTA FE RD VALVE REPLACEMENT	76,643	\$5,748	\$85,346	\$6,401	\$78,945
	297853 PIPELINES	INDIAN HEAD CYN PL ADD'L PROTECTION WORK	47,495	\$14,248	\$52,888	\$15,866	\$37,022
	297850 PIPELINES	FY 2020 VALVE REPLACEMENTS	649,284	\$48,696	\$723,012	\$54,226	\$668,786
	297852 PIPELINES	UNIT AA PIPELINE ADD'L PROTECTION WORK	150,898	\$22,635	\$168,033	\$25,205	\$142,828
	297854 PIPELINES	STEEL MAINS PROTECTION	69,117	\$5,184	\$76,965	\$5,772	\$71,193
	297855 PIPELINES	METER ANODES	28,149	\$2,111	\$31,346	\$2,351	\$28,995
	297822 PIPELINES	OLIVENHAIN RD MAIN/VALVE RPLCMNT - EMERG	62,215	\$6,222	\$70,283	\$7,028	\$63,255
	297823 PIPELINES	CADENCIA VALVE REPLACEMENT	43,351	\$4,335	\$48,973	\$4,897	\$44,076
	297824 PIPELINES	MAIN EXT 235A - PHASE 2	215,925	\$21,592	\$243,926	\$24,393	\$219,533
	297826 PIPELINES	MANCHESTER 14" CATHODIC PROTECTION	29,887	\$2,989	\$33,763	\$3,376	\$30,386
	297821 PIPELINES	FY 2019 VALVE REPLACEMENTS	1,284,986	\$128,499	\$1,451,622	\$145,162	\$1,306,460
	297825 PIPELINES	STEEL MAINS PROTECTION	40,410	\$4,041	\$45,650	\$4,565	\$41,085
	297827 PIPELINES	METER ANODES REPLACEMENT	17,520	\$1,752	\$19,792	\$1,979	\$17,813
	707221 PIPELINES	EXT 235A PHASE I	113,705	\$14,213	\$131,804	\$16,475	\$115,328
	297812 PIPELINES	FY 2018 VALVE REPLACEMENTS	1,748,504	\$218,563	\$2,026,810	\$253,351	\$1,773,459
	297803 PIPELINES	FY 2017 VALVE REPLACEMENTS	1,190,492	\$178,574	\$1,440,413	\$216,062	\$1,224,351
	297804 PIPELINES	FY 2017 STEEL MAINS PROTECTION	36,161	\$5,424	\$43,752	\$6,563	\$37,189
	297802 PIPELINES	PALMS RESERVOIR PIPELINE	386,711	\$58,007	\$467,893	\$70,184	\$397,709
	297287 PIPELINES	HYDRANT - DORADO PLACE	20,377	\$4,890	\$24,655	\$5,917	\$18,738
	297288 PIPELINES	HYDRANT - ESFERA & CORNER PIRAGUA	25,245	\$6,059	\$30,545	\$7,331	\$23,214
	297289 PIPELINES	HYDRANT - ESFERA & CORNER CABO WAY	20,568	\$4,936	\$24,886	\$5,973	\$18,913
	297290 PIPELINES	HYDRANT - CARVALLO CT & CADENCIA ST	25,547	\$6,131	\$30,910	\$7,418	\$23,492
	297291 PIPELINES	HYDRANT - 7940 DIXIE LANE	30,238	\$7,257	\$36,586	\$8,781	\$27,805
	297292 PIPELINES	HYDRANT (3) AVENIDA LA POSTA	37,210	\$8,930	\$45,022	\$10,805	\$34,216
	297293 PIPELINES	HYDRANT - VILLAGE RUN EAST & EASTWOOD LN	24,305	\$5,833	\$29,407	\$7,058	\$22,350
	297294 PIPELINES	HYDRANT-4" BRANCH @ VILLAGE RUN E	44,172	\$10,601	\$53,445	\$12,827	\$40,618
	297295 PIPELINES	HYDRANT (4) SHANAS LANE	50,761	\$12,183	\$61,417	\$14,740	\$46,677
	297296 PIPELINES	HYDRANT (3) VANESSA CIRCLE	46,445	\$11,147	\$56,195	\$13,487	\$42,708
	297297 PIPELINES	HYDRANT - 1509 LINDA SUE LANE	32,071	\$7,697	\$38,804	\$9,313	\$29,491
	297298 PIPELINES	HYDRANT (2) - HONEYCOMB CT - ENCINITAS	24,216	\$5,812	\$29,300	\$7,032	\$22,268
	297299 PIPELINES	HYDRANT (3) COUNTRYHAVEN RD	37,970	\$9,113	\$45,941	\$11,026	\$34,915
	297300 PIPELINES	HYDRANT (2) - SPRINGDALE LANE	30,660	\$7,358	\$37,096	\$8,903	\$28,193
	297500 PIPELINES	HYDRANT (2) MISTY CIRCLE	46,622	\$11,189	\$56,409	\$13,538	\$42,871
	297600 PIPELINES	HYDRANT - 1851 AUTUM PLACE	21,209	\$5,090	\$25,661	\$6,159	\$19,503
	297700 PIPELINES	HYDRANT/INLINE - 2104 VALLEYDALE LANE	28,578	\$6,859	\$34,577	\$8,299	\$26,279
	297800 PIPELINES	HYDRANT/BRANCH - 2144 VALLEYDALE LN	23,431	\$5,623	\$28,350	\$6,804	\$21,546
	297285 PIPELINES	FY 2016 CATHODIC TEST STATIONS	5,707	\$2,283	\$6,905	\$2,762	\$4,143
	297286 PIPELINES	DEEP WELL ANODES - UNIT G SPUR	61,433	\$14,744	\$74,330	\$17,839	\$56,491
	297801 PIPELINES	FY 2016 VALVES (60) - LESS THAN \$20K EA	852,603	\$204,625	\$1,031,591	\$247,582	\$784,009
	297274 PIPELINES	Thornton Pump Station Pipeline Relo	164,676	\$28,818	\$202,282	\$35,399	\$166,883
	297279 PIPELINES	Valve 409 Village Center WSV9168	29,077	\$8,142	\$35,717	\$10,001	\$25,716
	297280 PIPELINES	Valve 20169 Colina Encantada WSVN5121	24,939	\$6,983	\$30,634	\$8,578	\$22,057
	297281 PIPELINES	Valve 2107 Mt Vista WSVF9103	21,637	\$6,058	\$26,578	\$7,442	\$19,136

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297283 PIPELINES	Valve 218 Sierra Ridge WSVF10163	20,672	\$5,788	\$25,393	\$7,110	\$18,283
	297276 PIPELINES	Deep Well Anode Unit K (EAM #WMLK51019)	10,950	\$3,066	\$13,450	\$3,766	\$9,684
	297277 PIPELINES	FY 2015 Cathodic Protection	18,860	\$8,801	\$23,167	\$10,811	\$12,356
	297278 PIPELINES	FY 2015 Meter Anode Replacements	60,114	\$28,053	\$73,842	\$34,460	\$39,382
	297284 PIPELINES	FY 2015 Valve Replacements	1,244,177	\$348,369	\$1,528,297	\$427,923	\$1,100,374
	297273 PIPELINES	20" P/L Rplc (218lf) @ RSF Lakes Unit 3	43,435	\$7,601	\$53,353	\$9,337	\$44,017
	297275 PIPELINES	14" P/L Rplc (104lf) @ 520 Vault Unit 3	285,943	\$50,040	\$351,241	\$61,467	\$289,774
	297282 PIPELINES	24" Butterfly Valve Unit Z PS WSVQ15103	22,916	\$6,416	\$28,149	\$7,882	\$20,267
	297269 PIPELINES	10" Inline Valve 322 Sierra Ridge	21,250	\$6,800	\$26,690	\$8,541	\$18,149
	297271 PIPELINES	Encinitas Village Center - 13 Hydrants	162,000	\$51,840	\$203,471	\$65,111	\$138,360
	297266 PIPELINES	FY 2014 Cathodic Replacements	52,177	\$10,435	\$65,534	\$13,107	\$52,427
	297267 PIPELINES	FY 2014 Meter Anode Replacements	76,459	\$15,292	\$96,031	\$19,206	\$76,825
	297268 PIPELINES	FY 2014 Deep Well Anode Replacements	96,237	\$19,247	\$120,873	\$24,175	\$96,698
	297272 PIPELINES	FY 2014 Valve Replacements	1,008,953	\$322,865	\$1,267,238	\$405,516	\$861,722
	297270 PIPELINES	18" Valve Replacement La Costa Town Cntr	68,000	\$21,760	\$85,408	\$27,330	\$58,077
	297264 PIPELINES	Golem Reservoir Pipeline Replacement	73,554	\$14,711	\$92,383	\$18,477	\$73,906
	297248 PIPELINES	San Elijo Jpa Connection	115,454	\$25,977	\$151,128	\$34,004	\$117,124
	297254 PIPELINES	8" Vlve Rplc-Overland/Pheasant	21,130	\$4,754	\$27,659	\$6,223	\$21,436
	297246 PIPELINES	Olivenhain 9 & 10 Svc Connect	400,480	\$90,108	\$524,222	\$117,950	\$406,272
	297253 PIPELINES	12" Branch Valve @ Gaty	25,100	\$5,648	\$32,855	\$7,392	\$25,463
	297256 PIPELINES	Valve Replacements Fy 2013	651,021	\$146,480	\$852,175	\$191,739	\$660,436
	297257 PIPELINES	Unit Aa Valves	141,131	\$31,754	\$184,738	\$41,566	\$143,172
	297258 PIPELINES	Unit Aa Pipeline	8,559,556	\$1,925,900	\$11,204,313	\$2,520,970	\$8,683,342
	297259 PIPELINES	Unit Aa PI Capital Interest	2,051,234	\$461,528	\$2,685,030	\$604,132	\$2,080,898
	297261 PIPELINES	Deep Well Anodes	13,600	\$3,060	\$17,803	\$4,006	\$13,797
	297262 PIPELINES	Cathodic Test Stations Fy 2013	33,634	\$7,568	\$44,027	\$9,906	\$34,121
	297263 PIPELINES	Meter Anodes Fy 2013	28,491	\$6,411	\$37,295	\$8,391	\$28,903
	297245 PIPELINES	Elfin Forest 12" Looped P/L	566,941	\$127,562	\$742,115	\$166,976	\$575,140
	297247 PIPELINES	Interconnect W/San Dieguito	183,499	\$41,287	\$240,197	\$54,044	\$186,153
	297249 PIPELINES	Elfin Forest 12" P/L Rplcmnt	354,427	\$79,746	\$463,939	\$104,386	\$359,553
	297250 PIPELINES	Harmony Grv-Via Ambiente P/L	638,141	\$143,582	\$835,315	\$187,946	\$647,369
	297251 PIPELINES	Valve/Inline Valve Replacement	71,965	\$16,192	\$94,201	\$21,195	\$73,006
	297255 PIPELINES	Valve Rplc-Esmt E Stonebridge	25,660	\$5,774	\$33,589	\$7,557	\$26,031
	297252 PIPELINES	6611 Lago Corte Valve Rplcmnt	20,470	\$4,606	\$26,795	\$6,029	\$20,766
	297260 PIPELINES	Unit Z Vfd Repairs	23,386	\$5,262	\$30,612	\$6,888	\$23,724
	297235 PIPELINES	Hydrant Valve @ 3315 Cabo Ct	20,013	\$5,003	\$26,209	\$6,552	\$19,657
	297240 PIPELINES	Hydrant Valve-Romeria/Garbosa	39,002	\$9,750	\$51,078	\$12,770	\$38,309
	297241 PIPELINES	Hydrant Valve @ 3304 Azahar	33,851	\$8,463	\$44,333	\$11,083	\$33,250
	297242 PIPELINES	Hydrant Valve @ 7708 Morada	28,376	\$7,094	\$37,163	\$9,291	\$27,872
	297227 PIPELINES	Fy12 Cathodic Test Stations	102,201	\$25,550	\$133,846	\$33,461	\$100,384
	297228 PIPELINES	Fy12 Meter Anodes	102,764	\$25,691	\$134,584	\$33,646	\$100,938
	297244 PIPELINES	Fy12 Valve Replacements	513,394	\$128,349	\$672,359	\$168,090	\$504,269
	297229 PIPELINES	Rectifier #9 Deep Well Anode	16,790	\$4,197	\$21,988	\$5,497	\$16,491
	297230 PIPELINES	Mt Israel Deep Well Anode	17,662	\$4,416	\$23,131	\$5,783	\$17,348
	297231 PIPELINES	Rectifier #1 Deep Well Anode	81,547	\$20,387	\$106,796	\$26,699	\$80,097
	297232 PIPELINES	Rectifier #29 Deep Well Anode	56,916	\$14,229	\$74,539	\$18,635	\$55,904

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297233 PIPELINES	Fy12 Deep Well Anodes	21,581	\$5,395	\$28,263	\$7,066	\$21,197
	297234 PIPELINES	Mt Israel Pipeline	599,953	\$149,988	\$785,719	\$196,430	\$589,290
	297243 PIPELINES	10" Valve-Paint Mtn Air N Vac	20,928	\$5,232	\$27,407	\$6,852	\$20,556
	297236 PIPELINES	Hydrant Valve @ Brava Del Rey	34,446	\$8,611	\$45,111	\$11,278	\$33,833
	297237 PIPELINES	Hydrant Valve @ Calle Major	40,641	\$10,160	\$53,225	\$13,306	\$39,918
	297238 PIPELINES	14" Inline Gate Valve-CI Major	68,376	\$17,094	\$89,548	\$22,387	\$67,161
	297239 PIPELINES	Rw Valve @ Dove Cyn/Lone Quail	21,536	\$5,384	\$28,204	\$7,051	\$21,153
	297213 PIPELINES	Blue Heron Pipeline Rplcmnt	166,588	\$45,812	\$223,558	\$61,478	\$162,079
	297211 PIPELINES	Meter Anode Replacement	86,228	\$23,713	\$115,716	\$31,822	\$83,894
	297212 PIPELINES	Bldg J Potable Line	87,265	\$23,998	\$117,108	\$32,205	\$84,903
	297226 PIPELINES	Fy10/11 Valve Replacements	310,809	\$85,472	\$417,099	\$114,702	\$302,397
	297210 PIPELINES	Deep Well Anodes	30,115	\$8,282	\$40,414	\$11,114	\$29,300
	297214 PIPELINES	Borrelli'S Center P/L Rplcmnt	54,506	\$14,989	\$73,146	\$20,115	\$53,031
	297215 PIPELINES	Hydrant Valve - Saragosa	17,392	\$4,783	\$23,340	\$6,418	\$16,921
	297216 PIPELINES	Valve - 3503 Cmnto Sierra	16,297	\$4,482	\$21,870	\$6,014	\$15,856
	297217 PIPELINES	Branch Valve & 8"X6" Tee	28,182	\$7,750	\$37,820	\$10,400	\$27,419
	297218 PIPELINES	Hydrant Valve - Linda Sue Lane	80,850	\$22,234	\$108,499	\$29,837	\$78,662
	297219 PIPELINES	In-Line Valve	14,892	\$4,095	\$19,985	\$5,496	\$14,489
	297220 PIPELINES	10" Branch Valve-Cerro/Taegon	20,383	\$5,605	\$27,354	\$7,522	\$19,831
	297221 PIPELINES	Takeoff Valve	17,392	\$4,783	\$23,340	\$6,418	\$16,921
	297222 PIPELINES	Hydrant Valve - 408 Cerro	20,146	\$5,540	\$27,036	\$7,435	\$19,601
	297223 PIPELINES	Detector Check Valve	20,539	\$5,648	\$27,563	\$7,580	\$19,983
	297224 PIPELINES	Hydrant Valve - 172 N El Cmno	18,668	\$5,134	\$25,052	\$6,889	\$18,163
	297225 PIPELINES	8" Occlude Valve	60,320	\$16,588	\$80,948	\$22,261	\$58,687
	297209 PIPELINES	Valve Replacements	190,426	\$57,128	\$257,834	\$77,350	\$180,484
	297208 PIPELINES	Rectifier #24 Harris Rnch Rplc	40,847	\$12,254	\$55,306	\$16,592	\$38,714
	297207 PIPELINES	4S-1 Reservoir Inlet Pipeline	2,819,199	\$676,608	\$3,817,151	\$916,116	\$2,901,035
	297203 PIPELINES	Valve Replacements	290,542	\$94,426	\$400,832	\$130,271	\$270,562
	297201 PIPELINES	Main 24-Fortuna Ranch Rd Rplc	2,712,511	\$881,566	\$3,742,191	\$1,216,212	\$2,525,979
	297204 PIPELINES	Rectifier 8 Anode Replacement	16,081	\$8,362	\$22,185	\$11,536	\$10,649
	297205 PIPELINES	Rectifier 21 Anode Replacement	16,142	\$8,394	\$22,269	\$11,580	\$10,689
	297206 PIPELINES	Lady'S Secret Anode Rplcmnt	17,905	\$9,310	\$24,701	\$12,845	\$11,857
	297202 PIPELINES	Rancho Cielo 24" Ball Valve	144,879	\$47,086	\$199,876	\$64,960	\$134,916
	287201 PIPELINES	Valve Replacements	127,601	\$44,660	\$185,752	\$65,013	\$120,739
	287202 PIPELINES	Cathodic/Corrosion Rplcmnt Pgm	41,546	\$14,541	\$60,480	\$21,168	\$39,312
	277204 PIPELINES	Manchester Rd P/L Replacement	1,163,946	\$349,184	\$1,773,063	\$531,919	\$1,241,144
	277205 PIPELINES	Agua Dulce P/L Replacement	244,233	\$73,270	\$372,045	\$111,613	\$260,431
	277202 PIPELINES	Valve Replacement Program	175,062	\$65,648	\$266,675	\$100,003	\$166,672
	277203 PIPELINES	Cathodic Test Station Rpr/Rplc	12,525	\$4,697	\$19,080	\$7,155	\$11,925
	277201 PIPELINES	Unit V2 Pipeline	161,884	\$48,565	\$246,602	\$73,981	\$172,621
	267201 PIPELINES	Shelley Project	210,931	\$67,498	\$332,897	\$106,527	\$226,370
	267204 PIPELINES	Rsf Pipeline Relo	528,499	\$169,120	\$834,090	\$266,909	\$567,181
	267208 PIPELINES	Cathodic Test Stat	17,858	\$7,143	\$28,184	\$11,274	\$16,910
	267203 PIPELINES	Unit G-1 Pipeline	4,316,728	\$1,381,353	\$6,812,770	\$2,180,086	\$4,632,684
	267207 PIPELINES	Valve Rplcmnt Pgm	168,159	\$67,263	\$265,392	\$106,157	\$159,235
	267211 PIPELINES	Raw Water Pipeline	70,028	\$22,409	\$110,520	\$35,366	\$75,154

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	267202 PIPELINES	Denk Inflow Pipeline	2,351,304	\$752,417	\$3,710,887	\$1,187,484	\$2,523,403
	267205 PIPELINES	Denk Outflow P/L	643,643	\$205,966	\$1,015,813	\$325,060	\$690,753
	267209 PIPELINES	Unit S-1 Valve	66,709	\$26,684	\$105,283	\$42,113	\$63,170
	267206 PIPELINES	Unit V3 & V4 P/L	598,079	\$191,385	\$943,904	\$302,049	\$641,855
	267210 PIPELINES	Unit W-2 Pipeline	23,990	\$7,677	\$37,861	\$12,116	\$25,746
	267212 PIPELINES	Unit X P/L Construct	1,654,350	\$529,392	\$2,610,937	\$835,500	\$1,775,437
	727201 PIPELINES	Ext 153 Capacity	820,040	\$468,594	\$1,294,208	\$739,547	\$554,661
	247202 PIPELINES	Vons Center P/L Rplc	33,584	\$15,113	\$55,296	\$24,883	\$30,413
	247203 PIPELINES	Looped P/L Off Heers	78,029	\$35,113	\$128,477	\$57,815	\$70,663
	247204 PIPELINES	48 P/L East Inspect	22,202	\$11,418	\$36,557	\$18,801	\$17,756
	247205 PIPELINES	W-2 Extension	155,209	\$69,844	\$255,557	\$115,001	\$140,556
	247201 PIPELINES	San Dieguito Rd P/L	278,598	\$125,369	\$458,722	\$206,425	\$252,297
	237205 PIPELINES	Woodwind P/L Rplcmnt	267,163	\$126,902	\$478,462	\$227,270	\$251,193
	237206 PIPELINES	Gaty Intertie & P/L	151,268	\$71,852	\$270,905	\$128,680	\$142,225
	237209 PIPELINES	Pipelines East	3,548,517	\$1,926,338	\$6,355,041	\$3,449,879	\$2,905,162
	237210 PIPELINES	Pipelines East	3,559,452	\$1,352,592	\$6,374,623	\$2,422,357	\$3,952,266
	237212 PIPELINES	Pipelines West	4,221,696	\$2,291,778	\$7,560,637	\$4,104,346	\$3,456,291
	237213 PIPELINES	Pipelines West	4,221,696	\$1,604,244	\$7,560,637	\$2,873,042	\$4,687,595
	237207 PIPELINES	Unit W-1 Pipeline	994,681	\$472,474	\$1,781,375	\$846,153	\$935,222
	237214 PIPELINES	Unit W-2 Pipeline	813,231	\$386,285	\$1,456,416	\$691,797	\$764,618
	237215 PIPELINES	Unit V-5 Pipeline	198,716	\$94,390	\$355,881	\$169,043	\$186,837
	227204 PIPELINES	Manchester P/L Rplc	124,055	\$62,027	\$226,041	\$113,021	\$113,021
	217202 PIPELINES	Rsf Rd Widening	56,020	\$29,411	\$104,559	\$54,894	\$49,666
	217203 PIPELINES	Rsf P/L Phase I	371,288	\$194,926	\$692,988	\$363,819	\$329,169
	217201 PIPELINES	Camino Del Norte P/L	82,681	\$43,407	\$154,319	\$81,017	\$73,301
	217618 PIPELINES	V-1 Pipeline	166,412	\$87,366	\$310,598	\$163,064	\$147,534
	720153 PIPELINES	Unit S Pipeline	1,321,525	\$825,953	\$2,675,089	\$1,671,930	\$1,003,158
	720141 PIPELINES	Pacific P/L - Valves	12,213	\$7,938	\$25,118	\$16,327	\$8,791
	720140 PIPELINES	Manchester Road '95	18,937	\$12,783	\$39,141	\$26,420	\$12,721
	720134 PIPELINES	#7A 24" Main	1,662,910	\$1,164,037	\$3,433,427	\$2,403,399	\$1,030,028
	720136 PIPELINES	#8/9 Main Ext 17/30	382,499	\$267,750	\$789,751	\$552,825	\$236,925
	720135 PIPELINES	93/94 Mains	75,248	\$52,674	\$155,366	\$108,756	\$46,610
	720131 PIPELINES	Stratford Estates	52,942	\$38,383	\$110,239	\$79,923	\$30,316
	720132 PIPELINES	Fortuna Stratford	1,438,498	\$1,042,911	\$2,995,349	\$2,171,628	\$823,721
	720133 PIPELINES	Mains (92-93)	17,107	\$12,403	\$35,622	\$25,826	\$9,796
	720128 PIPELINES	Elfin Forest Rd #6	4,720	\$3,540	\$10,030	\$7,522	\$2,507
	720130 PIPELINES	Mains 92	31,769	\$23,827	\$67,498	\$50,624	\$16,875
	720121 PIPELINES	Mains-Rsf Road	64,217	\$49,768	\$142,231	\$110,229	\$32,002
	720122 PIPELINES	Mains-Olivenhn Road	26,896	\$20,844	\$59,570	\$46,167	\$13,403
	720126 PIPELINES	Rsf Rd P/L-Resurface	51,969	\$40,276	\$115,104	\$89,205	\$25,898
	720123 PIPELINES	Main-Elfin Forest Rd	406,679	\$315,177	\$900,730	\$698,066	\$202,664
	720124 PIPELINES	Mains-Omwd Ext. 101A	73,842	\$57,228	\$163,548	\$126,750	\$36,798
	720125 PIPELINES	Mains (91)	24,284	\$18,820	\$53,785	\$41,684	\$12,102
	720127 PIPELINES	Del Dios Hwy Crossng	54,221	\$42,022	\$120,092	\$93,071	\$27,021
	720103 PIPELINES	#4 Rncho S.F. Road	683,590	\$546,872	\$1,538,182	\$1,230,546	\$307,636
	720105 PIPELINES	#14A Manchester Road	15,544	\$12,435	\$34,976	\$27,981	\$6,995

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	720109 PIPELINES	#7C 24" Main	10,142	\$8,113	\$22,820	\$18,256	\$4,564
	720114 PIPELINES	#4 Rsf Rd P/L Over-	273,061	\$218,449	\$614,430	\$491,544	\$122,886
	720120 PIPELINES	#5A Olivenhain Road	122,992	\$98,393	\$276,750	\$221,400	\$55,350
	720104 PIPELINES	#6 Elfin Forest Road	249,476	\$199,581	\$561,360	\$449,088	\$112,272
	720110 PIPELINES	Unit R Pipeline	158,867	\$127,093	\$357,474	\$285,979	\$71,495
	720112 PIPELINES	89-90 Mains- General	20,183	\$16,147	\$45,415	\$36,332	\$9,083
	720116 PIPELINES	Unit Q P/L Ext.111	86,199	\$68,959	\$193,960	\$155,168	\$38,792
	720118 PIPELINES	Unit S Pipeline	25,883	\$20,706	\$58,240	\$46,592	\$11,648
	720115 PIPELINES	Unit P - P/L	11,476	\$9,180	\$25,822	\$20,657	\$5,164
	720117 PIPELINES	Del Dios Hiway Cross	145,701	\$116,561	\$327,850	\$262,280	\$65,570
	720098 PIPELINES	Bumann P/L Sta.	81,223	\$67,009	\$189,227	\$156,112	\$33,115
	720096 PIPELINES	Conn #3 Construction	152,000	\$125,400	\$354,120	\$292,149	\$61,971
	720097 PIPELINES	Unit R P/L	1,366,642	\$1,127,480	\$3,183,918	\$2,626,733	\$557,186
	720099 PIPELINES	Unit P P/L	146,391	\$120,772	\$341,052	\$281,368	\$59,684
	720092 PIPELINES	Repl Anode Bed 30"PI	66,221	\$56,287	\$154,783	\$131,565	\$23,217
	720094 PIPELINES	Part Ext. 115A	23,836	\$20,261	\$55,715	\$47,357	\$8,357
	720095 PIPELINES	Mains 1987-88	12,424	\$10,560	\$29,039	\$24,684	\$4,356
	720091 PIPELINES	Pressure Reducing St	37,014	\$32,387	\$91,205	\$79,805	\$11,401
	720086 PIPELINES	Major P/L Replace/Ad	66,466	\$59,819	\$164,435	\$147,991	\$16,443
	720088 PIPELINES	Mains / 1985/86	18,339	\$16,505	\$45,371	\$40,834	\$4,537
	720084 PIPELINES	Major P/L Additions	221,475	\$204,864	\$548,479	\$507,343	\$41,136
	720085 PIPELINES	Major P/L Additions	246,775	\$228,267	\$611,134	\$565,299	\$45,835
	720083 PIPELINES	Pressure Reducing St	34,362	\$31,785	\$85,097	\$78,715	\$6,382
	720078 PIPELINES	S D River X-Ing	120,342	\$117,333	\$320,554	\$312,540	\$8,014
	720013 PIPELINES	Unit "H"	310,287	\$194,447	\$1,892,112	\$1,185,724	\$706,389
	720002 PIPELINES	Unit "J"	85,352	\$54,626	\$569,945	\$364,765	\$205,180
	720003 PIPELINES	Harmony Grove	40,867	\$26,155	\$272,891	\$174,651	\$98,241
	720001 PIPELINES	Unit "G"	960,243	\$842,319	\$7,388,697	\$6,481,313	\$907,384
	720010 PIPELINES	Trans Main To N Area	55,618	\$37,820	\$474,517	\$322,672	\$151,846
	720009 PIPELINES	La Costa Off Site	58,206	\$40,356	\$568,516	\$394,171	\$174,345
	297856 PIPELINES-REC	LUSARDI CREEK EXT 153	333,537	\$25,015	\$371,412	\$27,856	\$343,556
	297857 PIPELINES-REC	EXT 153A - SURF CUP	737,362	\$55,302	\$821,091	\$61,582	\$759,510
	707220 PIPELINES-REC	WANDERING ROAD RECYCLED EXTENSION	213,720	\$26,715	\$247,738	\$30,967	\$216,771
	707222 PIPELINES-REC	AVENIDA LA POSTA	88,432	\$11,054	\$102,507	\$12,813	\$89,694
	707208 PIPELINES-REC	VP PL SECTION B - WIEGAND RESERVOIR	354,348	\$53,152	\$428,737	\$64,310	\$364,426
	707209 PIPELINES-REC	VP PIPELINE SECTION D - EASEMENT	1,362,153	\$204,323	\$1,648,111	\$247,217	\$1,400,895
	707210 PIPELINES-REC	VP PL SECTION E - MOUNTAIN VISTA	2,306,054	\$345,908	\$2,790,166	\$418,525	\$2,371,641
	707211 PIPELINES-REC	VP PL SECTION F - FLORA VISTA ELEMENTARY	914,842	\$137,226	\$1,106,896	\$166,034	\$940,861
	707212 PIPELINES-REC	VP PL SECTION G-VILLAGE PKWY/GLEN ARBOR	1,506,511	\$225,977	\$1,822,774	\$273,416	\$1,549,358
	707213 PIPELINES-REC	VP PL SECTION H - EAST MOUNTAIN VISTA	789,283	\$118,392	\$954,978	\$143,247	\$811,731
	707214 PIPELINES-REC	VP PL SECTION I - PARKDALE ELEMETARY	1,015,385	\$152,308	\$1,228,546	\$184,282	\$1,044,264
	707215 PIPELINES-REC	VP PL SECTION K - COUNTRYHAVEN	1,289,753	\$193,463	\$1,560,512	\$234,077	\$1,326,435
	707216 PIPELINES-REC	VP PL SECTION L - GOLF COURSE	845,749	\$126,862	\$1,023,298	\$153,495	\$869,803
	707217 PIPELINES-REC	VP PL SECTION M - SHADY TREE	132,196	\$19,829	\$159,948	\$23,992	\$135,956
	707218 PIPELINES-REC	RSF FARMS HOA RECYCLED EXTENSION	22,800	\$3,420	\$27,586	\$4,138	\$23,448
	727207 PIPELINES-REC	Ext 252 Mission Estancia	191,166	\$38,233	\$240,104	\$48,021	\$192,083

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
284304	PIPELINES-REC	Dist Office Irrig Lateral	65,992	\$18,148	\$88,560	\$24,354	\$64,206
727206	PIPELINES-REC	Campania Ave P/L Replacement	270,795	\$74,469	\$363,402	\$99,935	\$263,466
294303	PIPELINES-REC	Sd Recycled Connection #2	1,168,585	\$280,460	\$1,582,245	\$379,739	\$1,202,506
294301	PIPELINES-REC	Rancho Santa Fe Rd Rcyld P/L	463,370	\$120,476	\$639,267	\$166,209	\$473,057
294302	PIPELINES-REC	Nw Quadrant (Initial Const)	757,088	\$246,054	\$1,044,481	\$339,456	\$705,025
274301	PIPELINES-REC	Unit Rb-1 Pipeline - Sfv	79,954	\$23,986	\$121,796	\$36,539	\$85,257
274302	PIPELINES-REC	Unit Ra-2 Pipeline - Sfv	265,562	\$79,669	\$404,536	\$121,361	\$283,175
727202	PIPELINES-REC	Unit Ra-Bernardo Lks	183,484	\$58,715	\$289,579	\$92,665	\$196,913
727203	PIPELINES-REC	Unit Ra - 4S Ranch	341,383	\$109,243	\$538,779	\$172,409	\$366,370
727204	PIPELINES-REC	Alva Rd - 12" Rclmd	464,619	\$148,678	\$733,274	\$234,648	\$498,626
727205	PIPELINES-REC	Alva Rd 12" Rclmd PI	152,192	\$48,701	\$240,193	\$76,862	\$163,331
430501	PIPELINES-REC	Unit Ra-1	366,482	\$155,755	\$595,636	\$253,145	\$342,490
			244,823,552	89,709,734	423,469,752	201,386,136	222,083,616

APPENDIX D:
Engineering News-Record's Los Angeles -
City Construction Cost Index

Engineering News-Record City Cost Index (CCI), Los Angeles Area

Year	Construction Cost Average	CCI	Year	Construction Cost Average	CCI	Year	Construction Cost Average	CCI
1908	97	139.06	1946	346	38.9845	1984	5259.93	2.56442
1909	91	148.23	1947	413	32.6602	1985	5446.69	2.47649
1910	96	140.51	1948	461	29.2595	1986	5452.2	2.47398
1911	93	145.04	1949	477	28.2781	1987	5474.14	2.46407
1912	91	148.23	1950	510	26.4483	1988	5770.84	2.33738
1913	100	134.89	1951	543	24.841	1989	5789.77	2.32974
1914	89	151.56	1952	569	23.7059	1990	5994.55	2.25015
1915	93	145.04	1953	600	22.4811	1991	6090.12	2.21484
1916	130	103.76	1954	628	21.4787	1992	6348.55	2.12468
1917	181	74.52	1955	660	20.4373	1993	6477.84	2.08228
1918	189	71.37	1956	692	19.4923	1994	6532.95	2.06471
1919	198	68.12	1957	724	18.6307	1995	6526.22	2.06684
1920	251	53.74	1958	759	17.7716	1996	6558.44	2.05669
1921	202	66.78	1959	797	16.9243	1997	6663.55	2.02424
1922	174	77.52	1960	824	16.3697	1998	6851.95	1.96859
1923	214	63.03	1961	847	15.9252	1999	6825.97	1.97608
1924	215	62.74	1962	872	15.4686	2000	7068.04	1.9084
1925	207	65.16	1963	901	14.9708	2001	7226.92	1.86645
1926	208	64.85	1964	936	14.411	2002	7402.75	1.82211
1927	206	65.48	1965	971	13.8915	2003	7531.77	1.7909
1928	207	65.16	1966	1019	13.2371	2004	8192.14	1.64654
1929	207	65.16	1967	1074	12.5593	2005	8299.28	1.62528
1930	203	66.45	1968	1155	11.6785	2006	8546.72	1.57823
1931	181	74.52	1969	1269	10.6294	2007	8854.77	1.52332
1932	157	85.91	1970	1381	9.76731	2008	9265.94	1.45572
1933	170	79.35	1971	1581	8.53172	2009	9777.19	1.3796
1934	198	68.12	1972	1753	7.69461	2010	9962.19	1.35398
1935	196	68.82	1973	1895	7.11802	2011	10051.3	1.34198
1936	206	65.48	1974	2020	6.67755	2012	10299.55	1.30963
1937	235	57.40	1975	2212	6.09794	2013	10304.68	1.30898
1938	236	57.16	1976	2401	5.61793	2014	10739.43	1.25599
1939	236	57.16	1977	2576	5.23628	2015	10981.02	1.22836
1940	242	55.74	1978	3421.25	3.94261	2016	11148.28	1.20993
1941	258	52.28	1979	3638.81	3.70688	2017	11636.49	1.15917
1942	276	48.87	1980	4102.37	3.28801	2018	11940.25	1.12968
1943	290	46.51	1981	4530.96	2.977	2019	12113.16	1.11355
1944	299	45.11	1982	4934.14	2.73374	2020	12055.68	1.11886
1945	308	43.79	1983	5063.89	2.66369	2021	13029.04	1.03528
						2022	13488.65	1

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Rainy Selamat, Finance Manager
Via: Kimberly Thorner, General Manager
Subject: **CONSIDER ADOPTION OF A RESOLUTION MAKING CALIFORNIA ENVIRONMENTAL QUALITY ACT EXEMPTION FINDINGS TO ESTABLISH WATER CAPACITY FEES WITHIN ZONES OF BENEFIT IN THE DISTRICT, AND ORDER A NOTICE OF EXEMPTION BE FILED WITH THE COUNTY CLERK OF THE COUNTY OF SAN DIEGO**

Purpose

The purpose of this agenda item is to ask the Board to consider adoption of a Resolution exempting the 2023 water capacity fees within zones of benefit from California Environmental Quality Act (CEQA), and to authorize a Notice of Exemption (NOE) to be signed by the District's General Manager and filed with the County Clerk of the County of San Diego. The District's proposed increase to capacity fees qualifies as exempt under CEQA guidelines.

The attached Resolution and NOE have been reviewed by the District's General Counsel, Mr. Alfred Smith.

Recommendation

Staff is recommending that the Board consider and adopt the Resolution and file the NOE to commence the 35-day statute of limitations period for filing protests. The proposed increase to the District's capacity fees qualifies as exempt as defined by CEQA guidelines 15378(b)(4), 15061(b)(3), 15273(a)(1), 15273(a)(3), and 15273(a)(4).

Alternatives

The Board may decide to (1) not declare the District's water capacity fees as exempt from CEQA, or (2) may adopt the Resolution but not file the NOE with the County Clerk's office, in which case the 180-day statute of limitations for filing protests would automatically apply.

Background

The District is planning to increase capacity fees by using the Capacity Buy-in methodology to calculate capacity fees with a 5 year phase-in, as shown in the 2023 Water Capacity Fee Study Report. The Capacity Buy-in methodology calculates capacity fees by dividing the value of the District's water system by its capacity to arrive at build-out capacity per equivalent dwelling unit (EDU).

Revenue collected from capacity fees will be used to pay for the District's planned capital expenditures as well as reimbursing the existing users for capital investment in the District's transmission and distribution system. The fees will not be used to expand existing levels of water service and are therefore exempt from CEQA.

Fiscal Impact

There is no fiscal impact for the adoption of the Resolution other than a \$50 fee to file the NOE with the County Clerk.

Discussion

The Board conducted a public hearing on water capacity fee increases on July 19, 2023. Notification of the July 19th public hearing was posted in the San Diego Union Tribune on July 7th and July 14th and posted on the District's website. The notice of public hearing was sent electronically to the Building Industry Association on June 20th.

There were no oral or written comments received regarding the proposed water capacity fee increases for 2023.

Attachments: **Attachment 1** – Ordinance
Exhibit A – Water Capacity Study Report (Raftelis)
Exhibit B – Notice of Exemption

Attachment 1

RESOLUTION NO. 2023-

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
OLIVENHAIN MUNICIPAL WATER DISTRICT MAKING
CALIFORNIA ENVIRONMENTAL QUALITY ACT EXEMPTION
FINDINGS FOR THE ESTABLISHMENT OF REVISED CAPACITY
FEES WITHIN ZONES OF BENEFIT AND ORDERING A NOTICE
OF EXEMPTION FILED WITH THE COUNTY CLERK, COUNTY
OF SAN DIEGO**

WHEREAS, the Olivenhain Municipal Water District Board of Directors has approved increased water capacity fees within the District's established Zones of Benefit effective October 16, 2023, for the purpose of obtaining funds for capital projects necessary to maintain service within existing service areas; and

WHEREAS, pursuant to the California Environmental Quality Act, State of California (CEQA) Guidelines, the Olivenhain Municipal Water District Board of Directors has caused to be prepared a Notice of Exemption according to the State of California of Public Resources Code Section 21080; and

WHEREAS, following presentation of information on capacity fees on June 21, 2023 by District staff, the Board of Directors published notice and held a public hearing in accordance with Government Code Sections 60013, 66016, and 66018 on Wednesday, July 19, 2023 to consider the District's water capacity fee adjustments included in the 2023 Water Capacity Fee Study Report; and

WHEREAS, prior to approving the increased water capacity fees within Zones of Benefit, the Board reviewed the data and recommendations contained in the 2023 Water Capacity Fee Study Report, which is attached hereto and incorporated herein by reference as Exhibit "A" describing the need and basis for capacity fees effective October 16, 2023; and

WHEREAS, adjustments to the District's water capacity fees within Zones of Benefit is consistent with Article 13 of the District's Administrative and Ethics Code; and

WHEREAS, having heard, considered, and reviewed the report and information from interested persons who expressed their views to the Board of Directors, and being fully advised regarding the consequences of establishing capacity fees within Zones of Benefit, it is in the interest of the Olivenhain Municipal Water District and the people it serves to order a Notice of Exemption filed with the County Clerk, County of San Diego.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Olivenhain Municipal Water District as follows:

SECTION 1: The Board finds and determines that all of the foregoing recitals are true and correct and supported by substantial evidence; and the Recitals are hereby incorporated herein and made an operative part of this Resolution.

SECTION 2: The Board finds and determines that the increased capacity fees effective October 16, 2023 within established Zones of Benefit are necessary to obtain funds for capital projects required to maintain existing levels of service within the District's existing service areas.

SECTION 3: In accordance with the California Environmental Quality Act Guidelines, the Board finds and determines that establishing increased capacity fees within the District's established Zones of Benefit effective October 16, 2023 is exempt from CEQA on the following grounds:

- 1) The capacity fees being modified are not a "Project" as defined by Guidelines Section 15378 (b)(4).
- 2) The Project is exempt in accordance with Guidelines Sections 15273(a)(1), 15273(a)(3), and 15273 (a)(4).
- 3) The activity will not have any significant effect on the environment and is exempt in accordance with Guidelines Section 15061(b)(3). The rates will not be used to expand capacity within existing service areas. The Board of Directors finds and determines that the rates established by this Ordinance will not authorize or approve any project and will not expand existing levels of service.

SECTION 4: The Board of Directors of the Olivenhain Municipal Water District finds and determines that establishing capacity fees and Zones of Benefit effective October 16, 2023 is exempt for the following reasons:

- 1) No Project. The Project is a continuing administrative activity of the District, which will not result in any physical change in the environment. The establishing of capacity fees and Zones of Benefit are not being considered in conjunction with the approval of any specific project under CEQA, will not authorize or approve any project, and will be used solely to maintain service within existing service areas.
- 2) Exemption. The new capacity fees are being set based upon detailed engineering and accounting evaluations of the District's capital costs necessary to maintain existing levels of service in the District's existing service areas. No project under CEQA is being approved in conjunction with the rate increase, and the funds will be used to maintain existing levels of service and not to expand the water system.
- 3) No Significant Effect. The activity will not have any significant effect of the environment. The establishing of capacity fees and Zones of Benefit have

been set to maintain existing service within the District's existing service areas. The activity is not being considered in conjunction with any specific development activity, and no project is being approved or authorized.

- 4) Justification and Reasons. The Board of Directors finds that the justifications and reasons for the proposed fees are set forth in Exhibit "B" attached hereto and incorporated herein.

SECTION 5: The Olivenhain Municipal Water District Board of Directors orders and directs that the foregoing exemptions and reasons be made a part of the Notice of Exemption and that a Notice of Exemption be filed with the County Clerk, County of San Diego forthwith.

PASSED, ADOPTED AND APPROVED at the regular meeting of the Board of Directors of the Olivenhain Municipal Water District held on August 16, 2023.

Christy Guerin, President
Board of Directors
Olivenhain Municipal Water District

ATTEST:

Lawrence A. Watt, Secretary
Board of Directors
Olivenhain Municipal Water District

Olivenhain Municipal Water District

Water Capacity Fee Study

June 14, 2023



June 14, 2023

Ms. Kimberly Thorner
Ms. Rainy Selamat
Finance Manager
Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024

Subject: Water Capacity Fee Study

Dear Ms. Thorner,

Raftelis is pleased to provide this Water Capacity Fee Report (Report) to Olivenhain Municipal Water District (District). This Report details the methodology and calculations used to determine the water capacity fee.

We have calculated fees for ultimate buildout conditions under the capacity buy-in method for the different zones in the District. There are significant changes to existing water capacity fees based on detailed review of the assets used in the different zones.

It has been a pleasure working with District Staff and we thank Leo Mendez, Rainy Selamat, and Lindsey Stephenson, for the support provided during this Study.

Sincerely,

Raftelis

Sudhir Pardiwala
Executive Vice President

Sarah Wingfield
Associate Consultant

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Glossary of Terms

Buy-in method – An approach to determining capacity fees based on the value of the existing system's capacity. This method is typically used when the existing system has sufficient capacity to serve new development; may also be used in conjunction with the incremental cost method resulting in the hybrid approach. There are two approaches under the buy-in method. The first is based on the existing demand in the system and called Equity buy-in, the second is **Capacity buy-in or System buy-in** where the value is based on the total capacity of the system. This results typically in a lower capacity fee as the system capacity is typically more than the demand of the existing users.

Capacity – The water utility's ability to have a certain quantity or level of resources available to meet the water service needs of its customers. Including quantity, quality, peak loads, and other service requirements of the various customers or classes of customers served by the utility.

Capacity fee – A contribution of capital toward existing or planned future facilities necessary to meet the service needs of new customers to which such fees apply. Three methods used to determine the amount of these charges are the buy-in method, the incremental cost method, and the hybrid approach which includes elements of the first two methods. Various terms are used to describe these charges in the industry, but these charges are intended to provide funds to be used to finance all or part of capital improvements necessary to serve new customers.

Contribution in aid of construction (CIAC) – Any amount of money, services, or property received by a water utility from any person or developer or governmental agency that is provided at no cost to the utility.

Debt – An obligation resulting from the borrowing of money or from the purchase of goods and services for the purpose of constructing utility long-lived fixed assets.

Debt service – The amounts of money necessary to pay interest and principal requirements for a given series of years.

Depreciation – The loss in service value not restored by current maintenance as applied to depreciable plant facilities. Depreciation is incurred in connection with the consumption or prospective retirement of plant facilities in the course of providing service. This depreciation is the result of causes known to be in current operation and against which the utility is not protected by insurance. Among the causes are wear and tear, decay, action of the elements, inadequacy, obsolescence, changes in technology, changes in demand, and requirements of public authorities. The proper level of depreciation expense at any given time should be based on the costs of depreciable plant in service. The funds resulting from depreciation are available for replacements, improvements, expansion of the system, or for repayment of the principal portion of outstanding debt.

Equivalent dwelling unit – a single family unit is typically defined as an equivalent dwelling unit (EDU). For water service the standard meter is considered to be one EDU. For the District, the standard meter size for single family residential connections is $\frac{3}{4}$ -inch.

Equivalent meter- ratio – The ratio of the cost of investment in larger meters and services to those of a base meter size, such as the $\frac{3}{4}$ -inch meter typically used for residential customers.

Incremental cost method – An approach to determining capacity fees based on the value or cost to expand the existing system's capacity. This method is typically used when the existing system has limited or no capacity to serve

new development and new or incremental facilities are needed to serve new development now and into the future; may also be used in conjunction with the buy-in method resulting in the combined cost approach.

Hybrid approach – An approach to determining capacity fees based on a blended value of both the existing and expanded system's capacity. This method is typically used where some capacity is available in parts of the existing system (e.g., source of supply), but new or incremental capacity will need to be built in other parts (e.g., treatment plant) to serve new development at some point in the future; a combination of the buy-in and incremental cost approaches.

Original cost – The cost at which an asset is purchased, also called book value.

Replacement cost – The current cost of replacing an asset. Typically, an asset purchased years ago will cost more to replace now because of inflation. One method of determining the current value of an asset is by using inflation factors. The Engineering News-Record Construction Cost Index is widely used to determine current value.

Replacement cost less depreciation – is the depreciated value of the replacement cost. Since the current users have used the asset, it is no longer new and this cost represents a better value of the asset than the new cost.

Unit of service – An element of service for which a cost can be ascertained, such as EDUs, thousand gallons, hundred cubic feet, million gallons per day, etc.

1. Executive Summary

In Spring 2022, the Olivenhain Municipal Water District (District) engaged Raftelis to conduct an analysis of its water capacity fees and to document this analysis in a written report. This Water Capacity Fee Study Report (Report) supersedes the 2011 Water Capacity Fee Study and provides a detailed summary of our analysis in which we determined updated water capacity fees in accordance with Government Code Section 66013. The results of this study are independent of prior studies. The analysis presented in this report utilizes the capacity buy-in method to calculate the water capacity fees. Proposed capacity fees for water are based on meter size for all customers. Numbers shown in all the tables of this report are rounded; therefore, hand calculations based on the displayed numbers, such as summing or multiplying, may not equal the exact results shown.

1.1. Background of the Study

The District provides water services to a population of approximately 87,000 in Encinitas, Carlsbad, San Diego, Solana Beach, and neighboring communities. The District is a member of the San Diego County Water Authority (SDCWA), from which it purchases all of its potable water supply. The District also provides recycled water to its customers. Recycled water is produced at the District's water reclamation facility or purchased from the City of San Diego, Santa Fe Valley Community Services District, Vallecitos Water District, and the San Elijo Joint Powers Authority. The District's water system is nearly built-out and can accommodate new connections resulting from the projected minimal growth. The water system comprises approximately 466 miles of pipe ranging from 0.5-48 inches in diameter, 1 potable water treatment plant, 1 water reclamation facility, 18 reservoirs, and 10 pump stations. The District is considering investing in local water supply projects such as the San Dieguito Valley Groundwater project and will continue to expand its Recycled Water System to reduce its reliance on imported water from SDCWA. The District's other capital improvement programs mainly consist of betterment and replacement of its water infrastructures.

Capacity fees are one-time fees assessed by the District to new users as a condition of establishing a new connection to the District's water system or at the expansion of an already existing connection. The capacity fee requires new users, to pay for their share of costs to construct facilities required to provide their utility service, or, in the case of increased density, their increase of intensity use. Revenues generated through capacity fees are used to finance costs associated with the water facilities required to serve customers in their zones of benefits. These fees are designed to be proportional to the demand placed on the system by the new or expanded connection. The primary objective of establishing a capacity fee is to provide an equitable means by which new system users (or existing customers requiring additional capacity) may contribute their fair-share towards the costs associated with the water facilities required to serve them. This way, capacity fee revenues in effect, reimburse existing users (through lower rates) for costs they have incurred to build and maintain capacity for new users in their zones of benefits. The recommended capacity fees for the service area do not exceed the estimated reasonable costs of providing the facilities for which they are collected and are of proportional benefit to the property being charged.

In accordance with the District's Administrative and Ethics Code, the District evaluates capacity fees on annual basis to determine if appropriate funds are being collected to pay for necessary future capital and replacement projects and updates the fees to present value using the Engineering News Record Construction Cost Index for Los Angeles (ENR-CCI-LA).

The District retained Raftelis to assist in updating the 2011 Water Capacity Fee Study. The purpose of this update is to:

- Update existing water capacity fees, which includes:
 - Assessing the methodology of calculating the fees by meter size and the Zone of Benefit. A map showing the Zone of Benefit is included in **Figure 1-1**
 - Adding additional assets and depreciation since 2011 (when the last capacity fee study was completed).
 - Update asset valuations to fiscal year 2021/22 dollars.
 - Review existing and future equivalent dwelling units (EDUs).
 - Update calculated pipeline replacement costs based on:
 - Revised lineal feet of pipelines based on the District's latest GIS data.
 - Cost per inch per lineal foot, based on the midpoint of recent pipeline constructions bids.
 - Review fiscal year 2022/23 water capital improvement projects.

- Validate the methodology of calculating and assessing the fees by Zone of Benefit.

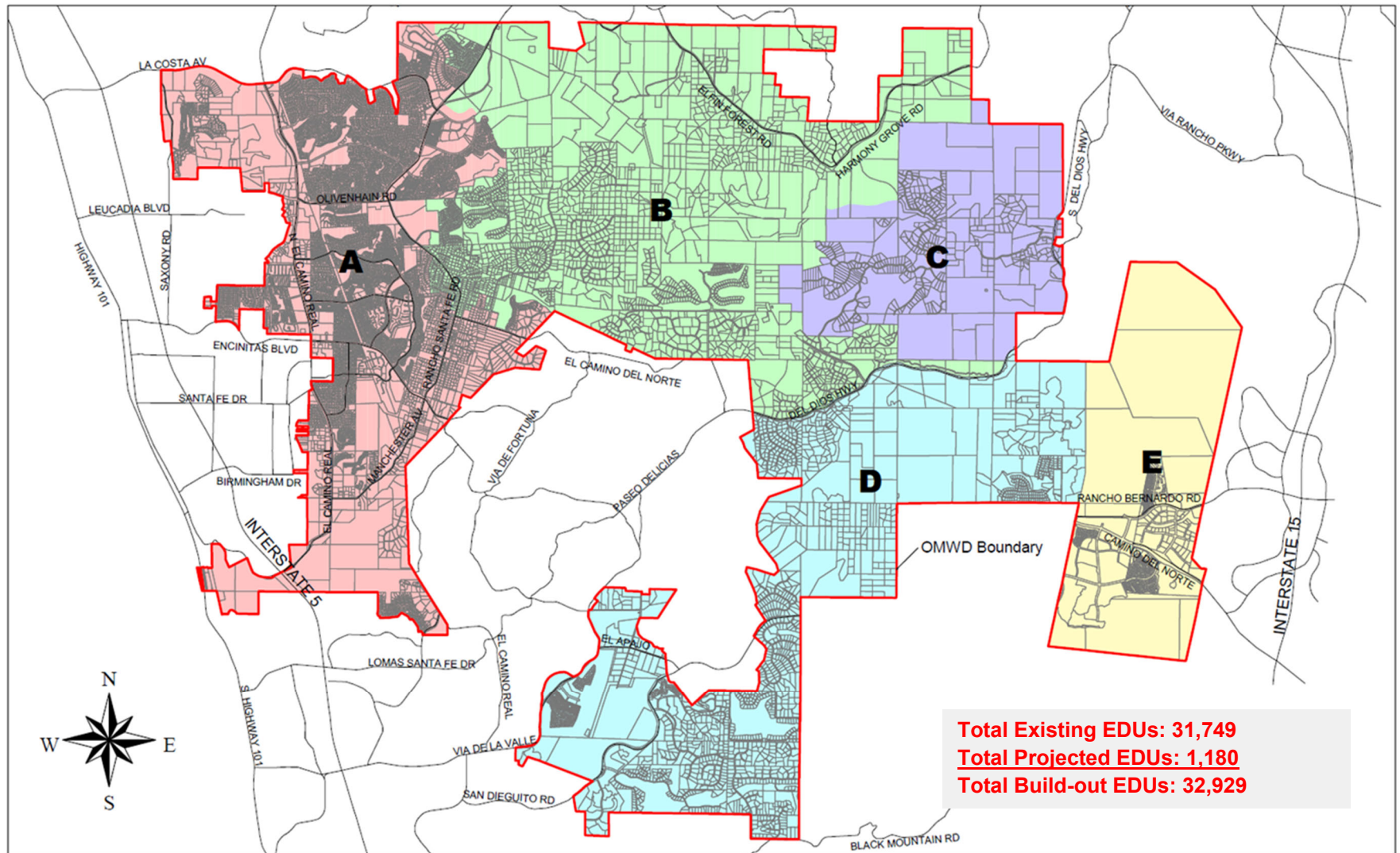
1.2. Current Water Capacity Fees

Table 1-1 shows the District's current water capacity fees by zone and meter size. The current capacity fee schedule was developed in 2011 and has annually adjusted with inflation as measured by the Engineering News-Record Construction Cost Index (CCI) for Los Angeles.

Table 1-1: Current Water Capacity Fees by Zone

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
5/8 inch	\$11,288	\$8,099	\$8,248	\$17,093	\$8,365
3/4 inch	\$16,126	\$11,570	\$11,785	\$24,421	\$11,951
1 inch	\$30,640	\$21,986	\$22,395	\$46,400	\$22,709
1-1/2 inch	\$49,993	\$35,875	\$36,540	\$75,708	\$37,053
2 inch	\$80,637	\$57,864	\$58,938	\$122,112	\$59,765
3 inch	\$164,500	\$118,045	\$120,237	\$249,108	\$121,924
4 inch	\$275,779	\$197,900	\$201,576	\$417,625	\$204,405
6 inch	\$580,592	\$416,634	\$424,371	\$879,214	\$430,326
8 inch	\$1,048,294	\$752,257	\$766,227	\$1,587,472	\$776,979

Figure 1-1 Zones of Benefit



1.3. Calculated Water Capacity Fees

The methodology used in this study to calculate water capacity fees is consistent with industry standards and practiced widely by water utilities in the country. **Table 1-2** shows the calculated water capacity fees schedule for a ¾-inch meter. **Table 1-3** shows the capital facility fees for the different meter sizes. The District is no longer installing new 5/8-inch connections. Therefore, calculated water capacity fee for a 5/8-inch meter by Zone of Benefit is not included and shown in the table below.

Table 1-2: Calculated Water Capacity Fees by Zone Compared to Current for CY 2023

Comparison (a ¾-inch meter)	Current	Calculated	Difference (\$)	Difference (%)
Zone A	\$16,126	\$21,700	\$5,574	35%
Zone B	\$11,570	\$12,570	\$1,000	9%
Zone C	\$11,785	\$14,004	\$2,219	19%
Zone D	\$24,421	\$24,764	\$343	1%
Zone E	\$11,951	\$14,612	\$2,660	22%

Table 1-3: Calculated Water Capacity Fees by Meter Size by Zone

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
5/8 inch	N/A	N/A	N/A	N/A	N/A
3/4 inch	\$21,700	\$12,570	\$14,004	\$24,764	\$14,612
1 inch	\$41,231	\$23,884	\$26,608	\$47,052	\$27,762
1-1/2 inch	\$67,272	\$38,968	\$43,412	\$76,768	\$45,297
2 inch	\$108,502	\$62,852	\$70,020	\$123,820	\$73,059
3 inch	\$221,345	\$128,217	\$142,840	\$252,593	\$149,041
4 inch	\$371,078	\$214,953	\$239,468	\$423,465	\$249,862
6 inch	\$781,218	\$452,532	\$504,143	\$891,504	\$526,025
8 inch	\$1,410,532	\$817,072	\$910,257	\$1,609,661	\$949,768

Since the Calculated Water Capacity Fees shown in the above tables show significant increases compared to the current water capacity fees for Zones A, C, and E, the District is considering to phase in these increases over five years and adjusting the fees through 2027 by the percentages shown in **Table 1-4**.

Table 1-4: Proposed Calculated Water Capacity Fees for a ¾" Meter

	2023	2024	2025	2026	2027
Zone A	7.0%	7% + ENR Adj. ¹	7% + ENR Adj.	7% + ENR Adj.	7% + ENR Adj.
Zone B	1.8%	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.
Zone C	3.8%	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.
Zone D	1.0%	ENR Adj.	ENR Adj.	ENR Adj.	ENR Adj.
Zone E	4.4%	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.

¹ ENR Adjustment is based on Engineering News-Record Construction Cost Index for the City of Los Angeles.

Both current and calculated water capacity fees for larger meters will be proportionately higher based on the hydraulic capacity of the meters as shown in **Table 1-5** and are described further in section 3.4

Table 1-5: Hydraulic Capacity of Meters to Calculate Fees for Larger Meters

Meter Size	Meter Ratio
3/4 inch	1.00
1 inch	1.90
1-1/2 inch	3.10
2 inch	5.00
3 inch	10.20
4 inch	17.10
6 inch	36.00
8 inch	65.00

1.4. Economic and Legal Framework

1.4.1. ECONOMIC FRAMEWORK

For publicly owned systems, most of the assets are typically paid for by the contributions of existing customers through rates, charges, securing debt, and taxes. In service areas that incorporate new customers, the infrastructure developed by previous customers is generally extended towards the service of new customers. Existing customers' investment in the existing system capacity allows newly connecting customers to take advantage of unused surplus capacity. New connectors typically "Buy-In" the existing and pre-funded facilities to establish economic equality among new and existing customers, putting them on par with existing customers. In other words, the new users are buying into the existing system based on the replacement costs of existing assets to continue providing the same service level to new customers through repairs, expansions, and upgrades to the system.

The basic economic philosophy behind capacity fees is that the costs of providing service should be paid for by those that receive utility from the product. To effect fair distribution of the value of the system, the charge should reflect a reasonable estimate of the cost of providing capacity to new users and not unduly burden existing users through a rate increase. Accordingly, many utilities make this philosophy one of their primary guiding principles when developing their capacity fee structure.

The philosophy that service should be paid for by those that receive utility from the product is often referred to as "growth-should-pay-for-growth." The principal is summarized in the American Water Works Association (AWWA) Manual M26: *Water Rates and Related Charges*:

"The purpose of designing customer-contributed-capital system charges is to prevent or reduce the inequity to existing customers that results when these customers must pay the increase in water rates that are needed to pay for added plant costs for new customers. Contributed capital reduces the need for new outside sources of capital, which ordinarily has been serviced from the revenue stream. Under a system of contributed capital, many water utilities are able to finance required facilities by use of a 'growth-pays-for-growth' policy."

This principle, in general, applies to water, wastewater, and storm drainage systems. In the excerpt above, customer-contributed-capital system charges are equivalent to capacity fees.

1.4.2. LEGAL FRAMEWORK AND CALIFORNIA REQUIREMENTS

In establishing capacity fees, it is vital to understand and comply with local laws and regulations governing the establishment, calculation, and implementation of capacity fees. The following sections summarize the regulations applicable to developing capacity fees for the District.

Capacity fees must be established based on a reasonable relationship to the needs and benefits of additional development or expansion. Courts have long used a standard of reasonableness to evaluate the legality of development charges. The basic statutory standards governing capacity fees are embodied by California Government Code Sections 66013, 66016, 66022, and 66023. Government Code Section 66013 contains requirements specific to determining utility development charges:

“Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges shall not exceed the estimated reasonable cost of providing the service for which the fee or charge is imposed, unless a question regarding the amount the fee or charge in excess of the estimated reasonable cost of providing the services or materials is submitted to, and approved by, a popular vote of two-thirds of those electors voting on the issue.”

Section 66013 also includes the following general requirements:

- Local agencies must follow a process set forth in the law, making certain determinations regarding the purpose and use of the charge; they must establish a nexus or relationship between a development project and the public improvement being financed with the charge.
- The capacity charge revenue must be segregated from the General Fund in order to avoid commingling of capacity fees and the General Fund.

2. Methodology Overview

A capital facility fee is generally a one-time charge paid by a new water system customer for the cost of facilities necessary to provide water system capacity to that new customer. However, it is also assessed to existing customers requiring increased water system capacity. Revenues generated by this charge are used to pay for water facilities needed to serve new customers.

2.1. Capacity Fee Methodologies

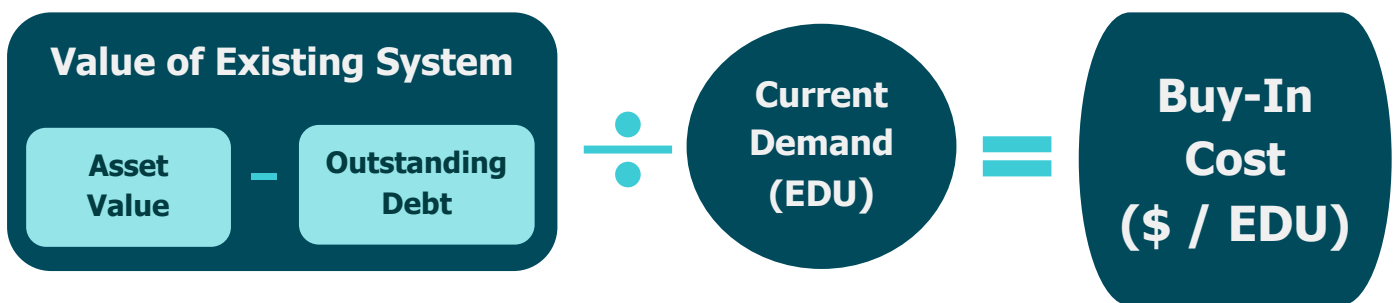
There are several methodologies for calculating capacity fees. The various approaches have largely evolved on the basis of changing public policy, legal requirements, and the unique and special circumstances of every local agency. However, there are two general approaches that are widely accepted and appropriate for water capacity fees.

2.1.1. EQUITY BUY-IN APPROACH

The equity buy-in method focuses on total value and current demand of the existing system. This method is utilized when existing users have developed and maintained a utility system that can accommodate further growth. Since existing customers have already financed the costs associated with developing the current system, new customers will pay their respective portion of the net investment. The net equity investment, or value of the existing system, is then divided by the current demand of the system to determine the buy-in cost per unit of capacity (UOC). For water systems, a unit of capacity is generally an equivalent dwelling unit (EDU) typically measured by the standard single family meter size.

For example, if the current system has 1,000 units of usage in a typical year and the new connection would average an additional equivalent unit of usage, the new connection will cost 1/1000 of the total value of the existing system. By following this method, the new customer has bought into the current system by paying their portion of the overall system based on their strain or capacity access of the system. This places them in an equal financial position to the pre-existing customers. The process for this method is shown in **Figure 2-1**.

Figure 2-1: Equity Buy-In Method

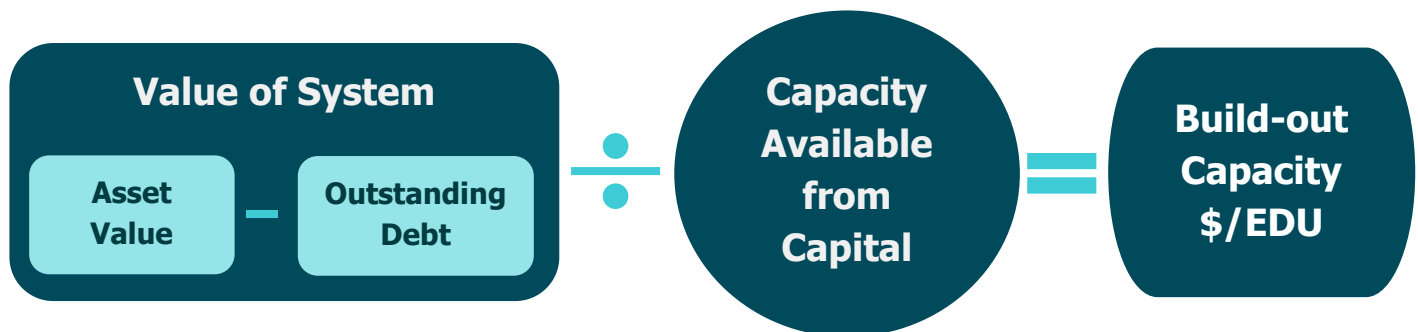


As shown, the value of the system typically includes asset value less any outstanding debt principal. Likewise, debt obligations are secured by the value of the system and used to pay for the assets of the system. Once the value of the existing system is determined, this is divided by the current demand (EDUs) and the buy-in cost is determined for various connection types.

2.1.2. CAPACITY BUY-IN APPROACH

The capacity buy-in approach is based on the same premise as that for the equity buy-in approach – that new customers share in the system costs with existing customers. The difference between the two approaches is that for the capacity buy-in approach, for each major asset, the value is divided by its capacity. This approach has a major challenge as determining the capacity of each major asset is problematic, as the system is designed for peak use and customer behavior fluctuates based on economics and water conservation. **Figure 2-2** illustrates the framework for calculating the capacity buy-in fee. In this case, the capacity at build-out is used to address the challenge of determining the capacity of the assets.

Figure 2-2: Capacity Buy-In Method

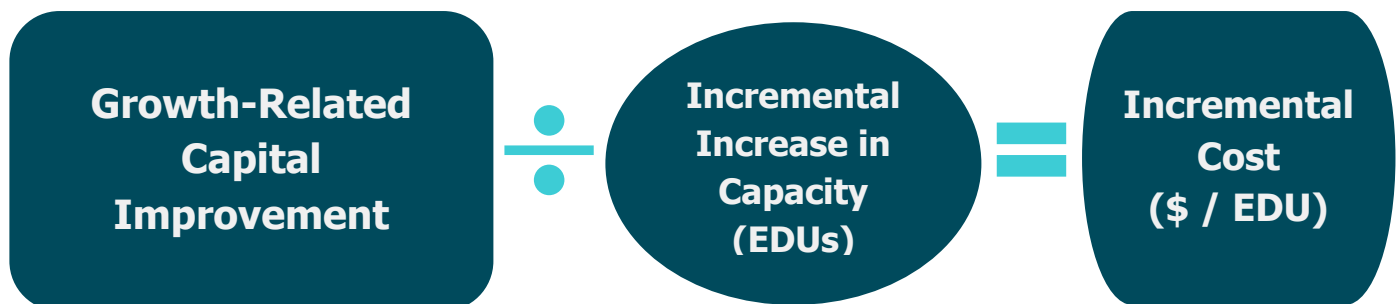


2.1.3. INCREMENTAL COST APPROACH

The incremental method is based on the premise that new development (new users) should pay for the additional capacity and expansions necessary to serve the new development. This method is typically used where there is little or no capacity available to accommodate growth and expansion is needed to service the new development. Under the incremental method, growth-related capital improvements are allocated to new development based on their estimated usage or capacity requirements, irrespective of the value of past investments made by existing customers.

For instance, if it costs X dollars (\$X) to provide 100 additional units of capacity for average usage and a new connector uses one of those units of capacity, then the new user would pay \$X/100 to connect to the system. In other words, new customers pay the incremental cost of capacity. As with the equity buy-in approach, new connectors will effectively acquire a financial position that is on par with existing customers. Use of this method is considered to be most appropriate when a significant portion of the capacity required to serve new customers must be provided by the construction of new facilities. **Figure 2-3** shows the framework for calculating the incremental cost fee.

Figure 2-3: Incremental Cost Method

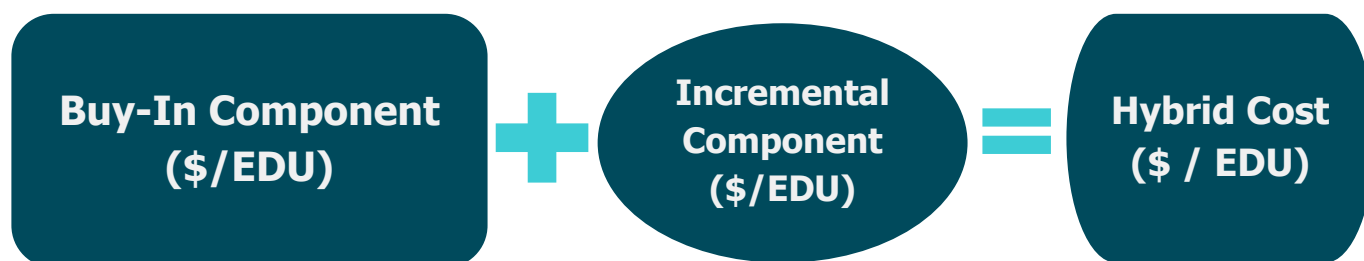


2.1.4. HYBRID APPROACH

The hybrid approach is typically used where some capacity is available to serve new growth, but additional expansion is still necessary to accommodate new development. Under the hybrid approach the capacity fee is based on the summation of the existing capacity and any necessary expansions.

In utilizing this methodology, it is important that system asset costs are not double counted when combining costs of the existing system with future costs from expanding the system. Asset costs that are included in the incremental costs should be excluded from the existing system. Capital Improvement Program (CIP). CIP costs that expand system capacity to serve future customers may be included proportionally to the percentage of the cost specifically required for expansion of the system. **Figure 2-4** summarizes the framework for calculating the hybrid capacity fee.

Figure 2-4: Hybrid Approach



2.1.5. RECOMMENDED METHODOLOGY

The District staff anticipates minimum future growth since the District is at about 95% build-out. Therefore, the system is mainly built out. As a result, Raftelis recommends the capacity buy-in approach for the calculation of the capacity. Under this approach, the buildout capacity that is expected is used as the denominator to determine the capacity fee.

2.2. Asset Valuation Options

Four principal methods are used to estimate the asset value of existing facilities: original cost (OC), replacement cost (RC), original cost less depreciation (OCLD), and replacement cost new less depreciation (RCLD).

2.2.1. ORIGINAL COST

The principal advantages of original cost valuation are relative simplicity and stability since the recorded costs of fixed assets are held constant. The major criticism levied against OC is the disregard of changes in the time value of money, and future capital costs, which are attributable to inflation and other factors. History shows that prices tend to increase rather than remain constant or decrease. This situation may be exacerbated since most water and sewer systems are developed over time on a piecemeal basis as demanded by the customer base and service area growth. Consequently, each asset addition is paid for with dollars of different purchasing power. When these outlays are added together to obtain a plant value, the result can be misleading. Additionally, the original cost does not account for the depreciation of facilities and other assets as they age which may not be representative of the state of the systems. We discuss depreciation in further detail below.

2.2.2. REPLACEMENT COST

Changes in the value of assets over time, represented by general inflation, are recognized by the replacement cost valuation. The replacement cost represents the cost of duplicating the existing water facilities (or duplicating their functions) in current dollars. Unlike the original cost approach, the replacement cost approach recognizes price level changes that have occurred since plant construction and subsequent investments. The most accurate replacement cost valuation requires a physical inventory and appraisal of the utility facilities in terms of their replacement costs at the time of valuation. However, with original cost records available, a reasonable approximation of replacement cost value can be easily derived by trending historical original costs. This approach employs the use of cost indices to express actual capital investment by the utility in current dollars. An obvious advantage of the RC approach is that it accounts for changes in the value of money over time. However, just like the original cost, it does not account for the depreciation of facilities and system assets.

2.2.3. ORIGINAL COST LESS DEPRECIATION

The current value of water facilities is also materially impacted by the effects of age. All assets have estimated useful lives, which vary by type. For example, pumps may have a 20-year life, buildings 50 years, and pipelines 50 to 100 years. Each year an asset is devalued by the fraction of its useful life to original cost. This is referred to as *straight line* or linear depreciation. At the end of an asset's useful life, it is worth zero dollars on paper, though it may still be in service. Depreciation accounts for estimated devaluation in system assets caused by wear and tear, decay, inadequacy, and obsolescence. Original cost valuation can be expressed as net of depreciation to yield the appropriate recognition of the effects of depreciation on existing water and sewer systems. Accumulated depreciation is computed for each asset and deducts losses in valuation based on age or condition from the respective total original cost.

2.2.4. REPLACEMENT COST LESS DEPRECIATION (RCLD)

The RCLD is identical to the original cost less depreciation valuation method, except that asset cost and asset depreciation are in today's dollars rather than the value of the dollar when the asset was placed in service. Original cost and depreciation are inflated using historical indices. Replacement cost depreciation is then subtracted from the replacement cost new of the asset to yield replacement cost less depreciation. RCLD allows for an accounting of system assets in present value while also accounting for proportional devaluation via depreciation.

2.2.5. RECOMMENDED ASSET VALUATION METHOD

Raftelis recommends using the RCLD method to account for today's replacement cost for system improvements while acknowledging the remaining useful life of the system facilities. This is the standard widely used in industry to compute capacity fees. Several factors were reviewed with District staff regarding the system assets, including age of the assets and availability of detailed records. The District provided records of their asset list as of the end of Fiscal Year 2020, which Raftelis utilized to calculate the RCLD value of the system. A complete list of these assets can be found in **Appendix B** and **Appendix C**. Replacement cost was estimated by escalating the original cost to what the current day replacement cost would be. This was accomplished by applying the Engineering News-Record's 20-City Construction Cost Index, shown in **Appendix D**. The depreciation cost was calculated by using a straight-line method of depreciation. This amount was then subtracted from the replacement cost to arrive at the RCLD amounts from the water asset list provided. Pipeline costs have increased significantly and the District obtained quotes on replacing pipelines. These costs were used to value the RCLD of existing pipelines.

3. Proposed Capacity Fees

This section calculates the capacity fees for each zone of benefit. The capacity fee is calculated by dividing the allocated system value in each zone is divided by the current demand on the system in each zone. The system demand in each zone is measured on a per equivalent dwelling unit (EDU) basis. One ¾-in meter represents one EDU. The EDUs for other meters are shown in **Table 3-5** below based on the hydraulic capacity of each meter under the current system. The per EDU amount will then be distributed across the different meter sizes to determine the proposed water capacity fee.

3.1. Buy-In System Value

The initial step in the capacity buy-in method is to determine the value of the water system. Contribution in aid of construction (CIAC) is excluded in determining the value of the water system used for the calculated water capacity fee in this report. Raftelis included outstanding debt principal when calculating the system's value. The asset cost basis for determining the buy-in component of the capacity fee is the RCLD, which estimates the replacement cost reflecting the remaining depreciable life of the facility. System asset data were available through the end of FY 2022. Recycled water assets are included in the valuation of system due to the fact that potable water customers benefit from recycled water facilities as recycled water offsets potable water use and the need for more expensive potable water sources. Recycled water customers also benefit from potable water when recycled water may not be available and pay the same capacity fee developed in this Study. The RCLD is based on the original asset cost adjusted to current costs based on a ratio of the Engineering News-Record, Construction Cost Index (CCI) for Los Angeles, March 2022 to the CCI for the construction year. Pipeline replacement costs are based on District's most recent publicly bid pipeline projects, range from \$55 to \$85 per inch-diameter per foot of length². This study uses an average of \$67 per foot cost to estimate pipeline costs. This replacement cost is adjusted to account for estimated accumulated depreciation through FY 2022. CIAC or contributed assets are excluded in the total net asset value.

Table 3-1 shows the adjusted system value. The adjusted system value reflects the current customers' equity or debt-free investment position. Since new customers, through payment of the general water service rates, would be covering the capital carrying costs of the existing plant, the outstanding debt principal is subtracted from the RCLD Asset Value. Assets in Zone B benefit the whole district and are termed "Base" assets. The assets in each zone are totaled as shown below.

² OMWD Long-term Budgeting for Pipeline Replacement, DRAFT version, May 2023, HDR

Table 3-1: Buy-in Component System Value

Net Asset Value	Total System	Base	Zone of Benefit
Total Water Assets (RCLD)*	\$185,966,836	\$175,376,519	\$10,590,317
Total Recycled Water Assets (RCLD)*	\$11,580,734	\$11,580,734	\$0
Pipeline Costs (RCLD)*	\$458,149,848	\$245,691,321	\$212,458,527
FY 2023 R&R Water Capital Projects	\$11,670,000	\$11,670,000	\$0
Groundwater Project FY 23	\$700,000	\$700,000	\$0
FY 2023 Recycled Water Capital Projects	\$5,361,000	\$5,361,000	\$0
Less Remaining Principal Balance	(\$36,450,820)	(\$36,450,820)	
Total - Net Asset Value	\$636,977,598	\$413,928,754	\$223,048,844

*Exclude Contribution in Aid of Construction (CIAC) assets. Pipeline Costs were calculated as shown in APPENDIX C.

3.2. Equivalent Units

The second step in calculating the capacity fee is determining the current demand. Dividing the system's value by capacity provides a unit cost for the development charge. Capacity is usually expressed in meter equivalents rather than the number of service connections. District Staff provided the number of EDUs for the five distinct zones of benefits. The benefit of using meter equivalents is that it relates the relative capacity of service connections with meters of various sizes, i.e., accounts for the larger meters generating more demand. The District's capacity fee is calculated based on assigned EDUs. EDUs are calculated and assigned by the District's Engineering department based on Article 13 of the District's Administrative and Ethics Code to provide adequate water capacity to each new development and/or a new parcel within the District's service area including peaking and system wide fire protection.

Table 3-2 shows the number of current EDUs by zone.

Table 3-2: Build-out EDUs by Zone

Zone of Benefit	Current EDUs	EDU Projections	Build-Out EDUs
Zone A	16,113	359	16,472
Zone B	4,834	515	5,349
Zone C	590	93	683
Zone D	4,838	126	4,964
Zone E	5,374	87	5,461
Total	31,749	1,180	32,929

3.3. Calculated Capacity Fees

The final step in determining the capacity fee is to divide the adjusted water system value of each zone by the build-out EDUs (Table 3-2). The total net asset value in Table 3-1 is distributed to each zone based on each individual assets. The EDUs relate the relative capacity of service connections with meters of various sizes.

First, we calculate the base capacity fee, these are the assets in Zone B that benefit all zones and is shown in

Table 3-3: Base Capacity Fee Calculation. Zone B includes the District’s water treatment plant. All assets in Zone B, including the pipelines, benefit all the other zones.

Table 3-3: Base Capacity Fee Calculation for One EDU (3/4” meter)

Base Capacity Fee Component	
Base Allocated Asset Costs	\$413,928,754
Distribution Cost	\$0
Build-out EDUs Total	32,929
Base Capacity Fee	\$12,570

Next, we calculate the capacity fee associated with the assets in each zone as shown in **Table 3-4:** Zonal Component Capacity Fee Calculation. Since Zone B assets benefit the whole district and are included as the base capacity fee, no additional zonal capacity fee is considered for Zone B

Table 3-4: Zonal Component Capacity Fee Calculation for One EDU (3/4” meter)

Capacity Fee By Zone	Zone A	Zone B	Zone C	Zone D	Zone E
Zonal Component Asset Value	\$150,391,797	\$0	\$979,163	\$60,529,371	\$11,148,514
Build-Out EDUs By Zone	16,472	5,349	683	4,964	5,461
Zonal Component Capacity Fee per EDU	\$9,130	\$0	\$1,434	\$12,194	\$2,041

The total capacity fee is the sum of the base capacity fee in **Table 3-3** and the zonal component capacity fee shown in **Table 3-4** as shown in **Table 3-5**. Because of the topography and density, the value of the assets serving customers varies significantly along with the corresponding fees.

Table 3-5: Total Capacity Fee by Zone for One EDU (3/4” meter)

Capacity Fee by Zone per EDU	Zone A	Zone B	Zone C	Zone D	Zone E
Base Component Capacity Fee	\$12,570	\$12,570	\$12,570	\$12,570	\$12,570
Zonal Component Capacity Fee	\$9,130	\$0	\$1,434	\$12,194	\$2,041
Total Capacity Fee by Zone	\$21,700	\$12,570	\$14,004	\$24,764	\$14,612

3.4. Calculated Capacity Fee Schedule

The District’s base and most common meter size is ¾-inch. Therefore, the component unit charge is applied to the ¾-inch meter which is equated to one EDU. The capacity of each meter size is used to determine the meter ratio compared to the ¾-inch meter based on the Engineer’s Report prepared for Olivenhain Municipal Water District Assessment District No.96-1 Olivenhain Water Storage Project adopted by the Board of Directors. The calculated fee schedule is proportional to the meter capacity ratio. The capacity ratios shown in **Table 3-6:** OMWD Meter Capacity Ratio are used to determine the fees for the various meter sizes.

Table 3-6: OMWD Meter Capacity Ratio

Meter Size	Meter Ratio/EDU
5/8 inch	0.70
3/4 inch	1.00
1 inch	1.90
1-1/2 inch	3.10
2 inch	5.00
3 inch	10.20
4 inch	17.10
6 inch	36.00
8 inch	65.00

Table 3-7 shows the calculated water capacity fee by meter size by zone. The fee by meter size is calculated by multiplying the fee per EDU, derived in Table 3-5, by the meter ratios, defined in Table 3-6, at each zone.

Table 3-7: Calculated Zonal Water Capacity Fees by Meter Size

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
5/8 inch	N/A	N/A	N/A	N/A	N/A
3/4 inch	\$21,700	\$12,570	\$14,004	\$24,764	\$14,612
1 inch	\$41,231	\$23,884	\$26,608	\$47,052	\$27,762
1-1/2 inch	\$67,272	\$38,968	\$43,412	\$76,768	\$45,297
2 inch	\$108,502	\$62,852	\$70,020	\$123,820	\$73,059
3 inch	\$221,345	\$128,217	\$142,840	\$252,593	\$149,041
4 inch	\$371,078	\$214,953	\$239,468	\$423,465	\$249,862
6 inch	\$781,218	\$452,532	\$504,143	\$891,504	\$526,025
8 inch	\$1,410,532	\$817,072	\$910,257	\$1,609,661	\$949,768

Table 3-8 shows a comparison between the current and calculated water capacity fee per EDU in each zone.

Table 3-8: Comparison of 3/4" Current and Calculated Water Capacity Fees by Zone

Zone	Current	Proposed	Difference (\$)	
Zone A	\$16,126	\$21,700	\$5,574	
Zone B	\$11,570	\$12,570	\$1,000	
Zone C	\$11,785	\$14,004	\$2,219	
Zone D	\$24,421	\$24,764	\$343	
Zone E	\$11,951	\$14,612	\$2,660	

There are significant changes to the capacity fees in Zones A, C, and E. To mitigate the impacts to new customers, the District Board has decided to phase in the increases over five years as shown in **Table 3-9**.

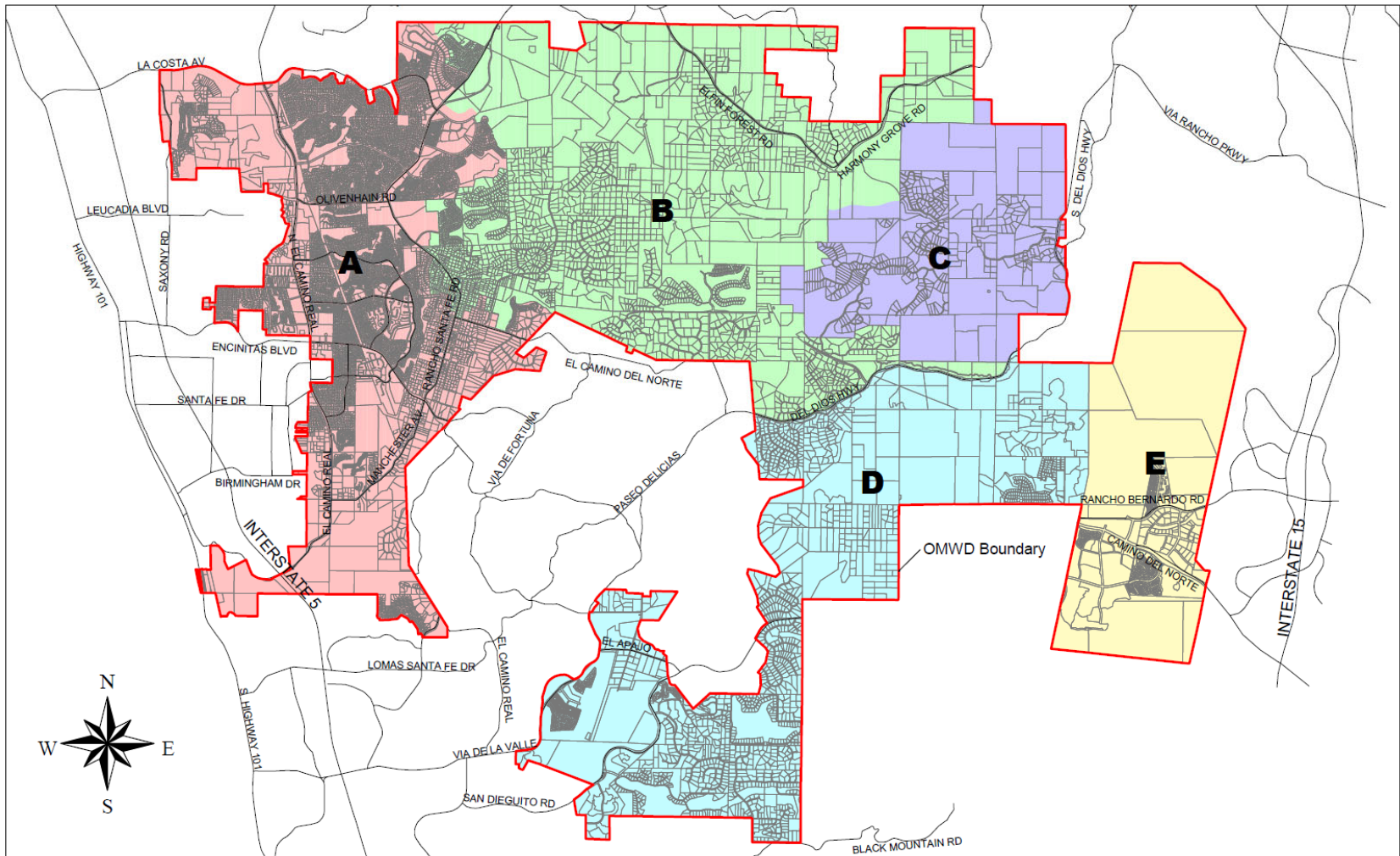
Table 3-9: Proposed Water Capital Facility Fees for ¾-in Meter

	2023	2024	2025	2026	2027
Zone A	7.0%	7% + ENR Adj. ³	7% + ENR Adj.	7% + ENR Adj.	7% + ENR Adj.
Zone B	1.8%	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.
Zone C	3.8%	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.
Zone D	1.0%	ENR Adj.	ENR Adj.	ENR Adj.	ENR Adj.
Zone E	4.4%	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.

³ ENR Adjustment is the Engineering News-Record Construction Cost Index for the City of Los Angeles.

APPENDIX A:

Zones of Benefit Map



APPENDIX B:

Water Capital Fee Assets Valuation

**Appendix B: Water Capital Fee Assets Valuation
Summary**

Zone of Benefit	Total Original Cost	Replacement Cost	Replacement Cost Less Depreciation
A	3,618,823	6,451,178	5,231,598
C	263,909	324,095	179,365
D	5,277,918	8,197,003	5,147,514
E	56,158	70,050	31,841
ALL	203,139,231	325,470,920	186,957,253
Total	212,356,039	340,513,246	197,547,571

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
202102	AUTOMOTIVE	2021 FORD F250 CREW CAB 4X2 (PU111)	\$29,518	\$8,434	\$33,027	\$9,436	\$23,591
202103	AUTOMOTIVE	2021 FORD F150 CREW CAB 4X2 (PU112)	\$22,968	\$6,562	\$25,698	\$7,342	\$18,356
202104	AUTOMOTIVE	2021 FORD F150 CREW CAB 4X2 (PU113)	\$23,397	\$6,685	\$26,178	\$7,479	\$18,698
202105	AUTOMOTIVE	2020 FORD F450 FLATBED DUMP TRUCK (FB25)	\$37,920	\$10,834	\$42,427	\$12,122	\$30,305
297880	AUTOMOTIVE	2019 FORD F250 S/C W/SVC BED (PU109)	\$31,190	\$13,367	\$34,731	\$14,885	\$19,846
297881	AUTOMOTIVE	2019 FORD F250 (PU110)	\$32,337	\$13,859	\$36,009	\$15,432	\$20,576
297882	AUTOMOTIVE	2020 FORD F550 CREW TRUCK (FB02)	\$103,023	\$44,153	\$114,721	\$49,166	\$65,555
297883	AUTOMOTIVE	2020 FORD F450 FLATBED DUMP TRUCK (FB26)	\$42,427	\$18,183	\$47,245	\$20,248	\$26,997
297884	AUTOMOTIVE	2020 FORD TRANSIT 150MR PASSENGER XL VAN	\$30,813	\$13,206	\$34,312	\$14,705	\$19,607
208365	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU106)	\$26,763	\$15,293	\$30,234	\$17,276	\$12,957
208366	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU105)	\$26,504	\$15,145	\$29,940	\$17,109	\$12,832
208367	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU104)	\$30,563	\$17,465	\$34,526	\$19,729	\$14,797
208368	AUTOMOTIVE	2018 FORD F150 S/C 4X2 (PU103)	\$23,925	\$13,671	\$27,028	\$15,444	\$11,583
208369	AUTOMOTIVE	2019 FORD F150 S/C 4X4 (PU108)	\$28,407	\$16,233	\$32,091	\$18,338	\$13,753
208370	AUTOMOTIVE	2018 FORD F150 C/C 4X2 (PU107)	\$24,319	\$13,897	\$27,473	\$15,699	\$11,774
208371	AUTOMOTIVE	2019 FORD F550 4X2 DIESEL (FB01)	\$137,938	\$78,822	\$155,826	\$89,043	\$66,782
208360	AUTOMOTIVE	2017 FORD F250 SUPER DUTY (PU 98)	\$28,486	\$20,347	\$33,020	\$23,586	\$9,434
208361	AUTOMOTIVE	2018 FORD F150 SUPER CAB (PU100)	\$35,946	\$25,676	\$41,667	\$29,762	\$11,905
208362	AUTOMOTIVE	2018 FORD F150 SUPER CAB (PU101)	\$22,819	\$16,299	\$26,451	\$18,893	\$7,557
208363	AUTOMOTIVE	2018 FORD F150 SUPER CAB (PU99)	\$22,819	\$16,299	\$26,451	\$18,893	\$7,557
208364	AUTOMOTIVE	2017 FORD F750 WATER TRUCK	\$42,823	\$21,412	\$49,639	\$24,820	\$24,820
208354	AUTOMOTIVE	2017 FORD F150 4X4 (PU92)	\$39,726	\$34,051	\$48,066	\$41,199	\$6,867
208355	AUTOMOTIVE	2017 FORD F150 4X4 TRUCK (PU94)	\$37,335	\$32,001	\$45,172	\$38,719	\$6,453
208356	AUTOMOTIVE	2017 FORD F150 V-6 (PU95)	\$27,061	\$23,195	\$32,742	\$28,065	\$4,677
208357	AUTOMOTIVE	2017 FORD F150 V-6 (PU96)	\$27,061	\$23,195	\$32,742	\$28,065	\$4,677
208358	AUTOMOTIVE	2017 FORD F150 V-6 (PU93)	\$30,271	\$25,946	\$36,626	\$31,393	\$5,232
208359	AUTOMOTIVE	2017 FORD F250 TRUCK W/SVC BED (PU97)	\$27,138	\$23,261	\$32,835	\$28,144	\$4,691
208350	AUTOMOTIVE	2015 FORD F150 V6 (PU90)	\$19,190	\$16,449	\$23,219	\$19,902	\$3,317
208351	AUTOMOTIVE	FORD F250 EXTRA CAB W/SVC (PU91)	\$25,389	\$21,762	\$30,719	\$26,330	\$4,388
208352	AUTOMOTIVE	2016 FORD F450 REG CAB (FB27)	\$33,599	\$28,799	\$40,652	\$34,845	\$5,807
208353	AUTOMOTIVE	2016 FORD F-650 DUMP TRUCK (D627)	\$67,036	\$57,459	\$81,108	\$69,521	\$11,587
208340	AUTOMOTIVE	2015 Case 580SN 4WD Backhoe (BA09)	\$97,010	\$45,271	\$119,163	\$55,609	\$63,553
202110	AUTOMOTIVE-REC	2021 FORD F250 CREW CAB 4X2 (PU111)	\$5,952	\$1,701	\$6,659	\$1,903	\$4,757
202111	AUTOMOTIVE-REC	2021 FORD F150 CREW CAB 4X2 (PU112)	\$4,626	\$1,322	\$5,176	\$1,479	\$3,697
202112	AUTOMOTIVE-REC	2021 FORD F150 CREW CAB 4X2 (PU113)	\$4,626	\$1,322	\$5,176	\$1,479	\$3,697
202113	AUTOMOTIVE-REC	2020 FORD F450 FLATBED DUMP (FB25)	\$8,025	\$2,293	\$8,979	\$2,565	\$6,413
297890	AUTOMOTIVE-REC	2019 FORD F250 S/C W/SVC BED (PU109)	\$6,233	\$2,671	\$6,941	\$2,975	\$3,966
297891	AUTOMOTIVE-REC	2019 FORD F250 (PU110)	\$6,233	\$2,671	\$6,941	\$2,975	\$3,966
297892	AUTOMOTIVE-REC	2020 FORD F450 FLATBED DUMP (FB26)	\$7,669	\$3,287	\$8,540	\$3,660	\$4,880
297893	AUTOMOTIVE-REC	2020 FORD TRANSIT PASSENGER VAN (VN57)	\$7,747	\$3,320	\$8,627	\$3,697	\$4,930
297894	AUTOMOTIVE-REC	2020 FORD F550 CREW TRUCK (FB02)	\$19,237	\$8,244	\$21,421	\$9,180	\$12,241
728332	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU106)	\$1,900	\$1,086	\$2,146	\$1,227	\$920
728333	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU105)	\$1,900	\$1,086	\$2,146	\$1,227	\$920
728334	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU103)	\$3,793	\$2,167	\$4,285	\$2,448	\$1,836
728335	AUTOMOTIVE-REC	2019 FORD F150 S/C 4X4 (PU108)	\$4,500	\$2,571	\$5,084	\$2,905	\$2,179
728336	AUTOMOTIVE-REC	2018 FORD F150 S/C 4X2 (PU107)	\$4,064	\$2,322	\$4,591	\$2,623	\$1,968
728327	AUTOMOTIVE-REC	2017 FORD F250 SUPER DUTY (PU98)	\$4,600	\$3,286	\$5,332	\$3,809	\$1,523
728328	AUTOMOTIVE-REC	2018 FORD F150 SUPER CAB (PU101)	\$3,600	\$2,571	\$4,173	\$2,981	\$1,192
728329	AUTOMOTIVE-REC	2018 FORD F150 SUPER CAB (PU99)	\$3,600	\$2,571	\$4,173	\$2,981	\$1,192
728330	AUTOMOTIVE-REC	2017 FORD F750 WATER TRUCK	\$42,822	\$21,411	\$49,638	\$24,819	\$24,819

Appendix B: Water Capacital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
728331	AUTOMOTIVE-REC	2018 FORD F150 SUPER CAB (PU102)	\$5,157	\$3,684	\$5,978	\$4,270	\$1,708
728324	AUTOMOTIVE-REC	2017 FORD F150 V-6 (PU95)	\$4,000	\$3,429	\$4,840	\$4,148	\$691
728325	AUTOMOTIVE-REC	2017 FORD F150 V-6 (PU96)	\$4,000	\$3,429	\$4,840	\$4,148	\$691
728326	AUTOMOTIVE-REC	2017 FORD F250 W/SVC BED (PU97)	\$5,000	\$4,286	\$6,050	\$5,185	\$864
728320	AUTOMOTIVE-REC	2105 FORD F150 V6 (PU90)	\$3,685	\$3,159	\$4,459	\$3,822	\$637
728321	AUTOMOTIVE-REC	FORD F250 EXTRA CAB W/SVC (PU91)	\$4,850	\$4,157	\$5,868	\$5,030	\$838
728322	AUTOMOTIVE-REC	2016 FORD F450 REG CAB (FB27)	\$6,400	\$5,486	\$7,744	\$6,637	\$1,106
728323	AUTOMOTIVE-REC	20 FORD F-650 DUMP TRUCK (D653)	\$13,405	\$11,490	\$16,219	\$13,902	\$2,317
212227	BLDGS/IMPRV	SOLAR PANELS	\$9,933	\$662	\$10,283	\$686	\$9,598
212243	BLDGS/IMPRV	NEW ADMIN BLDG - HQ - CAP FEES	\$24,753	\$619	\$25,626	\$641	\$24,986
202139	BLDGS/IMPRV	OMWD HQ BUILDING	\$13,012,685	\$650,634	\$14,559,407	\$727,970	\$13,831,436
202164	BLDGS/IMPRV	EFRR INTERPRETIVE CENTER ROOF	\$23,428	\$2,343	\$26,213	\$2,621	\$23,591
202165	BLDGS/IMPRV	CAPITALIZED INTEREST 218 BONDS	\$142,073	\$7,104	\$158,961	\$7,948	\$151,013
297872	BLDGS/IMPRV	EFRR RIDGETOP PICNIC AREA FENCING	\$13,200	\$1,584	\$14,699	\$1,764	\$12,935
810089	BLDGS/IMPRV	SECURITY CAMERAS (SECURITY CAMERA KING)	\$6,017	\$4,814	\$6,797	\$5,438	\$1,359
810087	BLDGS/IMPRV	GAS PUMP RELOCATION	\$297,734	\$49,622	\$345,124	\$57,521	\$287,603
810088	BLDGS/IMPRV	WASH BAY RELOCATION	\$298,352	\$49,725	\$345,841	\$57,640	\$288,201
810083	BLDGS/IMPRV	PARKS TRAILER REPAIRS	\$10,399	\$6,239	\$12,582	\$7,549	\$5,033
810084	BLDGS/IMPRV	900 LINEAR FEET OF FENCING - PARKS DEP	\$26,606	\$15,964	\$32,192	\$19,315	\$12,877
298117	BLDGS/IMPRV	CUP Modifications	\$164,406	\$23,017	\$201,950	\$28,273	\$173,677
298115	BLDGS/IMPRV	EFRR Drainage & Paving Improvements	\$67,992	\$21,757	\$85,397	\$27,327	\$58,070
298116	BLDGS/IMPRV	Emergency Power Generating System	\$413,791	\$132,413	\$519,719	\$166,310	\$353,409
298113	BLDGS/IMPRV	Building B Modifications	\$296,324	\$98,775	\$388,077	\$129,359	\$258,718
298110	BLDGS/IMPRV	Admin Ee Parking Lot Lights	\$9,756	\$5,366	\$13,092	\$7,201	\$5,892
298111	BLDGS/IMPRV	Building J	\$4,305,689	\$947,252	\$5,778,151	\$1,271,193	\$4,506,958
298112	BLDGS/IMPRV	Surplus Storage Facility	\$136,092	\$29,940	\$182,633	\$40,179	\$142,454
298102	BLDGS/IMPRV	Fence Around Office Perimeter	\$84,023	\$36,410	\$115,918	\$50,231	\$65,687
298103	BLDGS/IMPRV	Gaty Communications Building	\$42,067	\$13,672	\$58,036	\$18,862	\$39,174
298104	BLDGS/IMPRV	Efr Interpretvie Center	\$17,490	\$9,095	\$24,129	\$12,547	\$11,582
238106	BLDGS/IMPRV	4G Vent Installed	\$2,359	\$2,241	\$4,225	\$4,014	\$211
810081	BLDGS/IMPRV	Master Plan Develop	\$118,107	\$98,422	\$239,077	\$199,231	\$39,846
212229	BLDGS/IMPRV-REC	BLDG D RECYCLED PORTION	\$3,537	\$88	\$3,662	\$92	\$3,570
202167	BLDGS/IMPRV-REC	OMWD HQ OFFICE - RECYCLED PORTION	\$278,679	\$13,934	\$311,804	\$15,590	\$296,213
728104	BLDGS/IMPRV-REC	Wet Weather Pond Fence	\$90,367	\$49,702	\$121,271	\$66,699	\$54,572
728103	BLDGS/IMPRV-REC	Capitalized Interest	\$254,713	\$40,754	\$344,878	\$55,180	\$289,697
728101	BLDGS/IMPRV-REC	4S Rcyld Sys Const	\$2,048,840	\$437,086	\$3,233,531	\$689,820	\$2,543,711
728102	BLDGS/IMPRV-REC	4S Rcyld Sys Int	\$583,563	\$124,494	\$920,995	\$196,479	\$724,516
298407	COMMEQUIP	Knightsbridge Remote Prs I/O	\$41,270	\$20,635	\$54,049	\$27,024	\$27,024
298406	COMMEQUIP	Scada System Upgrades	\$28,419	\$15,631	\$38,138	\$20,976	\$17,162
298405	COMMEQUIP	Radio Repeater @ Berk Rsvr	\$19,827	\$10,905	\$26,607	\$14,634	\$11,973
278402	COMMEQUIP	Gaty/Subnet Opto Replacement	\$188,385	\$141,288	\$286,970	\$215,228	\$71,743
278401	COMMEQUIP	Miller Opto Replacement	\$11,744	\$8,808	\$17,890	\$13,417	\$4,472
268401	COMMEQUIP	4G/Zorro Subnet Tele	\$236,619	\$189,296	\$373,439	\$298,751	\$74,688
268404	COMMEQUIP	Telemetry Installs	\$41,789	\$33,431	\$65,952	\$52,762	\$13,190
268402	COMMEQUIP	Cielo Ps Opto Rplcmt	\$14,221	\$11,377	\$22,445	\$17,956	\$4,489
268403	COMMEQUIP	Miller Hydrogen Opto	\$21,128	\$16,902	\$33,344	\$26,676	\$6,669
248402	COMMEQUIP	Del Mar Flow Meter	\$22,884	\$16,477	\$37,680	\$27,130	\$10,550
238403	COMMEQUIP	Headquarters Antenna	\$77,413	\$73,542	\$138,638	\$131,706	\$6,932
238405	COMMEQUIP	4G Antenna	\$119,013	\$113,062	\$213,141	\$202,484	\$10,657
238406	COMMEQUIP	Gaty Tower	\$35,899	\$34,104	\$64,291	\$61,077	\$3,215

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
238408	COMMEQUIP	Peay Rsvr Cntrl Sys	\$54,669	\$51,936	\$97,907	\$93,011	\$4,895
212233	COMP HW/SW-REC	FY21/22 COMPUTER EQUIPMENT	\$2,073	\$691	\$2,147	\$716	\$1,431
202120	COMP HW/SW-REC	FY 20/21 COMPUTER SUPPLIES	\$1,643	\$1,095	\$1,838	\$1,226	\$613
212230	COMPUTER HW/SW	NETWORK SECURITY	\$52,507	\$17,502	\$54,360	\$18,120	\$36,240
212231	COMPUTER HW/SW	FY21/22 COMPUTER EQUIPMENT	\$65,825	\$21,942	\$68,147	\$22,716	\$45,431
202115	COMPUTER HW/SW	FY 20/21 COMPUTERS, MONITORS, ETC.	\$26,283	\$17,522	\$29,407	\$19,605	\$9,802
202116	COMPUTER HW/SW	NETWORK SECURITY	\$158,277	\$105,518	\$177,090	\$118,060	\$59,030
202117	COMPUTER HW/SW	PHONE SYSTEM	\$65,429	\$43,619	\$73,206	\$48,804	\$24,402
202118	COMPUTER HW/SW	GP UPGRADE	\$23,424	\$15,616	\$26,208	\$17,472	\$8,736
297895	COMPUTER HW/SW	NETWORK SECURITY - HARDWARE	\$20,723	\$12,434	\$23,076	\$13,846	\$9,231
297896	COMPUTER HW/SW	ANTI-VIRUS APPLIANCE (CDW)	\$47,541	\$28,525	\$52,939	\$31,764	\$21,176
708628	COMPUTER HW/SW	NETWORK SECURITY	\$138,429	\$110,744	\$156,381	\$125,105	\$31,276
708629	COMPUTER HW/SW	WAN UPGRADES	\$32,146	\$25,717	\$36,314	\$29,051	\$7,263
868632	COMPUTER HW/SW	INVENTORY BAR CODING	\$40,546	\$24,328	\$49,058	\$29,435	\$19,623
868619	COMPUTER HW/SW	BILLING INTEGRATION WITH GEOVIEWER	\$45,400	\$38,915	\$54,931	\$47,084	\$7,847
868620	COMPUTER HW/SW	FIXED BASE PIPELINE MONITORING	\$16,300	\$13,971	\$19,722	\$16,904	\$2,817
868621	COMPUTER HW/SW	WAN UPGRADES	\$72,998	\$62,570	\$88,322	\$75,705	\$12,617
868622	COMPUTER HW/SW	CUSTOMER UTILITY BILLING	\$1,059,439	\$317,832	\$1,281,849	\$384,555	\$897,294
208707	COMPUTER HW/SW	EAM Upgrades-Databridge to Infinity CIS	\$31,600	\$11,060	\$38,816	\$13,586	\$25,231
208709	COMPUTER HW/SW	Finance ERP	\$145,633	\$50,972	\$178,890	\$62,611	\$116,278
208696	COMPUTER HW/SW	Finance ERP Capitalized Interest	\$55,766	\$22,306	\$70,042	\$28,017	\$42,025
208697	COMPUTER HW/SW	Finance ERP	\$1,534,366	\$613,746	\$1,927,153	\$770,861	\$1,156,292
238801	ELEC SUBSTATION	Elect'L Substation	\$575,669	\$312,506	\$1,030,966	\$559,667	\$471,299
238802	ELEC SUBSTATION	Elect'L Substation	\$575,670	\$218,755	\$1,030,967	\$391,768	\$639,200
870002	HYDROELEC PLANT	Miller Hydro Controls	\$133,905	\$107,124	\$181,305	\$145,044	\$36,261
286001	INTANGBL ASSETS	Conveyance Of Easements	\$88,856	\$73,175	\$129,349	\$106,523	\$22,826
276001	INTANGBL ASSETS	Video Security System (Dam)	\$75,294	\$66,436	\$114,697	\$101,203	\$13,494
256003	INTANGBL ASSETS	Dam & Rsvr Construct	\$24,529,509	\$17,375,069	\$39,867,309	\$28,239,344	\$11,627,965
256004	INTANGBL ASSETS	Pre-Ad 96-1 Costs	\$2,674,656	\$1,894,548	\$4,347,063	\$3,079,170	\$1,267,893
300062	LAND	Gano Reservoir	\$695,031	\$0	\$1,096,915	\$0	\$1,096,915
300060	LAND	Unit G-1 (Greenland)	\$499,009	\$0	\$787,548	\$0	\$787,548
300061	LAND	Denk Inflow PI Esmnt	\$6,000	\$0	\$9,469	\$0	\$9,469
300063	LAND	Unit X Pipeline	\$431,947	\$0	\$681,710	\$0	\$681,710
300056	LAND	Dam & Reservoir	\$811,787	\$0	\$1,319,381	\$0	\$1,319,381
300057	LAND	Dam & Reservoir	\$2,644,992	\$0	\$4,298,852	\$0	\$4,298,852
300058	LAND	WTP Connection Easement	\$1,202,126	\$0	\$1,953,790	\$0	\$1,953,790
300050	LAND	Water Treatment Plnt	\$379,431	\$0	\$679,524	\$0	\$679,524
300051	LAND	Via Ambiente Road	\$134,800	\$0	\$241,413	\$0	\$241,413
300052	LAND	P/L East Mitigation	\$1,001,904	\$0	\$1,794,311	\$0	\$1,794,311
300053	LAND	Wtp Coastal Sage	\$906,985	\$0	\$1,624,320	\$0	\$1,624,320
300054	LAND	P/L West Easement	\$12,432	\$0	\$22,264	\$0	\$22,264
300055	LAND	Land	\$137,641	\$0	\$246,501	\$0	\$246,501
300047	LAND	Right-Of-Way	\$30,565	\$0	\$61,870	\$0	\$61,870
300045	LAND	Master Plan Develop	\$1,505,330	\$0	\$3,134,513	\$0	\$3,134,513
300026	LAND	District Easements	\$1,592	\$0	\$4,352	\$0	\$4,352
300029	LAND	Staver Settlement	\$5,000	\$0	\$13,669	\$0	\$13,669
300023	LAND	District Easements	\$1,990	\$0	\$5,924	\$0	\$5,924
300017	LAND	Unit "K" Phase 1	\$6,725	\$0	\$22,113	\$0	\$22,113
300019	LAND	Unit K Pipeline R/W	\$83,902	\$0	\$275,872	\$0	\$275,872
300018	LAND	General Easements	\$4,050	\$0	\$13,316	\$0	\$13,316

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
300020	LAND	Gaty li Res Site	\$25,127	\$0	\$82,618	\$0	\$82,618
300021	LAND	Denk Reservoir Site	\$109,078	\$0	\$358,651	\$0	\$358,651
300022	LAND	Roger Miller Res Sit	\$63,883	\$0	\$210,049	\$0	\$210,049
300014	LAND	General Easements	\$1,285	\$0	\$4,762	\$0	\$4,762
300001	LAND	Unit "G" Pipeline	\$11,412	\$0	\$44,993	\$0	\$44,993
300012	LAND	Reclass R/W Unit "H"	\$19,699	\$0	\$77,665	\$0	\$77,665
300013	LAND	Completed	\$9,898	\$0	\$39,024	\$0	\$39,024
300004	LAND	Id4 - Reservoir (2)	\$5,928	\$0	\$23,372	\$0	\$23,372
300008	LAND	Wanket Tank Site Aqu	\$10,268	\$0	\$40,485	\$0	\$40,485
300005	LAND	Unit B-1	\$6,536	\$0	\$25,769	\$0	\$25,769
300010	LAND	General Easemnts Dis	\$13,469	\$0	\$53,102	\$0	\$53,102
300011	LAND	Unit "K" Pln Rt Stdy	\$45,607	\$0	\$179,811	\$0	\$179,811
300006	LAND	Id3 Unit	\$1,332	\$0	\$5,252	\$0	\$5,252
310039	LAND IMPRV	Unit G-1 Mitigation	\$214,041	\$85,616	\$280,315	\$112,126	\$168,189
310038	LAND IMPRV	District Office Landscape	\$43,165	\$31,654	\$57,927	\$42,479	\$15,447
310036	LAND IMPRV	Landscaping	\$218,407	\$52,418	\$295,719	\$70,973	\$224,747
310037	LAND IMPRV	Oak Riparian Mitigation	\$65,448	\$15,707	\$88,615	\$21,268	\$67,348
310033	LAND IMPRV	Olivenhain Rd/Cup Permitting	\$1,838,245	\$477,944	\$2,536,050	\$659,373	\$1,876,677
310034	LAND IMPRV	Tree Rmvl/Relo @ District	\$46,380	\$12,059	\$63,986	\$16,636	\$47,350
310031	LAND IMPRV	Elfin Forest Rr Bridge	\$135,007	\$75,604	\$196,533	\$110,058	\$86,475
310032	LAND IMPRV	4G Reservoir Fencing	\$34,925	\$24,447	\$50,841	\$35,589	\$15,252
310027	LAND IMPRV	Denk Inflow P/L Mitigation	\$92,227	\$55,336	\$140,492	\$84,295	\$56,197
310028	LAND IMPRV	Unit G1 Pipeline Mitigation	\$272,736	\$163,642	\$415,464	\$249,279	\$166,186
310029	LAND IMPRV	Denk Outflow P/L Mitigation	\$30,843	\$18,506	\$46,984	\$28,190	\$18,794
310030	LAND IMPRV	Via Ambiente Bridge Lomr	\$27,004	\$9,001	\$41,136	\$13,712	\$27,424
310022	LAND IMPRV	Zorro Rehab Landscap	\$11,437	\$7,320	\$18,051	\$11,553	\$6,498
310023	LAND IMPRV	Gano Rsvr-Landscape	\$120,000	\$76,800	\$189,387	\$121,208	\$68,179
310024	LAND IMPRV	Unit X P/L Landscape	\$80,000	\$51,200	\$126,258	\$80,805	\$45,453
310025	LAND IMPRV	X-1 Access Road	\$1,215,760	\$486,304	\$1,918,743	\$767,497	\$1,151,246
310026	LAND IMPRV	X-2 Access Road	\$1,652,937	\$661,175	\$2,608,706	\$1,043,483	\$1,565,224
310018	LAND IMPRV	Via Ambiente Bridge	\$476,381	\$181,025	\$853,151	\$324,197	\$528,954
310019	LAND IMPRV	Via Ambiente Road	\$714,439	\$271,487	\$1,279,489	\$486,206	\$793,283
310016	LAND IMPRV	Olivenhain Rd Wideng	\$257,494	\$214,578	\$521,230	\$434,358	\$86,872
310012	LAND IMPRV	San Diequito River	\$2,915	\$2,623	\$6,024	\$5,422	\$602
310010	LAND IMPRV	Fence By Cal West	\$3,006	\$2,806	\$6,207	\$5,793	\$414
273301	LAND IMPRV-REC	Santa Fe Valley P.S. Landscape	\$64,019	\$38,411	\$97,521	\$58,513	\$39,008
273302	LAND IMPRV-REC	Santa Fe Valley P.S. Access Rd	\$145,648	\$43,694	\$221,869	\$66,561	\$155,308
212219	METERS	FIXED BASE AMI	\$600,931	\$30,047	\$622,129	\$31,106	\$591,023
212220	METERS	FY2122 METER REPLACEMENTS	\$199,953	\$13,330	\$207,007	\$13,800	\$193,206
202155	METERS	FIXED BASE AMI	\$758,619	\$75,862	\$848,790	\$84,879	\$763,911
202156	METERS	FY 20/21 METER REPLACEMENTS	\$255,780	\$34,104	\$286,183	\$38,158	\$248,025
297870	METERS	FY 2020 2" & UNDER	\$189,586	\$37,917	\$211,114	\$42,223	\$168,891
297871	METERS	FIXED BASED AMI	\$550,266	\$82,540	\$612,751	\$91,913	\$520,838
297945	METERS	T & M METERS	\$12,642	\$2,528	\$14,077	\$2,815	\$11,262
297831	METERS	FY 2019 METERS 2" & UNDER	\$250,686	\$100,274	\$283,194	\$113,278	\$169,917
297832	METERS	FY 2019 METERS OVER 2" (4)	\$13,867	\$5,547	\$15,665	\$6,266	\$9,399
297833	METERS	FIXED BASE AMI	\$617,075	\$246,830	\$697,097	\$278,839	\$418,258
297816	METERS	FY 2018 METERS OVER 2" (SIX)	\$16,658	\$8,329	\$19,310	\$9,655	\$9,655
297817	METERS	FIRE HYDRANT/WATER SVC RELO - GRANGETTOS	\$51,824	\$25,912	\$60,073	\$30,036	\$30,036
297818	METERS	FY 2018 AMI FIXED BASED TOWERS	\$139,460	\$46,487	\$161,658	\$53,886	\$107,772

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
297819	METERS	FY 2018 AMI METERS	\$384,628	\$192,314	\$445,848	\$222,924	\$222,924
297820	METERS	FY 2018 METERS 2" & UNDER	\$246,265	\$123,133	\$285,463	\$142,731	\$142,731
297808	METERS	FY 2017 2" METERS & UNDER	\$425,080	\$255,048	\$514,317	\$308,590	\$205,727
297809	METERS	FY 2017 METERS OVER 2"	\$26,222	\$15,733	\$31,727	\$19,036	\$12,691
297810	METERS	M400 AMI BASE STATIONS (3)	\$229,955	\$91,982	\$278,230	\$111,292	\$166,938
297811	METERS	2017 AMI RETROFIT SERVICES	\$470,194	\$282,116	\$568,902	\$341,341	\$227,561
297918	METERS	FY 2016 AMR 2" & UNDER	\$146,455	\$87,873	\$177,201	\$106,320	\$70,880
297919	METERS	FY 2016 AMR 4"	\$10,421	\$6,253	\$12,609	\$7,565	\$5,043
297916	METERS	FY 2015 Additions	\$202,604	\$141,823	\$248,871	\$174,210	\$74,661
297917	METERS	Upgrade to 520M's & 520R's	\$507,830	\$355,481	\$623,799	\$436,659	\$187,140
297913	METERS	FY 2014 Additions	\$208,405	\$111,150	\$261,756	\$139,603	\$122,153
297914	METERS	Upgrade to 520R's from B's and C's	\$281,743	\$150,263	\$353,867	\$188,729	\$165,138
297915	METERS	Upgrade to 520M's	\$14,900	\$7,947	\$18,714	\$9,981	\$8,733
297908	METERS	Amr Meter/Battery Replacements	\$122,317	\$110,085	\$160,110	\$144,099	\$16,011
297909	METERS	Metro 50 Tower Base Station	\$75,425	\$45,255	\$98,730	\$59,238	\$39,492
297910	METERS	Radio Read Remotes	\$15,085	\$9,051	\$19,746	\$11,848	\$7,898
297911	METERS	Meters FY 2013	\$2,143,585	\$1,286,151	\$2,805,916	\$1,683,550	\$1,122,366
297912	METERS	Meters Capitalized Interest	\$56,383	\$50,745	\$73,804	\$66,424	\$7,380
297903	METERS	Fire Hydrant (Elfin Forest)	\$43,810	\$14,238	\$60,441	\$19,643	\$40,798
257903	METERS	2004/05 Vent-O-Mats	\$72,303	\$61,457	\$117,512	\$99,885	\$17,627
212221	METERS-REC	RETROFIT METERS TO RECYCLED	\$62,719	\$4,181	\$64,932	\$4,329	\$60,603
212222	METERS-REC	FY2122 METER REPLACEMENTS	\$19,470	\$1,298	\$20,157	\$1,344	\$18,813
202157	METERS-REC	METER REPLACEMENTS	\$4,132	\$551	\$4,623	\$616	\$4,007
202158	METERS-REC	RETROFIT METERS TO RECYCLED	\$26,358	\$3,514	\$29,491	\$3,932	\$25,559
297862	METERS-REC	RECYCLED RETROFITS (FY19/20)	\$132,095	\$26,419	\$147,095	\$29,419	\$117,676
297946	METERS-REC	FY 2020 MTR REPLACEMENT 3" (1) 6" (1)	\$11,944	\$2,389	\$13,300	\$2,660	\$10,640
727307	METERS-REC	RECYCLED RETROFITS	\$51,892	\$20,757	\$58,621	\$23,448	\$35,173
727305	METERS-REC	RECYCLED RETROFITS - 2" & UNDERS	\$56,315	\$28,158	\$65,279	\$32,640	\$32,640
727306	METERS-REC	RECYCLED RETROFITS - OVER 2"	\$6,519	\$3,260	\$7,557	\$3,778	\$3,778
727304	METERS-REC	FY 2017 METERS - 2" AND LESS	\$5,550	\$3,330	\$6,715	\$4,029	\$2,686
727302	METERS-REC	6" OCTAVE METER	\$3,838	\$2,303	\$4,643	\$2,786	\$1,857
727301	METERS-REC	Meters FY 2013	\$53,880	\$48,492	\$70,528	\$63,475	\$7,053
202114	OFFC FURN/EQUIP	HQ FACILITIES ENHANCEMENTS	\$44,173	\$17,669	\$49,423	\$19,769	\$29,654
248504	OFFC FURN/EQUIP	Times Two Files	\$21,234	\$19,111	\$34,963	\$31,467	\$3,496
248506	OFFC FURN/EQUIP	Expansion/Renovation	\$68,612	\$61,751	\$112,973	\$101,675	\$11,297
248507	OFFC FURN/EQUIP	Expansion/Renovation	\$68,612	\$41,167	\$112,973	\$67,784	\$45,189
238506	OFFC FURN/EQUIP	Wtp - Furniture	\$18,642	\$14,168	\$33,385	\$25,373	\$8,012
238507	OFFC FURN/EQUIP	Wtp - Furniture	\$50,000	\$27,143	\$89,545	\$48,610	\$40,935
202140	OFFIC F&E	OMWD HQ - OFFICE FURNITURE (CAP FEES)	\$137,242	\$54,897	\$153,555	\$61,422	\$92,133
212215	PUMP STNS,ETC.	VAULT UPGRADES	\$19,700	\$1,313	\$20,395	\$1,360	\$19,035
212217	PUMP STNS,ETC.	PUMPS & MOTORS FY2122	\$62,720	\$4,181	\$64,933	\$4,329	\$60,604
212216	PUMP STNS,ETC.	GOLEM PUMP STATION REPLACEMENT	\$27,820	\$1,855	\$28,801	\$1,920	\$26,881
202148	PUMP STNS,ETC.	VAULT UPGRADES	\$58,175	\$7,757	\$65,090	\$8,679	\$56,411
202150	PUMP STNS,ETC.	CIELO GENERATOR SWITCH	\$12,970	\$1,729	\$14,512	\$1,935	\$12,577
202149	PUMP STNS,ETC.	GOLEM PUMP STATION	\$362,266	\$18,113	\$405,326	\$20,266	\$385,059
297860	PUMP STNS,ETC.	PUMP CONTROLS - THORNTON	\$22,081	\$6,624	\$24,588	\$7,376	\$17,212
297859	PUMP STNS,ETC.	VAULTS (6) FLOOR LINERS	\$86,554	\$25,966	\$96,383	\$28,915	\$67,468
297858	PUMP STNS,ETC.	RANCHO LAKES PUMP CONTROLS	\$12,809	\$3,843	\$14,264	\$4,279	\$9,985
730058	PUMP STNS,ETC.	VAULT FLOOR LINER - THORNTON P/S	\$16,944	\$4,518	\$19,141	\$5,104	\$14,037
730057	PUMP STNS,ETC.	CONNEMARA BLADDERS	\$20,796	\$11,883	\$23,493	\$13,424	\$10,068

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Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
730055	PUMP STNS,ETC.	VALES I PRS	\$814,351	\$162,870	\$943,969	\$188,794	\$755,175
730056	PUMP STNS,ETC.	CIELO PUMP STATION CONTROLS	\$157,404	\$52,468	\$182,458	\$60,819	\$121,638
730053	PUMP STNS,ETC.	VAULT FLOOR LINERS (9)	\$53,159	\$31,895	\$64,318	\$38,591	\$25,727
730054	PUMP STNS,ETC.	4S WATER PR STATION PEDESTAL	\$10,522	\$6,313	\$12,731	\$7,639	\$5,092
730052	PUMP STNS,ETC.	VAULT LINERS	\$45,356	\$27,213	\$54,877	\$32,926	\$21,951
297301	PUMP STNS,ETC.	El Cmno Del Norte Cla-Valves	\$9,483	\$6,164	\$13,082	\$8,504	\$4,579
287302	PUMP STNS,ETC.	Maryloyd Pump Sta Switch Gear	\$46,287	\$32,401	\$67,381	\$47,167	\$20,214
287303	PUMP STNS,ETC.	Cielo Booster #1-Turbine Pump	\$6,626	\$4,638	\$9,645	\$6,752	\$2,894
267301	PUMP STNS,ETC.	Potable Pump Station	\$526,962	\$210,785	\$831,664	\$332,666	\$498,998
730501	PUMP STNS,ETC.	Excess Treated Wtr Investment	\$738,637	\$251,137	\$1,200,492	\$408,167	\$792,325
247301	PUMP STNS,ETC.	Unit H Deepwell	\$70,284	\$42,170	\$115,724	\$69,435	\$46,290
247303	PUMP STNS,ETC.	520 Vault Prs Const	\$353,990	\$159,296	\$582,858	\$262,286	\$320,572
237302	PUMP STNS,ETC.	Rancho Lakes Ps	\$48,499	\$30,716	\$86,858	\$55,010	\$31,848
227301	PUMP STNS,ETC.	Thornton Pump Stat	\$645,602	\$430,401	\$1,176,360	\$784,240	\$392,120
730018	PUMP STNS,ETC.	Pump & Chlorine Sta	\$38,844	\$37,549	\$80,884	\$78,188	\$2,696
730017	PUMP STNS,ETC.	Pump & Chlor Sta #92	\$190,577	\$142,932	\$404,915	\$303,686	\$101,229
727303	PUMP STNS-REC	VILLAGE PARK RECYCLED PUMP STATION	\$807,362	\$242,209	\$976,852	\$293,056	\$683,796
297306	PUMP STNS-REC	RECYCLED FILL STATION	\$97,165	\$58,299	\$117,563	\$70,538	\$47,025
297304	PUMP STNS-REC	Santa Fe Valley Pump Station Valve	\$15,312	\$7,145	\$18,808	\$8,777	\$10,031
297305	PUMP STNS-REC	Santa Fe Valley Pump Station Solar Sys	\$31,226	\$14,572	\$38,356	\$17,900	\$20,457
294503	PUMP STNS-REC	Flow Meter @ Mahr	\$235,000	\$152,750	\$324,207	\$210,735	\$113,472
294501	PUMP STNS-REC	Prs @ Calle Barcelona	\$187,500	\$121,875	\$258,676	\$168,139	\$90,537
294502	PUMP STNS-REC	Prs @ Calle Acervo	\$211,000	\$137,150	\$291,096	\$189,213	\$101,884
284501	PUMP STNS-REC	Crosby Prs	\$107,819	\$75,473	\$156,955	\$109,868	\$47,086
274501	PUMP STNS-REC	Santa Fe Valley Pump Station	\$564,436	\$169,331	\$859,816	\$257,945	\$601,871
212214	RESERVOIRS	CONCRETE TANKS REHAB	\$198,579	\$19,858	\$205,584	\$20,558	\$185,026
202146	RESERVOIRS	CONCRETE TANKS REHAB STUDY (GATY II)	\$58,928	\$11,786	\$65,933	\$13,187	\$52,746
297829	RESERVOIRS	CHAIN LINK INSTALLATION	\$8,768	\$2,338	\$9,905	\$2,641	\$7,264
297814	RESERVOIRS	GATY DRIVEWAY OVERLAY	\$23,103	\$7,701	\$26,780	\$8,927	\$17,853
297815	RESERVOIRS	GATY I & II IRRIGATION REPLACEMENT	\$40,852	\$20,426	\$47,354	\$23,677	\$23,677
297813	RESERVOIRS	ROGER MILLER IRRIGATION REPLACEMENT	\$11,850	\$5,925	\$13,736	\$6,868	\$6,868
297805	RESERVOIRS	WIEGAND RESERVOIR IRRIGATION	\$15,011	\$9,007	\$18,162	\$10,897	\$7,265
297806	RESERVOIRS	ROGER MILLER INLET PIPELINE	\$23,469	\$7,041	\$28,396	\$8,519	\$19,877
297807	RESERVOIRS	4G RESERVOIR REPLACEMENT	\$207,374	\$31,106	\$250,908	\$37,636	\$213,272
717102	RESERVOIRS	Emerg Generators (Denk,Gano,Peay,4S)	\$22,662	\$10,575	\$27,837	\$12,990	\$14,846
297112	RESERVOIRS	Gaty Check Valve Rehab	\$266,952	\$96,103	\$349,435	\$125,797	\$223,639
297107	RESERVOIRS	Lux Canyon Prs Replacement	\$357,536	\$107,261	\$484,098	\$145,229	\$338,869
297108	RESERVOIRS	Dove Hollow Prs	\$569,468	\$170,840	\$771,051	\$231,315	\$539,735
297103	RESERVOIRS	Lusardi #1 Vault Rehab	\$85,532	\$25,660	\$115,810	\$34,743	\$81,067
287101	RESERVOIRS	Wiegand Outlet Piping	\$42,934	\$12,021	\$62,499	\$17,500	\$45,000
267101	RESERVOIRS	Avd Diestra Pr Stat	\$177,791	\$71,116	\$280,595	\$112,238	\$168,357
267102	RESERVOIRS	Denk Inlet Flow Cntl	\$438,852	\$175,541	\$692,607	\$277,043	\$415,564
267103	RESERVOIRS	Gano Rsvr Construct	\$7,604,722	\$1,622,341	\$12,001,966	\$2,560,419	\$9,441,546
267104	RESERVOIRS	Gano Rsvr Equipment	\$47,367	\$30,315	\$74,756	\$47,844	\$26,912
267105	RESERVOIRS	Gano Rsvr Piping	\$160,000	\$51,200	\$252,516	\$80,805	\$171,711
267106	RESERVOIRS	Gano Rsvr Cntl Valve	\$401,680	\$128,538	\$633,941	\$202,861	\$431,080
257101	RESERVOIRS	Zorro Rehab	\$1,271,714	\$720,638	\$2,066,891	\$1,171,238	\$895,653
257102	RESERVOIRS	Zorro Prs	\$492,789	\$279,247	\$800,921	\$453,855	\$347,066
247102	RESERVOIRS	Wiegand Rsvr Struct	\$238,410	\$107,285	\$392,551	\$176,648	\$215,903
710071	RESERVOIRS	Gaty I Repairs '96	\$18,020	\$7,809	\$37,061	\$16,060	\$21,002

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
710073	RESERVOIRS	R.S.F.Security Tie-In	\$2,041	\$885	\$4,199	\$1,819	\$2,379
710069	RESERVOIRS	Cathodic Protect '95	\$192,912	\$86,811	\$398,719	\$179,424	\$219,295
710070	RESERVOIRS	Resr & Tanks Design	\$437,709	\$196,969	\$904,673	\$407,103	\$497,570
710062	RESERVOIRS	Wanket Tank Repair	\$88,824	\$45,892	\$196,731	\$101,644	\$95,087
710064	RESERVOIRS	Resv & Tanks - Boyle	\$6,788	\$3,507	\$15,034	\$7,768	\$7,267
710065	RESERVOIRS	Resv & Tanks-Twining	\$11,629	\$6,008	\$25,755	\$13,307	\$12,448
710066	RESERVOIRS	R&T - Nowel-Thompson	\$2,300	\$1,188	\$5,094	\$2,632	\$2,462
710067	RESERVOIRS	4-S Ranch-Landscape	\$16,646	\$8,600	\$36,868	\$19,049	\$17,820
710057	RESERVOIRS	Wanket Tank Repair	\$4,960	\$2,645	\$11,160	\$5,952	\$5,208
710060	RESERVOIRS	Reservoir & Tanks	\$7,292	\$3,889	\$16,408	\$8,751	\$7,657
710053	RESERVOIRS	Maryloyd	\$28,132	\$15,941	\$65,754	\$37,261	\$28,494
710037	RESERVOIRS	Palm Res-Landscape	\$5,403	\$3,726	\$14,769	\$10,186	\$4,584
710038	RESERVOIRS	Gaty li Reservoir	\$17,151	\$11,627	\$46,885	\$31,787	\$15,099
710033	RESERVOIRS	Gaty li Res-Initial	\$2,987,530	\$2,041,479	\$8,893,866	\$6,077,475	\$2,816,391
710034	RESERVOIRS	Gaty li- Int Cap	\$77,557	\$52,997	\$230,887	\$157,773	\$73,114
710028	RESERVOIRS	Palms Reservoir li	\$350,902	\$245,631	\$1,153,770	\$807,639	\$346,131
710016	RESERVOIRS	Wanket Tank	\$45,267	\$32,441	\$167,800	\$120,257	\$47,543
710015	RESERVOIRS	Additions F/Y 78	\$17,122	\$12,556	\$67,505	\$49,504	\$18,001
710012	RESERVOIRS	Wanket Tank	\$358,660	\$274,973	\$2,014,927	\$1,544,777	\$470,150
710009	RESERVOIRS	Wanket Tank Unit "J"	\$12,777	\$10,009	\$77,913	\$61,032	\$16,881
710001	RESERVOIRS	200' Reservoir Palms #1	\$58,304	\$53,445	\$732,255	\$671,234	\$61,021
710003	RESERVOIRS	Gaty Reservoir	\$202,475	\$199,100	\$3,031,204	\$2,980,684	\$50,520
710006	RESERVOIRS	Maryloyd Reservoir	\$31,172	\$30,652	\$466,668	\$458,891	\$7,778
710007	RESERVOIRS	Golem Reservoir	\$56,988	\$56,038	\$853,153	\$838,934	\$14,219
727109	RESERVOIRS-RC	Pond Driveway Expansion	\$18,400	\$6,624	\$24,085	\$8,671	\$15,415
727110	RESERVOIRS-RC	Pond Fencing/Landscape Imprvmt	\$28,898	\$17,339	\$37,828	\$22,697	\$15,131
202147	RESERVOIRS-REC	STORAGE POND LANDSCAPE	\$364,348	\$72,870	\$407,655	\$81,531	\$326,124
297830	RESERVOIRS-REC	STORAGE POND LANDSCAPE	\$30,017	\$12,007	\$33,909	\$13,564	\$20,345
727111	RESERVOIRS-REC	WIEGAND RESERVOIR CONVERSION	\$123,823	\$37,147	\$149,817	\$44,945	\$104,872
727112	RESERVOIRS-REC	STORAGE POND ACCESS RD	\$424,995	\$169,998	\$514,214	\$205,686	\$308,529
727102	RESERVOIRS-REC	Storage Pond Const	\$764,777	\$244,729	\$1,206,990	\$386,237	\$820,753
727104	RESERVOIRS-REC	Storage Pond Struct	\$1,802,242	\$576,718	\$2,844,344	\$910,190	\$1,934,154
727105	RESERVOIRS-REC	Storage Pond Sprnklr	\$202,707	\$129,732	\$319,917	\$204,747	\$115,170
940001	SEWER LATERALS	Building J Lateral	\$277,299	\$76,257	\$372,130	\$102,336	\$269,794
202101	SHOP/FIELDEQUIP	LINE LOCATING EQUIPMENT	\$6,911	\$2,764	\$7,732	\$3,093	\$4,639
297874	SHOP/FIELDEQUIP	CANYCOM BFP 602HB POWERED WHEELBARROW	\$7,540	\$3,232	\$8,397	\$3,599	\$4,798
297876	SHOP/FIELDEQUIP	TIRE WHEEL BALANCER	\$6,196	\$2,655	\$6,899	\$2,957	\$3,942
297877	SHOP/FIELDEQUIP	LINE LOCATING EQUIPMENT	\$5,920	\$3,552	\$6,592	\$3,955	\$2,637
820528	SHOP/FIELDEQUIP	SC200 CONTROLLER (WTP)	\$2,191	\$876	\$2,475	\$990	\$1,485
820529	SHOP/FIELDEQUIP	TU5400 TURBIDMETER (WTP)	\$7,158	\$2,863	\$8,086	\$3,234	\$4,852
820530	SHOP/FIELDEQUIP	TU5400 TURBIDITY ANALYZER (WTP)	\$7,278	\$2,911	\$8,222	\$3,289	\$4,933
820531	SHOP/FIELDEQUIP	DEPOLOX FREE CL2 ANALYZER (WTP)	\$6,070	\$2,428	\$6,857	\$2,743	\$4,114
820532	SHOP/FIELDEQUIP	GANTRY CRANE 4,000 LB (WTP)	\$7,498	\$2,999	\$8,470	\$3,388	\$5,082
820533	SHOP/FIELDEQUIP	FALL RETRIEVAL SYSTEM (WTP)	\$9,735	\$2,596	\$10,998	\$2,933	\$8,065
8205034	SHOP/FIELDEQUIP	CANDLE ASSEMBLY (WTP)	\$24,996	\$6,666	\$28,237	\$7,530	\$20,707
820520	SHOP/FIELDEQUIP	WTP CONDUCTIVITY PROBE/CONTROLLER	\$5,080	\$2,540	\$5,889	\$2,944	\$2,944
820468	SHOP/FIELDEQUIP	ELECTRICAL INSTALLATION	\$9,098	\$5,459	\$11,008	\$6,605	\$4,403
820492	SHOP/FIELDEQUIP	SURVEILLANCE SYSTEM UPGRADES	\$40,912	\$24,547	\$49,501	\$29,700	\$19,800
208242	SHOP/FIELDEQUIP	4000A Reconditioned Breaker	\$15,485	\$7,226	\$19,021	\$8,876	\$10,144
208243	SHOP/FIELDEQUIP	Wachs HPU-750 Hydraulic Pump	\$5,872	\$4,110	\$7,213	\$5,049	\$2,164

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
208246	SHOP/FIELDEQUIP	4" Sensus Meter Tester	\$9,458	\$4,414	\$11,617	\$5,421	\$6,196
208235	SHOP/FIELDEQUIP	Unit Z Pumps	\$45,636	\$24,339	\$57,319	\$30,570	\$26,749
258220	SHOP/FIELDEQUIP	Cathodic Test Sta	\$41,725	\$35,467	\$67,815	\$57,643	\$10,172
258222	SHOP/FIELDEQUIP	Lone Jack Rd Hydrant	\$15,543	\$13,211	\$25,262	\$21,472	\$3,789
728231	SHOP/FIELD-REC	4S I RECYCLED CLA VALVES	\$6,934	\$3,467	\$8,037	\$4,019	\$4,019
728232	SHOP/FIELD-REC	TURBINE PUMP	\$14,998	\$7,499	\$17,386	\$8,693	\$8,693
728235	SHOP/FIELD-REC	REPLACEMENT BLADDER - SFV RAW WTR PS	\$22,089	\$15,778	\$25,605	\$18,289	\$7,316
728230	SHOP/FIELD-REC	WIEGAND RESERVOIR IRRIGATION PUMP	\$9,315	\$5,589	\$11,271	\$6,762	\$4,508
728228	SHOP/FIELD-REC	SAMPLE COLLECTION EQUIPMENT	\$7,146	\$6,125	\$8,647	\$7,411	\$1,235
728229	SHOP/FIELD-REC	LINER FLOOR OF PUMP STATION	\$6,237	\$5,346	\$7,546	\$6,468	\$1,078
728226	SHOP/FIELD-REC	SOLAR BEE WATER MIXER @ WW	\$68,273	\$27,309	\$82,606	\$33,042	\$49,564
728224	SHOP/FIELD-REC	Wachs HPU-750 Hydraulic Pump	\$1,957	\$1,370	\$2,404	\$1,683	\$721
728202	SHOP/FIELD-REC	Rcyld Sys Equipment	\$257,006	\$137,070	\$405,613	\$216,327	\$189,286
710063	STEEL RESERVRS	Weigand & Denk Tank	\$20,544	\$10,614	\$45,502	\$23,509	\$21,992
710058	STEEL RESERVRS	Weigand & Denk Tank	\$181,757	\$96,937	\$408,981	\$218,123	\$190,858
710059	STEEL RESERVRS	Peay Reservoir	\$518,896	\$276,744	\$1,167,595	\$622,717	\$544,878
710061	STEEL RESERVRS	4-S Ranch Reservoir	\$1,265,420	\$674,891	\$2,847,388	\$1,518,607	\$1,328,781
710054	STEEL RESERVRS	Peay Reservoir - Paint Mtn	\$5,362,516	\$2,949,384	\$12,493,259	\$6,871,293	\$5,621,967
710041	STEEL RESERVRS	Zorro Reservoir	\$402,060	\$261,339	\$1,070,965	\$696,127	\$374,838
710039	STEEL RESERVRS	Roger Miller Res	\$39,516	\$26,790	\$108,026	\$73,238	\$34,788
710040	STEEL RESERVRS	Denk Reservoir	\$2,112,243	\$1,408,162	\$5,774,321	\$3,849,547	\$1,924,774
710032	STEEL RESERVRS	Roger Miller Res-Int	\$1,368,254	\$934,973	\$4,073,286	\$2,783,412	\$1,289,874
710035	STEEL RESERVRS	R.Miller Res-Int Cap	\$43,454	\$29,694	\$129,362	\$88,398	\$40,965
710002	STEEL RESERVRS	400' Reservoir Zorro	\$71,012	\$65,094	\$891,858	\$817,537	\$74,322
710004	STEEL RESERVRS	Wiegand Reservoir	\$64,745	\$61,508	\$899,405	\$854,435	\$44,970
727101	STEEL RSVR RECY	Thelma Miller Rsvr	\$1,095,453	\$350,545	\$1,728,872	\$553,239	\$1,175,633
727106	STEEL RSVR RECY	T.Miller Rsvr Int	\$119,525	\$38,248	\$188,637	\$60,364	\$128,273
410505	STUDY COSTS-REC	Implement Recycled	\$32,547	\$27,408	\$51,366	\$43,256	\$8,110
410502	STUDY COSTS-REC	Recycled Agreement	\$420,735	\$357,625	\$683,813	\$581,241	\$102,572
212223	TREATMENT PLANT	CHEMICAL SYSTEM UPDATE	\$5,895	\$590	\$6,103	\$610	\$5,493
212224	TREATMENT PLANT	MEMBRANE REPLACEMENT	\$747,271	\$74,727	\$773,632	\$77,363	\$696,269
212225	TREATMENT PLANT	CHLORINE GENERATION CELL	\$22,804	\$2,280	\$23,608	\$2,361	\$21,247
212226	TREATMENT PLANT	TRAIN 9 CONTROL WIRING	\$36,139	\$3,614	\$37,414	\$3,741	\$33,672
202159	TREATMENT PLANT	CHEMICAL SYSTEM UPDATE	\$453,961	\$90,792	\$507,920	\$101,584	\$406,336
202160	TREATMENT PLANT	VALVE ACTUATORS	\$23,064	\$4,613	\$25,805	\$5,161	\$20,644
202161	TREATMENT PLANT	TRAINS 9 & 10 - VALVES	\$43,847	\$8,769	\$49,059	\$9,812	\$39,247
202162	TREATMENT PLANT	MEMBRANES	\$681,754	\$136,351	\$762,789	\$152,558	\$610,231
202163	TREATMENT PLANT	PUMPS & MOTORS	\$9,810	\$1,962	\$10,976	\$2,195	\$8,781
297863	TREATMENT PLANT	RECOAT EQUIPMENT	\$23,936	\$7,181	\$26,654	\$7,996	\$18,658
297864	TREATMENT PLANT	SETTLER UNIT 3	\$153,683	\$46,105	\$171,134	\$51,340	\$119,794
297865	TREATMENT PLANT	VALVE ACTUATORS	\$235,919	\$70,776	\$262,708	\$78,812	\$183,896
297866	TREATMENT PLANT	STRUCTURAL ENGINEERING	\$17,828	\$3,566	\$19,852	\$3,970	\$15,882
297867	TREATMENT PLANT	MEMBRANES - TRAIN 8	\$668,289	\$200,487	\$744,176	\$223,253	\$520,923
297869	TREATMENT PLANT	REPLACE PUMP AND MOTORS	\$60,068	\$18,020	\$66,888	\$20,067	\$46,822
295054	TREATMENT PLANT	RECOAT EQUIPMENT	\$27,990	\$11,196	\$31,620	\$12,648	\$18,972
295055	TREATMENT PLANT	HVAC SYSTEM	\$142,369	\$37,965	\$160,831	\$42,888	\$117,943
295056	TREATMENT PLANT	SETTLER UNIT 1	\$95,546	\$25,479	\$107,937	\$28,783	\$79,154
295057	TREATMENT PLANT	SETTLER UNIT 3	\$85,041	\$22,678	\$96,069	\$25,618	\$70,451
295058	TREATMENT PLANT	SEWER SYS (BLDG) REHAB	\$206,441	\$33,031	\$233,213	\$37,314	\$195,899
295059	TREATMENT PLANT	TRANSFORMER REPLACEMENT	\$33,800	\$9,013	\$38,183	\$10,182	\$28,001

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
295060	TREATMENT PLANT	MAIN COMPRESSOR	\$151,743	\$40,465	\$171,420	\$45,712	\$125,708
295061	TREATMENT PLANT	STRAINER ISOLATION VALVE	\$134,751	\$35,934	\$152,226	\$40,594	\$111,632
295062	TREATMENT PLANT	STREAMING CURRENT MONITOR #2	\$19,442	\$7,777	\$21,963	\$8,785	\$13,178
295063	TREATMENT PLANT	SOLENOID REPLACEMENT	\$26,204	\$10,482	\$29,602	\$11,841	\$17,761
295064	TREATMENT PLANT	MEMBRANES - TRAIN 7	\$609,254	\$243,702	\$688,262	\$275,305	\$412,957
295065	TREATMENT PLANT	MEMBRANES - TRAIN 3	\$612,716	\$245,087	\$692,173	\$276,869	\$415,304
295066	TREATMENT PLANT	SECURITY CAMERAS (SECURITY CAMERA KING)	\$12,033	\$9,627	\$13,594	\$10,875	\$2,719
295067	TREATMENT PLANT	PUMP & MOTORS REPLACEMENT	\$30,387	\$12,155	\$34,328	\$13,731	\$20,597
295048	TREATMENT PLANT	AMMONIA SYSTEM EQUIPMENT	\$86,684	\$43,342	\$100,481	\$50,241	\$50,241
295049	TREATMENT PLANT	VARIABLE FEQUENCY DRIVES (VFD'S)	\$82,455	\$41,228	\$95,580	\$47,790	\$47,790
295050	TREATMENT PLANT	HYPOCHLORITE TANK	\$55,191	\$27,596	\$63,976	\$31,988	\$31,988
295052	TREATMENT PLANT	THM ANALYZER (NEW)	\$68,101	\$34,051	\$78,941	\$39,470	\$39,470
295053	TREATMENT PLANT	TRAIN 7 BASIN REFURBISHED	\$35,961	\$11,987	\$41,685	\$13,895	\$27,790
295041	TREATMENT PLANT	DIST SYS PROGRAM LOGIC CONTROLLERS	\$10,858	\$6,515	\$13,137	\$7,882	\$5,255
295042	TREATMENT PLANT	VARIABLE FREQUENCY DRIVES (VFD'S) PUMPS	\$137,467	\$82,480	\$166,325	\$99,795	\$66,530
295043	TREATMENT PLANT	BRINE TANK	\$49,692	\$19,877	\$60,124	\$24,050	\$36,074
295045	TREATMENT PLANT	PUMPS & MOTORS	\$33,846	\$20,307	\$40,951	\$24,571	\$16,380
295047	TREATMENT PLANT	MEMBRANES - TRAIN 1	\$555,852	\$333,511	\$672,543	\$403,526	\$269,017
295037	TREATMENT PLANT	DIST SYSTEM PGM LOGIC CONTROLLERS-PLC'S	\$98,977	\$49,488	\$119,755	\$59,878	\$59,878
295038	TREATMENT PLANT	VARIABLE FREQUENCY DRIVES (VFD'S)	\$290,487	\$174,292	\$351,469	\$210,881	\$140,588
295039	TREATMENT PLANT	PUMP & MOTORS	\$30,198	\$18,119	\$36,538	\$21,923	\$14,615
295040	TREATMENT PLANT	MEMBRANES	\$1,237,038	\$742,223	\$1,496,730	\$898,038	\$598,692
295035	TREATMENT PLANT	Hypochlorite Generation System Upgrades	\$535,059	\$374,541	\$657,245	\$460,072	\$197,174
295036	TREATMENT PLANT	Solenoid Valve Replacements	\$78,569	\$45,832	\$96,511	\$56,298	\$40,213
295027	TREATMENT PLANT	420 ZW-500D Membranes	\$507,963	\$451,522	\$637,997	\$567,109	\$70,889
295028	TREATMENT PLANT	21 20-Module ZW 500D Cassettes	\$299,809	\$119,924	\$376,558	\$150,623	\$225,935
295030	TREATMENT PLANT	Hypochlorite Tanks	\$321,741	\$171,595	\$404,105	\$215,523	\$188,582
295031	TREATMENT PLANT	Fluoridation System - Building	\$644,116	\$171,764	\$809,005	\$215,735	\$593,271
295032	TREATMENT PLANT	Fluoridation System - Equipment & Pumps	\$648,094	\$345,650	\$814,002	\$434,134	\$379,868
295033	TREATMENT PLANT	Turbines	\$1,240,397	\$661,545	\$1,557,930	\$830,896	\$727,034
295034	TREATMENT PLANT	Turbines	\$1,240,397	\$330,773	\$1,557,930	\$415,448	\$1,142,482
295017	TREATMENT PLANT	Vinyl Automated Double Gate	\$34,419	\$12,391	\$45,054	\$16,220	\$28,835
295018	TREATMENT PLANT	Via Ambiente Gate	\$25,714	\$9,257	\$33,659	\$12,117	\$21,542
295019	TREATMENT PLANT	Element Strainers (3)	\$279,964	\$167,978	\$366,468	\$219,881	\$146,587
295020	TREATMENT PLANT	Membranes	\$141,904	\$127,714	\$185,750	\$167,175	\$18,575
295021	TREATMENT PLANT	Lt2 Equipment	\$672,536	\$302,641	\$880,339	\$396,152	\$484,186
295022	TREATMENT PLANT	Residual Handling Building	\$2,533,360	\$456,005	\$3,316,125	\$596,902	\$2,719,222
295023	TREATMENT PLANT	Steel Water Storage Tanks	\$1,724,268	\$310,368	\$2,257,037	\$406,267	\$1,850,771
295024	TREATMENT PLANT	Lt2 Upgrades	\$19,808,088	\$3,565,456	\$25,928,449	\$4,667,121	\$21,261,328
295025	TREATMENT PLANT	Lt2 Capitalized Interest	\$1,052,928	\$189,527	\$1,378,265	\$248,088	\$1,130,178
295026	TREATMENT PLANT	Lt2 Materials	\$107,262	\$96,536	\$140,405	\$126,364	\$14,040
295014	TREATMENT PLANT	Clortec Ct-750 Cell	\$25,029	\$13,766	\$33,588	\$18,473	\$15,115
295016	TREATMENT PLANT	Frame - Zw-500D Modules (40)	\$581,830	\$320,007	\$780,805	\$429,443	\$351,362
295012	TREATMENT PLANT	Cla Valve Check Valves	\$27,983	\$8,395	\$37,888	\$11,366	\$26,522
295013	TREATMENT PLANT	Clean In Place Heating System	\$35,100	\$21,060	\$47,525	\$28,515	\$19,010
295002	TREATMENT PLANT	Wtp Gate	\$75,695	\$39,362	\$104,429	\$54,303	\$50,126
295005	TREATMENT PLANT	Cassette Frames 500D(20'S) 72	\$1,002,802	\$521,457	\$1,383,469	\$719,404	\$664,065
295006	TREATMENT PLANT	Feed Channel Baffle Wall	\$75,339	\$39,176	\$103,938	\$54,048	\$49,890
295007	TREATMENT PLANT	Crane & Hoist	\$29,759	\$15,475	\$41,056	\$21,349	\$19,707
285002	TREATMENT PLANT	Control Instrumentation	\$80,670	\$56,469	\$117,433	\$82,203	\$35,230

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
285003	TREATMENT PLANT	Basin Walls Resurfacing	\$271,851	\$76,118	\$395,741	\$110,807	\$284,933
285004	TREATMENT PLANT	Ammonia Treatment Facility	\$2,277,932	\$637,821	\$3,316,040	\$928,491	\$2,387,549
265001	TREATMENT PLANT	Back-Pulse Tanks	\$301,638	\$193,048	\$476,053	\$304,674	\$171,379
265002	TREATMENT PLANT	Fish Screens	\$645,396	\$104,306	\$1,018,581	\$164,619	\$853,962
265003	TREATMENT PLANT	Fencing	\$23,297	\$14,910	\$36,768	\$23,531	\$13,236
265004	TREATMENT PLANT	Trains-Rplc/Coat	\$234,942	\$93,977	\$370,792	\$148,317	\$222,475
255001	TREATMENT PLANT	Emerg Generation Sys	\$248,261	\$168,818	\$403,494	\$274,376	\$129,118
255002	TREATMENT PLANT	Aeration System	\$63,708	\$43,322	\$103,544	\$70,410	\$33,134
255003	TREATMENT PLANT	Flow Control Fac #8	\$759,916	\$516,743	\$1,235,075	\$839,851	\$395,224
255004	TREATMENT PLANT	Flow Control Fac #8	\$759,916	\$258,371	\$1,235,075	\$419,926	\$815,150
255005	TREATMENT PLANT	Flow Control Fac #8	\$759,916	\$172,248	\$1,235,075	\$279,950	\$955,125
245006	TREATMENT PLANT	Circuit Breakers Vfd	\$84,424	\$50,655	\$139,008	\$83,405	\$55,603
245007	TREATMENT PLANT	Gravity Settler	\$105,099	\$63,060	\$173,050	\$103,830	\$69,220
245008	TREATMENT PLANT	Wtp Elec Supply	\$100,000	\$36,000	\$164,654	\$59,275	\$105,378
245009	TREATMENT PLANT	Equalization Tank	\$73,769	\$66,392	\$121,463	\$109,317	\$12,146
245010	TREATMENT PLANT	Equalization Tank	\$73,769	\$33,196	\$121,463	\$54,658	\$66,805
245012	TREATMENT PLANT	Wtp Trains 9 & 10	\$166,660	\$74,997	\$274,412	\$123,485	\$150,926
245014	TREATMENT PLANT	9.0 Mgd Expansion	\$1,349,191	\$693,870	\$2,221,491	\$1,142,481	\$1,079,010
245015	TREATMENT PLANT	9.0 Mgd Expansion	\$1,892,689	\$681,368	\$3,116,380	\$1,121,897	\$1,994,483
238109	TREATMENT PLANT	Wtp - Building	\$917,570	\$697,353	\$1,643,276	\$1,248,890	\$394,386
238110	TREATMENT PLANT	Wtp - Building	\$1,143,714	\$620,873	\$2,048,278	\$1,111,923	\$936,356
238111	TREATMENT PLANT	Wtp - Building	\$22,357,212	\$8,495,741	\$40,039,541	\$15,215,025	\$24,824,515
238204	TREATMENT PLANT	Cyclic Aeration	\$694,558	\$527,864	\$1,243,885	\$945,353	\$298,532
238207	TREATMENT PLANT	Centrifuge	\$324,073	\$175,925	\$580,382	\$315,064	\$265,317
238211	TREATMENT PLANT	Membranes	\$437,194	\$415,335	\$782,971	\$743,823	\$39,149
238212	TREATMENT PLANT	Membranes	\$975,125	\$529,354	\$1,746,352	\$948,020	\$798,332
238213	TREATMENT PLANT	Membranes	\$975,125	\$370,548	\$1,746,352	\$663,614	\$1,082,738
400009	TREATMENT PLANT	Wtp Capitalized Int	\$3,829,010	\$1,455,024	\$6,857,375	\$2,605,803	\$4,251,573
			\$ 212,356,039	\$ 81,940,193	\$ 340,513,246	\$ 142,965,675	\$ 197,547,571

APPENDIX C:

Water Pipeline Assets Valuation

Appendix C: Water Pipeline Assets Valuation

Olivenhain Municipal Water District - 2022 Water Capacity Study

Transmission & Distribution Pipeline Costs	Zone A	Zone B	Zone C	Zone D	Zone E	Unknown - Allocated Proportionally	Total
Costs Per Zone	\$484,407,634	\$697,432,677	\$90,643,447	\$327,004,818	\$175,099,681	\$40,072,728	\$1,814,660,985
Percentage of Zone Costs	27%	39%	5%	18%	10%		
Allocated Distributed Pipe Costs - Total	\$495,346,248	\$713,181,699	\$92,690,305	\$334,389,052	\$179,053,681		\$1,814,660,985
Allocated Distributed Pipe Costs - Adj. to RCLD	\$259,778,380	\$374,019,562	\$48,610,315	\$175,366,315	\$93,902,549		\$951,677,120

Calculated of Contributed Assets Percentages	Zone A	Zone B	Zone C	Zone D	Zone E	Total
Non-Contributed	\$31,535,643	\$27,263,377	\$134,916	\$9,735,805	\$4,379,670	
Contributed Assets	\$24,900,476	\$14,240,068	\$8,065,046	\$21,092,562	\$32,615,409	
Total Assets	\$56,436,119	\$41,503,445	\$8,199,962	\$30,828,367	\$36,995,079	
% - Non-Contributed	56%	66%	2%	32%	12%	
% - Contributed Assets	44%	34%	98%	68%	88%	

Pipeline Replacement Costs Less Depreciation, net CIAC	\$145,160,199	\$245,691,321	\$799,798	\$55,381,856	\$11,116,673	\$458,149,848
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Summary Pipeline Assets

RCLD -RC Ratio 52%

Asset Class	Inflate?	Fund	Original Cost	Replacement Cost	Original Cost Less Depreciation	Replacement Cost Less Depreciation	Selection: Replacement Cost Less Depreciation
CNT PIPELINES	Yes	100	\$107,607,281	\$190,008,862	\$63,203,477	\$97,551,798	\$97,551,798
CNT PIPELN EXT	Yes	100	\$12,153,089	\$27,781,606	\$4,812,515	\$8,566,636	\$8,566,636
PIPELINES	Yes	100	\$94,975,690	\$165,212,590	\$64,523,187	\$86,010,210	\$86,010,210
PIPELINES-REC	Yes	120	\$16,682,796	\$21,176,151	\$13,581,262	\$17,084,856	\$17,084,856
CNT PIPELNS-REC	Yes	120	\$13,404,696	\$19,290,543	\$8,993,377	\$12,870,117	\$12,870,117
Total			\$244,823,552	\$423,469,752	\$155,113,818	\$222,083,616	\$222,083,616
			TRUE	TRUE	TRUE	TRUE	

Fund	Original Cost	Replacement Cost	Original Cost Less Depreciation	Replacement Cost Less Depreciation	Selection
100 Water	\$214,736,060	\$383,003,058	\$132,539,179	\$192,128,643	\$192,128,643
120 Recycled Water	\$30,087,492	\$40,466,694	\$22,574,639	\$29,954,974	\$29,954,974
Total	\$244,823,552	\$423,469,752	\$155,113,818	\$222,083,616	\$222,083,616
	TRUE	TRUE	TRUE	TRUE	TRUE

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	212235 CNT PIPELINES	MIRA COSTA COLLEGE B200 FDC INSTALL	20,762	\$519	\$21,494	\$537	\$20,957
	212236 CNT PIPELINES	1509 ENC BLVD FDC & WS INSTALL	36,257	\$906	\$37,536	\$938	\$36,598
	212239 CNT PIPELINES	MIRA COSTA COLLEGE BLDG B100 FDC INSTALL	20,762	\$519	\$21,494	\$537	\$20,957
	212240 CNT PIPELINES	THE BEACON - FDC INSTALL	68,583	\$1,715	\$71,002	\$1,775	\$69,227
	212241 CNT PIPELINES	MAIN EXT 145B - CALLE PONTE BELLA	97,055	\$2,426	\$100,479	\$2,512	\$97,967
	212237 CNT PIPELINES	3281 POPPY HILLS LANE FH INSTALL	13,615	\$340	\$14,095	\$352	\$13,743
	212238 CNT PIPELINES	EXT 246 - DESERT ROSE WAY	108,380	\$2,710	\$112,203	\$2,805	\$109,398
	212234 CNT PIPELINES	16020 VIA DICHA WS INSTALL	11,998	\$300	\$12,421	\$311	\$12,111
	202125 CNT PIPELINES	121 AVENIDA ESPERANZA WS INSTALL	11,840	\$592	\$13,247	\$662	\$12,585
	202126 CNT PIPELINES	504 WHISPERWIND DR WS INSTALL	11,840	\$592	\$13,247	\$662	\$12,585
	202128 CNT PIPELINES	ENCINITAS VILLAGE WS INSTAL	12,008	\$600	\$13,435	\$672	\$12,764
	202129 CNT PIPELINES	THE BEACON FH & WS RELOCATION PJT	12,118	\$606	\$13,558	\$678	\$12,880
	202133 CNT PIPELINES	WESTMONT ENCINITAS FDC & WS (2) INSTALL	46,353	\$2,318	\$51,863	\$2,593	\$49,270
	202123 CNT PIPELINES	6804 CALLE PORTONE 4" FS INSTALL	22,601	\$1,130	\$25,287	\$1,264	\$24,023
	202124 CNT PIPELINES	PARCEL 4 COPPER CREST RD WS INSTALL	12,008	\$600	\$13,435	\$672	\$12,764
	202130 CNT PIPELINES	ELFIN VISTA LN WS RELOCATION	11,840	\$592	\$13,247	\$662	\$12,585
	202131 CNT PIPELINES	1170 VIA DI FELICITA RD WS INSTALL	11,840	\$592	\$13,247	\$662	\$12,585
	202132 CNT PIPELINES	ELFIN VISTA LN FDC & WS INSTALL	33,841	\$1,692	\$37,863	\$1,893	\$35,970
	202134 CNT PIPELINES	2902 & 2920 LONE JACK RD FH & WS INSTALL	37,116	\$1,856	\$41,528	\$2,076	\$39,451
	202127 CNT PIPELINES	8960 MT ISRAEL RD WS INSTALL	12,008	\$600	\$13,435	\$672	\$12,764
	202121 CNT PIPELINES	16591 RIO VISTA WATER SERVICE INSTALL	12,008	\$600	\$13,435	\$672	\$12,764
	202122 CNT PIPELINES	16627 RIO VISTA ROAD FDC & WS INSTALL	34,513	\$1,726	\$38,615	\$1,931	\$36,685
	297930 CNT PIPELINES	FDC DIEGUENO MIDDLE SCHOOL	20,253	\$1,519	\$22,553	\$1,691	\$20,861
	297926 CNT PIPELINES	WS 3800 CANYON DE ORO	11,703	\$878	\$13,032	\$977	\$12,055
	297928 CNT PIPELINES	FH 18490 LAGO VISTA (LOT 23)	13,280	\$996	\$14,788	\$1,109	\$13,679
	297933 CNT PIPELINES	FS 2" 18568 CALLE FLORES	12,533	\$940	\$13,956	\$1,047	\$12,909
	297934 CNT PIPELINES	FDC 6847 VIA DEL CHARRO	20,253	\$1,519	\$22,553	\$1,691	\$20,861
	297936 CNT PIPELINES	WS 3456 BUMANN ROAD	11,703	\$878	\$13,032	\$977	\$12,055
	297937 CNT PIPELINES	WS 4180 CANYON DE ORO	11,703	\$878	\$13,032	\$977	\$12,055
	297938 CNT PIPELINES	FH 19828 FORTUNA DEL ESTE	13,280	\$996	\$14,788	\$1,109	\$13,679
	297939 CNT PIPELINES	FH 7499 VISTA RANCHO CT	13,280	\$996	\$14,788	\$1,109	\$13,679
	297900 CNT PIPELINES	WS 9530 MT ISRAEL RD	11,703	\$878	\$13,032	\$977	\$12,055
	297935 CNT PIPELINES	WS (NEW) UPSIZE TO 1" 9433 MT ISRAEL	11,869	\$890	\$13,217	\$991	\$12,226
	297940 CNT PIPELINES	WS REPAIR 2" RANCHO VALENCIA VISTA	5,644	\$423	\$6,285	\$471	\$5,814
	297925 CNT PIPELINES	WS & FDC 16510 ARTESIAN HILLS	31,956	\$2,397	\$35,585	\$2,669	\$32,916
	297927 CNT PIPELINES	FDC HELEN WOODWARD ANIMAL CENTER	21,581	\$1,619	\$24,032	\$1,802	\$22,229
	297929 CNT PIPELINES	WS 16147 VIA DE SANTA FE	11,703	\$878	\$13,032	\$977	\$12,055
	297931 CNT PIPELINES	WS 7533 DEL DIOS HWY	24,984	\$1,874	\$27,821	\$2,087	\$25,734
	297932 CNT PIPELINES	WS & FDC 16413 RIO VISTA RD	34,114	\$2,559	\$37,988	\$2,849	\$35,139
	760234 CNT PIPELINES	WTR SVC (2) ENC VILL SQ PHASE 2	11,732	\$1,173	\$13,253	\$1,325	\$11,928
	760238 CNT PIPELINES	WATER SERVICE - 3111 CADENCIA STREEET	8,861	\$886	\$10,010	\$1,001	\$9,009
	760235 CNT PIPELINES	WATER SERVICE - 3453 BUMANN RD	11,732	\$1,173	\$13,253	\$1,325	\$11,928
	760237 CNT PIPELINES	WATER SERVICE - 9545 MT ISRAEL ROAD	11,568	\$1,157	\$13,068	\$1,307	\$11,761
	760236 CNT PIPELINES	WATER SERVICE - BIANCAMANO PARCEL	11,568	\$1,157	\$13,068	\$1,307	\$11,761
	760231 CNT PIPELINES	BERRYMAN CANYON ENCLAVE PHASE 1	255,101	\$31,888	\$295,705	\$36,963	\$258,742
	760232 CNT PIPELINES	BERRYMAN CANYON ENCLAVE PHASE 2	50,679	\$6,335	\$58,745	\$7,343	\$51,402

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760233	CNT PIPELINES	BERRYMAN CANYON ENCLAVE PHASE 3	51,957	\$6,495	\$60,227	\$7,528	\$52,699
760229	CNT PIPELINES	FAIR OAKS VALLEY	809,147	\$101,143	\$937,938	\$117,242	\$820,695
760230	CNT PIPELINES	RANCHO SANTA FE FARMS RD REALIGNMENT	147,470	\$18,434	\$170,943	\$21,368	\$149,575
760228	CNT PIPELINES	FIRE HYDRANT - 9021 DETWILER RD	11,812	\$1,772	\$14,292	\$2,144	\$12,148
760227	CNT PIPELINES	RANCHO SANTA FE LAKES UNIT 3	1,602,160	\$240,324	\$1,938,503	\$290,775	\$1,647,728
760212	CNT PIPELINES	LA COSTA TOWN SQUARE COMMERCIAL	121,326	\$14,559	\$146,796	\$17,616	\$129,181
760214	CNT PIPELINES	669 RSF RD 1.5" LATERAL	8,420	\$1,010	\$10,188	\$1,223	\$8,965
760215	CNT PIPELINES	GRAUER SCHOOL FDC & WS	23,640	\$2,837	\$28,603	\$3,432	\$25,170
760224	CNT PIPELINES	SDUHS DISTRICT WS & FDC	29,551	\$3,546	\$35,755	\$4,291	\$31,464
760221	CNT PIPELINES	LA COSTA TOWN SQUARE - TAYLOR MORRISON	239,285	\$28,714	\$289,518	\$34,742	\$254,776
760213	CNT PIPELINES	9519 MT ISRAEL RD FH & FS INSTALL	19,750	\$2,370	\$23,896	\$2,868	\$21,029
760217	CNT PIPELINES	7604 TOP O THE MORNING WS RELOCATION	8,421	\$1,011	\$10,189	\$1,223	\$8,966
760216	CNT PIPELINES	CROSBY ENCLAVE	110,413	\$13,250	\$133,592	\$16,031	\$117,561
760218	CNT PIPELINES	16593 FRANZEN FARM RD WS INSTALL	8,421	\$1,011	\$10,189	\$1,223	\$8,966
760219	CNT PIPELINES	LOT 106 CERRO DEL SOL WS RELOCATION	8,421	\$1,011	\$10,189	\$1,223	\$8,966
760220	CNT PIPELINES	RSF LAKES UNIT 4 - PROVINCE COURT	124,521	\$14,943	\$150,662	\$18,079	\$132,582
760223	CNT PIPELINES	6716 POCO LAGO FDC & WS INSTALL	35,935	\$4,312	\$43,479	\$5,217	\$38,261
760226	CNT PIPELINES	RANCHO PASEANA FDC INSTALL	13,295	\$1,595	\$16,086	\$1,930	\$14,156
297670	CNT PIPELINES	204 N El Camino Real FDC	9,000	\$1,260	\$11,055	\$1,548	\$9,508
297672	CNT PIPELINES	La Costa Town Square @ La Costa Ave	583,600	\$81,704	\$716,871	\$100,362	\$616,509
297671	CNT PIPELINES	Rancho Cielo Parcel "M"	493,300	\$69,062	\$605,950	\$84,833	\$521,117
297673	CNT PIPELINES	8948 Mt Israel Rd FDC & WS	21,000	\$2,940	\$25,796	\$3,611	\$22,184
297674	CNT PIPELINES	6415 Rancho Santa Fe Farms Rd Fire Svc	8,200	\$1,148	\$10,073	\$1,410	\$8,662
297675	CNT PIPELINES	4S Ranch Carls JR Wtr Svc Install	10,900	\$1,526	\$13,389	\$1,874	\$11,515
297660	CNT PIPELINES	Westridge - Aryana Drive	181,000	\$28,960	\$227,335	\$36,374	\$190,961
297664	CNT PIPELINES	Lux Institue 4" FDC & 6" Gate Valve	9,000	\$1,440	\$11,304	\$1,809	\$9,495
297669	CNT PIPELINES	Manchester Ave 2 Way Hydrant	10,000	\$1,600	\$12,560	\$2,010	\$10,550
297659	CNT PIPELINES	Rancho Pacifica TM 5148	115,000	\$18,400	\$144,439	\$23,110	\$121,329
297661	CNT PIPELINES	La Costa Town Square 18" PL Relocation	129,000	\$20,640	\$162,023	\$25,924	\$136,099
297667	CNT PIPELINES	Via Roswitha,RSF,TDC,G V & 2 Way Hydrant	18,000	\$2,880	\$22,608	\$3,617	\$18,991
297666	CNT PIPELINES	Rancho Cielo Parcel M	603,000	\$96,480	\$757,364	\$121,178	\$636,186
297658	CNT PIPELINES	Crosby Estates, Emerald Cover, TM 5393-1	226,000	\$36,160	\$283,854	\$45,417	\$238,438
297662	CNT PIPELINES	Rancho Santa Fe Lakes Unit 2, TM 5069	1,139,000	\$182,240	\$1,430,576	\$228,892	\$1,201,684
297665	CNT PIPELINES	Vintage at The Crosby, TM 5073-A	461,000	\$73,760	\$579,013	\$92,642	\$486,371
297668	CNT PIPELINES	7761 Artesian Rd FDC & WS Install	12,000	\$1,920	\$15,072	\$2,412	\$12,660
297663	CNT PIPELINES	Cymer 1" Water Lateral	8,000	\$1,280	\$10,048	\$1,608	\$8,440
297655	CNT PIPELINES	Mission Estancia Fdc Install	70,400	\$12,672	\$92,152	\$16,587	\$75,565
297656	CNT PIPELINES	Unit Aa Pipeline	13,000,000	\$2,340,000	\$17,016,778	\$3,063,020	\$13,953,758
297657	CNT PIPELINES	Olivenhain 9 & 10 Svc Connect	500,000	\$90,000	\$654,491	\$117,808	\$536,683
297648	CNT PIPELINES	Rsf Lakes - Old Course Rd	292,750	\$52,695	\$383,205	\$68,977	\$314,228
297649	CNT PIPELINES	Rsf Lakes - Unit 1	376,350	\$67,743	\$492,636	\$88,674	\$403,961
297651	CNT PIPELINES	Elfin Forest Fire Hydrant	10,250	\$1,845	\$13,417	\$2,415	\$11,002
297650	CNT PIPELINES	Mission Ranch	281,550	\$50,679	\$368,544	\$66,338	\$302,206
297652	CNT PIPELINES	4Sr Med Office Fdc/Conversions	30,700	\$5,526	\$40,186	\$7,233	\$32,952
297647	CNT PIPELINES	Fy12 Contributed Mains	191,952	\$38,390	\$251,387	\$50,277	\$201,110
297644	CNT PIPELINES	Rancho Cielo Parcel 3	316,111	\$63,222	\$413,990	\$82,798	\$331,192

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297645 CNT PIPELINES	Fairbanks Ranch Fs #3	60,204	\$12,041	\$78,845	\$15,769	\$63,076
	297646 CNT PIPELINES	Horizon School 10" Main/G.V.	74,458	\$14,892	\$97,513	\$19,503	\$78,010
	297643 CNT PIPELINES	4S Nbhd #3 - Units 3 & 4	2,450,837	\$490,167	\$3,209,702	\$641,940	\$2,567,761
	297641 CNT PIPELINES	Villas De La Costa	150,985	\$33,217	\$202,619	\$44,576	\$158,043
	297639 CNT PIPELINES	Greater Centurion	56,335	\$12,394	\$75,600	\$16,632	\$58,968
	297640 CNT PIPELINES	Crosby Golf Villas	97,482	\$21,446	\$130,819	\$28,780	\$102,039
	297642 CNT PIPELINES	4S Village Phase 2 P/L Relo	152,500	\$33,550	\$204,652	\$45,023	\$159,629
	297636 CNT PIPELINES	Olivenhain Guest Home	19,457	\$4,670	\$26,344	\$6,323	\$20,022
	297633 CNT PIPELINES	Brookside Lane - Bouchard	7,114	\$1,707	\$9,632	\$2,312	\$7,321
	297623 CNT PIPELINES	Avenida Apice & Berk Access Rd	809,667	\$194,320	\$1,096,276	\$263,106	\$833,170
	297628 CNT PIPELINES	Cielo Village	40,160	\$9,638	\$54,376	\$13,050	\$41,326
	297627 CNT PIPELINES	Ben Bond Residence PI Relo	46,959	\$11,270	\$63,582	\$15,260	\$48,322
	297635 CNT PIPELINES	Morgan Run Resort & Club	19,731	\$4,735	\$26,715	\$6,412	\$20,304
	297637 CNT PIPELINES	Crosby Swim & Tennis Villas	440,993	\$105,838	\$597,098	\$143,303	\$453,794
	297638 CNT PIPELINES	Ext 244 - Rio Vista Rd	49,625	\$11,910	\$67,191	\$16,126	\$51,066
	297622 CNT PIPELINES	4S Pa 40 - Gianni	346,282	\$83,108	\$468,860	\$112,527	\$356,334
	297624 CNT PIPELINES	4S Ranch Nbhd 3 Unit 2	1,339,825	\$321,558	\$1,814,102	\$435,385	\$1,378,718
	297625 CNT PIPELINES	4S Commons	1,822,158	\$437,318	\$2,467,174	\$592,122	\$1,875,052
	297626 CNT PIPELINES	Del Norte High School	58,429	\$14,023	\$79,112	\$18,987	\$60,125
	297629 CNT PIPELINES	Monterey Ridge Elementary Sch	25,228	\$6,055	\$34,158	\$8,198	\$25,960
	297630 CNT PIPELINES	Oak Valley Middle School	31,881	\$7,651	\$43,166	\$10,360	\$32,806
	297631 CNT PIPELINES	Stone Ranch Elementary School	31,527	\$7,566	\$42,687	\$10,245	\$32,442
	297632 CNT PIPELINES	Souplantation	9,580	\$2,299	\$12,971	\$3,113	\$9,858
	297634 CNT PIPELINES	7808 Cmno Sin Puente Fh Instl	4,165	\$1,000	\$5,639	\$1,353	\$4,286
	297610 CNT PIPELINES	Rosebay Condominiums	37,308	\$9,700	\$51,470	\$13,382	\$38,088
	297614 CNT PIPELINES	Horseman'S Valley South	76,500	\$19,890	\$105,540	\$27,440	\$78,099
	297616 CNT PIPELINES	Belmont Village	100,269	\$26,070	\$138,332	\$35,966	\$102,365
	297617 CNT PIPELINES	El Camino Promenade	131,600	\$34,216	\$181,556	\$47,205	\$134,351
	297618 CNT PIPELINES	La Costa Glen Phase 1	362,845	\$94,340	\$500,582	\$130,151	\$370,431
	297619 CNT PIPELINES	La Costa Glen Phase 2	703,955	\$183,028	\$971,179	\$252,507	\$718,673
	297620 CNT PIPELINES	Rite Aid - Manchester Ave	28,382	\$7,379	\$39,156	\$10,181	\$28,975
	297605 CNT PIPELINES	Unit N Pipeline Relocation	323,796	\$84,187	\$446,710	\$116,145	\$330,566
	297606 CNT PIPELINES	Carlsbad Fire Station No. 6	93,415	\$24,288	\$128,876	\$33,508	\$95,368
	297607 CNT PIPELINES	La Costa Ave 18" P/L Relo	200,000	\$52,000	\$275,921	\$71,739	\$204,181
	297608 CNT PIPELINES	Oaks South Nbhd 3.9	217,000	\$56,420	\$299,374	\$77,837	\$221,537
	297602 CNT PIPELINES	Rancho Cielo Parcel "A"	849,383	\$220,840	\$1,171,812	\$304,671	\$867,141
	297611 CNT PIPELINES	Rancho Cielo Parcel "C"	185,591	\$48,254	\$256,042	\$66,571	\$189,471
	297612 CNT PIPELINES	Rancho Cielo Parcel "D"	281,072	\$73,079	\$387,768	\$100,820	\$286,948
	297601 CNT PIPELINES	4S Planning Area 35	29,274	\$7,611	\$40,387	\$10,500	\$29,886
	297603 CNT PIPELINES	4S Ranch 27" Pipeline	758,643	\$197,247	\$1,046,627	\$272,123	\$774,504
	297604 CNT PIPELINES	Quest Medical Office Building	12,000	\$3,120	\$16,555	\$4,304	\$12,251
	297609 CNT PIPELINES	4S Planning Area 38	540,317	\$140,482	\$745,423	\$193,810	\$551,613
	297613 CNT PIPELINES	Dove Canyon Apartments	15,351	\$3,991	\$21,178	\$5,506	\$15,672
	297615 CNT PIPELINES	4S Ranch Nbhd 3 Unit 1	2,755,181	\$716,347	\$3,801,059	\$988,275	\$2,812,783
	287607 CNT PIPELINES	Oaks South Nbhd 3.10/3.11	347,002	\$97,161	\$505,139	\$141,439	\$363,700
	287611 CNT PIPELINES	La Costa Oaks Nbhd 3.08	212,000	\$59,360	\$308,613	\$86,412	\$222,202

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	287610 CNT PIPELINES	Ranch Cielo Parcel F Swr/Water	963,649	\$269,822	\$1,402,807	\$392,786	\$1,010,021
	287612 CNT PIPELINES	Rancho Cielo Parcel G	907,500	\$254,100	\$1,321,069	\$369,899	\$951,170
	287616 CNT PIPELINES	Unit S-3	1,557,508	\$436,102	\$2,267,302	\$634,844	\$1,632,457
	287602 CNT PIPELINES	El Apajo Estates (River Run)	103,649	\$29,022	\$150,884	\$42,248	\$108,637
	287608 CNT PIPELINES	Crosby Estates 5073-7	302,000	\$84,560	\$439,629	\$123,096	\$316,533
	287601 CNT PIPELINES	North Coast Health Center	64,995	\$18,199	\$94,615	\$26,492	\$68,123
	287603 CNT PIPELINES	Coastline Community Church	29,000	\$8,120	\$42,216	\$11,820	\$30,396
	287604 CNT PIPELINES	4S Ranch Pa 37	212,563	\$59,518	\$309,433	\$86,641	\$222,792
	287605 CNT PIPELINES	The Forum	336,500	\$94,220	\$489,851	\$137,158	\$352,693
	287606 CNT PIPELINES	4S Ranch Pa 41	323,063	\$90,458	\$470,291	\$131,681	\$338,609
	287609 CNT PIPELINES	4S Ranch Nbhd 2 Unit 3	1,222,896	\$342,411	\$1,780,199	\$498,456	\$1,281,743
	287613 CNT PIPELINES	4S Ranch La Fitness	75,000	\$21,000	\$109,179	\$30,570	\$78,609
	287614 CNT PIPELINES	4S Pipeline North Phase I	1,381,000	\$386,680	\$2,010,355	\$562,899	\$1,447,455
	287615 CNT PIPELINES	4S Pipeline North Phase Ii	1,729,000	\$484,120	\$2,516,947	\$704,745	\$1,812,202
	277608 CNT PIPELINES	Encinitas Country Day School	78,431	\$29,412	\$119,476	\$44,803	\$74,672
	277609 CNT PIPELINES	Encinitas Ranch Phase Iii	59,484	\$22,307	\$90,613	\$33,980	\$56,633
	277610 CNT PIPELINES	Gardenview Office Building	9,857	\$3,696	\$15,015	\$5,631	\$9,385
	277611 CNT PIPELINES	La Costa Oaks S Cmno Junipero	192,797	\$72,299	\$293,692	\$110,134	\$183,557
	277612 CNT PIPELINES	La Costa Oaks S Nbhd 3.12/3.13	423,728	\$158,898	\$645,473	\$242,053	\$403,421
	277613 CNT PIPELINES	La Costa Oaks S Nbhd 3.14	253,099	\$94,912	\$385,551	\$144,582	\$240,969
	277614 CNT PIPELINES	La Costa Oaks S Nbh	420,000	\$157,500	\$639,794	\$239,923	\$399,872
	277615 CNT PIPELINES	La Costa Oaks S Nbhd	291,000	\$109,125	\$443,286	\$166,232	\$277,054
	277616 CNT PIPELINES	La Costa Oaks South	240,000	\$90,000	\$365,597	\$137,099	\$228,498
	277617 CNT PIPELINES	North Park @ La Cost	56,551	\$21,207	\$86,145	\$32,304	\$53,841
	277622 CNT PIPELINES	Shelley Unit 1 (Centex)	78,800	\$29,550	\$120,038	\$45,014	\$75,024
	277623 CNT PIPELINES	Unit "M" P/L Relocation & Fcf	567,108	\$212,666	\$863,887	\$323,958	\$539,929
	277624 CNT PIPELINES	Unit "M" Relocation - Dove Trl	211,888	\$79,458	\$322,773	\$121,040	\$201,733
	277620 CNT PIPELINES	Rancho Pacifica	92,000	\$34,500	\$140,145	\$52,555	\$87,591
	277619 CNT PIPELINES	Rancho Cielo B Tm 42	473,500	\$177,563	\$721,292	\$270,485	\$450,808
	277602 CNT PIPELINES	Crosby @ Rsf Tm 5073-1	329,000	\$123,375	\$501,172	\$187,940	\$313,233
	277603 CNT PIPELINES	Crosby Golf Clubhouse Ext	76,827	\$28,810	\$117,032	\$43,887	\$73,145
	277604 CNT PIPELINES	Crosby Tm 5073-2	859,000	\$322,125	\$1,308,532	\$490,700	\$817,833
	277605 CNT PIPELINES	Crosby Tm 5073-4	390,600	\$146,475	\$595,009	\$223,128	\$371,881
	277606 CNT PIPELINES	Crosby Tm 5073-8	41,263	\$15,474	\$62,857	\$23,571	\$39,285
	277607 CNT PIPELINES	Crosby Unit 3 Tm 5073-3	284,500	\$106,688	\$433,385	\$162,519	\$270,865
	277618 CNT PIPELINES	Old Course Road Enca	427,000	\$160,125	\$650,458	\$243,922	\$406,536
	277621 CNT PIPELINES	Santa Luz Affordable Housing	371,000	\$139,125	\$565,152	\$211,932	\$353,220
	277626 CNT PIPELINES	Unit Rc-2 Pipeline - Sfv	299,490	\$89,847	\$456,219	\$136,866	\$319,353
	277600 CNT PIPELINES	4S Ranch Nbhd 1 Backbone	1,564,488	\$586,683	\$2,383,216	\$893,706	\$1,489,510
	277601 CNT PIPELINES	4S Ranch Community Park	136,050	\$51,019	\$207,248	\$77,718	\$129,530
	267606 CNT PIPELINES	Enc Ranch N Mesa	96,000	\$38,400	\$151,510	\$60,604	\$90,906
	267615 CNT PIPELINES	Temple Solel	93,475	\$37,390	\$147,525	\$59,010	\$88,515
	267617 CNT PIPELINES	Raw Water Pipeline	107,281	\$34,330	\$169,313	\$54,180	\$115,133
	267604 CNT PIPELINES	Santa Fe Creek #1	242,000	\$96,800	\$381,931	\$152,772	\$229,158
	267605 CNT PIPELINES	Santa Fe Creek #2	65,000	\$26,000	\$102,585	\$41,034	\$61,551
	267607 CNT PIPELINES	Bridges Units 1 & 2	57,000	\$22,800	\$89,959	\$35,984	\$53,975

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Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
267608	CNT PIPELINES	Bridges @ Rsf Unit 3	189,500	\$75,800	\$299,074	\$119,629	\$179,444
267609	CNT PIPELINES	Bridges @ Rsf Unit 4	464,000	\$185,600	\$732,297	\$292,919	\$439,378
267610	CNT PIPELINES	Bridges @ Rsf Unit 6	23,000	\$9,200	\$36,299	\$14,520	\$21,780
267616	CNT PIPELINES	Bridges Unit 5	117,000	\$46,800	\$184,652	\$73,861	\$110,791
267601	CNT PIPELINES	Units V3 & V4 P/L	1,063,252	\$340,241	\$1,678,051	\$536,976	\$1,141,075
267602	CNT PIPELINES	Unit S-1 Valve	66,709	\$21,347	\$105,283	\$33,690	\$71,592
267603	CNT PIPELINES	Unit P-2B P/L Relo	68,000	\$27,200	\$107,319	\$42,928	\$64,392
727601	CNT PIPELINES	Ext 153 Capacity	269,003	\$153,716	\$424,547	\$242,598	\$181,949
267611	CNT PIPELINES	4S Ranch Unit 8	189,000	\$75,600	\$298,285	\$119,314	\$178,971
267612	CNT PIPELINES	4S Ranch Unit 3	301,000	\$120,400	\$475,046	\$190,018	\$285,027
267613	CNT PIPELINES	4S Ranch Nbhd 2 #1	1,039,798	\$415,919	\$1,641,035	\$656,414	\$984,621
267614	CNT PIPELINES	4S Ranch Nbhd 2 #2	1,200,592	\$480,237	\$1,894,805	\$757,922	\$1,136,883
257602	CNT PIPELINES	Enc Ranch Mesa Lower	97,500	\$41,438	\$158,465	\$67,348	\$91,117
257603	CNT PIPELINES	Quail Hollow	255,000	\$108,375	\$414,446	\$176,140	\$238,307
257607	CNT PIPELINES	Shelley Unit 2	162,800	\$69,190	\$264,596	\$112,453	\$152,142
257608	CNT PIPELINES	Shelley Unit 3	281,000	\$119,425	\$456,704	\$194,099	\$262,605
257609	CNT PIPELINES	Shelley Unit 4	209,000	\$88,825	\$339,683	\$144,365	\$195,318
257601	CNT PIPELINES	4S Planning Area 27	197,000	\$83,725	\$320,180	\$136,077	\$184,104
257604	CNT PIPELINES	4S Planning Area 26	188,400	\$80,070	\$306,203	\$130,136	\$176,067
257605	CNT PIPELINES	4S Planning Area 19	400,000	\$170,000	\$650,112	\$276,298	\$373,814
257606	CNT PIPELINES	4S Planning Area 25	626,300	\$266,178	\$1,017,913	\$432,613	\$585,300
257610	CNT PIPELINES	4S Planning Area 16	409,500	\$174,038	\$665,552	\$282,860	\$382,692
257611	CNT PIPELINES	4S Planning Area 29	171,000	\$27,675	\$277,923	\$118,117	\$159,806
257612	CNT PIPELINES	Bernardo Point #4	79,454	\$33,768	\$129,135	\$54,882	\$74,253
257613	CNT PIPELINES	4S Planning Area 15	383,500	\$162,988	\$623,295	\$264,900	\$358,394
257614	CNT PIPELINES	4S Planning Area 28	63,000	\$26,775	\$102,393	\$43,517	\$58,876
257615	CNT PIPELINES	4S Planning Area 12	323,000	\$137,275	\$524,965	\$223,110	\$301,855
257616	CNT PIPELINES	Unit Z P/L -Artesian	2,833,396	\$1,204,193	\$4,605,060	\$1,957,151	\$2,647,910
247601	CNT PIPELINES	Arroyo La Costa #3	70,000	\$31,500	\$115,257	\$51,866	\$63,392
247603	CNT PIPELINES	Rancho La Costa Vlg	25,840	\$11,628	\$42,546	\$19,146	\$23,401
247604	CNT PIPELINES	Rncho La Costa-Rcycl	42,160	\$18,972	\$69,418	\$31,238	\$38,180
247605	CNT PIPELINES	Salviati	458,350	\$206,258	\$754,690	\$339,610	\$415,079
247606	CNT PIPELINES	W-2 Extension	155,209	\$69,844	\$255,557	\$115,001	\$140,556
247602	CNT PIPELINES	4S Rnch Vlg Comm Dev	181,850	\$81,833	\$299,422	\$134,740	\$164,682
237622	CNT PIPELINES	Concordia 28 Llc	124,000	\$58,900	\$222,072	\$105,484	\$116,588
237624	CNT PIPELINES	Arroyo La Costa (F)	75,000	\$35,625	\$134,318	\$63,801	\$70,517
237625	CNT PIPELINES	Arroyo La Costa (K)	173,000	\$82,175	\$309,826	\$147,167	\$162,659
237627	CNT PIPELINES	Arroyo La Costa (D)	189,000	\$89,775	\$338,480	\$160,778	\$177,702
237628	CNT PIPELINES	Arroyo La Costa (M)	126,000	\$59,850	\$225,653	\$107,185	\$118,468
237629	CNT PIPELINES	Arroyo La Costa (N)	201,000	\$95,475	\$359,971	\$170,986	\$188,985
237630	CNT PIPELINES	Arroyo La Costa (O)	127,000	\$60,325	\$227,444	\$108,036	\$119,408
237631	CNT PIPELINES	Arroyo La Costa (B)	294,000	\$139,650	\$526,525	\$250,099	\$276,425
237632	CNT PIPELINES	Ctrh, Llc	25,000	\$11,875	\$44,773	\$21,267	\$23,506
237633	CNT PIPELINES	Unit W-1 Pipeline	749,173	\$355,857	\$1,341,694	\$637,305	\$704,389
237634	CNT PIPELINES	Unit W-2 Pipeline	1,007,144	\$478,393	\$1,803,695	\$856,755	\$946,940
237623	CNT PIPELINES	4S Lots 37 & 38	20,125	\$9,559	\$36,042	\$17,120	\$18,922

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	237626 CNT PIPELINES	4S Lots 14 - 17	20,000	\$9,500	\$35,818	\$17,014	\$18,804
	227620 CNT PIPELINES	Arroyo La Costa - E	204,200	\$102,100	\$372,076	\$186,038	\$186,038
	227621 CNT PIPELINES	Sandalwood - Ps	417,000	\$208,500	\$759,821	\$379,911	\$379,911
	227619 CNT PIPELINES	Groves li	78,000	\$39,000	\$142,125	\$71,062	\$71,062
	217602 CNT PIPELINES	Arroyo La Costa #3	463,000	\$243,075	\$864,164	\$453,686	\$410,478
	217604 CNT PIPELINES	Arroyo La Costa I	376,000	\$197,400	\$701,783	\$368,436	\$333,347
	217606 CNT PIPELINES	Leucadia Highlands	93,000	\$48,825	\$173,579	\$91,129	\$82,450
	217612 CNT PIPELINES	Sage Canyon	97,000	\$50,925	\$181,045	\$95,049	\$85,996
	217616 CNT PIPELINES	Arroyo La Costa #C	118,000	\$61,950	\$220,241	\$115,626	\$104,614
	217603 CNT PIPELINES	Lone Jack Rd Imprvmt	9,000	\$4,725	\$16,798	\$8,819	\$7,979
	217607 CNT PIPELINES	Kinghtsbridge	344,500	\$180,863	\$642,990	\$337,570	\$305,420
	217611 CNT PIPELINES	Crestview	92,000	\$48,300	\$171,713	\$90,149	\$81,564
	217613 CNT PIPELINES	Stratford Knolls	67,500	\$35,438	\$125,985	\$66,142	\$59,843
	217615 CNT PIPELINES	Rancho Verde Unit #2	345,887	\$181,591	\$645,579	\$338,929	\$306,650
	217617 CNT PIPELINES	Rancho Verde Unit #4	124,000	\$65,100	\$231,439	\$121,506	\$109,934
	217605 CNT PIPELINES	Bernardo Lks Unit V1	283,588	\$148,884	\$529,302	\$277,884	\$251,419
	217608 CNT PIPELINES	Christopherhill #1	267,000	\$140,175	\$498,341	\$261,629	\$236,712
	217609 CNT PIPELINES	Christopherhill #2	176,000	\$92,400	\$328,494	\$172,460	\$156,035
	217610 CNT PIPELINES	Christopherhill #3	165,000	\$86,625	\$307,963	\$161,681	\$146,283
	217614 CNT PIPELINES	Christopherhill Bkbn	532,500	\$279,563	\$993,882	\$521,788	\$472,094
	207601 CNT PIPELINES	Mains 99/00 Add'S	3,351,454	\$1,843,300	\$6,395,916	\$3,517,754	\$2,878,162
	760197 CNT PIPELINES	Ext 180 Carlsbad Hs	250,000	\$143,750	\$494,020	\$284,061	\$209,958
	760199 CNT PIPELINES	Arroyo La Costa #2	355,000	\$204,125	\$701,508	\$403,367	\$298,141
	760200 CNT PIPELINES	Calle Barcelona	509,000	\$292,675	\$1,005,824	\$578,349	\$427,475
	760198 CNT PIPELINES	Rancho Lakes Estates	487,455	\$280,287	\$963,249	\$553,868	\$409,381
	760195 CNT PIPELINES	Home Depot	500,000	\$312,500	\$1,012,122	\$632,576	\$379,546
	760192 CNT PIPELINES	Vista Santa Fe Areab	170,666	\$106,666	\$345,470	\$215,918	\$129,551
	760193 CNT PIPELINES	Ranch View Estates	56,500	\$35,313	\$114,370	\$71,481	\$42,889
	760196 CNT PIPELINES	Mains 97/98 Addition	458,135	\$286,334	\$927,377	\$579,611	\$347,766
	760194 CNT PIPELINES	Rancho Lakes	500,000	\$312,500	\$1,012,122	\$632,576	\$379,546
	760189 CNT PIPELINES	Sonata (Tierra S.F.)	183,333	\$119,167	\$377,059	\$245,088	\$131,971
	760190 CNT PIPELINES	Hdden Valley Subdivs	114,200	\$74,230	\$234,874	\$152,668	\$82,206
	760191 CNT PIPELINES	Intertie - Fairbanks	151,634	\$98,562	\$311,863	\$202,711	\$109,152
	760186 CNT PIPELINES	Tierra Santa Fe 9'95	73,333	\$49,500	\$151,568	\$102,308	\$49,259
	760188 CNT PIPELINES	Sonata 1&2 '95	73,333	\$49,500	\$151,568	\$102,308	\$49,259
	760184 CNT PIPELINES	Rancho Farms Ests'95	75,000	\$50,625	\$155,013	\$104,634	\$50,379
	760185 CNT PIPELINES	Vista Santa Fe B1'95	341,334	\$230,400	\$705,483	\$476,201	\$229,282
	760181 CNT PIPELINES	Rosemont Estates	78,500	\$54,950	\$162,080	\$113,456	\$48,624
	760179 CNT PIPELINES	Heritage Raw H2O P/L	1,051,712	\$736,198	\$2,171,481	\$1,520,037	\$651,444
	760182 CNT PIPELINES	Stratford Estates	33,000	\$23,100	\$68,135	\$47,695	\$20,441
	760183 CNT PIPELINES	Wildflower Estate #1	169,500	\$118,650	\$349,968	\$244,978	\$104,991
	760180 CNT PIPELINES	Heritage Hills C.C.	588,000	\$411,600	\$1,214,050	\$849,835	\$364,215
	760178 CNT PIPELINES	Leucadia Homes	51,500	\$37,338	\$107,237	\$77,747	\$29,490
	760177 CNT PIPELINES	Rancho Pacifica Apts	156,500	\$117,375	\$332,513	\$249,385	\$83,128
	760173 CNT PIPELINES	Forrest Bluff Estate	65,000	\$50,375	\$143,965	\$111,573	\$32,392
	760172 CNT PIPELINES	Brookside Sub	93,500	\$72,463	\$207,088	\$160,493	\$46,595

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760174	CNT PIPELINES	Pearce Project	55,500	\$43,013	\$122,924	\$95,266	\$27,658
760176	CNT PIPELINES	Ranch Farms Ests #2	115,000	\$89,125	\$254,707	\$197,398	\$57,309
760175	CNT PIPELINES	Alva Rd Improvements	148,000	\$114,700	\$327,797	\$254,042	\$73,754
760164	CNT PIPELINES	Encinitas Tract 4574	347,500	\$278,000	\$781,928	\$625,542	\$156,386
760168	CNT PIPELINES	Scenna Canyon Subdiv	91,250	\$73,000	\$205,326	\$164,261	\$41,065
760163	CNT PIPELINES	New Horizon Group	17,131	\$13,705	\$38,548	\$30,838	\$7,710
760165	CNT PIPELINES	Rancho S.F.Highlands	213,500	\$170,800	\$480,407	\$384,326	\$96,081
760166	CNT PIPELINES	La Jolla Valencia	341,000	\$272,800	\$767,302	\$613,842	\$153,460
760167	CNT PIPELINES	Rancho S.F. Farms	940,922	\$752,738	\$2,117,218	\$1,693,774	\$423,444
760169	CNT PIPELINES	Unit R P/L 4-S Partn	639,388	\$511,510	\$1,438,720	\$1,150,976	\$287,744
760171	CNT PIPELINES	Water Facilities 4-S	457,750	\$366,200	\$1,030,007	\$824,006	\$206,001
760150	CNT PIPELINES	Mira Costa College S	143,341	\$118,256	\$333,947	\$275,506	\$58,441
760151	CNT PIPELINES	Scotts Valley #1	142,000	\$117,150	\$330,823	\$272,929	\$57,894
760152	CNT PIPELINES	Scotts Valley	204,200	\$168,465	\$475,733	\$392,479	\$83,253
760153	CNT PIPELINES	Monarch Villas	84,000	\$69,300	\$195,698	\$161,451	\$34,247
760156	CNT PIPELINES	Vista Santa Fe #3	138,000	\$113,850	\$321,504	\$265,241	\$56,263
760157	CNT PIPELINES	Vista Santa Fe #4	105,000	\$86,625	\$244,623	\$201,814	\$42,809
760158	CNT PIPELINES	Vista Santa Fe #5	81,500	\$67,238	\$189,874	\$156,646	\$33,228
760159	CNT PIPELINES	Vista Santa Fe #6	90,000	\$74,250	\$209,676	\$172,983	\$36,693
760160	CNT PIPELINES	Beland Project	40,500	\$33,413	\$94,354	\$77,842	\$16,512
760161	CNT PIPELINES	Country Rose #1	208,350	\$171,889	\$485,401	\$400,456	\$84,945
760162	CNT PIPELINES	Country Rose #2	138,900	\$114,593	\$323,601	\$266,971	\$56,630
760154	CNT PIPELINES	Fairbanks Cc #4	83,000	\$68,475	\$193,368	\$159,529	\$33,839
760155	CNT PIPELINES	Fairbankd Cc #6	85,000	\$70,125	\$198,028	\$163,373	\$34,655
760141	CNT PIPELINES	Santa Fe Knolls	544,600	\$462,910	\$1,272,938	\$1,081,997	\$190,941
760142	CNT PIPELINES	Olive Crest	150,000	\$127,500	\$350,607	\$298,016	\$52,591
760144	CNT PIPELINES	Rsf Road Improvement	18,000	\$15,300	\$42,073	\$35,762	\$6,311
760146	CNT PIPELINES	Olivenhain Venture	105,500	\$89,675	\$246,594	\$209,605	\$36,989
760148	CNT PIPELINES	La Costa Condos Ph 3	60,500	\$51,425	\$141,412	\$120,200	\$21,212
760149	CNT PIPELINES	Sea Point Village	180,500	\$153,425	\$421,897	\$358,613	\$63,285
760147	CNT PIPELINES	Windsor Country Ests	364,000	\$309,400	\$850,807	\$723,186	\$127,621
760143	CNT PIPELINES	Rancho Del Rayo- Sub	604,000	\$513,400	\$1,411,778	\$1,200,011	\$211,767
760145	CNT PIPELINES	Fairbanks Polo Club	110,500	\$93,925	\$258,281	\$219,538	\$38,742
760135	CNT PIPELINES	Encinitas Estates #4	105,500	\$92,313	\$259,959	\$227,464	\$32,495
760137	CNT PIPELINES	La Costa Condos 1&2	373,800	\$327,075	\$921,068	\$805,935	\$115,134
760139	CNT PIPELINES	De La Plaza, Encntas	145,000	\$126,875	\$357,290	\$312,629	\$44,661
760140	CNT PIPELINES	Del Rayo Heights Sub	74,500	\$65,188	\$183,573	\$160,626	\$22,947
760136	CNT PIPELINES	Whispering Palms V-I	201,500	\$176,313	\$496,510	\$434,446	\$62,064
760138	CNT PIPELINES	Fairbanks C.C. #3	233,000	\$203,875	\$574,128	\$502,362	\$71,766
760124	CNT PIPELINES	Northview # 6	60,600	\$54,540	\$149,923	\$134,931	\$14,992
760125	CNT PIPELINES	Northview #5	119,900	\$107,910	\$296,631	\$266,968	\$29,663
760126	CNT PIPELINES	Quail Gardens #4.	288,500	\$259,650	\$713,744	\$642,370	\$71,374
760127	CNT PIPELINES	La Costa Trans Main.	192,000	\$172,800	\$475,005	\$427,504	\$47,500
760128	CNT PIPELINES	Santa Fe Ridge #2.	189,000	\$170,100	\$467,583	\$420,825	\$46,758
760129	CNT PIPELINES	Lagoon View.	84,500	\$76,050	\$209,052	\$188,146	\$20,905
760130	CNT PIPELINES	Mission Ridge.	117,000	\$105,300	\$289,456	\$260,510	\$28,946

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760131	CNT PIPELINES	Northview #7.	57,200	\$51,480	\$141,512	\$127,361	\$14,151
760132	CNT PIPELINES	Northview #8.	81,000	\$72,900	\$200,393	\$180,353	\$20,039
760133	CNT PIPELINES	Northview #9.	61,300	\$55,170	\$151,655	\$136,490	\$15,166
760134	CNT PIPELINES	Stonebridge	169,500	\$152,550	\$419,340	\$377,406	\$41,934
760109	CNT PIPELINES	Vista Santa Fe #2	75,000	\$69,375	\$185,736	\$171,806	\$13,930
760110	CNT PIPELINES	Seagate Village	288,500	\$266,863	\$714,466	\$660,881	\$53,585
760114	CNT PIPELINES	Encinitas Villg Apts	47,000	\$43,475	\$116,395	\$107,665	\$8,730
760115	CNT PIPELINES	Villg Park Villas #5	5,900	\$5,458	\$14,611	\$13,515	\$1,096
760116	CNT PIPELINES	La Costa Trans Main.	479,292	\$443,345	\$1,186,960	\$1,097,938	\$89,022
760117	CNT PIPELINES	Pac Ranch-Tennis Clb	328,200	\$303,585	\$812,783	\$751,824	\$60,959
760120	CNT PIPELINES	Olivenhain Bluffs	26,000	\$24,050	\$64,389	\$59,559	\$4,829
760121	CNT PIPELINES	Camino Creek #2	201,000	\$185,925	\$497,774	\$460,441	\$37,333
760122	CNT PIPELINES	Santa Fe Ridge #1	160,000	\$148,000	\$396,238	\$366,520	\$29,718
760123	CNT PIPELINES	Summerhill- Tm4421-1	290,452	\$268,668	\$719,300	\$665,353	\$53,948
760107	CNT PIPELINES	Vista Del Rio	148,500	\$137,363	\$367,758	\$340,176	\$27,582
760108	CNT PIPELINES	Vista Santa Fe #1	108,500	\$100,363	\$268,699	\$248,546	\$20,152
760113	CNT PIPELINES	Galeria	87,750	\$81,169	\$217,312	\$201,013	\$16,298
760118	CNT PIPELINES	Aliso Canyon Road	166,400	\$153,920	\$412,087	\$381,181	\$30,907
760106	CNT PIPELINES	Fairbanks Cntry Club	200,000	\$185,000	\$495,297	\$458,150	\$37,147
760111	CNT PIPELINES	Fairbanks Cntry Club	197,000	\$182,225	\$487,868	\$451,278	\$36,590
760112	CNT PIPELINES	Fairbanks Cntry Club	111,000	\$102,675	\$274,890	\$254,273	\$20,617
760119	CNT PIPELINES	Fairbanks Ranch #4	524,000	\$484,700	\$1,297,679	\$1,200,353	\$97,326
760095	CNT PIPELINES	Village Park Nrtvw 2	12,478	\$11,854	\$31,999	\$30,399	\$1,600
760096	CNT PIPELINES	Camino Creek #3	34,873	\$33,129	\$89,429	\$84,957	\$4,471
760097	CNT PIPELINES	Hollyridge	16,000	\$15,200	\$41,031	\$38,979	\$2,052
760098	CNT PIPELINES	Sakal Project	44,330	\$42,114	\$113,681	\$107,997	\$5,684
760100	CNT PIPELINES	Village Park Nthvw 3	48,500	\$46,075	\$124,374	\$118,155	\$6,219
760101	CNT PIPELINES	Village Park Nthvw 4	60,620	\$57,589	\$155,455	\$147,682	\$7,773
760102	CNT PIPELINES	Heritage Park	154,275	\$146,561	\$395,625	\$375,844	\$19,781
760103	CNT PIPELINES	Jantsch Project	26,000	\$24,700	\$66,675	\$63,341	\$3,334
760104	CNT PIPELINES	Morning Sun West li	254,000	\$241,300	\$651,362	\$618,794	\$32,568
760105	CNT PIPELINES	Encinitas Racquet C.	108,000	\$102,600	\$276,957	\$263,109	\$13,848
760099	CNT PIPELINES	Vista Del Rio 1&2	175,500	\$166,725	\$450,055	\$427,552	\$22,503
760094	CNT PIPELINES	Santa Fe Highlands	289,500	\$282,263	\$771,139	\$751,861	\$19,278
760090	CNT PIPELINES	Whspring Plms Grn #3	76,200	\$74,295	\$202,973	\$197,899	\$5,074
760091	CNT PIPELINES	Vida Pacifica Ph I	288,500	\$281,288	\$768,476	\$749,264	\$19,212
760092	CNT PIPELINES	Rancho La Zanja #1	166,380	\$162,221	\$443,185	\$432,106	\$11,080
760093	CNT PIPELINES	Rancho Del Lago	308,000	\$300,300	\$820,418	\$799,907	\$20,510
760075	CNT PIPELINES	Serena Vista	47,634	\$26,675	\$156,621	\$87,708	\$68,913
760076	CNT PIPELINES	South Pointe Farms	190,200	\$106,512	\$625,380	\$350,213	\$275,167
760077	CNT PIPELINES	Whspring Plms Vil #2	101,200	\$56,672	\$332,747	\$186,338	\$146,409
760065	CNT PIPELINES	Mccoy Med.	15,900	\$9,116	\$58,939	\$33,792	\$25,148
760067	CNT PIPELINES	Canon Pk I-II-III	54,300	\$31,132	\$201,284	\$115,403	\$85,881
760068	CNT PIPELINES	Canon Pk I-II-III	71,000	\$40,707	\$263,189	\$150,895	\$112,294
760069	CNT PIPELINES	Canon Pk I-II-III	28,799	\$16,511	\$106,755	\$61,206	\$45,549
760070	CNT PIPELINES	Shady Hollow	82,110	\$47,076	\$304,372	\$174,507	\$129,866

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
760071	CNT PIPELINES	Ponderosa #5	53,662	\$30,766	\$198,919	\$114,047	\$84,872
760072	CNT PIPELINES	Vllge Pk,N County #2	71,263	\$40,857	\$264,164	\$151,454	\$112,710
760073	CNT PIPELINES	Wandering Rd Schl St	25,725	\$14,749	\$95,360	\$54,673	\$40,687
760059	CNT PIPELINES	La Costa #3	187,003	\$109,708	\$737,280	\$432,537	\$304,742
760060	CNT PIPELINES	La Costa #4	70,700	\$41,477	\$278,742	\$163,529	\$115,214
760061	CNT PIPELINES	Rancho Pond #4	78,200	\$45,877	\$308,312	\$180,876	\$127,436
760049	CNT PIPELINES	Green Valley Knolls	233,003	\$139,802	\$1,220,068	\$732,041	\$488,027
760050	CNT PIPELINES	Summerfield #9	43,430	\$26,058	\$227,412	\$136,447	\$90,965
760051	CNT PIPELINES	Summerfield #8	77,452	\$46,471	\$405,560	\$243,336	\$162,224
760053	CNT PIPELINES	Village Pk #15	29,283	\$17,570	\$153,334	\$92,000	\$61,334
760054	CNT PIPELINES	Encinitas Est #3	46,724	\$28,034	\$244,660	\$146,796	\$97,864
760055	CNT PIPELINES	Rancho Del Pond #1	70,000	\$42,000	\$366,539	\$219,924	\$146,616
760056	CNT PIPELINES	Rancho Del Pond #2	65,850	\$39,510	\$344,809	\$206,885	\$137,924
760057	CNT PIPELINES	Rancho Del Dios	304,420	\$182,652	\$1,594,027	\$956,416	\$637,611
760058	CNT PIPELINES	Adj Per Aje/6-30-77	38,751	\$23,251	\$202,911	\$121,747	\$81,164
760045	CNT PIPELINES	Summerfield #6	15,405	\$9,448	\$86,544	\$53,080	\$33,464
760046	CNT PIPELINES	Summerfield #7	29,239	\$17,933	\$164,263	\$100,748	\$63,515
760047	CNT PIPELINES	Santa Fe Glens	62,681	\$38,445	\$352,139	\$215,979	\$136,161
760048	CNT PIPELINES	S D Shore-Wanket Tnk	211,928	\$129,983	\$1,190,597	\$730,233	\$460,364
760010	CNT PIPELINES	Vllge Pk #10	52,900	\$33,151	\$322,581	\$202,151	\$120,430
760011	CNT PIPELINES	Vllge Pk #11	21,100	\$13,223	\$128,667	\$80,631	\$48,036
760012	CNT PIPELINES	Vllge Pk #12	54,493	\$34,149	\$332,295	\$208,238	\$124,057
760033	CNT PIPELINES	San Elijo Hills	142,592	\$89,358	\$869,518	\$544,898	\$324,620
760014	CNT PIPELINES	Vllg Pk Villas #1	63,753	\$40,802	\$425,714	\$272,457	\$153,257
760016	CNT PIPELINES	Vllg Pk Villas #3	41,700	\$26,688	\$278,454	\$178,210	\$100,243
760017	CNT PIPELINES	Vllg Pk Villas #17	20,300	\$12,992	\$135,554	\$86,755	\$48,800
760006	CNT PIPELINES	Vllge Pk #6	25,471	\$16,641	\$181,303	\$118,451	\$62,852
760035	CNT PIPELINES	Villanitas #1	25,519	\$16,672	\$181,643	\$118,673	\$62,970
760038	CNT PIPELINES	Emerald Classics #2	25,200	\$16,464	\$179,374	\$117,191	\$62,183
760037	CNT PIPELINES	Emerald Classics #1	15,410	\$10,273	\$118,574	\$79,049	\$39,525
760044	CNT PIPELINES	Whspring Plms Grn #2	29,899	\$19,933	\$230,059	\$153,373	\$76,686
760002	CNT PIPELINES	Village Park #2	11,641	\$7,916	\$99,318	\$67,536	\$31,782
760022	CNT PIPELINES	Pacific Sereno #4	25,830	\$17,564	\$220,374	\$149,855	\$70,520
760027	CNT PIPELINES	La Costa South #6	11,557	\$7,859	\$98,599	\$67,047	\$31,552
760030	CNT PIPELINES	La Costa Vale #2	38,336	\$26,068	\$327,068	\$222,406	\$104,662
760039	CNT PIPELINES	Emerald Classics #3	14,155	\$9,625	\$120,767	\$82,121	\$38,645
760040	CNT PIPELINES	Emerald Classics #4	15,728	\$10,695	\$134,187	\$91,247	\$42,940
760041	CNT PIPELINES	Whsprng Plms Grn #1	52,420	\$35,646	\$447,233	\$304,118	\$143,114
760042	CNT PIPELINES	Palms Golf	24,080	\$16,374	\$205,444	\$139,702	\$65,742
760019	CNT PIPELINES	Pacific Sereno #1	42,375	\$29,380	\$413,890	\$286,963	\$126,926
760020	CNT PIPELINES	Pacific Sereno #2	21,435	\$14,862	\$209,362	\$145,158	\$64,204
760021	CNT PIPELINES	Pacific Sereno #3	26,300	\$18,235	\$256,880	\$178,104	\$78,777
760024	CNT PIPELINES	La Costa South #1	80,086	\$55,526	\$782,224	\$542,342	\$239,882
760018	CNT PIPELINES	Lake Val Sereno #2	27,948	\$19,377	\$272,977	\$189,264	\$83,713
202138	CNT PIPELN EXT	MAIN EXT 256 - SANTA FE HEIGHTS	141,048	\$7,052	\$157,813	\$7,891	\$149,923
297518	CNT PIPELN EXT	EXT 235 - PALMA DE LA REINA	379,561	\$37,956	\$428,782	\$42,878	\$385,904

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297517 CNT PIPELN EXT	EXT 68A - ELFIN VISTA LANE	48,149	\$6,019	\$55,813	\$6,977	\$48,836
	297515 CNT PIPELN EXT	Ext 248-Citymark Olivenhain Primrose Ln	58,000	\$8,120	\$71,245	\$9,974	\$61,271
	297516 CNT PIPELN EXT	Ext 253 - Cole Ranch Rd	21,000	\$2,940	\$25,796	\$3,611	\$22,184
	297512 CNT PIPELN EXT	Extension 166 - Minks	233,000	\$37,280	\$292,646	\$46,823	\$245,823
	297513 CNT PIPELN EXT	Extension 9B - Levie	41,000	\$6,560	\$51,496	\$8,239	\$43,256
	297514 CNT PIPELN EXT	Extension 247 - Vista Hills	52,000	\$8,320	\$65,312	\$10,450	\$54,862
	297510 CNT PIPELN EXT	Ext 174A - Calzada Del Bosque	100,440	\$25,110	\$131,540	\$32,885	\$98,655
	297511 CNT PIPELN EXT	Ext 245 - Crosby Looped	67,707	\$16,927	\$88,671	\$22,168	\$66,504
	297508 CNT PIPELN EXT	Ext 238A - Pacifica Ranch	36,945	\$10,160	\$49,579	\$13,634	\$35,945
	297509 CNT PIPELN EXT	Ext 191A - Via De La Nola	24,330	\$6,691	\$32,650	\$8,979	\$23,672
	297504 CNT PIPELN EXT	Main Ext 242 - Rimmer	66,274	\$19,882	\$89,734	\$26,920	\$62,814
	297505 CNT PIPELN EXT	Ext 233 - Bella Vista Drive	84,620	\$25,386	\$114,574	\$34,372	\$80,202
	297506 CNT PIPELN EXT	Ext 151A - Church Of Nativity	7,476	\$2,243	\$10,122	\$3,037	\$7,086
	297507 CNT PIPELN EXT	Main Ext 231 - Artesian Rd	81,293	\$24,388	\$110,069	\$33,021	\$77,049
	297501 CNT PIPELN EXT	Ext 234 - Bella Collina	21,152	\$6,874	\$29,181	\$9,484	\$19,697
	297503 CNT PIPELN EXT	Ext 169 - Los Coches Village	161,778	\$52,578	\$223,190	\$72,537	\$150,653
	297502 CNT PIPELN EXT	Ext 230 - Rancho Valencia	104,351	\$33,914	\$143,963	\$46,788	\$97,175
	287501 CNT PIPELN EXT	El Apajo Estates (River Run)	12,476	\$3,493	\$18,162	\$5,085	\$13,076
	287502 CNT PIPELN EXT	Christopher Hill Duplexes	125,000	\$35,000	\$181,965	\$50,950	\$131,015
	287503 CNT PIPELN EXT	Christopher Hill Triplexes	169,500	\$47,460	\$246,745	\$69,089	\$177,657
	277500 CNT PIPELN EXT	Main Ext 186-Narcissus Summit	55,565	\$20,837	\$84,643	\$31,741	\$52,902
	277501 CNT PIPELN EXT	Main Ext 145B Fh & Water Svcs	27,013	\$10,130	\$41,149	\$15,431	\$25,718
	277503 CNT PIPELN EXT	Main Ext 239 Passo Fiore	58,762	\$22,036	\$89,513	\$33,568	\$55,946
	277502 CNT PIPELN EXT	Main Ext 196C Poco Log/Roxbury	67,500	\$25,313	\$102,824	\$38,559	\$64,265
	267505 CNT PIPELN EXT	Main Ext 229-Lux Art	62,199	\$24,880	\$98,164	\$39,266	\$58,898
	267501 CNT PIPELN EXT	Main Extension 186A	50,000	\$20,000	\$78,911	\$31,565	\$47,347
	267502 CNT PIPELN EXT	Main Extension 186B	45,800	\$18,320	\$72,283	\$28,913	\$43,370
	267503 CNT PIPELN EXT	Main Extension 186C	48,300	\$19,320	\$76,228	\$30,491	\$45,737
	267504 CNT PIPELN EXT	Main Extension 186D	28,500	\$11,400	\$44,979	\$17,992	\$26,988
	267506 CNT PIPELN EXT	Main Extension 214	44,000	\$17,600	\$69,442	\$27,777	\$41,665
	267507 CNT PIPELN EXT	Bridges Main Ext 145	285,241	\$114,096	\$450,175	\$180,070	\$270,105
	257501 CNT PIPELN EXT	Main Ext 201-Dixon	152,000	\$64,600	\$247,042	\$104,993	\$142,049
	247505 CNT PIPELN EXT	Extension 222	31,000	\$13,950	\$51,043	\$22,969	\$28,073
	247501 CNT PIPELN EXT	Main Ext 149C	73,000	\$32,850	\$120,197	\$54,089	\$66,108
	247502 CNT PIPELN EXT	Main Ext 220	25,800	\$11,610	\$42,481	\$19,116	\$23,364
	247503 CNT PIPELN EXT	Main Ext 224	48,000	\$21,600	\$79,034	\$35,565	\$43,469
	247504 CNT PIPELN EXT	Extension 227	39,000	\$17,550	\$64,215	\$28,897	\$35,318
	247506 CNT PIPELN EXT	Ext 219 - Rio Vista	51,100	\$22,995	\$84,138	\$37,862	\$46,276
	237506 CNT PIPELN EXT	Extension 212	21,000	\$9,975	\$37,609	\$17,864	\$19,745
	227505 CNT PIPELN EXT	Main Ext 207	64,000	\$32,000	\$116,615	\$58,308	\$58,308
	217504 CNT PIPELN EXT	Main Ext 205	57,000	\$29,925	\$106,387	\$55,853	\$50,534
	217502 CNT PIPELN EXT	Main Ext 195	26,000	\$13,650	\$48,528	\$25,477	\$23,051
	217503 CNT PIPELN EXT	Main Ext 211	81,200	\$42,630	\$151,555	\$79,567	\$71,989
	207501 CNT PIPELN EXT	Pipeline 99/00 Adds	454,300	\$249,865	\$866,986	\$476,842	\$390,144
	750164 CNT PIPELN EXT	Extension 149D	20,000	\$11,500	\$39,522	\$22,725	\$16,797
	750165 CNT PIPELN EXT	Extension 149B	71,000	\$40,825	\$140,302	\$80,673	\$59,628

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	750162 CNT PIPELN EXT	Pipeline 97/98 Adds	233,585	\$145,991	\$472,833	\$295,521	\$177,312
	750163 CNT PIPELN EXT	Unit S Pipeline	469,415	\$293,384	\$950,210	\$593,882	\$356,329
	750161 CNT PIPELN EXT	Rancho Cielo 27"	250,000	\$156,250	\$506,061	\$316,288	\$189,773
	750160 CNT PIPELN EXT	P/L Ext #134A	96,500	\$62,725	\$198,470	\$129,006	\$69,465
	750159 CNT PIPELN EXT	P/L Ext #193	28,000	\$18,200	\$57,587	\$37,432	\$20,156
	750158 CNT PIPELN EXT	Ext #191	42,000	\$27,300	\$86,381	\$56,148	\$30,233
	750156 CNT PIPELN EXT	P/L Ext# 192 '95	81,000	\$54,675	\$167,414	\$113,004	\$54,410
	750155 CNT PIPELN EXT	P/L Ext# 142 '95	590,000	\$398,250	\$1,219,435	\$823,119	\$396,316
	750157 CNT PIPELN EXT	P/L Ext# 149A '95	49,000	\$33,075	\$101,275	\$68,361	\$32,914
	750154 CNT PIPELN EXT	P/L Ext# 194 '95	40,000	\$27,000	\$82,674	\$55,805	\$26,869
	750151 CNT PIPELN EXT	P/L Ext 177	29,000	\$20,300	\$59,877	\$41,914	\$17,963
	750153 CNT PIPELN EXT	P/L Ext 146	25,000	\$17,500	\$51,618	\$36,132	\$15,485
	750152 CNT PIPELN EXT	P/L Ext 149	35,500	\$24,850	\$73,297	\$51,308	\$21,989
	750145 CNT PIPELN EXT	P/L Ext # 184	15,500	\$11,238	\$32,275	\$23,400	\$8,876
	750150 CNT PIPELN EXT	P/L Ext # 187	22,500	\$16,313	\$46,851	\$33,967	\$12,884
	750146 CNT PIPELN EXT	P/L Ext # 172	59,000	\$42,775	\$122,854	\$89,069	\$33,785
	750147 CNT PIPELN EXT	P/L Ext # 99A	36,000	\$26,100	\$74,962	\$54,347	\$20,615
	750148 CNT PIPELN EXT	P/L Ext # 174	68,000	\$49,300	\$141,595	\$102,656	\$38,939
	750149 CNT PIPELN EXT	P/L Ext # 178	41,000	\$29,725	\$85,373	\$61,896	\$23,478
	750142 CNT PIPELN EXT	P/L Ext.#181	36,000	\$27,000	\$76,489	\$57,366	\$19,122
	750140 CNT PIPELN EXT	P/L Ext.#157	37,500	\$28,125	\$79,676	\$59,757	\$19,919
	750141 CNT PIPELN EXT	P/L Ext.#162	42,000	\$31,500	\$89,237	\$66,927	\$22,309
	750143 CNT PIPELN EXT	P/L Ext.#157	21,000	\$15,750	\$44,618	\$33,464	\$11,155
	750144 CNT PIPELN EXT	P/L Ext.#188	16,500	\$12,375	\$35,057	\$26,293	\$8,764
	750135 CNT PIPELN EXT	P/L Ext #176	114,000	\$88,350	\$252,492	\$195,681	\$56,811
	750137 CNT PIPELN EXT	P/L Ext #170	15,000	\$11,625	\$33,223	\$25,748	\$7,475
	750132 CNT PIPELN EXT	P/L Ext #161	87,750	\$68,006	\$194,352	\$150,623	\$43,729
	750134 CNT PIPELN EXT	P/L Ext #160	16,500	\$12,788	\$36,545	\$28,322	\$8,223
	750138 CNT PIPELN EXT	P/L Ext #168	30,500	\$23,638	\$67,553	\$52,353	\$15,199
	750136 CNT PIPELN EXT	P/L Ext #173	72,500	\$56,188	\$160,576	\$124,446	\$36,130
	750139 CNT PIPELN EXT	P/L Ext #154	110,000	\$85,250	\$243,633	\$188,815	\$54,817
	750130 CNT PIPELN EXT	P/L Ext. 101	152,000	\$121,600	\$342,023	\$273,619	\$68,405
	750131 CNT PIPELN EXT	P/L Ext. 158	35,500	\$28,400	\$79,880	\$63,904	\$15,976
	750125 CNT PIPELN EXT	P/L Ext. 88A	19,000	\$15,200	\$42,753	\$34,202	\$8,551
	750126 CNT PIPELN EXT	P/L Ext. 151	87,000	\$69,600	\$195,763	\$156,611	\$39,153
	750127 CNT PIPELN EXT	P/L Ext. 140	949,500	\$759,600	\$2,136,520	\$1,709,216	\$427,304
	750128 CNT PIPELN EXT	P/L Ext. 104	75,000	\$60,000	\$168,761	\$135,009	\$33,752
	750129 CNT PIPELN EXT	P/L Ext 155	42,500	\$34,000	\$95,631	\$76,505	\$19,126
	750121 CNT PIPELN EXT	P/L Ext. 147	19,000	\$15,675	\$44,265	\$36,519	\$7,746
	750122 CNT PIPELN EXT	P/L Ext 120	195,000	\$160,875	\$454,299	\$374,797	\$79,502
	750123 CNT PIPELN EXT	P/L Ext 109A	50,500	\$41,663	\$117,652	\$97,063	\$20,589
	750124 CNT PIPELN EXT	P/L Ext. 82	13,000	\$10,725	\$30,287	\$24,986	\$5,300
	750117 CNT PIPELN EXT	P/L Extension #133	145,700	\$123,845	\$340,556	\$289,473	\$51,083
	750118 CNT PIPELN EXT	P/L Extension #135	36,500	\$31,025	\$85,314	\$72,517	\$12,797
	750120 CNT PIPELN EXT	P/L Extension #115A	442,000	\$375,700	\$1,033,122	\$878,154	\$154,968
	750119 CNT PIPELN EXT	P/L Extension #129	20,000	\$17,000	\$46,748	\$39,735	\$7,012

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	750112 CNT PIPELN EXT	P/L Extension # 138	61,500	\$53,813	\$151,540	\$132,598	\$18,943
	750114 CNT PIPELN EXT	P/L Extension # 134	81,500	\$71,313	\$200,821	\$175,719	\$25,103
	750115 CNT PIPELN EXT	P/L Extension # 119	17,500	\$15,313	\$43,121	\$37,731	\$5,390
	750111 CNT PIPELN EXT	P/L Extension # 132	26,000	\$22,750	\$64,066	\$56,058	\$8,008
	750113 CNT PIPELN EXT	P/L Extension #136	23,500	\$20,563	\$57,906	\$50,667	\$7,238
	750116 CNT PIPELN EXT	P/L Extension # 139	15,000	\$13,125	\$36,961	\$32,341	\$4,620
	750106 CNT PIPELN EXT	P/L Extension # 92	25,728	\$23,155	\$63,651	\$57,286	\$6,365
	750107 CNT PIPELN EXT	P/L Extension # 113	22,500	\$20,250	\$55,665	\$50,098	\$5,566
	750109 CNT PIPELN EXT	P/L Extension # 72	64,500	\$58,050	\$159,572	\$143,615	\$15,957
	750110 CNT PIPELN EXT	P/L Extension # 112	44,640	\$40,176	\$110,439	\$99,395	\$11,044
	750104 CNT PIPELN EXT	P/L Extension # 127	185,000	\$166,500	\$457,687	\$411,918	\$45,769
	750103 CNT PIPELN EXT	Extension 116	50,000	\$46,250	\$123,824	\$114,537	\$9,287
	750105 CNT PIPELN EXT	P/L Extension # 111	105,000	\$97,125	\$260,031	\$240,529	\$19,502
	750099 CNT PIPELN EXT	Extension 123	157,000	\$145,225	\$388,808	\$359,648	\$29,161
	750100 CNT PIPELN EXT	Extension 124	12,800	\$11,840	\$31,699	\$29,322	\$2,377
	750101 CNT PIPELN EXT	Extension 125	164,000	\$151,700	\$406,144	\$375,683	\$30,461
	750102 CNT PIPELN EXT	Extension 128	107,500	\$99,438	\$266,222	\$246,256	\$19,967
	750097 CNT PIPELN EXT	Extension 96	23,500	\$22,325	\$60,264	\$57,251	\$3,013
	750098 CNT PIPELN EXT	Extension 122	41,500	\$39,425	\$106,423	\$101,102	\$5,321
	750096 CNT PIPELN EXT	Extension 128	107,500	\$102,125	\$275,675	\$261,891	\$13,784
	750092 CNT PIPELN EXT	Ext 108	151,400	\$147,615	\$403,283	\$393,201	\$10,082
	750094 CNT PIPELN EXT	Ext 118	45,000	\$43,875	\$119,866	\$116,870	\$2,997
	750095 CNT PIPELN EXT	Ext 118 Off-Site	56,500	\$55,088	\$150,499	\$146,736	\$3,762
	750091 CNT PIPELN EXT	Ext 105	20,000	\$19,500	\$53,274	\$51,942	\$1,332
	750093 CNT PIPELN EXT	Ext 115	45,000	\$43,875	\$119,866	\$116,870	\$2,997
	750069 CNT PIPELN EXT	Extension #52	24,650	\$13,804	\$81,050	\$45,388	\$35,662
	750070 CNT PIPELN EXT	Extension #74	11,400	\$6,384	\$37,483	\$20,991	\$16,493
	750071 CNT PIPELN EXT	Extension #73	18,600	\$10,416	\$61,157	\$34,248	\$26,909
	750072 CNT PIPELN EXT	Extension #75	10,400	\$5,824	\$34,195	\$19,149	\$15,046
	750073 CNT PIPELN EXT	Extension #79	13,500	\$7,560	\$44,388	\$24,857	\$19,531
	750074 CNT PIPELN EXT	Extension #86	34,000	\$19,040	\$111,792	\$62,604	\$49,189
	750076 CNT PIPELN EXT	Ext 29 Supplement	3,145	\$1,761	\$10,341	\$5,791	\$4,550
	750075 CNT PIPELN EXT	Extension #84	53,000	\$29,680	\$174,265	\$97,588	\$76,676
	750059 CNT PIPELN EXT	Extension #50	41,151	\$23,593	\$152,542	\$87,457	\$65,085
	750064 CNT PIPELN EXT	Extension #75	10,400	\$5,963	\$38,552	\$22,103	\$16,449
	750065 CNT PIPELN EXT	Extension #76	16,000	\$9,173	\$59,310	\$34,004	\$25,306
	750060 CNT PIPELN EXT	Extension #56	14,912	\$8,550	\$55,277	\$31,692	\$23,585
	750062 CNT PIPELN EXT	Extension #68	34,400	\$19,723	\$127,517	\$73,110	\$54,407
	750063 CNT PIPELN EXT	Extension #69	11,430	\$6,553	\$42,370	\$24,292	\$18,078
	750066 CNT PIPELN EXT	Extension #77	24,207	\$13,879	\$89,733	\$51,447	\$38,286
	750067 CNT PIPELN EXT	Extension #78	13,400	\$7,683	\$49,672	\$28,479	\$21,193
	750061 CNT PIPELN EXT	Extension #60	32,600	\$18,691	\$120,844	\$69,284	\$51,560
	750053 CNT PIPELN EXT	Extension #71	20,800	\$12,203	\$82,006	\$48,110	\$33,896
	750055 CNT PIPELN EXT	Extension #63	7,800	\$4,576	\$30,752	\$18,041	\$12,711
	750057 CNT PIPELN EXT	Extension #57	16,000	\$9,387	\$63,082	\$37,008	\$26,074
	750054 CNT PIPELN EXT	Extension #65	11,200	\$6,571	\$44,157	\$25,906	\$18,252

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	750056 CNT PIPELN EXT	Snypes & Salerno	20,950	\$12,291	\$82,598	\$48,457	\$34,140
	750058 CNT PIPELN EXT	Extension #67	7,300	\$4,283	\$28,781	\$16,885	\$11,896
	750042 CNT PIPELN EXT	Extension #41	37,271	\$22,860	\$209,387	\$128,424	\$80,963
	750045 CNT PIPELN EXT	Extension #44	12,015	\$7,369	\$67,501	\$41,400	\$26,100
	750046 CNT PIPELN EXT	Extension #45	16,380	\$10,046	\$92,022	\$56,440	\$35,582
	750038 CNT PIPELN EXT	Extension #37	5,200	\$3,189	\$29,213	\$17,917	\$11,296
	750039 CNT PIPELN EXT	Extension #38	16,022	\$9,827	\$90,008	\$55,205	\$34,803
	750040 CNT PIPELN EXT	Extension #39	22,643	\$13,888	\$127,206	\$78,020	\$49,186
	750041 CNT PIPELN EXT	Extension #40	22,701	\$13,923	\$127,533	\$78,220	\$49,313
	750044 CNT PIPELN EXT	Extension #43	5,248	\$3,219	\$29,480	\$18,081	\$11,399
	750047 CNT PIPELN EXT	Extension #47	10,148	\$6,224	\$57,011	\$34,966	\$22,044
	750048 CNT PIPELN EXT	Extension #48	9,558	\$5,862	\$53,695	\$32,933	\$20,762
	750051 CNT PIPELN EXT	Extension #53	10,401	\$6,379	\$58,434	\$35,839	\$22,594
	750043 CNT PIPELN EXT	Extension #42	4,000	\$2,453	\$22,472	\$13,783	\$8,689
	750049 CNT PIPELN EXT	Extension #49	7,467	\$4,580	\$41,949	\$25,729	\$16,220
	750036 CNT PIPELN EXT	Extension #35	12,642	\$7,922	\$77,091	\$48,310	\$28,781
	750037 CNT PIPELN EXT	Extension #36	5,316	\$3,403	\$35,501	\$22,720	\$12,780
	750031 CNT PIPELN EXT	Extension #30	9,757	\$6,374	\$69,448	\$45,373	\$24,075
	750033 CNT PIPELN EXT	Extension #32	1,069	\$698	\$7,609	\$4,971	\$2,638
	750032 CNT PIPELN EXT	Extension #31	3,761	\$2,508	\$28,943	\$19,295	\$9,648
	750034 CNT PIPELN EXT	Extension #33	6,043	\$4,029	\$46,497	\$30,998	\$15,499
	750030 CNT PIPELN EXT	Extension #29	12,307	\$8,205	\$94,700	\$63,133	\$31,567
	750035 CNT PIPELN EXT	Extension #34	10,274	\$6,849	\$79,053	\$52,702	\$26,351
	750028 CNT PIPELN EXT	Extension #27	2,326	\$1,581	\$19,842	\$13,493	\$6,350
	750029 CNT PIPELN EXT	Extension #28	2,217	\$1,508	\$18,917	\$12,863	\$6,053
	750020 CNT PIPELN EXT	Extension #19	10,759	\$7,603	\$114,356	\$80,812	\$33,544
	750027 CNT PIPELN EXT	Extension #26	3,075	\$2,173	\$32,685	\$23,098	\$9,588
	750022 CNT PIPELN EXT	Extension #21	1,350	\$954	\$14,350	\$10,140	\$4,209
	750026 CNT PIPELN EXT	Extension #25	4,437	\$3,135	\$47,162	\$33,328	\$13,834
	750025 CNT PIPELN EXT	Extension #24	31,000	\$21,907	\$329,510	\$232,854	\$96,656
	750021 CNT PIPELN EXT	Extension #20	1,000	\$720	\$11,678	\$8,409	\$3,270
	750023 CNT PIPELN EXT	Extension #22	11,155	\$8,032	\$130,273	\$93,797	\$36,477
	750024 CNT PIPELN EXT	Extension #23	22,033	\$15,864	\$257,312	\$185,265	\$72,047
	750018 CNT PIPELN EXT	Extension #18	3,681	\$2,700	\$46,234	\$33,905	\$12,329
	750017 CNT PIPELN EXT	Extension #17	15,100	\$11,073	\$189,645	\$139,073	\$50,572
	750015 CNT PIPELN EXT	Extension #15	1,200	\$896	\$15,885	\$11,860	\$4,024
	750011 CNT PIPELN EXT	Extension #11	1,250	\$966	\$18,008	\$13,926	\$4,082
	750013 CNT PIPELN EXT	Extension #13	2,000	\$1,547	\$28,822	\$22,289	\$6,533
	294704 CNT PIPELNS-REC	RANCHO LAKES UNIT 3	167,141	\$25,071	\$202,229	\$30,334	\$171,895
	294403 CNT PIPELNS-REC	SDUHS DISTRICT WS & FDC INSTALL	16,612	\$1,993	\$20,099	\$2,412	\$17,687
	294402 CNT PIPELNS-REC	RSF FARMS RECYCLED RETROFIT PROJECT	18,710	\$2,245	\$22,638	\$2,717	\$19,921
	727631 CNT PIPELNS-REC	Rancho Santa Fe Lakes Unit 2, TM 5069	35,000	\$5,600	\$43,960	\$7,034	\$36,926
	727629 CNT PIPELNS-REC	Rsf Lakes - Old Course Rd	803,650	\$144,657	\$1,051,964	\$189,354	\$862,611
	727630 CNT PIPELNS-REC	Mission Ranch	100,550	\$18,099	\$131,618	\$23,691	\$107,927
	294406 CNT PIPELNS-REC	4S Nbhd #3, Units 3 & 4	336,513	\$84,128	\$440,709	\$110,177	\$330,532
	294405 CNT PIPELNS-REC	Fbrcc - Upsize Recycled Wtrline	377,892	\$113,368	\$511,660	\$153,498	\$358,162

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
727627	CNT PIPELNS-REC	4S Ranch Nbhd 3 Unit 2	62,081	\$14,899	\$84,057	\$20,174	\$63,883
727628	CNT PIPELNS-REC	Del Norte High School	7,854	\$1,885	\$10,634	\$2,552	\$8,082
294401	CNT PIPELNS-REC	Nw Quadrant (Initial Const)	5,168,500	\$1,679,762	\$7,130,483	\$2,317,407	\$4,813,076
294404	CNT PIPELNS-REC	La Costa Glen Phase 1	352,644	\$114,609	\$486,509	\$158,115	\$328,394
727624	CNT PIPELNS-REC	Dove Canyon Apartments	6,545	\$2,127	\$9,030	\$2,935	\$6,095
727625	CNT PIPELNS-REC	4S Ranch Nbhd 3 Unit 1	451,824	\$146,843	\$623,338	\$202,585	\$420,753
727626	CNT PIPELNS-REC	4S Ranch Recycled Prs #2	86,479	\$22,485	\$119,307	\$31,020	\$88,287
284401	CNT PIPELNS-REC	Crosby Estates 5073-7	74,000	\$20,720	\$107,724	\$30,163	\$77,561
284402	CNT PIPELNS-REC	4S Ranch Nbhd 2 Unit 3	353,375	\$98,945	\$514,416	\$144,037	\$370,380
274400	CNT PIPELNS-REC	La Costa Oaks S Cmno Junipero	114,519	\$42,945	\$174,449	\$65,418	\$109,031
274401	CNT PIPELNS-REC	La Costa Oaks Nbhd 3.10-3.15	125,000	\$46,875	\$190,415	\$71,406	\$119,009
274402	CNT PIPELNS-REC	Crosby @ Rsf Tm 5073-1	119,000	\$44,625	\$181,275	\$67,978	\$113,297
274403	CNT PIPELNS-REC	Crosby Tm 5073-2	508,600	\$190,725	\$774,761	\$290,535	\$484,225
274404	CNT PIPELNS-REC	Crosby Unit 3 Tm 5073-3	32,000	\$12,000	\$48,746	\$18,280	\$30,466
274405	CNT PIPELNS-REC	Crosby Tm 5073-4	69,400	\$26,025	\$105,718	\$39,644	\$66,074
274406	CNT PIPELNS-REC	Unit Rb-1 Pipeline - Sfv	278,803	\$83,641	\$424,706	\$127,412	\$297,294
274407	CNT PIPELNS-REC	Unit Ra-2 Pipeline - Sfv	59,245	\$17,773	\$90,248	\$27,075	\$63,174
727622	CNT PIPELNS-REC	4S Ranch Community Park	13,357	\$5,009	\$20,347	\$7,630	\$12,717
727623	CNT PIPELNS-REC	4S Ranch Nbhd 1 Backbone	1,384,736	\$519,276	\$2,109,396	\$791,024	\$1,318,373
440601	CNT PIPELNS-REC	Unit Ra - 1	250,587	\$100,235	\$395,482	\$158,193	\$237,289
727602	CNT PIPELNS-REC	Unit Ra-Bernardo Lks	60,189	\$19,261	\$94,992	\$30,398	\$64,595
727603	CNT PIPELNS-REC	Alav Rd 12" Rclmd Pl	152,412	\$48,772	\$240,540	\$76,973	\$163,567
727604	CNT PIPELNS-REC	Alva Rd 12" Rclmd Pl	49,924	\$15,976	\$78,792	\$25,213	\$53,578
727619	CNT PIPELNS-REC	4S Ranch Unit 8	47,000	\$18,800	\$74,177	\$29,671	\$44,506
727620	CNT PIPELNS-REC	4S Ranch Nbhd 2 #1	189,699	\$75,880	\$299,388	\$119,755	\$179,633
727621	CNT PIPELNS-REC	4S Ranch Nbhd 2 #2	289,408	\$115,763	\$456,751	\$182,700	\$274,051
430502	CNT PIPELNS-REC	Unit Rb-2	193,533	\$82,252	\$314,546	\$133,682	\$180,864
440501	CNT PIPELNS-REC	Unit Rb-2 Pipeline	380,535	\$161,727	\$618,476	\$262,852	\$355,624
440502	CNT PIPELNS-REC	Unit Rc-1 P/L	515,879	\$219,249	\$838,448	\$356,340	\$482,107
727615	CNT PIPELNS-REC	4S Planning Area 26	1,600	\$680	\$2,600	\$1,105	\$1,495
727616	CNT PIPELNS-REC	4S Planning Area 25	3,900	\$1,658	\$6,339	\$2,694	\$3,645
727617	CNT PIPELNS-REC	4S Planning Area 15	22,000	\$9,350	\$35,756	\$15,196	\$20,560
727618	CNT PIPELNS-REC	4S Planning Area 12	16,500	\$7,013	\$26,817	\$11,397	\$15,420
727614	CNT PIPELNS-REC	Christopher Hill	107,500	\$48,375	\$177,003	\$79,651	\$97,351
212204	PIPELINES	EL CAMINO REAL PIPELINE REPLACEMENT	5,076,152	\$126,904	\$5,255,218	\$131,380	\$5,123,837
212205	PIPELINES	MANCHESTER PIPELINE	3,476,154	\$86,904	\$3,598,778	\$89,969	\$3,508,809
212207	PIPELINES	STRATFORD HOA PIPELINE	94,493	\$2,362	\$97,826	\$2,446	\$95,381
212209	PIPELINES	VILLAGE VIEW RD PIPELINE REPAIR	56,870	\$1,422	\$58,876	\$1,472	\$57,404
212210	PIPELINES	GARDENVIEW CT PIPELINE REPAIR	38,402	\$960	\$39,757	\$994	\$38,763
212201	PIPELINES	STEEL MAINS PROTECTION	83,378	\$2,084	\$86,319	\$2,158	\$84,161
212202	PIPELINES	METER ANODES	8,913	\$223	\$9,228	\$231	\$8,997
212203	PIPELINES	VALVE REPLACEMENT FY2122	721,971	\$18,049	\$747,439	\$18,686	\$728,754
212206	PIPELINES	PIPELINE REPLACEMENTS FY2122	76,605	\$1,915	\$79,307	\$1,983	\$77,324
212208	PIPELINES	CIRCO DIEGUENO CT	38,777	\$969	\$40,145	\$1,004	\$39,142
202145	PIPELINES	MORNING SUN PRS	568,902	\$28,445	\$636,523	\$31,826	\$604,697
202141	PIPELINES	FY 20/21 VALVE REPLACEMENTS	1,298,166	\$64,908	\$1,452,470	\$72,623	\$1,379,846

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	202142 PIPELINES	STEEL MAINS PROTECTION	86,915	\$4,346	\$97,246	\$4,862	\$92,384
	202144 PIPELINES	METER ANODES - FY 20/21	37,675	\$1,884	\$42,153	\$2,108	\$40,045
	202143 PIPELINES	LUSARDI CANYON CORROSION PROTECTION	300,457	\$15,023	\$336,170	\$16,809	\$319,362
	297851 PIPELINES	RANCHO SANTA FE RD VALVE REPLACEMENT	76,643	\$5,748	\$85,346	\$6,401	\$78,945
	297853 PIPELINES	INDIAN HEAD CYN PL ADD'L PROTECTION WORK	47,495	\$14,248	\$52,888	\$15,866	\$37,022
	297850 PIPELINES	FY 2020 VALVE REPLACEMENTS	649,284	\$48,696	\$723,012	\$54,226	\$668,786
	297852 PIPELINES	UNIT AA PIPELINE ADD'L PROTECTION WORK	150,898	\$22,635	\$168,033	\$25,205	\$142,828
	297854 PIPELINES	STEEL MAINS PROTECTION	69,117	\$5,184	\$76,965	\$5,772	\$71,193
	297855 PIPELINES	METER ANODES	28,149	\$2,111	\$31,346	\$2,351	\$28,995
	297822 PIPELINES	OLIVENHAIN RD MAIN/VALVE RPLCMNT - EMERG	62,215	\$6,222	\$70,283	\$7,028	\$63,255
	297823 PIPELINES	CADENCIA VALVE REPLACEMENT	43,351	\$4,335	\$48,973	\$4,897	\$44,076
	297824 PIPELINES	MAIN EXT 235A - PHASE 2	215,925	\$21,592	\$243,926	\$24,393	\$219,533
	297826 PIPELINES	MANCHESTER 14" CATHODIC PROTECTION	29,887	\$2,989	\$33,763	\$3,376	\$30,386
	297821 PIPELINES	FY 2019 VALVE REPLACEMENTS	1,284,986	\$128,499	\$1,451,622	\$145,162	\$1,306,460
	297825 PIPELINES	STEEL MAINS PROTECTION	40,410	\$4,041	\$45,650	\$4,565	\$41,085
	297827 PIPELINES	METER ANODES REPLACEMENT	17,520	\$1,752	\$19,792	\$1,979	\$17,813
	707221 PIPELINES	EXT 235A PHASE I	113,705	\$14,213	\$131,804	\$16,475	\$115,328
	297812 PIPELINES	FY 2018 VALVE REPLACEMENTS	1,748,504	\$218,563	\$2,026,810	\$253,351	\$1,773,459
	297803 PIPELINES	FY 2017 VALVE REPLACEMENTS	1,190,492	\$178,574	\$1,440,413	\$216,062	\$1,224,351
	297804 PIPELINES	FY 2017 STEEL MAINS PROTECTION	36,161	\$5,424	\$43,752	\$6,563	\$37,189
	297802 PIPELINES	PALMS RESERVOIR PIPELINE	386,711	\$58,007	\$467,893	\$70,184	\$397,709
	297287 PIPELINES	HYDRANT - DORADO PLACE	20,377	\$4,890	\$24,655	\$5,917	\$18,738
	297288 PIPELINES	HYDRANT - ESFERA & CORNER PIRAGUA	25,245	\$6,059	\$30,545	\$7,331	\$23,214
	297289 PIPELINES	HYDRANT - ESFERA & CORNER CABO WAY	20,568	\$4,936	\$24,886	\$5,973	\$18,913
	297290 PIPELINES	HYDRANT - CARVALLO CT & CADENCIA ST	25,547	\$6,131	\$30,910	\$7,418	\$23,492
	297291 PIPELINES	HYDRANT - 7940 DIXIE LANE	30,238	\$7,257	\$36,586	\$8,781	\$27,805
	297292 PIPELINES	HYDRANT (3) AVENIDA LA POSTA	37,210	\$8,930	\$45,022	\$10,805	\$34,216
	297293 PIPELINES	HYDRANT - VILLAGE RUN EAST & EASTWOOD LN	24,305	\$5,833	\$29,407	\$7,058	\$22,350
	297294 PIPELINES	HYDRANT-4" BRANCH @ VILLAGE RUN E	44,172	\$10,601	\$53,445	\$12,827	\$40,618
	297295 PIPELINES	HYDRANT (4) SHANAS LANE	50,761	\$12,183	\$61,417	\$14,740	\$46,677
	297296 PIPELINES	HYDRANT (3) VANESSA CIRCLE	46,445	\$11,147	\$56,195	\$13,487	\$42,708
	297297 PIPELINES	HYDRANT - 1509 LINDA SUE LANE	32,071	\$7,697	\$38,804	\$9,313	\$29,491
	297298 PIPELINES	HYDRANT (2) - HONEYCOMB CT - ENCINITAS	24,216	\$5,812	\$29,300	\$7,032	\$22,268
	297299 PIPELINES	HYDRANT (3) COUNTRYHAVEN RD	37,970	\$9,113	\$45,941	\$11,026	\$34,915
	297300 PIPELINES	HYDRANT (2) - SPRINGDALE LANE	30,660	\$7,358	\$37,096	\$8,903	\$28,193
	297500 PIPELINES	HYDRANT (2) MISTY CIRCLE	46,622	\$11,189	\$56,409	\$13,538	\$42,871
	297600 PIPELINES	HYDRANT - 1851 AUTUM PLACE	21,209	\$5,090	\$25,661	\$6,159	\$19,503
	297700 PIPELINES	HYDRANT/INLINE - 2104 VALLEYDALE LANE	28,578	\$6,859	\$34,577	\$8,299	\$26,279
	297800 PIPELINES	HYDRANT/BRANCH - 2144 VALLEYDALE LN	23,431	\$5,623	\$28,350	\$6,804	\$21,546
	297285 PIPELINES	FY 2016 CATHODIC TEST STATIONS	5,707	\$2,283	\$6,905	\$2,762	\$4,143
	297286 PIPELINES	DEEP WELL ANODES - UNIT G SPUR	61,433	\$14,744	\$74,330	\$17,839	\$56,491
	297801 PIPELINES	FY 2016 VALVES (60) - LESS THAN \$20K EA	852,603	\$204,625	\$1,031,591	\$247,582	\$784,009
	297274 PIPELINES	Thornton Pump Station Pipeline Relo	164,676	\$28,818	\$202,282	\$35,399	\$166,883
	297279 PIPELINES	Valve 409 Village Center WSV9168	29,077	\$8,142	\$35,717	\$10,001	\$25,716
	297280 PIPELINES	Valve 20169 Colina Encantada WSVN5121	24,939	\$6,983	\$30,634	\$8,578	\$22,057
	297281 PIPELINES	Valve 2107 Mt Vista WSVF9103	21,637	\$6,058	\$26,578	\$7,442	\$19,136

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297283 PIPELINES	Valve 218 Sierra Ridge WSVF10163	20,672	\$5,788	\$25,393	\$7,110	\$18,283
	297276 PIPELINES	Deep Well Anode Unit K (EAM #WMLK51019)	10,950	\$3,066	\$13,450	\$3,766	\$9,684
	297277 PIPELINES	FY 2015 Cathodic Protection	18,860	\$8,801	\$23,167	\$10,811	\$12,356
	297278 PIPELINES	FY 2015 Meter Anode Replacements	60,114	\$28,053	\$73,842	\$34,460	\$39,382
	297284 PIPELINES	FY 2015 Valve Replacements	1,244,177	\$348,369	\$1,528,297	\$427,923	\$1,100,374
	297273 PIPELINES	20" P/L Rplc (218lf) @ RSF Lakes Unit 3	43,435	\$7,601	\$53,353	\$9,337	\$44,017
	297275 PIPELINES	14" P/L Rplc (104lf) @ 520 Vault Unit 3	285,943	\$50,040	\$351,241	\$61,467	\$289,774
	297282 PIPELINES	24" Butterfly Valve Unit Z PS WSVQ15103	22,916	\$6,416	\$28,149	\$7,882	\$20,267
	297269 PIPELINES	10" Inline Valve 322 Sierra Ridge	21,250	\$6,800	\$26,690	\$8,541	\$18,149
	297271 PIPELINES	Encinitas Village Center - 13 Hydrants	162,000	\$51,840	\$203,471	\$65,111	\$138,360
	297266 PIPELINES	FY 2014 Cathodic Replacements	52,177	\$10,435	\$65,534	\$13,107	\$52,427
	297267 PIPELINES	FY 2014 Meter Anode Replacements	76,459	\$15,292	\$96,031	\$19,206	\$76,825
	297268 PIPELINES	FY 2014 Deep Well Anode Replacements	96,237	\$19,247	\$120,873	\$24,175	\$96,698
	297272 PIPELINES	FY 2014 Valve Replacements	1,008,953	\$322,865	\$1,267,238	\$405,516	\$861,722
	297270 PIPELINES	18" Valve Replacement La Costa Town Cntr	68,000	\$21,760	\$85,408	\$27,330	\$58,077
	297264 PIPELINES	Golem Reservoir Pipeline Replacement	73,554	\$14,711	\$92,383	\$18,477	\$73,906
	297248 PIPELINES	San Elijo Jpa Connection	115,454	\$25,977	\$151,128	\$34,004	\$117,124
	297254 PIPELINES	8" Vlve Rplc-Overland/Pheasant	21,130	\$4,754	\$27,659	\$6,223	\$21,436
	297246 PIPELINES	Olivenhain 9 & 10 Svc Connect	400,480	\$90,108	\$524,222	\$117,950	\$406,272
	297253 PIPELINES	12" Branch Valve @ Gaty	25,100	\$5,648	\$32,855	\$7,392	\$25,463
	297256 PIPELINES	Valve Replacements Fy 2013	651,021	\$146,480	\$852,175	\$191,739	\$660,436
	297257 PIPELINES	Unit Aa Valves	141,131	\$31,754	\$184,738	\$41,566	\$143,172
	297258 PIPELINES	Unit Aa Pipeline	8,559,556	\$1,925,900	\$11,204,313	\$2,520,970	\$8,683,342
	297259 PIPELINES	Unit Aa PI Capital Interest	2,051,234	\$461,528	\$2,685,030	\$604,132	\$2,080,898
	297261 PIPELINES	Deep Well Anodes	13,600	\$3,060	\$17,803	\$4,006	\$13,797
	297262 PIPELINES	Cathodic Test Stations Fy 2013	33,634	\$7,568	\$44,027	\$9,906	\$34,121
	297263 PIPELINES	Meter Anodes Fy 2013	28,491	\$6,411	\$37,295	\$8,391	\$28,903
	297245 PIPELINES	Elfin Forest 12" Looped P/L	566,941	\$127,562	\$742,115	\$166,976	\$575,140
	297247 PIPELINES	Interconnect W/San Dieguito	183,499	\$41,287	\$240,197	\$54,044	\$186,153
	297249 PIPELINES	Elfin Forest 12" P/L Rplcmnt	354,427	\$79,746	\$463,939	\$104,386	\$359,553
	297250 PIPELINES	Harmony Grv-Via Ambiente P/L	638,141	\$143,582	\$835,315	\$187,946	\$647,369
	297251 PIPELINES	Valve/Inline Valve Replacement	71,965	\$16,192	\$94,201	\$21,195	\$73,006
	297255 PIPELINES	Valve Rplc-Esmt E Stonebridge	25,660	\$5,774	\$33,589	\$7,557	\$26,031
	297252 PIPELINES	6611 Lago Corte Valve Rplcmnt	20,470	\$4,606	\$26,795	\$6,029	\$20,766
	297260 PIPELINES	Unit Z Vfd Repairs	23,386	\$5,262	\$30,612	\$6,888	\$23,724
	297235 PIPELINES	Hydrant Valve @ 3315 Cabo Ct	20,013	\$5,003	\$26,209	\$6,552	\$19,657
	297240 PIPELINES	Hydrant Valve-Romeria/Garbosa	39,002	\$9,750	\$51,078	\$12,770	\$38,309
	297241 PIPELINES	Hydrant Valve @ 3304 Azahar	33,851	\$8,463	\$44,333	\$11,083	\$33,250
	297242 PIPELINES	Hydrant Valve @ 7708 Morada	28,376	\$7,094	\$37,163	\$9,291	\$27,872
	297227 PIPELINES	Fy12 Cathodic Test Stations	102,201	\$25,550	\$133,846	\$33,461	\$100,384
	297228 PIPELINES	Fy12 Meter Anodes	102,764	\$25,691	\$134,584	\$33,646	\$100,938
	297244 PIPELINES	Fy12 Valve Replacements	513,394	\$128,349	\$672,359	\$168,090	\$504,269
	297229 PIPELINES	Rectifier #9 Deep Well Anode	16,790	\$4,197	\$21,988	\$5,497	\$16,491
	297230 PIPELINES	Mt Israel Deep Well Anode	17,662	\$4,416	\$23,131	\$5,783	\$17,348
	297231 PIPELINES	Rectifier #1 Deep Well Anode	81,547	\$20,387	\$106,796	\$26,699	\$80,097
	297232 PIPELINES	Rectifier #29 Deep Well Anode	56,916	\$14,229	\$74,539	\$18,635	\$55,904

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	297233 PIPELINES	Fy12 Deep Well Anodes	21,581	\$5,395	\$28,263	\$7,066	\$21,197
	297234 PIPELINES	Mt Israel Pipeline	599,953	\$149,988	\$785,719	\$196,430	\$589,290
	297243 PIPELINES	10" Valve-Paint Mtn Air N Vac	20,928	\$5,232	\$27,407	\$6,852	\$20,556
	297236 PIPELINES	Hydrant Valve @ Brava Del Rey	34,446	\$8,611	\$45,111	\$11,278	\$33,833
	297237 PIPELINES	Hydrant Valve @ Calle Major	40,641	\$10,160	\$53,225	\$13,306	\$39,918
	297238 PIPELINES	14" Inline Gate Valve-CI Major	68,376	\$17,094	\$89,548	\$22,387	\$67,161
	297239 PIPELINES	Rw Valve @ Dove Cyn/Lone Quail	21,536	\$5,384	\$28,204	\$7,051	\$21,153
	297213 PIPELINES	Blue Heron Pipeline Rplcmnt	166,588	\$45,812	\$223,558	\$61,478	\$162,079
	297211 PIPELINES	Meter Anode Replacement	86,228	\$23,713	\$115,716	\$31,822	\$83,894
	297212 PIPELINES	Bldg J Potable Line	87,265	\$23,998	\$117,108	\$32,205	\$84,903
	297226 PIPELINES	Fy10/11 Valve Replacements	310,809	\$85,472	\$417,099	\$114,702	\$302,397
	297210 PIPELINES	Deep Well Anodes	30,115	\$8,282	\$40,414	\$11,114	\$29,300
	297214 PIPELINES	Borrelli'S Center P/L Rplcmnt	54,506	\$14,989	\$73,146	\$20,115	\$53,031
	297215 PIPELINES	Hydrant Valve - Saragosa	17,392	\$4,783	\$23,340	\$6,418	\$16,921
	297216 PIPELINES	Valve - 3503 Cmnto Sierra	16,297	\$4,482	\$21,870	\$6,014	\$15,856
	297217 PIPELINES	Branch Valve & 8"X6" Tee	28,182	\$7,750	\$37,820	\$10,400	\$27,419
	297218 PIPELINES	Hydrant Valve - Linda Sue Lane	80,850	\$22,234	\$108,499	\$29,837	\$78,662
	297219 PIPELINES	In-Line Valve	14,892	\$4,095	\$19,985	\$5,496	\$14,489
	297220 PIPELINES	10" Branch Valve-Cerro/Taegon	20,383	\$5,605	\$27,354	\$7,522	\$19,831
	297221 PIPELINES	Takeoff Valve	17,392	\$4,783	\$23,340	\$6,418	\$16,921
	297222 PIPELINES	Hydrant Valve - 408 Cerro	20,146	\$5,540	\$27,036	\$7,435	\$19,601
	297223 PIPELINES	Detector Check Valve	20,539	\$5,648	\$27,563	\$7,580	\$19,983
	297224 PIPELINES	Hydrant Valve - 172 N El Cmno	18,668	\$5,134	\$25,052	\$6,889	\$18,163
	297225 PIPELINES	8" Occlude Valve	60,320	\$16,588	\$80,948	\$22,261	\$58,687
	297209 PIPELINES	Valve Replacements	190,426	\$57,128	\$257,834	\$77,350	\$180,484
	297208 PIPELINES	Rectifier #24 Harris Rnch Rplc	40,847	\$12,254	\$55,306	\$16,592	\$38,714
	297207 PIPELINES	4S-1 Reservoir Inlet Pipeline	2,819,199	\$676,608	\$3,817,151	\$916,116	\$2,901,035
	297203 PIPELINES	Valve Replacements	290,542	\$94,426	\$400,832	\$130,271	\$270,562
	297201 PIPELINES	Main 24-Fortuna Ranch Rd Rplc	2,712,511	\$881,566	\$3,742,191	\$1,216,212	\$2,525,979
	297204 PIPELINES	Rectifier 8 Anode Replacement	16,081	\$8,362	\$22,185	\$11,536	\$10,649
	297205 PIPELINES	Rectifier 21 Anode Replacement	16,142	\$8,394	\$22,269	\$11,580	\$10,689
	297206 PIPELINES	Lady'S Secret Anode Rplcmnt	17,905	\$9,310	\$24,701	\$12,845	\$11,857
	297202 PIPELINES	Rancho Cielo 24" Ball Valve	144,879	\$47,086	\$199,876	\$64,960	\$134,916
	287201 PIPELINES	Valve Replacements	127,601	\$44,660	\$185,752	\$65,013	\$120,739
	287202 PIPELINES	Cathodic/Corrosion Rplcmnt Pgm	41,546	\$14,541	\$60,480	\$21,168	\$39,312
	277204 PIPELINES	Manchester Rd P/L Replacement	1,163,946	\$349,184	\$1,773,063	\$531,919	\$1,241,144
	277205 PIPELINES	Agua Dulce P/L Replacement	244,233	\$73,270	\$372,045	\$111,613	\$260,431
	277202 PIPELINES	Valve Replacement Program	175,062	\$65,648	\$266,675	\$100,003	\$166,672
	277203 PIPELINES	Cathodic Test Station Rpr/Rplc	12,525	\$4,697	\$19,080	\$7,155	\$11,925
	277201 PIPELINES	Unit V2 Pipeline	161,884	\$48,565	\$246,602	\$73,981	\$172,621
	267201 PIPELINES	Shelley Project	210,931	\$67,498	\$332,897	\$106,527	\$226,370
	267204 PIPELINES	Rsf Pipeline Relo	528,499	\$169,120	\$834,090	\$266,909	\$567,181
	267208 PIPELINES	Cathodic Test Stat	17,858	\$7,143	\$28,184	\$11,274	\$16,910
	267203 PIPELINES	Unit G-1 Pipeline	4,316,728	\$1,381,353	\$6,812,770	\$2,180,086	\$4,632,684
	267207 PIPELINES	Valve Rplcmnt Pgm	168,159	\$67,263	\$265,392	\$106,157	\$159,235
	267211 PIPELINES	Raw Water Pipeline	70,028	\$22,409	\$110,520	\$35,366	\$75,154

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Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	267202 PIPELINES	Denk Inflow Pipeline	2,351,304	\$752,417	\$3,710,887	\$1,187,484	\$2,523,403
	267205 PIPELINES	Denk Outflow P/L	643,643	\$205,966	\$1,015,813	\$325,060	\$690,753
	267209 PIPELINES	Unit S-1 Valve	66,709	\$26,684	\$105,283	\$42,113	\$63,170
	267206 PIPELINES	Unit V3 & V4 P/L	598,079	\$191,385	\$943,904	\$302,049	\$641,855
	267210 PIPELINES	Unit W-2 Pipeline	23,990	\$7,677	\$37,861	\$12,116	\$25,746
	267212 PIPELINES	Unit X P/L Construct	1,654,350	\$529,392	\$2,610,937	\$835,500	\$1,775,437
	727201 PIPELINES	Ext 153 Capacity	820,040	\$468,594	\$1,294,208	\$739,547	\$554,661
	247202 PIPELINES	Vons Center P/L Rplc	33,584	\$15,113	\$55,296	\$24,883	\$30,413
	247203 PIPELINES	Looped P/L Off Heers	78,029	\$35,113	\$128,477	\$57,815	\$70,663
	247204 PIPELINES	48 P/L East Inspect	22,202	\$11,418	\$36,557	\$18,801	\$17,756
	247205 PIPELINES	W-2 Extension	155,209	\$69,844	\$255,557	\$115,001	\$140,556
	247201 PIPELINES	San Dieguito Rd P/L	278,598	\$125,369	\$458,722	\$206,425	\$252,297
	237205 PIPELINES	Woodwind P/L Rplcmnt	267,163	\$126,902	\$478,462	\$227,270	\$251,193
	237206 PIPELINES	Gaty Intertie & P/L	151,268	\$71,852	\$270,905	\$128,680	\$142,225
	237209 PIPELINES	Pipelines East	3,548,517	\$1,926,338	\$6,355,041	\$3,449,879	\$2,905,162
	237210 PIPELINES	Pipelines East	3,559,452	\$1,352,592	\$6,374,623	\$2,422,357	\$3,952,266
	237212 PIPELINES	Pipelines West	4,221,696	\$2,291,778	\$7,560,637	\$4,104,346	\$3,456,291
	237213 PIPELINES	Pipelines West	4,221,696	\$1,604,244	\$7,560,637	\$2,873,042	\$4,687,595
	237207 PIPELINES	Unit W-1 Pipeline	994,681	\$472,474	\$1,781,375	\$846,153	\$935,222
	237214 PIPELINES	Unit W-2 Pipeline	813,231	\$386,285	\$1,456,416	\$691,797	\$764,618
	237215 PIPELINES	Unit V-5 Pipeline	198,716	\$94,390	\$355,881	\$169,043	\$186,837
	227204 PIPELINES	Manchester P/L Rplc	124,055	\$62,027	\$226,041	\$113,021	\$113,021
	217202 PIPELINES	Rsf Rd Widening	56,020	\$29,411	\$104,559	\$54,894	\$49,666
	217203 PIPELINES	Rsf P/L Phase I	371,288	\$194,926	\$692,988	\$363,819	\$329,169
	217201 PIPELINES	Camino Del Norte P/L	82,681	\$43,407	\$154,319	\$81,017	\$73,301
	217618 PIPELINES	V-1 Pipeline	166,412	\$87,366	\$310,598	\$163,064	\$147,534
	720153 PIPELINES	Unit S Pipeline	1,321,525	\$825,953	\$2,675,089	\$1,671,930	\$1,003,158
	720141 PIPELINES	Pacific P/L - Valves	12,213	\$7,938	\$25,118	\$16,327	\$8,791
	720140 PIPELINES	Manchester Road '95	18,937	\$12,783	\$39,141	\$26,420	\$12,721
	720134 PIPELINES	#7A 24" Main	1,662,910	\$1,164,037	\$3,433,427	\$2,403,399	\$1,030,028
	720136 PIPELINES	#8/9 Main Ext 17/30	382,499	\$267,750	\$789,751	\$552,825	\$236,925
	720135 PIPELINES	93/94 Mains	75,248	\$52,674	\$155,366	\$108,756	\$46,610
	720131 PIPELINES	Stratford Estates	52,942	\$38,383	\$110,239	\$79,923	\$30,316
	720132 PIPELINES	Fortuna Stratford	1,438,498	\$1,042,911	\$2,995,349	\$2,171,628	\$823,721
	720133 PIPELINES	Mains (92-93)	17,107	\$12,403	\$35,622	\$25,826	\$9,796
	720128 PIPELINES	Elfin Forest Rd #6	4,720	\$3,540	\$10,030	\$7,522	\$2,507
	720130 PIPELINES	Mains 92	31,769	\$23,827	\$67,498	\$50,624	\$16,875
	720121 PIPELINES	Mains-Rsf Road	64,217	\$49,768	\$142,231	\$110,229	\$32,002
	720122 PIPELINES	Mains-Olivenhn Road	26,896	\$20,844	\$59,570	\$46,167	\$13,403
	720126 PIPELINES	Rsf Rd P/L-Resurface	51,969	\$40,276	\$115,104	\$89,205	\$25,898
	720123 PIPELINES	Main-Elfin Forest Rd	406,679	\$315,177	\$900,730	\$698,066	\$202,664
	720124 PIPELINES	Mains-Omwd Ext. 101A	73,842	\$57,228	\$163,548	\$126,750	\$36,798
	720125 PIPELINES	Mains (91)	24,284	\$18,820	\$53,785	\$41,684	\$12,102
	720127 PIPELINES	Del Dios Hwy Crossng	54,221	\$42,022	\$120,092	\$93,071	\$27,021
	720103 PIPELINES	#4 Rncho S.F. Road	683,590	\$546,872	\$1,538,182	\$1,230,546	\$307,636
	720105 PIPELINES	#14A Manchester Road	15,544	\$12,435	\$34,976	\$27,981	\$6,995

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
	720109 PIPELINES	#7C 24" Main	10,142	\$8,113	\$22,820	\$18,256	\$4,564
	720114 PIPELINES	#4 Rsf Rd P/L Over-	273,061	\$218,449	\$614,430	\$491,544	\$122,886
	720120 PIPELINES	#5A Olivenhain Road	122,992	\$98,393	\$276,750	\$221,400	\$55,350
	720104 PIPELINES	#6 Elfin Forest Road	249,476	\$199,581	\$561,360	\$449,088	\$112,272
	720110 PIPELINES	Unit R Pipeline	158,867	\$127,093	\$357,474	\$285,979	\$71,495
	720112 PIPELINES	89-90 Mains- General	20,183	\$16,147	\$45,415	\$36,332	\$9,083
	720116 PIPELINES	Unit Q P/L Ext.111	86,199	\$68,959	\$193,960	\$155,168	\$38,792
	720118 PIPELINES	Unit S Pipeline	25,883	\$20,706	\$58,240	\$46,592	\$11,648
	720115 PIPELINES	Unit P - P/L	11,476	\$9,180	\$25,822	\$20,657	\$5,164
	720117 PIPELINES	Del Dios Hiway Cross	145,701	\$116,561	\$327,850	\$262,280	\$65,570
	720098 PIPELINES	Bumann P/L Sta.	81,223	\$67,009	\$189,227	\$156,112	\$33,115
	720096 PIPELINES	Conn #3 Construction	152,000	\$125,400	\$354,120	\$292,149	\$61,971
	720097 PIPELINES	Unit R P/L	1,366,642	\$1,127,480	\$3,183,918	\$2,626,733	\$557,186
	720099 PIPELINES	Unit P P/L	146,391	\$120,772	\$341,052	\$281,368	\$59,684
	720092 PIPELINES	Repl Anode Bed 30"PI	66,221	\$56,287	\$154,783	\$131,565	\$23,217
	720094 PIPELINES	Part Ext. 115A	23,836	\$20,261	\$55,715	\$47,357	\$8,357
	720095 PIPELINES	Mains 1987-88	12,424	\$10,560	\$29,039	\$24,684	\$4,356
	720091 PIPELINES	Pressure Reducing St	37,014	\$32,387	\$91,205	\$79,805	\$11,401
	720086 PIPELINES	Major P/L Replace/Ad	66,466	\$59,819	\$164,435	\$147,991	\$16,443
	720088 PIPELINES	Mains / 1985/86	18,339	\$16,505	\$45,371	\$40,834	\$4,537
	720084 PIPELINES	Major P/L Additions	221,475	\$204,864	\$548,479	\$507,343	\$41,136
	720085 PIPELINES	Major P/L Additions	246,775	\$228,267	\$611,134	\$565,299	\$45,835
	720083 PIPELINES	Pressure Reducing St	34,362	\$31,785	\$85,097	\$78,715	\$6,382
	720078 PIPELINES	S D River X-Ing	120,342	\$117,333	\$320,554	\$312,540	\$8,014
	720013 PIPELINES	Unit "H"	310,287	\$194,447	\$1,892,112	\$1,185,724	\$706,389
	720002 PIPELINES	Unit "J"	85,352	\$54,626	\$569,945	\$364,765	\$205,180
	720003 PIPELINES	Harmony Grove	40,867	\$26,155	\$272,891	\$174,651	\$98,241
	720001 PIPELINES	Unit "G"	960,243	\$842,319	\$7,388,697	\$6,481,313	\$907,384
	720010 PIPELINES	Trans Main To N Area	55,618	\$37,820	\$474,517	\$322,672	\$151,846
	720009 PIPELINES	La Costa Off Site	58,206	\$40,356	\$568,516	\$394,171	\$174,345
	297856 PIPELINES-REC	LUSARDI CREEK EXT 153	333,537	\$25,015	\$371,412	\$27,856	\$343,556
	297857 PIPELINES-REC	EXT 153A - SURF CUP	737,362	\$55,302	\$821,091	\$61,582	\$759,510
	707220 PIPELINES-REC	WANDERING ROAD RECYCLED EXTENSION	213,720	\$26,715	\$247,738	\$30,967	\$216,771
	707222 PIPELINES-REC	AVENIDA LA POSTA	88,432	\$11,054	\$102,507	\$12,813	\$89,694
	707208 PIPELINES-REC	VP PL SECTION B - WIEGAND RESERVOIR	354,348	\$53,152	\$428,737	\$64,310	\$364,426
	707209 PIPELINES-REC	VP PIPELINE SECTION D - EASEMENT	1,362,153	\$204,323	\$1,648,111	\$247,217	\$1,400,895
	707210 PIPELINES-REC	VP PL SECTION E - MOUNTAIN VISTA	2,306,054	\$345,908	\$2,790,166	\$418,525	\$2,371,641
	707211 PIPELINES-REC	VP PL SECTION F - FLORA VISTA ELEMENTARY	914,842	\$137,226	\$1,106,896	\$166,034	\$940,861
	707212 PIPELINES-REC	VP PL SECTION G-VILLAGE PKWY/GLEN ARBOR	1,506,511	\$225,977	\$1,822,774	\$273,416	\$1,549,358
	707213 PIPELINES-REC	VP PL SECTION H - EAST MOUNTAIN VISTA	789,283	\$118,392	\$954,978	\$143,247	\$811,731
	707214 PIPELINES-REC	VP PL SECTION I - PARKDALE ELEMETARY	1,015,385	\$152,308	\$1,228,546	\$184,282	\$1,044,264
	707215 PIPELINES-REC	VP PL SECTION K - COUNTRYHAVEN	1,289,753	\$193,463	\$1,560,512	\$234,077	\$1,326,435
	707216 PIPELINES-REC	VP PL SECTION L - GOLF COURSE	845,749	\$126,862	\$1,023,298	\$153,495	\$869,803
	707217 PIPELINES-REC	VP PL SECTION M - SHADY TREE	132,196	\$19,829	\$159,948	\$23,992	\$135,956
	707218 PIPELINES-REC	RSF FARMS HOA RECYCLED EXTENSION	22,800	\$3,420	\$27,586	\$4,138	\$23,448
	727207 PIPELINES-REC	Ext 252 Mission Estancia	191,166	\$38,233	\$240,104	\$48,021	\$192,083

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC Depreciation	Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
284304	PIPELINES-REC	Dist Office Irrig Lateral	65,992	\$18,148	\$88,560	\$24,354	\$64,206
727206	PIPELINES-REC	Campania Ave P/L Replacement	270,795	\$74,469	\$363,402	\$99,935	\$263,466
294303	PIPELINES-REC	Sd Recycled Connection #2	1,168,585	\$280,460	\$1,582,245	\$379,739	\$1,202,506
294301	PIPELINES-REC	Rancho Santa Fe Rd Rcyld P/L	463,370	\$120,476	\$639,267	\$166,209	\$473,057
294302	PIPELINES-REC	Nw Quadrant (Initial Const)	757,088	\$246,054	\$1,044,481	\$339,456	\$705,025
274301	PIPELINES-REC	Unit Rb-1 Pipeline - Sfv	79,954	\$23,986	\$121,796	\$36,539	\$85,257
274302	PIPELINES-REC	Unit Ra-2 Pipeline - Sfv	265,562	\$79,669	\$404,536	\$121,361	\$283,175
727202	PIPELINES-REC	Unit Ra-Bernardo Lks	183,484	\$58,715	\$289,579	\$92,665	\$196,913
727203	PIPELINES-REC	Unit Ra - 4S Ranch	341,383	\$109,243	\$538,779	\$172,409	\$366,370
727204	PIPELINES-REC	Alva Rd - 12" Rclmd	464,619	\$148,678	\$733,274	\$234,648	\$498,626
727205	PIPELINES-REC	Alva Rd 12" Rclmd PI	152,192	\$48,701	\$240,193	\$76,862	\$163,331
430501	PIPELINES-REC	Unit Ra-1	366,482	\$155,755	\$595,636	\$253,145	\$342,490
			244,823,552	89,709,734	423,469,752	201,386,136	222,083,616

APPENDIX D:
Engineering News-Record's Los Angeles -
City Construction Cost Index

Engineering News-Record City Cost Index (CCI), Los Angeles Area

Year	Construction Cost Average	CCI	Year	Construction Cost Average	CCI	Year	Construction Cost Average	CCI
1908	97	139.06	1946	346	38.9845	1984	5259.93	2.56442
1909	91	148.23	1947	413	32.6602	1985	5446.69	2.47649
1910	96	140.51	1948	461	29.2595	1986	5452.2	2.47398
1911	93	145.04	1949	477	28.2781	1987	5474.14	2.46407
1912	91	148.23	1950	510	26.4483	1988	5770.84	2.33738
1913	100	134.89	1951	543	24.841	1989	5789.77	2.32974
1914	89	151.56	1952	569	23.7059	1990	5994.55	2.25015
1915	93	145.04	1953	600	22.4811	1991	6090.12	2.21484
1916	130	103.76	1954	628	21.4787	1992	6348.55	2.12468
1917	181	74.52	1955	660	20.4373	1993	6477.84	2.08228
1918	189	71.37	1956	692	19.4923	1994	6532.95	2.06471
1919	198	68.12	1957	724	18.6307	1995	6526.22	2.06684
1920	251	53.74	1958	759	17.7716	1996	6558.44	2.05669
1921	202	66.78	1959	797	16.9243	1997	6663.55	2.02424
1922	174	77.52	1960	824	16.3697	1998	6851.95	1.96859
1923	214	63.03	1961	847	15.9252	1999	6825.97	1.97608
1924	215	62.74	1962	872	15.4686	2000	7068.04	1.9084
1925	207	65.16	1963	901	14.9708	2001	7226.92	1.86645
1926	208	64.85	1964	936	14.411	2002	7402.75	1.82211
1927	206	65.48	1965	971	13.8915	2003	7531.77	1.7909
1928	207	65.16	1966	1019	13.2371	2004	8192.14	1.64654
1929	207	65.16	1967	1074	12.5593	2005	8299.28	1.62528
1930	203	66.45	1968	1155	11.6785	2006	8546.72	1.57823
1931	181	74.52	1969	1269	10.6294	2007	8854.77	1.52332
1932	157	85.91	1970	1381	9.76731	2008	9265.94	1.45572
1933	170	79.35	1971	1581	8.53172	2009	9777.19	1.3796
1934	198	68.12	1972	1753	7.69461	2010	9962.19	1.35398
1935	196	68.82	1973	1895	7.11802	2011	10051.3	1.34198
1936	206	65.48	1974	2020	6.67755	2012	10299.55	1.30963
1937	235	57.40	1975	2212	6.09794	2013	10304.68	1.30898
1938	236	57.16	1976	2401	5.61793	2014	10739.43	1.25599
1939	236	57.16	1977	2576	5.23628	2015	10981.02	1.22836
1940	242	55.74	1978	3421.25	3.94261	2016	11148.28	1.20993
1941	258	52.28	1979	3638.81	3.70688	2017	11636.49	1.15917
1942	276	48.87	1980	4102.37	3.28801	2018	11940.25	1.12968
1943	290	46.51	1981	4530.96	2.977	2019	12113.16	1.11355
1944	299	45.11	1982	4934.14	2.73374	2020	12055.68	1.11886
1945	308	43.79	1983	5063.89	2.66369	2021	13029.04	1.03528
						2022	13488.65	1

Exhibit B

**NOTICE OF EXEMPTION
FOR WATER CAPACITY FEES**

August 16, 2023

To:
Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

From:
Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024

County Clerk
County of San Diego
1600 Pacific Highway, Suite 260
San Diego, CA 92010

PROJECT TITLE: The Olivenhain Municipal Water District has established Water Capacity Fees within Zones of Benefit effective October 16, 2023.

PROJECT APPLICANT: Olivenhain Municipal Water District.

PROJECT LOCATION: The Olivenhain Municipal Water District encompasses approximately 31,000 acres in the northwestern portion of San Diego County. The District was originally incorporated on April 9, 1959, for the purpose of developing an adequate water supply to landowners and residents of the District. The District currently serves the community of Olivenhain, portions of Leucadia, Cardiff, Solana Beach, Rancho Santa Fe, Encinitas, Carlsbad, San Diego, San Marcos, and neighboring communities.

DESCRIPTION OF THE NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The Project is to increase water capacity fees within Zones of Benefit based on the 2023 Water Capacity Fee Study for new customers and developments within the areas already served by the Olivenhain Municipal Water District. The purpose is the raising of essential funds to meet anticipated capital expenses in order to maintain existing water service levels within existing service areas. The fees will not be used to expand existing levels of water service.

NAME OF PUBLIC AGENCY APPROVING THE PROJECT:
Olivenhain Municipal Water District.

NAME OF PUBLIC AGENCY CARRYING OUT THE PROJECT:
Olivenhain Municipal Water District.

EXEMPT STATUS:

1. The fee increase is not a "Project" as defined by Guidelines Section 15378(b)(4).
2. The Project is statutorily exempt in accordance with Guidelines Sections 15273(a)(1), 15273(a)(3), and 15273 (a)(4).
3. The Project will not have any significant effect on the environment, Guideline Section 15061(b)(3).

REASONS WHY PROJECT IS EXEMPT:

1. No Project. Government fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant impact on the environment are considered not to be a project under CEQA definitions. The Project is the revision of existing capacity fees, which will not result in any physical change in the environment. The revising of water capacity fees within Zones of Benefit is not being considered in conjunction with the approval or construction of any specific project, will not authorize or approve any project, and will be used solely to maintain service within the existing water service areas.
2. Exemption. CEQA statutorily exempts the establishment, modification, structuring, restructuring, or approval of rates, tolls, fares, or other charges by public agencies which public agencies find are for the purpose of: meeting operating expenses including employee wage rates and fringe benefits; meeting financial reserve needs and requirements; and obtaining funds for capital projects necessary to maintain service within existing service areas. The revised fees will be used solely for meeting operating expenses, including employee wage rates and fringe benefits; meeting financial reserve needs and requirements; and to obtain funds for capital projects necessary to maintain existing water service within existing service areas.
3. No Significant Effect. A project is exempt from CEQA if the activity is covered by the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. The activity of increasing the water capacity fees will not have any significant effect on the environment. The fees have been set to maintain service within the existing water service areas and do not expand the District's system. No project is being authorized or approved as part of the water capacity fee revisions.

By:

Kimberly A. Thorner, General Manager
Olivenhain Municipal Water District

Signed by Lead Agency

CONTACT PERSON:

Rainy Selamat
Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024

(760) 753-6466 or rselamat@olivenhain.com

Date Received for Filing by the County Clerk: _____, 2023

Memo

Date: August 16, 2023
To: Olivenhain Municipal Water District Board of Directors
From: Kimberly A. Thorner, General Manager
Subject: **CONSIDER FEASIBILITY OF POTENTIAL VIEWER ENGAGEMENT OF LIVE PUBLIC STREAMING OF OMWD PUBLIC MEETINGS AND PRESENT FINDINGS FROM THE SURVEY OF OTHER LOCAL PUBLIC AGENCIES (OBJECTIVE 56)**

Purpose

The purpose of this agenda item is to discuss the feasibility of potential viewer engagement of live streaming of OMWD public meetings along with presenting the findings from the survey of other local agencies regarding their live streaming of public meetings. This is an Annual Objective for 2023.

Recommendation

It is the board's discretion as to whether OMWD moves forward with live streaming public meetings or keeps the current practice of in-person meetings. Any direction today would be implemented at a future board meeting.

Alternative(s)

Alternative 1 – The board could opt to keep the current practice of in-person meetings that are recorded. The public has the ability to request the audio within the 30-day retention window. This alternative allows for in-person or emailed public comments.

Alternative 2 – The board could opt to utilize existing Zoom capabilities to allow teleconference or video viewing of the board meetings noting that the Zoom is solely for convenience to the public. Should a technological interruption occur with respect to the Zoom or call-in, OMWD will not suspend the in-person meeting. This alternative allows for remote public comment via Zoom or could just be utilized for public viewing once the board established its desires.

Alternative 3 – The board could opt to implement streaming video services to livestream the board meetings to the OMWD website while archiving the recordings for on-demand viewing. This alternative would only allow for public viewing, but not public comment.

Alternative 4 – The board could proceed with a different alternative.

Background

Pursuant to the State of California Executive Order N-35-20, and AB 361 thereafter, OMWD temporarily took actions to mitigate the COVID-19 pandemic by holding Board Meetings electronically or by teleconference. This allowed meeting participants to attend and participate in board meetings in-person or via teleconference. After the conclusion of AB 361 and the COVID-19 pandemic, OMWD went back to in-person meetings and ended Zoom teleconferencing. After discussing the draft annual objectives for 2023, the board requested to investigate cost, feasibility, and potential viewer engagement of live public streaming of OMWD public meetings.

Fiscal Impact

There would be little to no cost to implement alternatives one or two. Alternative three would include a live webcast of the board meeting to the website, an on-demand video service to the OMWD website, upgraded audio-visual production equipment, an encoding computer, and technical support for approximately \$1,300 per month or \$15,600 per year. The total cost of Alternative 3 for startup and the first year is approximately \$17,600-\$18,100.

Discussion

A survey from neighboring water agencies showed that majority of the agencies offered a virtual option of audio or video for the public's convenience. The agencies that tracked the number of viewers during their live-streamed meetings averaged approximately three viewers per meeting. Currently, as part of OMWD's Records Retention Schedule, recordings of the board meeting are archived and can be requested by the public for thirty

days after a board meeting. On average, OMWD board meeting recordings are requested a handful of times each year. Staff will be available to answer any questions.

Attachments:

- *Survey Results*

Agency Name	Still offer Virtual Option?	Board Meeting Livestream - Audio or Video? Yes – 16, No - 3	Board Meeting Recordings Posted on Website? Yes – 8, No - 11	Number of Viewers (if possible)
Olivenhain MWD	No	No	No	N/A
San Dieguito WD	Yes	Yes – Granicus and You Tube	Yes	
Elsinore Valley MWD	Yes *	Yes – Zoom	No	1 at most
Helix WD	Yes	Yes – Zoom	No	1 at most
Rincon MWD	Yes – via phone	Yes – phone only	No	N/A
Rancho Water	Yes	Yes – Zoom	Audio only posted on the website	Little to no public viewers
Ramona MWD	Yes	Yes – Zoom Keeping livestream after Covid.	No	2-6
Padre Dam	Yes *	Livestream and recordings are available via Zoom. We need to upgrade our board room AV and will be getting input from our (new) Board in the next few months on any improvements/changes they want to	Not yet but working towards it. We do share our Board and Committee meeting video recordings with the City of Santee who airs them for 30 days on SanteeTV. After 30 days they are available on demand to the public.	N/A
Leucadia WWD	No	No	No	N/A
Otay WD	Yes	Yes – Both Audio and Video	Yes – Only Audio	Available if requested
Carlsbad MWD	Yes	Yes – video from the website	Yes – current and past meetings	
Vallecitos WD	Yes *	Yes – Video	Yes – You Tube	Approximately 0 – 60 depending on agenda topics
Santa Fe Irrigation District	Yes *	Yes - Zoom	No	2 at the most (depending on what's on the agenda)
Yuima MWD	No	No	No	N/A

Vista Irrigation District	Yes	Yes	No	N/A
Rainbow MWD	Yes	Yes – Video, You Tube. Keeping livestream after Covid.	No, but we do have a YouTube channel that we livestream and keeps the historical videos saved.	2-10 depending on agenda.
VCMWD	Yes	Video is livestreamed (YouTube) viewable on our homepage starting at 2pm for Board Meetings, and posted for a week. Keeping livestream after Covid.	Yes	N/A
Sweetwater Authority	Yes *	Yes – Zoom Keeping livestream after Covid.	Yes - Vimeo	N/A
South Bay Irrigation District	Yes *	Yes – Zoom	Yes	N/A

* = Agencies have indicated that the virtual option is for convenience to the public and if a technical issue occurs, the meeting will not be stopped.

Memo

A

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS
PRESIDENT

Any report will be oral at the time of the Board meeting.

Memo

B

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS
GENERAL MANAGER

Any written report will be attached; any oral report will be provided at the time of the Board Meeting.

August 16, 2023

Board of Directors
Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024

The following are brief highlights of the District's departmental operations for the month of
July 2023:

Operations & Maintenance	July 2023	June 2023
David C. McCollom Water Treatment Plant (DCMWTP) Total Production	698 million gallons	599.5 million gallons
DCMWTP Average Daily Production	22.5 million gallons	20 million gallons
DCMWTP Peak Day Production	26.8 million gallons	23.7 million gallons
Source Water Blend (% State Project Water)	51	40
Total Deliveries to Vallecitos Water District	182.36 acre feet 59.4 million gallons	298.40 acre feet 97.2 million gallons
4S and Rancho Cielo Sewer Systems Total Inflow	38.47 million gallons	37.16 million gallons
4S and Rancho Cielo Sewer Systems Average Daily Inflow	1,241,042 gallons	1,288,726 gallons
4S and Rancho Cielo Sewer Systems Peak Day Inflow	1,303,444 gallons	1,316,482 gallons
4S and Rancho Cielo Sewer Systems Low Day Inflow	1,142,523 gallons	1,143,868 gallons
4S Water Reclamation Facility (4SWRF) Average Daily Production	1,098,528 gallons	869,263 gallons
4SWRF Peak Day Production	1,392,542 gallons	1,213,696 gallons
4SWRF Total to Recycled Water Distribution System	34.05 million gallons	26.07 million gallons
4S Recycled Water Storage Pond Volume	155 acre feet	232 acre feet
Repaired Potable Water Main Leak(s)	0	1
Repaired Potable Water Service Lateral Assembly Leak(s)	3	3
Repaired Recycled Water Main Leak(s)	0	0
Repaired Recycled Water Service Lateral Leak(s)	0	0
Repaired Hit Fire Hydrant Lateral Assembly Leak(s)	2	1
Replaced Valve(s) Monthly Total	1	8
Replaced Valve(s) Calendar Year to Date	52	51
Recycled Water Use Site Inspections & Visits	15	31
Recycled Water Use Site Cross Connection Tests	4	8
Cross Connection Site Surveys	1	1
Backflow Inspections & Testing (New)	7	5
IT Help Requests	22	24
Customer Services	July 2023	June 2023
Customer Calls and Inquiries	2,134	1,872
Total Monthly Bills Issued	22,966	22,952
Service Orders	723	656
New Potable Meters	4	1
New Fire Meters	0	0
New Recycled Water Meters	0	0

Advanced Metering Infrastructure (AMI) Troubleshooting Investigations	131	139
Customer Services - Continued	July 2023	June 2023
Automated Meter Reading (AMR) Troubleshooting	33	31
Stopped/Underperforming Meters Replaced	73	53
Meter Transceiver Units (MXU) Upgraded to AMI	180	157
Meter Accuracy Tests Performed	0	0
Water Use Evaluations	5	5
Water Use Violation Reports	1	0
Workshops, Events, and Tours	1	2
High-Efficiency Clothes Washer Rebate Applications	6	11
Weather-Based Irrigation Controller Rebate Applications	10	16
Hose Irrigation Controller Rebate Applications	0	0
High-Efficiency Rotating Nozzle Rebate Applications	0	0
High-Efficiency Toilet Rebate Applications	3	0
Rain Barrel Rebate Applications	0	1
Flow Monitor Device Rebate Applications	0	1
Turf Removal Project Rebate Applications	1	3
Social Media Posts	25	17
News Releases/Media Advisories	1	3
EFRR	July 2023	June 2023
Special Use/Event Permits	5	5
Parking Notices	40	55
Incident Reports	5	5
Vehicle Count	3,209	4,184
Trail Use Count	6,489	9,114
Days Closed Due to Rain/Red Flag	0	0
Days Interpretive Center (IC) Open	19	14
Number of IC Visitors	459	353
Volunteer Trail Patrol Shifts	5	3
Volunteer Docent Hours	116	63
Total Number of Docents	61	61
Finance	July 2023	June 2023
Infosend Payments (ACH and Credit Card)	12,688	12,325
OMWD Auto Debit Payments	1,581	1,909
California Bank & Trust Lockbox Payments	3,016	2,861
Over the Counter Payments	534	351
Check-free, Metavante and Chase	4,252	4,388
Finance Calls and Walk-ins	48	62
Service Orders Processed	22	18
Service Orders Closed Out	4	0
Purchase Orders	13	14
Inventory Items Received	436	1,347
Invoices Processed	402	587
Payroll Direct Deposits Processed	244	240
Accounts Payable Checks and Electronic Fund Transfers	327	324

ENGINEERING DEPARTMENT

Engineering Manager Lindsey Stephenson Highlights for July 2023:

4S Ranch Neighborhood 1 Sewer Pump Station Replacement Project continued to progress through construction. Construction of the Asphalt and Concrete Maintenance Project continued at OMWD Headquarters. Lusardi Phase III Cathodic Protection Replacement Project was awarded in July, with anticipated start in September. Staff continued planning and design efforts on multiple CIP projects. Staff continued to handle developer requests, continued to assist other departments with engineering-related work, and continued to manage OMWD's right of ways and cell sites.

HUMAN RESOURCES DEPARTMENT

Human Resources Manager Jennifer Joslin Highlights for July 2023:

Human Resources staff conducted new hire orientation and safety training for the new Customer Service Representative I. Coordinated the mandatory harassment prevention training for all non-supervisory employees. Applied for an Association of California Water Agencies (ACWA) 2023 Wellness Grant and was awarded \$2,000 in funding that will be used for on-site yoga classes for staff. Participated in the 457/401a plan review meeting with Lincoln Financial advisors. Records staff processed multiple public records requests. Safety staff met with the Operations Manager to coordinate the 4S Pond Dam Emergency Action Plan compliance requirements. Held a Safety Sub-Committee meeting and hosted the July Safety Committee meeting.

OPERATIONS & MAINTENANCE

Operations Highlights for July 2023:

Source water quality issues following MWD's recent algae treatment of Lake Skinner have impacted membrane performance, resulting in plant staff having to modify the membrane cleanings and scheduling to recover and maintain permeability. Operator overtime and increased chemical use are expected. Energy Recovery Turbine 124 has been experiencing issues with vibration readings since the reinstallation in June and is currently offline for troubleshooting work with OMWD tech staff and an outside contractor. 4S Water Reclamation Facility and Waste Water Pump Stations flow meters have all received their yearly calibrations. IT staff continue to work on the Dell Data Domain and Firewall configurations and are deploying new laptops. System Operations continues to make progress on the Lead Service Line Inventory project and provide support to Engineering on the Potable Water/Recycled Water Updated Master Plan. Replacement of the 16" Cla Valve at the Miller Altitude Vault was completed, and the restart of the Miller Hydro Plant was successful. Construction procured a new Valve Turner Truck for System Operations and assisted David C. McCollom Water Treatment Plant staff with membrane cleaning. Construction has begun FY 2024's Valve Replacement Project with in-house staff excavating two 6-inch fire hydrant valves, one 10-inch inline valve and a 12-inch branch valve.

CUSTOMER SERVICES DEPARTMENT

Customer Services Manager John Carnegie Highlights for July 2023:

Mailed 180 postcards notifying customers affected by the next Advanced Metering Infrastructure

Expansion Project phase of upcoming work and the My Water Use dashboard; hosted public facilities tour; completed redesign of educational signage at 4S Ranch Water Reclamation Facility; completed ACWA JPIA enrollment process for general liability, property, crime, excess, and cybersecurity insurance policies for Fiscal Year 2024; received notice of award for \$15,000 in grant funding from Metropolitan Water District's Member Agency Administered Program for My Water Use dashboard outreach; participated in DWR Water Loss and Leak Detection webinar to prepare for annual water loss audit; submitted to Assemblymember Boerner a comment letter with suggested amendment to AB 399; and utilized advocate in Sacramento to oppose AB 1337 at the Senate Natural Resources and Water Committee hearing.

At EFRR, hosted three Escondido Creek Conservancy summer camps; hosted quarterly meeting and training for EFRR volunteers; performed two heat-related trail rescues; installed 2023 photo contest prints at interpretive center; and repaired vandalized signs in staging area.

FINANCE DEPARTMENT

Finance Manager Rainy Selamat Highlights for July 2023:

Completed 2023 Water Capacity Fees Hearing Process; reviewed and finalized 2024 water rates and charges options; attended 457 and 401 (a) plans annual review with HR Manager Joslin; discussed 2024 Water and Sewer Cost of Service Study proposals with Raftelis; staff worked on fiscal year 2023 year-end accounting reconciliations and adjustments; staff worked on implementing the new GASB 96 pronouncement; staff worked on finalizing sewer billing calculations and preparing sewer bill files for submittal to the County's Tax Roll for 2023/2024; and contacted other water districts for reference checks on Davis Farr as their auditors.

ASSISTANT GENERAL MANAGER:

The Assistant General Manager reports the following for July 2023:

Coordinated United States Bureau of Reclamation (USBR) Tour of the Wanket Tank, participated in OMWD Condition Assessment Workshop at the Water Treatment Plant, worked with North San Diego Water Reuse Coalition partners on Local Project Sponsor (LPS) and Local Project Participant (LPP) agreement, engaged in meetings with stakeholders and project team and continued project management efforts on San Dieguito Valley Brackish Groundwater Project, dedicated significant time to personnel matters, employee recruitment, and claims management.

GENERAL MANAGER:

The General Manager reports the following for July 2023:

Led a United States Bureau of Reclamation Tour of the Wanket Tank, attended and worked with legal counsel at the Hillside Patio Trial, attended the North County Manager's Meeting, commenced OMWD's LAFCO Municipal Service Review (MSR), dedicated significant time to trial preparation, LAFCO detachment issues, providing SDCWA Board Meeting comments, reviewing records requests, and personnel matters.

Memo

C

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

CONSULTING ENGINEER

Any written report will be attached; any oral report will be provided at the time of the Board Meeting.

Memo

D

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

GENERAL COUNSEL

Any written report will be attached; any oral report will be provided at the time of the Board Meeting.



TO: Olivenhain Municipal Water District

FROM: Alfred Smith

DATE: August 16, 2023

RE: Attorney Report: Conflict of Interest Update for Elected Directors
150152-0005

I. INTRODUCTION.

This attorney report provides an update on new regulations adopted by the Fair Political Practices Commission (“FPPC”) to implement SB 1439 – the bill adopted last year that extended the Levine Act’s conflict of interest requirements to local elected officials. SB 1439 provides that local elected officials – including water district and other special district board members, city council members, and school district board members – are now required to “conflict out” of certain proceedings involving persons that made contributions to their respective political campaigns.

SB 1439 prohibits directors from accepting, soliciting, or directing contributions exceeding \$250 from a party to a proceeding (such as those seeking a license, permit, contract or other entitlement from the District). The restrictions apply to parties and affiliated persons, such as agents or employees, while such a proceeding is pending, during the preceding 12 months, and for 12 months after the final decision in the proceeding. Prior to the passage of SB 1439, the Levine Act only applied to officials serving on appointed boards.

Additionally, a contractor or anyone appearing before a water district with a contracting request must disclose if they made contributions over \$250 during the prior 12 months.

II. THE LEVINE ACT.

The Levine Act, California Government Code Section 84308, originally prohibited “pay-to-play” contributions to certain officials such as planning commissions and the California Coastal Commission. The Act was adopted in 1982, in response to reports that several members of the Coastal Commission solicited and received large campaign contributions from individuals with applications pending before the commission.

The Act originally required covered officials to recuse themselves from voting on a matter involving a license, a permit or other entitlement if the official received a

campaign contribution of \$250 or more within the preceding 12 months. The Act also originally prohibited a party with a pending matter from contributing to a member while a proceeding is pending and for three months after, and it prohibited officials from soliciting contributions of \$250 or more during the same time period.

III. SENATE BILL 1439.

Senate Bill 1439 makes a number of changes to the Levine Act, which is a part of the Political Reform Act. SB 1439 extends the Act's coverage to locally elected or appointed governing boards, including water districts. Water district board members now have to "conflict out" of certain proceedings involving persons that made contributions to their respective political campaigns.

SB 1439 imposes several new requirements on water district board members. First, the bill prohibits accepting, soliciting or directing a campaign contribution of \$250 or more if the donor is involved in a proceeding involving a license, permit or other entitlement for use, including a contract award, that is pending before the District. Under SB 1439, this prohibition continues for 12 months following the proceeding. (It was previously three months.)

Second, the Act now requires water district board members to recuse from any proceeding involving a license, permit or other entitlement for use, including a contract award, if the member has received a campaign contribution from a person involved in the proceeding within the previous 12 months.

The Act applies to both the parties directly involved in the proceeding, such as an applicant for an entitlement, as well as to other participants who actively support or oppose a particular decision in the proceeding. As with other provisions of the Political Reform Act, officials with a Levine Act conflict of interest cannot make, participate in making, or attempt to influence any such proceeding.

The rule does not apply to labor contracts, personal employment contracts or contracts that are competitively bid.

In light of SB 1439, both elected and appointed officials of a local government agency must now do all of the following:

- Disclose. Before participating in any decision in a proceeding involving a license, permit or other entitlement for use (including certain contracts), a director who received a contribution over \$250 in the preceding 12 months from a party or any participant in the proceeding must disclose that fact on the record.
- Recuse. If the director knows or has reason to know that the party or participant who made the contribution has a financial interest in the decision, the director must not make – or participate in making – the decision.

- Or Return. If the director returns the contribution within 30 days from the time the director knows or should have known about the contribution and relevant proceeding, the director may participate in the decision.
- Refuse. While the proceeding is pending for 12 months after a final decision is rendered, a director must not accept, solicit or direct a contribution of more than \$250 from the party or participant if the director knows or has reason to know the party or participant has a financial interest in the decision.
 - Or Return. If a director accepts, solicits or directs a contribution of more than \$250 during the 12 months after the date a final decision is rendered in the proceeding, the director may cure the violation by returning the contribution, or the portion of the contribution that exceeds \$250, within 14 days of accepting, soliciting or directing the contribution, whichever comes latest. This opportunity to cure is only available if the director did not knowingly and willfully accept, solicit or direct the prohibited contribution, and the director keeps a record of curing the violation.

IV. NEW FPPC GUIDANCE.

On June 15, 2023, the FPPC adopted new regulations regarding SB 1439. This new guidance comes after a lawsuit challenging SB 1439 as unconstitutional. (*Family Business Association of California, et al. v. Fair Political Practices Commission*, Case No. 34-2023-00335169-CU-MC-GDS). This lawsuit was dismissed last month. It is not yet clear if the court's decision will be appealed.

The FPPC stated that the new regulations are intended to help clarify some of the questions raised by public agencies as to how to implement SB 1439. Highlights of the new and amended regulations include:

- **Applicability.** The FPPC confirmed that the Levine Act's amended provisions do not apply to contributions made or received, or proceedings participated in, prior to January 1, 2023, for elected officials. This essentially codifies the FPPC's Kendrick Opinion, No. O-22-002, which was issued last year. Note that this regulation does not impact officials serving on appointed boards.
- **Definition of "Pending" Proceeding.** The FPPC created a context-specific approach to determining when a proceeding is "pending" for purposes of the Levine Act.
 - *With respect to officers,* a proceeding is considered "pending" when (1) the decision is before the officer (for members of the governing body, this includes when the item is placed on the agenda for discussion or decision

- at a public meeting of the body) or (2) it is reasonably foreseeable the decision will come before the officer and the officer knows or has reason to know the decision is within the jurisdiction of the agency.
- With respect to a *party or participant*, a proceeding is “pending” once the entitlement for use decision is within the jurisdiction of the agency (e.g., once the application has been filed). This means parties and participants must refrain from making contributions exceeding \$250 to an officer, once an application has been filed with the agency, even though the decision has not yet come before the officer. However, officers would not be at risk of violating the Levine Act by accepting a contribution from a party or participant in instances where the officer does not know or have any reason to know about the proceeding.
 - **Definition of “Knows or Has Reason to Know.”** Under the Levine Act, when an officer knows or has reason to know that a participant has a financial interest in a proceeding, the officer is prohibited from accepting, soliciting, or directing a contribution exceeding \$250 from the participant. Likewise, an officer is prohibited from taking part in a proceeding if, within the preceding 12 months, the officer has willingly or knowingly received a contribution exceeding \$250 from a party or party’s agent, or participant or participant’s agent if the officer knows or has reason to know of the participant’s financial interest in the decision.
 - The FPPC has clarified that an officer knows or has reason to know of a participant’s financial interest in a decision only if the officer has actual knowledge of the financial interest, or the *participant reveals facts in written or oral statements during the proceeding* before the officer that make the person’s financial interest apparent.
 - While all relevant facts should be considered, an official aware of the following facts has reason to know of a participant’s potential financial interest and may not take part in the proceeding if the official has received a disqualifying contribution from that participant or participant’s agent:
 - The participant has an interest in property within 500 feet of the real property at issue in the proceeding;
 - The participant has an economic interest in a business entity that may see a significant increase or decrease in customers as a result of the proceeding; or
 - The participant has a business relationship with the applicant that may result in additional services provided to the applicant.
 - An officer *does not know* or have reason to know of a participant’s financial interest in a decision solely as a result of the participant identifying an economic interest located in the general vicinity of a business entity or real property at issue in the proceeding.

- **Willful or Knowing Receipt of a Contribution.** The FPPC has provided details as to when an officer is considered to have willfully or knowingly received a contribution, and has clarified that an officer without actual knowledge of the contribution from a party or participant does not have reason to know of the contribution based solely on the fact that the contribution was reported as required by law.
 - However, an officer does have reason to know of a contribution previously reported under the Act's reporting provisions made by a *party* in a proceeding *noticed on an agenda* for a public meeting before the body or board or, for officers not on a body or board, where the proceeding is otherwise before the officer in the officer's decision-making capacity.
- **Learning of a Contribution During a Meeting.** An officer who learns of a participant's financial interest or contribution *during the proceeding* must disclose the contribution prior to any further participation in the meeting. The officer may still take part in the proceeding if the official discloses the disqualifying contribution on the record, confirms that it will be returned within 30 days following the time the officer knew or should have known about the contribution, and the contribution is returned within that timeframe.
- **Party's Obligation to Disclose Contributions.** On the date a party to a proceeding files an application or other request initiating the proceeding, the party must disclose the amount of any contribution(s) made within the preceding 12 months and the names of the contributors. For a contribution made during any stage of the proceeding, the party must disclose the contribution within 30 days of making the contribution, or on the date on which the party makes its first appearance before or communication with the agency regarding the proceeding following the contribution, whichever is earliest.
- **Definition of "Officer."** The FPPC revised the definition of "officer of the agency" to provide that an "officer" is an individual who may make, participate in making, or attempt to influence a decision in the proceeding or who exercises authority over officers who may do so. The definition specifically includes an individual who is a candidate for elected office or who has ***been a candidate in the 12 months prior to the decision***. This means that the Levine Act applies to an officer even if the officer has already lost the election.
- **Definition of "Agent."** The FPPC clarified that a person acting as the representative of a party or participant in a proceeding must also be ***compensated*** in order to be considered an "agent" for purposes of the Levine Act.
- **Aggregation.** Contributions made by a party and a party's agent, or a participant and a participant's agent, are aggregated for purposes of the Levine Act's \$250 limit. The FPPC clarified the rules regarding aggregation, and specifically excluded *uncompensated officers of nonprofit organizations* from the aggregation requirement.

V. CONCLUSION.

SB 1439 presents a significant change for water district board members because campaign donations previously did not give rise to the Levine Act's conflict of interest rules. Accordingly, directors are now required to disclose, recuse, refuse or return campaign contributions over \$250 from pending contractors within the preceding 12 months (or for 12 months following the final decision).

SB 1439 also imposes new requirements on potential contractors. Now parties seeking contracts, permits or licenses from the District will have to disclose if they made contributions over \$250 within the prior 12 months. This will require companies and individuals seeking contracts, permits or licenses from the District to (1) refrain from making any prohibited contributions; (2) be on the lookout for any prohibited contributions from principals or employees who might be unaware of the rule; (3) ask employees and agents about their campaign contribution history; and (4) put in place a compliance process to avoid inadvertent violations.

SB 1439 took effect on January 1, 2023. Violation of the Act is punishable as a misdemeanor.

AES

Memo

E

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

SAN DIEGO COUNTY WATER AUTHORITY REPRESENTATIVE

Any report will be oral at the time of the Board meeting.

**SUMMARY OF FORMAL BOARD OF DIRECTORS' MEETING
JULY 27, 2023**

1. Monthly Treasurer's Report on Investments and Cash Flow.
The Board noted and filed the Treasurer's report
2. Agreement with Oracle USA, Inc. to renew the Enterprise Resource Planning System software annual maintenance and support agreements.
The Board authorized the General Manager to renew the Enterprise Resource Planning System software annual maintenance and support agreements with Oracle USA, Inc. for two years at a total cost of \$674,846.94.
3. Approve the Recommended Debt Management Activities to Defeas Outstanding Debt.
The Board adopted Resolution No. 2023-27, authorizing defeasance of a portion of the outstanding Series 2020A Bonds in a principal amount not to exceed \$12,000,000 in Calendar Year 2023.
4. Contract with Meiden America Switchgear, Inc. for the purchase of vacuum circuit breakers for the Lake Hodges Hydroelectric and Pumped Storage Facility.
The Board authorized the General Manager to award a purchase order contract to Meiden America Switchgear, Inc. to purchase two 72.5kV vacuum circuit breakers for the electrical switchyard at Lake Hodges Hydroelectric and Pumped Storage Facility, in the amount of \$230,000.
5. Notice of Completion for the Hauck Mesa Storage Reservoir project.
The Board authorized the General Manager, or designee, to accept the Hauck Mesa Storage Reservoir project as complete, record the Notice of Completion, and release all funds held in retention to Pacific Hydrotech Corporation in accordance with the contract and applicable law.
6. Adopt positions on various bills.
The Board adopted a position of Support on the ARROW Act (Senator Padilla), relating to Atmospheric Rivers, Reconnaissance, Observation and Warnings Act.
7. Approve the Audit Committee's recommendation of Davis Farr LLP (Davis Farr) to serve as independent auditor for a three-year period covering the financial audits of fiscal years 2024, 2025 and 2026, with two one-year extension options for fiscal years 2027 and 2028.
The Board approved the selection of Davis Farr to serve as the Water Authority's and QSA JPA's independent auditor, and authorize the General Manager to enter into an agreement with Davis Farr. The agreement will provide for independent audits, in-house training, and performance of agreed upon (AUP) engagements for a three-year period covering fiscal years 2024, 2025 and 2026, with two one-year extension options for fiscal years 2027 and 2028, for a not-to-exceed amount for the three-and five-year periods totaling \$243,720 and \$411,200, respectively.
8. Employment of retired employee as Interim Assistant General Manager and exception of 180-day wait period.
The Board adopted Resolution No. 2023-28, a resolution of the Board of Directors of the San Diego County Water Authority appointing a retired annuitant pursuant to the exception to the 180-day wait period under government code sections 7522.56 and 21224.

9. Approval of Minutes.

The Board approved the minutes of the Formal Board of Directors' meeting of June 22, 2023.

Memo

F

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS
LEGISLATIVE REPORT

Any written report will be attached; any oral report will be provided at the time of the Board Meeting.

TO: Olivenhain Municipal Water District (OMWD)
FROM: Ashley Walker, Senior Policy Advisor, Nossaman LLP
Jennifer Capitulo, Jennifer M. Capitulo and Associates LLC
DATE: August 7, 2023
RE: August 2023 Public Policy Report

State Legislative Update:

Status of the Legislature: All bills that are continuing to move through the legislative process this year, are now in their second house. The second house policy committee deadline was Friday, July 14. The Legislature is on Summer Recess and will reconvene on Monday, August 14. When they return on August 14, they will need to pass bills out of the fiscal committees by September 1. The Legislature will then focus on passing bills off the Senate and Assembly Floor, over to the Governor's office for action. They will remain in session until September 14, before Interim Study Recess begins. The Governor has 30 days to take action on bills that are presented to him.

Legislation: OMWD has taken several positions on legislation, as outlined below.

- **AB 30 (Ward): Atmospheric rivers: research: reservoir operations.** This bill renames the Atmospheric Rivers program as the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency Program and requires the Department of Water Resources to research, develop, and implement new observations, prediction models, novel forecasting methods, and tailored decision support systems to improve predictions of atmospheric rivers and their impacts on water supply, flooding, post-wildfire debris flows, and environmental conditions. Current position: Support.
- **AB 399 (Boerner) Water Ratepayers Protections Act of 2023: County Water Authority Act: exclusion of territory: procedure.** This bill enacts the Water Ratepayers Protections Act of 2023, which requires a member agency to receive majority voter approval of its electorate, and the entire county water authority's electorate, before it can detach from a county water authority. OMWD put in a letter to the Author requesting amendments be added to the bill. The requested amendment proposed that the voting structure at the County Water Authority be changed from a weighted vote to a combination majority weighted vote/majority agency vote to ensure that decisions made by the SDCWA Board of Directors are in the best interest the Water Authority, as a whole, and not just the few large agencies. Nossaman met with the Author's office and the Assemblywoman is not open to the

proposed amendment in this bill, as they believe the voting structure amendment is not related to the issue they are trying to address in AB 399 with the departure of a Member Agency. They are willing to discuss the voting structure issue in the fall. Nossaman will work to set up a meeting in the fall to discuss this issue. Current position: Watch.

- **AB 755 (Papan): Water: public entity: cost-of-service analysis.** Requires a public entity, whenever conducting a cost-of-service analysis, to identify the total incremental costs incurred by all the major water users and the total incremental costs incurred by all the low volume water users in the single-family residential class. Current position: Reviewing amendments.
- **AB 838 (Connolly): California Water Affordability and Infrastructure Transparency Act of 2023.** This bill would place additional requirements to public water systems by having them provide specified information and data related to the average water bill paid by customers at intervals determined by the State Water Board. Current position: Oppose. *This bill is dead for the year.*
- **AB 1072 (Wicks): Water conservation and efficiency: low-income residential customers.** Seeks to ensure local rebates are available to low-income and disadvantaged communities. Olivenhain MWD strongly supports access to rebates for water efficient fixtures and landscapes for these communities, but recognizes there are barriers to participation. The approach this bill takes to ensuring access to these programs, however, is not workable as it potentially violates Proposition 218 requirements and directs inappropriate state funding for these purposes. Current position: Oppose unless amended. *This bill is dead for the year.*
- **AB 1337 (Wicks): State Water Resources Control Board: water diversion curtailment.** Authorizes SWRCB to issue a curtailment order for any diversion, regardless of basis of right, when water is not available under the diverter's priority of right, and makes the failure to comply with a curtailment order a trespass. Current position: Oppose. *This bill is dead for the year.*
- **AB 1567 (Garcia): Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024.** Places a \$15.955 billion climate resilience general obligation bond before the voters on the March 5, 2024, Primary Election ballot. Current position: Support.
- **AB 1572 (Friedman): Potable water: nonfunctional turf.** This bill would create a regulatory structure around a prohibition on the use of potable water for the irrigation of nonfunctional turf on properties other than single-family homes. We do not oppose banning irrigation of certain nonfunctional turf with potable water, but have concerns regarding the current definition of nonfunctional turf, scope, and compliance structure provided for in AB 1572. Current position: Reviewing amendments.

- **AB 1594 (Garcia): Medium- and heavy-duty zero-emission vehicles: public agency utilities.** This bill would require that any state regulation applicable to essential public agency utility vehicles ensures that those vehicles can support a public agency utility's ability to maintain reliable water and electric service, respond to disasters in an emergency capacity, and provide mutual aid assistance statewide and nationwide. Current position: Support.
- **AB 1637 (Irwin): Local government: internet websites and email addresses.** This bill would require local governments to ensure that their public-facing internet websites and email addresses use a ".gov" or ".ca.gov" domain name, no later than January 1, 2029. Current position: Comments on concerns.
- **SB 23 (Caballero): Water supply and flood risk reduction projects: expedited permitting.** ACWA is sponsoring SB 23 which would streamline the regulatory permitting of water supply and flood risk reduction projects. Current position: Support. *This bill is dead for the year.*
- **SB 366 (Caballero): The California Water Plan: long-term supply targets.** CMUA is sponsoring this legislation intended to transform California's water planning efforts from a process where we are managing for scarcity to a future where there is enough water for all beneficial uses. Current position: Support. *This bill is dead for the year.*
- **SB 411 (Portantino): Open meetings: teleconferences: bodies with appointed membership.** This bill ensures alternate teleconferencing provisions indefinitely to boards, an advisory boards of a local agency and commissions. This measure will allow boards and commissions to continue to serve their constituents uninterrupted by extending appropriate COVID-19 pandemic provisions. Current position: Support.
- **SB 867 (Allen): Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024.** Authorizes a \$15.5 billion climate resilience bond to be placed before voters at an unspecified election. Current position: Support.

Governor's Actions and Executive Orders: The following actions have been taken by the Governor since the last report. This list is compiled from CalOES, California Health and Human Services, California Department of Public Health, and FEMA.

- August 4 - Governor Newsom signed an executive order to streamline levee repairs and debris removal to help local communities recover from flooding and prepare for the next wet season. This is the latest in a series of actions to protect communities and conserve water from record rain and snowfall. A copy of the executive order can be found [here](#).
- August 3 - California announced a new initiative with the Chinese province of Hainan in the global fight against climate change. The Memorandum of Understanding (MOU) signed

outlines five areas of cooperation between California and Hainan: cutting air pollution, developing and implementing climate adaptation and carbon neutrality plans, advancing clean energy, accelerating zero-emission vehicles (ZEVs) and driving nature-based solutions.

- July 27 - President Biden received a briefing on extreme heat conditions and announced new steps his Administration is taking to help cities and states fight heat.
- July 24 - Federal Emergency Management Agency (FEMA) expanded Public Assistance to six additional counties impacted by the February and March storms: the Counties of Alameda, Imperial, San Bernardino, San Joaquin, Stanislaus and Ventura.
- July 24 - Supporting California communities impacted by the February and March severe storms, the California Governor's Office of Emergency Services (Cal OES) received from the federal government and received an extension for Californians to apply for federal assistance until September 1, 2023.
- July 20 - Working to fortify state and local resources to keep Californians safe from all-hazard disasters, Cal OES has created a first-in-the-state partnership with a Tribal Nation. Through an agreement with the state, the Pala Band of Mission Indians and Pala Fire Department are now a partner of the California Fire and Rescue Mutual Aid System.
- July 13 - Governor Gavin Newsom announced CAL FIRE is providing \$47 million in grants to help schools convert asphalt to green spaces and plant trees and other vegetation – adding cooler spaces essential to protecting kids from dangerous extreme heat.

Water Quality Update:

Draft Seawater Desalination Siting and Streamlining Report to Expedite Permitting Released for Public Comment: On July 10, 2023, State Water Board staff released the Draft Seawater Desalination Siting and Streamlining Report to Expedite Permitting (Draft Report) for public comment. The Draft Report was developed by a Seawater Desalination Interagency Group headed by the State Water Board and comprised of state and federal agencies that review environmental documents and permit or lease applications for proposed seawater desalination facilities, to fulfill a directive in California's Water Supply Strategy: Adapting to a Hotter Drier Future. The Seawater Desalination Interagency Group identified criteria for siting seawater desalination projects where they are cost effective and environmentally appropriate to facilitate approval under existing regulatory requirements, as well as recommendations for potential changes to the requirements to streamline permitting. The Seawater Desalination Interagency Group hosted an informational public webinar on Friday, July 21, 2023 to share the impetus and approach for developing the Draft Report, provide an overview of the recommendations, and describe the process for submitting comments on the Draft Report. State Board staff, in coordination with the Seawater Desalination Interagency Group, considered comments and are in the process of finalizing the Draft Report for submittal to the Governor's Office.

Direct Potable Reuse (DPR) Regulations: The Division of Drinking Water (DDW) at the State Water Board submitted the DPR regulatory package to the Office of Administrative Law (OAL) and OAL approved the regulations for publishing; they will be published Friday, July 21 for the minimum 45-day public comment period. DDW plans to hold an APA public hearing at the September 7 Board workshop and anticipates board adoption of the DPR regulations in December 2023 to meet the deadline established by the legislature in AB 574 (Water Code, Division 7, Chapter 7.3) and commitment by the State Water Board in the governor's 2022 California's Water Supply Strategy.

Hexavalent Chromium Maximum Contaminant Level: The proposed hexavalent chromium maximum contaminant level notice of proposed rulemaking was published June 16, 2023. An Administrative Procedure Act public hearing to receive public comments on the proposed regulation is scheduled for Wednesday, August 2, 2023. Written comments are due at noon on Friday, August 4, 2023.

Water Use Efficiency/Conservation Update

State Water Board - Long Term Water Conservation Standards Rulemaking: As of early August, the SWRCB has not yet released the proposed draft long-term water conservation regulations for public comments. The Nossaman team is continuing to monitor this process in collaboration with a broad coalition of other water associations and water suppliers.

Olivenhain Legislative Report as of 7/21/2023

Concerns/Amend

[AB 1637](#) (Irwin D) Local government: internet websites and email addresses.

Last Amend: 6/29/2023

Status: 7/10/2023-In committee: Referred to APPR. suspense file.

Location: 7/10/2023-S. APPR. SUSPENSE FILE

Summary: Would, no later than January 1, 2029, require a local agency, as defined, that maintains an internet website for use by the public to ensure that the internet website utilizes a ".gov" top-level domain or a ".ca.gov" second-level domain and would require a local agency that maintains an internet website that is noncompliant with that requirement to redirect that internet website to a domain name that does utilize a ".gov" or ".ca.gov" domain. This bill, no later than January 1, 2029, would also require a local agency that maintains public email addresses to ensure that each email address provided to its employees utilizes a ".gov" domain name or a ".ca.gov" domain name. By adding to the duties of local officials, the bill would impose a state-mandated local program.

Position

Concerns/Amend

Notes: Concern/ amend letter sent to ASM Appropriations and author 5/3/23.

Oppose

[AB 755](#) (Papan D) Water: public entity: water usage demand analysis.

Last Amend: 7/13/2023

Status: 7/13/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/10/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law authorizes a public entity that supplies water at retail or wholesale within its service area to adopt, in accordance with specified procedures, and enforce a water conservation program. This bill would provide that a public entity, as defined, should conduct a water usage demand analysis, as defined, prior to completing, or as part of, a cost-of-service analysis conducted to set fees and charges for water service that are consistent with applicable law. The bill would require a public entity to identify, within the water usage demand analysis, the marginal cost of water service incurred by the public entity as a result of high water users, as defined, and the average annual volume of water delivered to high water users. The bill would also require the marginal cost and the average annual volume of water delivered to high water users to be made publicly available by posting the information in the public entity's cost-of-service analysis.

Position

Oppose

Oppose Unless Amended

[AB 1572](#) (Friedman D) Potable water: nonfunctional turf.

Last Amend: 7/10/2023

Status: 7/10/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/3/2023-S. APPR.

Summary: (1)Current law establishes various state water policies, including the policy that the use of water for domestic purposes is the highest use of water. This bill would make legislative findings and declarations concerning water use, including that the use of potable water to irrigate nonfunctional turf is wasteful and incompatible with state policy relating to climate change, water conservation, and reduced reliance on the Sacramento-San Joaquin Delta ecosystem. The bill would direct all appropriate state agencies to encourage and support the elimination of irrigation of nonfunctional turf with potable water. This bill contains other related provisions and other existing laws.

Position

Oppose Unless
Amended

Notes: ACWA close watch- define nonfunctional turf and create a program within the State Board for regulation of nonfunctional turf and prohibit the use of potable water for the irrigation of nonfunctional turf.

Support

[AB 30](#) (Ward D) Atmospheric rivers: research: reservoir operations.

Last Amend: 6/26/2023

Status: 7/13/2023-Read third time. Passed. Ordered to the Assembly. (Ayes 37. Noes 0.). In Assembly. Concurrence in Senate amendments pending. May be considered on or after August 11 pursuant to Assembly Rule 77.

Location: 7/13/2023-A. CONCURRENCE

Summary: Current law establishes the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program in the Department of Water Resources. Current law requires the department, upon an appropriation for purposes of the program, to research climate forecasting and the causes and impacts that climate change has on atmospheric rivers, to operate reservoirs in a manner that improves flood protection, and to reoperate flood control and water storage facilities to capture water generated by atmospheric rivers. This bill would rename that program the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency (AR/FIRO) Program. The bill would require the department to research, develop, and implement new observations, prediction models, novel forecasting methods, and tailored decision support systems to improve predictions of atmospheric rivers and their impacts on water supply, flooding, post-wildfire debris flows, and environmental conditions.

Position

Support

Notes: ACWA recommends a support position as of 1.17.23.

[AB 1567](#) (Garcia D) Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024.

Last Amend: 5/26/2023

Status: 6/14/2023-Referred to Coms. on N.R. & W. and GOV. & F.

Location: 6/14/2023-S. N.R. & W.

Summary: Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,995,000,000 pursuant to the State General Obligation Bond Law to finance projects for safe

drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, clean energy, and workforce development programs.

Position

Support

AB 1594 (Garcia D) Medium- and heavy-duty zero-emission vehicles: public agency utilities.

Last Amend: 7/13/2023

Status: 7/13/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/12/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law establishes the Air Quality Improvement Program that is administered by the State Air Resources Board for purposes of funding projects related to, among other things, the reduction of criteria air pollutants and improvement of air quality, and establishes the Medium- and Heavy-Duty Zero-Emission Vehicle Fleet Purchasing Assistance Program within the Air Quality Improvement Program to make financing tools and nonfinancial supports available to operators of medium- and heavy-duty vehicle fleets to enable those operators to transition their fleets to zero-emission vehicles. This bill would require any state regulation that seeks to require, or otherwise compel, the procurement of medium- and heavy-duty zero-emission vehicles to authorize public agency utilities to purchase replacements for traditional utility-specialized vehicles that are at the end of life when needed to maintain reliable service and respond to major foreseeable events, including severe weather, wildfires, natural disasters, and physical attacks, as specified. The bill would define a public agency utility to include a local publicly owned electric utility, a community water system, and a wastewater treatment provider, as specified.

Position

Support

Notes: AB 1594 (E. Garcia) support letter from Olivenhain to author on 3.29.23.

SB 411 (Portantino D) Open meetings: teleconferences: neighborhood councils.

Last Amend: 4/24/2023

Status: 7/13/2023-From committee: Do pass as amended. (Ayes 7. Noes 0.) (July 12).

Location: 5/26/2023-A. L. GOV.

Summary: The Ralph M. Brown Act requires, with specified exceptions, that all meetings of a legislative body, as defined, of a local agency be open and public and that all persons be permitted to attend and participate. The act generally requires for teleconferencing that the legislative body of a local agency that elects to use teleconferencing post agendas at all teleconference locations, identify each teleconference location in the notice and agenda of the meeting or proceeding, and have each teleconference location be accessible to the public. Current law also requires that, during the teleconference, at least a quorum of the members of the legislative body participate from locations within the boundaries of the territory over which the local agency exercises jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. This bill, until January 1, 2028, would authorize an eligible legislative body to use alternate teleconferencing provisions related to notice, agenda, and public participation, as prescribed, if the city council has adopted an authorizing resolution and 2/3 of an eligible legislative body votes to use the alternate teleconferencing provisions. The bill would define "eligible legislative body" for this purpose to mean a neighborhood council that is an advisory body with the purpose to promote more citizen participation in government and make government more responsive to local needs that is established pursuant to the charter of a city with a population of more than 3,000,000 people that is subject to the act.

Position

Support

SB 867 (Allen D) Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024.

Last Amend: 6/22/2023

Status: 7/6/2023-July 10 hearing postponed by committee.

Location: 6/20/2023-A. NAT. RES.

Summary: Would enact the Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,500,000,000 pursuant to the State General Obligation Bond Law to finance projects for drought, flood, and water resilience, wildfire and forest resilience, coastal resilience, extreme heat mitigation, biodiversity and nature-based climate solutions, climate smart agriculture, park creation and outdoor access, and clean energy programs.

Position

Support

Close Watch

AB 520 (Santiago D) Employment: public entities.

Last Amend: 6/21/2023

Status: 7/12/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 5. Noes 0.) (July 12). Re-referred to Com. on APPR.

Location: 7/12/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law authorizes the Labor Commissioner to investigate employee complaints and to provide for a hearing in any action to recover wages, penalties, and other demands for compensation. Under current law, any individual or business entity that contracts for services in the property services or long-term care industries is jointly and severally liable for any unpaid wages, including interest, where the individual or business entity has been provided notice, by any party, of any proceeding or investigation by the Labor Commissioner in which the employer is found liable for those unpaid wages, to the extent the amounts are for services performed under that contract, as provided, and except as specified. This bill would additionally provide that any public entity, defined as the state, a city, county, city and county, district, public authority, public agency, and any other political subdivision or public corporation in the state, is jointly and severally liable for any unpaid wages, as provided in the above paragraph.

Position

Close Watch

AB 1573 (Friedman D) Water conservation: landscape design: model ordinance.

Last Amend: 7/10/2023

Status: 7/10/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/3/2023-S. APPR.

Summary: The Water Conservation in Landscaping Act provides for a Model Water Efficient Landscape Ordinance that is adopted and updated at least every 3 years by the Department of Water Resources, unless the department makes a specified finding. This bill would require the updated model ordinance to include provisions that require that plants included in a landscape design plan be selected based on their adaptability to climatic, geological, and topographical conditions of the project site, as specified. The bill would also exempt landscaping that is part of ecological restoration projects that do not require a permanent irrigation system, mined-land reclamation projects that do not require a permanent irrigation system, and existing plant collections, as part of botanical gardens and arboreturns open to the public, from the model ordinance. The bill would require the updated model ordinance to include provisions that require that all new or renovated nonresidential areas install plants that meet specified criteria, and that prohibit the inclusion of nonfunctional turf in nonresidential landscape projects after January 1, 2026. The bill would make other clarifying changes to the updated model ordinance. The bill would require the department, no later than July 1, 2024, to convene a working group composed of a broad range of stakeholders with expertise in horticulture and native plants, as specified, to develop a strategic plan with measurable milestones to, by January 1, 2035, reach a target that all new and renovated nonresidential areas install in the project footprint not less than 75% native plants.

Position

Close Watch

Notes: ACWA concerns- AB 1573 instead only defines nonfunctional turf.

AB 1627 (Lee D) California Safe Drinking Water Act.

Last Amend: 5/16/2023

Status: 6/27/2023-Read second time. Ordered to third reading.

Location: 6/27/2023-S. THIRD READING

Summary: The California Safe Drinking Water Act requires the State Water Resources Control Board to regulate specified water systems and maintain specified primary drinking water standards. The act defines a public water system as a system for the provision of water for human consumption through pipes or other constructed conveyances that has 15 or more service connections or regularly serves at least 25 individuals daily at least 60 days out of the year. Current law applies the provisions of the act to a food facility that is regulated pursuant to the California Retail Food Code only if the human consumption includes drinking of water. In regard to the number of individuals served, this bill would revise the definition of a public water system to apply to a system that regularly serves an average of at least 25 individuals daily at least 60 days out of the year. To the extent that this bill would expand the scope of coverage of the act by applying its provisions to more public water systems, thereby expanding the application of a crime, this bill would impose a state-mandated local program. This bill would repeal the provision applying the act to a food facility that is regulated pursuant to the California Retail Food Code only if the human consumption includes drinking of water.

Position

Close Watch

SB 638 (Eggman D) Climate Resiliency and Flood Protection Bond Act of 2024.

Last Amend: 6/28/2023

Status: 7/6/2023-July 11 hearing postponed by committee.

Location: 6/15/2023-A. W.,P. & W.

Summary: Would enact the Climate Resiliency and Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of \$6,000,000,000 pursuant to the State General Obligation Bond Law, for flood protection and climate resiliency projects.

Position

Close Watch

SB 659 (Ashby D) California Water Supply Solutions Act of 2023.

Last Amend: 7/12/2023

Status: 7/12/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/11/2023-A. APPR.

Summary: Current law requires the Department of Water Resources to update every 5 years the plan for the orderly and coordinated control, protection, conservation, development, and use of the water resources of the state, which is known as "The California Water Plan." This bill would establish the California Water Supply Solutions Act of 2023 to, among other things, require the department to develop a groundwater recharge action plan by January 1, 2026, as specified, that provides actionable recommendations that result in the ability to create additional groundwater recharge capacity. The bill would require the department to consult with the State Water Resources Control Board, the 9 regional water quality control boards, and the advisory committee, which may be enlarged as provided, in carrying out these provisions. The bill would require the groundwater recharge action plan to identify and make recommendations on immediate opportunities and potential long-term solutions to increase the state's groundwater supply, as specified. The bill would require specified actions with regard to the groundwater recharge action plan, including, among other things, requiring the department to include it as part of the 2028 update to the California Water Plan and to update the groundwater recharge action plan at the same time that it prepares updates to the California Water Plan. The bill would require the department to establish a target for additional groundwater recharge capacity creation, to be used for planning purposes only, and to determine the target with consideration for other beneficial or environmental uses of water and water goals.

Position

Close Watch

Concerns

[AB 1713](#) (Gipson D) Local agencies: federal funds: reports.

Last Amend: 7/11/2023

Status: 7/11/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/5/2023-S. APPR.

Summary: Would require a local agency that receives federal funds that are subject to an expiration date, and recurrently and persistently fails to spend a substantial amount of those funds by the expiration date, as provided, to submit a written report to the local agency's legislative body no later than one year after the funding expiration date with an enumeration of the amount of funds returned, a summary of the reasons the funds were returned, and an analysis of policy or operational changes required to ensure that relevant federal funds are spent timely in the future. The bill would require the local agency's legislative body to include the report on the agenda of a public meeting. The bill would apply these provisions to specified types of grants, and only where the local agency returns at least \$10,000,000 from a single federal allocation.

Position

Concerns

Two Year Bill

[SB 737](#) (Hurtado D) Groundwater: recharge.

Status: 3/1/2023-Referred to Com. on RLS.

Location: 2/17/2023-S. RLS.

Summary: Would state the intent of the Legislature to enact subsequent legislation to capture floodwater to recharge groundwater basins and to require the Department of Water Resources and the State Water Resources Control Board to work together to expedite the regulatory steps necessary to store significant rainfall and excess water underground, while still ensuring protections for the environment and other water users as required by state law.

Position

Two Year Bill

Watch

[AB 277](#) (Rodriguez D) Extreme Weather Forecast and Threat Intelligence Integration Center.

Last Amend: 7/3/2023

Status: 7/11/2023-From committee: Do pass and re-refer to Com. on APPR with recommendation: To Consent Calendar. (Ayes 14. Noes 0.) (July 11). Re-referred to Com. on APPR.

Location: 7/11/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law establishes the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program within the department to, upon appropriation of special fund moneys, research climate forecasting and the causes and impacts that climate change has on atmospheric rivers, to operate reservoirs in a manner that improves flood protection in the state, and to reoperate flood control and water storage facilities to capture water generated by atmospheric rivers. This bill would establish the State-Federal Flood Operations Center within the Department of

Water Resources and would authorize the department to administer the center in the department's divisions, offices, or programs. The bill would provide that the purpose of the center is to function as the focal point for gathering, analyzing, and disseminating flood and water-related information to stakeholders and would authorize the center to take specified actions for that purpose, including to function during emergency situations to enable the department to centrally coordinate statewide emergency responses.

Position

Watch

AB 305 (Villapudua D) California Flood Protection Bond Act of 2024.

Last Amend: 4/25/2023

Status: 6/14/2023-Referred to Coms. on N.R. & W. and GOV. & F.

Location: 6/14/2023-S. N.R. & W.

Summary: Would enact the California Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of \$4,500,000,000 pursuant to the State General Obligation Bond Law for flood protection projects, as specified. The bill would provide for the submission of these provisions to the voters at the November 5, 2024, statewide general election.

Position

Watch

AB 345 (Wilson D) Habitat restoration: flood control: advance payments.

Last Amend: 6/26/2023

Status: 7/10/2023-In committee: Referred to APPR. suspense file.

Location: 7/10/2023-S. APPR. SUSPENSE FILE

Summary: Current law establishes the Central Valley Flood Protection Board and authorizes the board to engage in various flood control activities along the Sacramento River, the San Joaquin River, their tributaries, and related areas. This bill would authorize the Department of Water Resources or the board to provide advance payments, as defined, to local agencies for projects that restore habitat for threatened and endangered species under state or federal law or improve flood protection, as provided. The bill would prohibit the amount of funds advanced by the department or the board to the local agency at any one time from exceeding 25% of the entire amount authorized to be provided under the funding agreement. The bill would require the project proponent to demonstrate a need for an advance payment and that the project proponent is sufficiently qualified to manage the project and the project's finances. The bill would require the funds to be spent within 6 months and would require the recipient to provide an accountability report to the department or the board on a quarterly basis, as specified.

Position

Watch

AB 399 (Boerner D) Water Ratepayers Protections Act of 2023: County Water Authority Act: exclusion of territory: procedure.

Last Amend: 6/14/2023

Status: 7/13/2023-From committee: Amend, and do pass as amended. (Ayes 5. Noes 3.) (July 12).

Location: 6/21/2023-S. GOV. & F.

Summary: The County Water Authority Act provides 2 methods of excluding territory from any county water authority, one of which is that a public agency whose corporate area as a unit is part of a county water authority may obtain exclusion of the area by submitting to the electors within the public agency, at any general or special election, the proposition of excluding the public agency's corporate area from the county water authority. Current law requires that, if a majority of the electors approve the proposition, specified actions take place to implement the exclusion. This bill, the Water Ratepayers Protections Act of 2023, would additionally require the public entity to submit the proposition of excluding the public agency's corporate area from the county water authority to the electors within the territory of the county water authority. The bill would require the 2 elections to be separate; however, the bill would authorize both elections to run concurrently. The bill would require a majority vote for withdrawal in both elections for the withdrawal of the public agency from the territory of the county water authority. This bill would declare that it is to take effect immediately as an urgency statute.

Position

Watch

[AB 541](#) (Wood D) California Safe Drinking Water Act: wildfire aftermath: benzene testing.

Last Amend: 6/8/2023

Status: 7/5/2023-Read second time. Ordered to third reading.

Location: 7/5/2023-S. THIRD READING

Summary: Would direct the State Water Resources Control Board to require a public water system that has experienced a wildfire event meeting specified criteria to perform sample collection and analysis of its source waters, treatment facilities, conveyance facilities, distribution systems, or a combination thereof, for the presence of benzene as soon as it is safe to do so.

Position

Watch

[AB 560](#) (Bennett D) Sustainable Groundwater Management Act: groundwater adjudication.

Last Amend: 6/26/2023

Status: 7/12/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 8. Noes 2.) (July 11). Re-referred to Com. on APPR.

Location: 7/12/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law prohibits a court from approving entry of judgment in certain adjudication actions for a basin required to have a groundwater sustainability plan under the Sustainable Groundwater Management Act, unless the court finds that the judgment would not substantially impair the ability of a groundwater sustainability agency, the State Water Resources Control Board, or the Department of Water Resources to comply with the act and to achieve sustainable groundwater management. This bill would require the parties to an adjudication action to submit a proposed settlement agreement determining rights to water to the board for a nonbinding advisory determination as to whether the proposed settlement agreement will substantially impair the ability of a groundwater sustainability agency, the board, or the department to achieve sustainable groundwater management before filing the proposed settlement agreement with the court. The bill would require the board to provide its nonbinding advisory determination to the parties no later than 120 days after the proposed settlement agreement was submitted, and would require the parties to include the board's nonbinding advisory determination in the court filing, as provided.

Position

Watch

[AB 590](#) (Hart D) State-funded assistance grants and contracts: advance payments.

Status: 7/11/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 14. Noes 0.) (July 11). Re-referred to Com. on APPR.

Location: 7/11/2023-S. APPR.

Summary: Would declare the intent of the Legislature to improve and expand the state's existing advance payment practices for state grants and contracts with nonprofits. The bill would authorize an administering state agency to advance a payment to a recipient entity, defined to mean a private, nonprofit organization qualified under federal law, subject to meeting specified requirements. The bill would require the administering state agency to prioritize recipient entities and projects serving disadvantaged, low-income, and under-resourced communities, and to ensure an advance payment to the recipient entity does not exceed 25% of the total grant or contract amount. The bill would require the recipient entity to satisfy certain minimum requirements, including providing an itemized budget and submitting documentation, as required by the administering state agency, to support the need for advance payment.

Position

Watch

[AB 648](#) (Valencia D) Common interest developments: procedures: meetings by teleconference.

Last Amend: 4/20/2023

Status: 6/22/2023-Read second time. Ordered to third reading.

Location: 6/22/2023-S. THIRD READING

Summary: Current law, the Davis-Stirling Common Interest Development Act, governs the management and operation of common interest developments. Current law defines a board meeting as a congregation or a teleconference, as provided. Current law requires, among other things, a board meeting held by teleconference to identify at least one physical location so that members of the association may attend, except as provided. Current law also establishes alternative teleconferencing procedures for a board meeting or a meeting of the members if gathering in person is unsafe or impossible because the common interest development is in an area affected by a federal, state, or local emergency. This bill would authorize a board meeting or a meeting of the members to be conducted entirely by teleconference if specified conditions are satisfied.

Position

Watch

[AB 664](#) (Lee D) California Safe Drinking Water Act.

Last Amend: 5/24/2023

Status: 6/26/2023-In committee: Referred to APPR. suspense file.

Location: 6/26/2023-S. APPR. SUSPENSE FILE

Summary: The California Safe Drinking Water Act provides for the operation of public water systems and imposes on the State Water Resources Control Board various duties and responsibilities for the regulation and control of drinking water in the state. Current law imposes certain responsibilities on public water systems and authorizes the state board to issue a citation to a public water system if the state board determines that the public water system is in violation of the act, or any regulation, permit, standard, or order issued or adopted under the act. Current law requires a public water system to reimburse the state board for actual costs incurred by the state board for specified enforcement activities related to that water system, as provided. This bill would authorize the state board to issue a citation to any person if the state board determines that the person is in violation of the act, or any regulation, permit, standard, or order issued or adopted under the act. The bill would also require persons to reimburse the state board for actual costs incurred by the state water board for specified enforcement activities related to that person, as provided.

Position

Watch

[AB 676](#) (Bennett D) Water: general state policy.

Last Amend: 7/12/2023

Status: 7/12/2023-Read second time and amended. Ordered to third reading.

Location: 7/12/2023-S. THIRD READING

Summary: Would specify that the use of water for domestic purposes includes water use for human consumption, cooking, sanitary purposes, care of household livestock, animals, and gardens, fire suppression and other safety purposes, and any other purpose determined to be a domestic purpose by a court, as specified.

Position

Watch

[AB 682](#) (Mathis R) State Water Resources Control Board: online search tool: funding applications.

Last Amend: 3/20/2023

Status: 7/5/2023-Read second time. Ordered to third reading.

Location: 7/5/2023-S. THIRD READING

Summary: Current law establishes the State Water Resources Control Board (state board) to exercise the adjudicatory and regulatory functions of the state in the field of water resources. Current law establishes the Safe and Affordable Drinking Water Fund in the State Treasury to help water systems provide an adequate and affordable supply of safe drinking water in both the near and long terms. This bill would require, by January 1, 2025, the state board to update the state board's online search tool for funding applications to include a description of the additional information the state board needs from a water system to continue processing the water system's application and a description of the typical steps that must be completed before a funding agreement can be executed after receipt of a complete application, among other information, as specified.

Position

Watch

AB 753 (Papan D) State Water Pollution Cleanup and Abatement Account: annual proceeds transfers.

Last Amend: 7/13/2023

Status: 7/13/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/12/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law authorizes the imposition of civil penalties for violations of certain waste discharge requirements and requires that penalties imposed pursuant to these provisions be deposited into the Waste Discharge Permit Fund, to be expended by the State Water Resources Control Board, upon appropriation by the Legislature, for specified purposes related to water quality. For violations of certain other waste discharge requirements, including the violation of a waste discharge requirement effluent limitation, current law imposes specified civil penalties, the proceeds of which are deposited into the continuously appropriated State Water Pollution Cleanup and Abatement Account, which is established in the State Water Quality Control Fund. This bill would create the Waterway Recovery Account within the Waste Discharge Permit Fund, and would annually transfer from the State Water Pollution Cleanup and Abatement Account, excluding administratively imposed civil liabilities that include a supplemental environmental project in connection with a monetary penalty, 40% of the annual proceeds to the Waterway Recovery Account. The bill would provide that moneys in the account created by the bill are continuously appropriated to the state board without regard to fiscal years. The bill would require the state board to allocate the Waterway Recovery Account moneys to each regional board on a proportional basis, based on moneys generated in each region, and would require the regional boards to allocate those moneys to third parties, with priority given to third parties that will undertake projects with multiple benefits that provide greenspace within disadvantaged communities, as provided.

Position

Watch

AB 754 (Papan D) Water management planning: water shortages.

Last Amend: 7/3/2023

Status: 7/11/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 7. Noes 3.) (July 10). Re-referred to Com. on APPR.

Location: 7/10/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: The Urban Water Management Planning Act requires every public and private urban water supplier that directly or indirectly provides water for municipal purposes to prepare and adopt an urban water management plan. Current law requires an urban water management plan to quantify past, current, and projected water use, identifying the uses among water use sectors, including, among others, commercial, agricultural, and industrial. Current law requires every urban water supplier to prepare and adopt a water shortage contingency plan as part of its urban water management plan. Current law requires the water shortage contingency plan to include procedures for an annual water supply and demand assessment, including the data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year. Current law requires the key data inputs and assessment methodology to include specified information, including, among other things, a description and quantification of each source of water supply. This bill would require a water shortage contingency plan to include, if based on a description and quantification of each source of water supply, a single reservoir constitutes at least 50% of the total water supply, an identification of the dam and description of existing reservoir management operations, as specified, and if the reservoir is owned and operated by the supplier, a description of operational practices and approaches, as specified.

Position

Watch

AB 779 (Wilson D) Groundwater: adjudication.

Last Amend: 7/3/2023

Status: 7/12/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 8. Noes 3.) (July 11). Re-referred to Com. on APPR.

Location: 7/12/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law establishes various methods and procedures for a comprehensive adjudication of groundwater rights in civil court. This bill would require the court to appoint one party to forward all case management orders, judgments, and interlocutory orders to the Department of Water Resources within 10 business days of issuance. The bill would require the court to allocate payment of the costs incurred by the party appointed to forward all case management orders, judgments, and interlocutory orders to the department among the parties in an amount and a manner that the court deems equitable. The bill would require the department to post the documents on its internet website in the interest of transparency and accessibility within 20 business days of receipt from a party, as specified. The bill would authorize the court to refer the matter to the State Water Resources Control Board for investigation and report in order to assist the court in making findings pursuant to these provisions, and would authorize a party to request that the court refer the matter to the board for these purposes. The bill would require the court to consider the water use of small farmers and disadvantaged communities, as those terms are defined, before entering a judgment.

Position

Watch

AB 830 (Soria D) Lake and streambed alteration agreements: exemptions.

Last Amend: 6/27/2023

Status: 7/11/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 10. Noes 0.) (July 10). Re-referred to Com. on APPR.

Location: 7/10/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Current law prohibits a person, a state or local governmental agency, or a public utility from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or depositing or disposing of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake, unless prescribed requirements are met, including written notification to the Department of Fish and Wildlife regarding the activity. Current law prescribes various requirements for lake and streambed alteration agreements. Current law also establishes various exemptions from these provisions, including exemptions for specified emergency work. This bill would additionally exempt from these provisions the temporary operation of existing infrastructure or temporary pumps being used to divert flood stage flows, as identified by the California Nevada River Forecast Center or the State Water Resources Control Board, or near-flood stage flows, as defined, to groundwater recharge as long as certain conditions are met.

Position

Watch

AB 939 (Pellerin D) Santa Clara Valley Water District.

Last Amend: 7/6/2023

Status: 7/10/2023-Read second time. Ordered to third reading.

Location: 7/6/2023-S. THIRD READING

Summary: The Santa Clara Valley Water District Act creates the Santa Clara Valley Water District, and authorizes the district to provide for the conservation and management of flood, storm, and recycled waters, and other waters, for beneficial uses and to enhance natural resources in connection with carrying out the purposes of the district. The act authorizes the district to levy ad valorem taxes or assessments in the district to pay the general administrative costs and expenses of the district, to carry out the act's objects or purposes, and to pay the costs and expenses of constructing or extending works within the district. The act additionally authorizes the district to levy taxes or assessments upon all property or all real property within a portion of the district for specified purposes. The act authorizes the district to issue bonds for specified purposes, and requires that the bonds be paid by revenue derived from those tax levies and assessments, except the ad valorem taxes or assessments. This bill would additionally authorize the district to use the revenues from the ad valorem taxes or assessments to pay for the bonds.

Position

Watch

AB 1024 (Aquiar-Curry D) Water rights: small irrigation use: lake or streambed alteration agreements.

Last Amend: 5/18/2023

Status: 6/27/2023-From committee: Do pass and re-refer to Com. on APPR with recommendation: To Consent Calendar. (Ayes 11. Noes 0.) (June 27). Re-referred to Com. on APPR.

Location: 6/27/2023-S. APPR.

Summary: The Water Rights Permitting Reform Act of 1988 authorizes a person to obtain a right to appropriate water for a small domestic use, small irrigation use, or livestock stockpond use upon first registering the use, as those uses are defined by the act, with the State Water Resources Control Board and thereafter applying the water to reasonable and beneficial use with due diligence. The act requires the registration of water use to be made upon a form prescribed by the board that requires, among other things, a certification that the registrant has contacted a representative of the Department of Fish and Wildlife and has agreed to comply with conditions set forth by the department. The act requires the board to establish reasonable general conditions to which all appropriations made pursuant to the act are required to be subject, including, among other things, that all conditions lawfully required by the department are conditions upon the appropriations. The act provides that the board is not required to adopt general conditions for small irrigation use until the board determines that funds are available for that purpose, and that a registration for small irrigation use pursuant to the act is not authorized until the board establishes general conditions for small irrigation use to protect instream beneficial uses, as specified. This bill would require the board to give priority to adopting, on or before June 30, 2027, except as provided, general conditions that permit specified registrants to store water for small irrigation use during times of high streamflow in exchange for those registrants reducing diversions during periods of low streamflow, as specified.

Position

Watch

AB 1205 (Bauer-Kahan D) Water rights: sale, transfer, or lease: agricultural lands.

Last Amend: 7/13/2023

Status: 7/13/2023-Read second time and amended. Ordered to third reading.

Location: 7/13/2023-S. THIRD READING

Summary: Current law declares that, because of the conditions prevailing in this state, the general welfare requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable, that the waste or unreasonable use or unreasonable method of use of water be prevented, and that the conservation of the water is to be exercised with a view to the reasonable and beneficial use of the water in the interest of the people and for the public welfare. This bill would require the State Water Resources Control Board to, on or before January 1, 2027, conduct a study and report to the Legislature and appropriate policy committees on the existence of speculation or profiteering by an investment fund in the sale, transfer, or lease of an interest in any surface water right or groundwater right previously put to beneficial use on agricultural lands, as specified. The bill would repeal this provision on January 1, 2031.

Position

Watch

AB 1216 (Muratsuchi D) Wastewater treatment plants: monitoring of air pollutants.

Last Amend: 4/26/2023

Status: 6/26/2023-In committee: Hearing postponed by committee.

Location: 6/21/2023-S. APPR.

Summary: Would require, on or before January 1, 2025, the owner or operator of a wastewater treatment facility that is located within 1,500 feet of a residential area and has an original design capacity of 425,000,000 gallons or more per day to develop, install, operate, and maintain a wastewater treatment-related fence-line monitoring system in accordance with guidance developed by the appropriate air quality management district. The bill would require the wastewater treatment-related fence-line monitoring system to include equipment capable of measuring pollutants of concern, including hydrogen sulfide, nitrogen oxides, and volatile organic compounds emitted to the atmosphere from wastewater treatment or reclamation processes that the appropriate district deems appropriate for monitoring. The bill would also require the owner or

operator of a wastewater treatment facility to collect real-time data from the wastewater treatment-related fence-line monitoring system, to maintain records of that data, and to transmit the data to the appropriate air quality management district in accordance with the district's guidance. In addition, the bill would require, to the extent feasible, the data generated by these systems to be provided to the public as quickly as possible in a publicly accessible format.

Position

Watch

AB 1272 (Wood D) State Water Resources Control Board: drought planning.

Last Amend: 6/26/2023

Status: 7/10/2023-In committee: Referred to APPR. suspense file.

Location: 7/10/2023-S. APPR. SUSPENSE FILE

Summary: Would require the State Water Resources Control Board, in consultation with the Department of Fish and Wildlife, to adopt principles and guidelines for diversion and use of water in coastal watersheds, as specified, during times of water shortage for drought preparedness and climate resiliency. The bill would require that the principles and guidelines allow for the development of locally generated watershed-level plans to support public trust uses, public health and safety, and the human right to water in times of water shortage, among other things. The bill also would require the state board, prior to adopting those principles and guidelines, to allow for public comment and hearing, as provided. The bill would make the implementation of these provisions contingent upon an appropriation of funds by the Legislature for this purpose.

Position

Watch

AB 1631 (Schiavo D) Water resources: permit to appropriate: application procedure: mining use.

Status: 7/11/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 7. Noes 0.) (July 10). Re-referred to Com. on APPR.

Location: 7/10/2023-S. APPR.

Calendar: 8/14/2023 10 a.m. - 1021 O Street, Room
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

Summary: Under existing law, the State Water Resources Control Board administers a water rights program pursuant to which the board grants permits and licenses to appropriate water. Existing law requires an application for a permit to appropriate water to include, among other things, sufficient information to demonstrate a reasonable likelihood that unappropriated water is available for the proposed appropriation. Existing law requires the board to issue and deliver a notice of an application as soon as practicable after the receipt of an application for a permit to appropriate water that conforms to the law. Existing law allows interested persons to file a written protest with regard to an application to appropriate water and requires the protestant to set forth the objections to the application. Existing law declares that no hearing is necessary to issue a permit in connection with an unopposed application, or if the undisputed facts support the issuance of the permit and there is no disputed issue of material fact, unless the board elects to hold a hearing. This bill, if the board has not rendered a final determination on an application for a permit to appropriate water for a beneficial use or uses that include mining use within 30 years from the date the application was filed, would require the board to issue a new notice and provide an opportunity for protests before rendering a final determination, with specified exceptions.

Position

Watch

ACA 2 (Alanis R) Public resources: Water and Wildfire Resiliency Act of 2023.

Status: 4/20/2023-Referred to Coms. on W., P., & W. and NAT. RES.

Location: 4/20/2023-A. W., P. & W.

Summary: Would establish the Water and Wildfire Resiliency Fund within the State Treasury, and would require the Treasurer to annually transfer an amount equal to 3% of all state revenues that may be appropriated as described from the General Fund to the Water and Wildfire Resiliency Fund. The measure would require the moneys in the fund to be appropriated by the Legislature and would require that 50% of the moneys in the fund be used for water projects, as specified, and that the other 50% of the moneys in the fund be used for forest maintenance and health projects, as specified.

Position

Watch

SB 3

(Dodd D) Discontinuation of residential water service: public water system.

Last Amend: 6/15/2023

Status: 6/21/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 7. Noes 2.) (June 20). Re-referred to Com. on APPR.

Location: 6/21/2023-A. APPR.

Summary: Current law authorizes the State Water Resources Control Board to provide for the deposit into the Safe and Affordable Drinking Water Fund of certain moneys and continuously appropriates the moneys in the fund to the state board for grants, loans, contracts, or services to assist eligible recipients. This bill would require the board to, upon appropriation by the Legislature, expend moneys to provide training statewide to community water systems with between 15 and 200 service connections to meet compliance with the Water Shutoff Protection Act.

Position

Watch

SB 231

(Hurtado D) Department of Water Resources: water supply forecasting.

Last Amend: 7/12/2023

Status: 7/12/2023-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/11/2023-A. APPR.

Summary: Would require the Department of Water Resources, on or before December 31, 2025, to establish a formal process for annually evaluating and improving the accuracy of its water supply forecasts, adopt a new water supply forecasting model that better addresses the effects of climate change, and implement a formal policy and procedures for documenting its operational plans for the state's water supply and its rationale for its operating procedures. The bill would require the department, by December 1, 2024, to prepare, and submit to the Legislature, a report on its progress toward meeting these requirements.

Position

Watch

SB 389

(Allen D) State Water Resources Control Board: investigation of water right.

Last Amend: 7/6/2023

Status: 7/11/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 9. Noes 3.) (July 11). Re-referred to Com. on APPR.

Location: 7/11/2023-A. APPR.

Summary: Current law authorizes the State Water Resources Control Board to investigate bodies of water, to take testimony in regard to the rights to water or the use of water, and to ascertain whether or not water is appropriated lawfully, as provided. Under current law, the diversion or use of water other than as authorized by specified provisions of law is a trespass, subject to specified civil liability. This bill would instead authorize the board to investigate and ascertain whether or not a water right is valid. The bill would authorize the board to issue an information order in furtherance of an investigation, as executed by the executive director of the board, to a water right holder or claimant, diverter, or user to provide the information related to a diversion and use of water, as specified. The bill would authorize a diversion or use of water ascertained to be unauthorized pursuant to this provision to be enforced as a trespass.

Position

Watch

SB 537

(Becker D) Open meetings: multijurisdictional, cross-county agencies: teleconferences.

Last Amend: 4/24/2023

Status: 7/18/2023-From committee: Do pass as amended. (Ayes 6. Noes 1.) (July 12).

Location: 6/15/2023-A. L. GOV.

Summary: Current law, under the Ralph M. Brown Act, requires that, during a teleconference, at least a quorum of the members of the legislative body participate from locations within the boundaries of the territory over which the local agency exercises jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. Current law, until January 1, 2024, authorizes the legislative body of a local agency to use alternate teleconferencing provisions during a proclaimed state of emergency or in other situations related to public health that exempt a legislative body from the general requirements (emergency provisions) and impose

different requirements for notice, agenda, and public participation, as prescribed. The emergency provisions specify that they do not require a legislative body to provide a physical location from which the public may attend or comment. Current law, until January 1, 2026, authorizes the legislative body of a local agency to use alternative teleconferencing in certain circumstances related to the particular member if at least a quorum of its members participate from a singular physical location that is open to the public and situated within the agency's jurisdiction and other requirements are met, including restrictions on remote participation by a member of the legislative body. These circumstances include if a member shows "just cause," including for a childcare or caregiving need of a relative that requires the member to participate remotely. This bill would expand the circumstances of "just cause" to apply to the situation in which an immunocompromised child, parent, grandparent, or other specified relative requires the member to participate remotely.

Position

Watch

SB 597 (Glazer D) Building standards: rainwater catchment systems.

Last Amend: 6/22/2023

Status: 7/12/2023-July 12 set for first hearing. Placed on APPR. suspense file.

Location: 7/12/2023-A. APPR. SUSPENSE FILE

Summary: Current law makes the California Building Standards Commission responsible for the publication of an updated edition of the California Building Standards Code every 3 years. This bill would require the department to conduct research and develop recommendations regarding building standards for the installation of rainwater catchment systems in newly constructed residential dwellings and would authorize the department to propose related building standards to the commission for consideration, as specified. The bill would authorize the department to expend moneys from the Building Standards Administration Special Revolving Fund for the above-described purposes, upon appropriation by the Legislature, as specified. The bill would require the department, on or before January 1, 2025, to provide a report to specified committees of the Legislature regarding the outcomes of its research and the recommendations developed.

Position

Watch

SB 756 (Laird D) Water: inspection: administrative procedure: notice: service.

Last Amend: 5/15/2023

Status: 7/13/2023-Read second time. Ordered to consent calendar.

Location: 7/12/2023-A. CONSENT CALENDAR

Summary: Current law authorizes the State Water Resources Control Board to investigate all streams, stream systems, lakes, or other bodies of water, take testimony relating to the rights to water or the use of water, and ascertain whether water filed upon or attempted to be appropriated is appropriated under the laws of the state. Current law requires the board to take all appropriate proceedings or actions to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of water in this state. This bill would authorize the board, in conducting an investigation or proceeding for these purposes, to inspect the property or facilities of any person or entity to ascertain certain purposes are being met or compliance with specified requirements. The bill would authorize the board, if consent is denied for an inspection, to obtain an inspection warrant, as specified, or in the event of an emergency affecting public health and safety pertaining to the particular site under which the inspection is being sought, to conduct an inspection without consent or a warrant. The bill would authorize the board to participate in an inspection of an unlicensed cannabis cultivation site, as specified.

Position

Watch

Total Measures: 43

Total Tracking Forms: 43

Memo

G, H

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

TWELVE MONTH CALENDAR / OTHER MEETINGS /

REPORTS / BOARD COMMENTS

Any report will be oral at the time of the Board meeting. Please refer to the TWELVE MONTH Calendar (attached) for meetings attended.

TWELVE MONTH CALENDAR OF EVENTS (AS OF 8/8/23)

Date(s)	Event	Time	Location	Attending Board Member(s)	Additional Information (Speakers' Topic, Cohosts, etc.)
<u>JULY 2023</u>					
26-Jul	Safety Committee Meeting	2:30 PM	OMWD Boardroom	Hahn, Meyers	
28-Jul	SCWC Quaterly Luncheon	12:00 - 2:00 PM	The Crossings Carlsbad 5800 Crossings Drive, Carlsbad	Meyers	
28-Jul	Conference Call with the GM RE: Court case Update and AB 399 Request			Guerin	
30-Jul	Conference Call with the GM RE: Court case Update			Watt	
<u>AUGUST 2023</u>					
1-Aug	Employee Forum			Watt	
2-Aug	Kid's Day		DCMWTP	Watt	
3-Aug	Conference Call RE: SDCWA Board Meeting Comments Public			Meyers	
4-Aug	Policy Conference Call			Guerin, Watt	
8-Aug	Finance Committee Meeting	2:30 PM	OMWD Boardroom	Meyers, Watt	
10-Aug	Meeting with the General Manager RE: CWA Special Meeting			Meyers	
15-Aug	Board Meeting Pre-Briefing	1:30 PM		Guerin	

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

CORRESPONDENCE

Any correspondence is attached.

From [REDACTED] >
Sent: Thursday, July 13, 2023 4:39 PM
To: Teresa Chase <TChase@olivenhain.com>
Subject: Re: Public Tour Pictures

Hi, Teresa,

You are the best, meaning you personally and everyone we interacted with during the tour. From the first moment we communicated everything went smoothly. Please extend our sincerest appreciation for the warm reception we received, the depth of information provided, and for taking the time to do it. The participants are, without exception, glad they went. We all learned a lot and are more appreciative of our shared water resources. Below is a note I received from Karen:

"What a fantastic tour!! It couldn't have been better!!

Not only right on time, but very smart and proud tour guides who made the information understandable and most interesting!! I'm so glad I went!!

Thank you for organizing the trip for us. It was perfect." - Karen

Thank you for the photos! I am sending you a couple as well, in case you would like to share them with staff and your board.





Warmest regards,
Isabel

Board of Directors

Christy Guerin, President
Matthew R. Hahn, Vice President
Neal Meyers, Treasurer
Lawrence A. Watt, Secretary
Marco San Antonio, Director



General Manager
Kimberly A. Thorner, Esq.
General Counsel
Alfred Smith, Esq.

July 26, 2023

The Honorable Tasha Boerner
California State Assembly
Capitol Office
1021 O St. Suite 4150
Sacramento, CA 95814

SUBJECT: Suggested Amendment to AB 399

Dear Assemblymember Boerner:

On behalf of Olivenhain Municipal Water District (OMWD), I am writing to request your consideration of an amendment to AB 399, which you have introduced to update the County Water Authority Act, aka the "Water Ratepayer Protection Act of 2023." OMWD represents the water ratepayers in portions of Encinitas, Carlsbad, San Marcos, Solana Beach, San Diego, 4S Ranch, Fairbanks Ranch, and unincorporated areas of the County.

We believe that if this section of code is going to be amended through AB 399, that an additional amendment to the voting structure that allows the ratepayers across the county a greater voice at the San Diego County Water Authority (SDCWA) would foster fair and equitable ratepayer protection for the entire region. As the SDCWA has seen significant growth and change since its Act was last updated, we feel strongly that state statute should be updated to reflect a more contemporary and equitable governance structure for all SDCWA member agencies.

Specifically, we propose that the voting structure be changed from a weighted vote to a combination majority weighted vote/majority agency vote to ensure that decisions made by the SDCWA Board of Directors are in the best interest the Water Authority, as a whole, and not just the few large agencies.

This change in voting structure at SDCWA would allow all of your constituent member agencies a greater voice at SDCWA. Not only would a SDCWA vote have to have a majority percentage to pass, but also a majority of member agencies would have to vote to pass an item. This would foster more discussion, comprehensive vetting of issues, and collaboration at SDCWA. All voices at the table would be heard and would ensure all actions of SDCWA will equitably benefit the region as a whole.

We would be happy to meet and discuss this proposed amendment with you. My cell phone is (760) 415-6158 if you or any of your staff would like to discuss this issue. Thank you for your consideration.

Very Truly Yours,

A handwritten signature in black ink that reads "Kimberly A. Thorner". The signature is written in a cursive, flowing style.

Kimberly A. Thorner
General Manager





July 12, 2023

Jennifer Joslin - jjoslin@olivenhain.com

Olivenhain Municipal Water District

RE: ACWA JPIA 2023 Wellness Grant

Dear Jennifer,

Congratulations! The 2023 Wellness Grant Application for Olivenhain Municipal Water District has been approved in the amount of \$2000. We will send a check directly to your agency within 30 days of this letter. Please be on the lookout for the check and promptly deposit it upon receipt.

We have made some **important updates** to the guidelines for the proper use and documentation of wellness grant funds. Before spending your grant funds, please read the enclosed guidelines and keep them for future reference.

If you have any questions regarding your grant, please contact me at (916) 474-1773. Thank you for your participation.

A handwritten signature in black ink, appearing to read "JR" or "Jackie Rech".

Jackie Rech
Employee Benefits Specialist

GUIDELINES FOR SPENDING AND DOCUMENTING THE USE OF GRANT FUNDS

- **Starting with the 2023/24 grant year, grant funds may no longer be spent on food or drink.** This includes groceries, restaurants or other food/drink vendors. The only exceptions are as follows:
 - Classes about nutrition and healthy cooking will be allowed. Food purchased for use in the class (i.e. to cook the demonstration meal with or as examples of nutritious food) may be purchased with grant dollars. However, any other food brought into the class (i.e. breakfast or lunch) must be purchased outside of grant dollars.
 - Restaurant/food/grocery gift cards given as a prize for participating in a fitness or weight loss challenge.
- **Gift Cards – New Guidelines**
 - Gift cards should not be the core of your wellness program. They cannot be used as a fitness stipend. They may be used only to supplement a well-rounded wellness campaign.
 - If given as a prize for participating in or winning a fitness or weight loss challenge, then there is no restriction on the type of gift card that may be purchased.
 - If not tied to a fitness or weight loss challenge, then the gift card must be fitness related. Examples include – yoga or other fitness studios or classes, sporting goods stores like Dicks, Big 5 or REI, athletic shoe or fitness apparel stores like Athleta, Adidas, Merrell, Nike, Under Armour, etc.
- **Safety equipment**, services, and training are not considered eligible wellness grant expenses.
- **Teambuilding** events, while worthwhile, are not considered eligible wellness grant expenses.
- **Please save your receipts** for your purchases. Once you have used the funds, submit them to the JPIA at jrech@acwajpia.com. All funds must be used and receipts submitted by **June 24, 2024**.

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: AUTHORIZATION TO ATTEND UPCOMING MEETINGS /
CONFERENCES / SEMINARS

The Board may desire to attend a meeting that requires Board approval.

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: FUTURE AGENDA ITEMS

The Board may have items to be considered at a Future Board meeting.

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: CONSIDER PUBLIC COMMENTS

There may be public comments before the Board meeting is adjourned.

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: CLOSED SESSION

It may be necessary to go into Closed Session.

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: OPEN SESSION

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: ADJOURNMENT

We are adjourned.

POLITICS

Small San Diego Water Buyers Vie to Usurp Big City Power

The city of San Diego is the biggest water purchaser in the region and therefore has the most say on water decisions. Small and rural water districts want to change that.

by [MacKenzie Elmer](#)
7 hours ago



San Diego County Water Authority meeting in Kearny Mesa on July 27, 2023. / Photo by Ariana Drehsler

Some of the region's smaller, rural water buyers are fed up with how the city of San Diego's been throwing its weight around recently and they see an opportunity to change things as the city scurries to stop two other agencies from defecting.

The city is [pushing a bill in the state Legislature](#) that would undo an attempt by two small rural farming communities to divorce from the San Diego County Water Authority. That upset a growing list of smaller and rural water districts that already have less voting power than San Diego in local water decisions.

The bill needs unwavering support from Democrats to pass. There's [already evidence](#) they may not have the votes.

So, some of these water districts from more conservative parts of the region want to make a deal with the bill's author, Assemblymember Tasha Boerner, a Democrat from Encinitas: We'll support your bill, if you give us more voting power over the Water Authority.

Boerner's bill would amend the County Water Authority Act, which created the San Diego County Water Authority in 1944 in response to the U.S. Navy's growing presence there. The bill would require voters across San Diego approve any agency's bid to leave. Since you've cracked that act open, the rural water districts say, let's adjust how votes are weighted at the Water Authority, too.

Right now, it works like this: The biggest water buyers (aka the biggest cities) get the most votes or most appointed directors to the Water Authority's 36-member board. The city of San Diego gets 10 board members, representing nearly 40 percent of the vote, [according to the County Water Authority Act](#).

No other water district comes close to that. The most voting weight by percentage held by any one is Otay Water District at about 6 percent.

The Water Authority voting rules say decisions need a 55 percent majority vote to pass when San Diego is also voting. So that means, as long as San Diego joins forces with a few other water districts, they control the Water Authority.

A good example is when the Water Authority [wanted to build a \\$5 billion parallel pipeline](#) to the Colorado River back in September of 2020. Even though the project wouldn't bring one new drop of water to the region, the region would have control over its main drinking water source – instead of [paying the Los Angeles-based Metropolitan Water District of Southern California](#) to transport it.

Twenty of the agency's 36 directors [said no to the pipeline](#), and 14 said yes including "the city 10" – how local water nerds refer to the city of San Diego.

At the time, Gary Arant, general manager of Valley Center Municipal Water District, argued Water Authority votes should work like Congress – a decision should pass two houses, one weighted by population or property values and another by an equal number of votes per water district.

Arant, with approval from his own board, [sent a letter to Boerner](#) with a similar proposal. Some of his board members were hesitant in supporting the bill at all.

"That's what we're saying your leverage is," Arant said in response. "We'll go along with the legislation if you change the voting structure."

Kim Thorner, general manager of Olivenhain Municipal Water District which serves portions of coastal cities including Encinitas, wrote her own letter to Boerner on July 26 asking the same. James Hickie, president of the Ramona Municipal Water District board, opposed the bill outright in a July 12 letter.

"I urge you to send a strong message to big cities and large agencies who want to dictate what is good for the smaller communities and cities, then turn around and do what is best for themselves without regard for others," Hickie wrote.

Pingback:

[Small San Diego Water Buyers Vie to Usurp Big City Power - Georgelser](#)

August 7, 2023 at 6:43 am