

**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
VIA TELECONFERENCE AND IN PERSON**

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, SEPTEMBER 18, 2024

TIME: 4:00 P.M.

PLACE: HYBRID REGULAR MEETING VIA ZOOM AND IN-PERSON

The meeting is being held virtually as a convenience to the public. The meeting will not stop or suspend its in-person meeting should a technological interruption occur with respect to the Zoom or call-on options listed on the agenda.

For Zoom Participation:

www.zoom.us/join
Meeting ID:819 2276 7621
Passcode: 710367

For Zoom Call-in Only:

Call: (669) 900-9128
Meeting ID: 819 2276 7621
Passcode: 710367

Public Participation/Comment: Members of the public can participate in the meeting by emailing your comments on an agenda item to the Board Secretary at skaufmann@olivenhain.com or address the board directly in real-time under either of the public comment sections. If you do not receive a confirmation email that your comment has been received, please call (760) 632-4648 or address the board under either of the public comment sections to ensure that your comments are heard in real-time. The subject line of your email should clearly state the item number you are commenting on and should include your name and phone number. All comments will be emailed to the Board of Directors.

*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
 - * 2024 CSDA Exceptional Public Outreach & Advocacy Award (Large District Category) - Engage and Influence Program
- 8. CONSIDER APPROVAL OF THE MINUTES OF THE AUGUST 14, 2024, 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; REIMBURSEMENT OF EXPENSES TO BOARD MEMBERS AND STAFF
C-b	CONSIDER APPROVAL OF A CONTRACT WITH TC CONSTRUCTION COMPANY, INC. IN AN AMOUNT NOT TO EXCEED \$200,000 FOR AS-NEEDED AND EMERGENCY ON-CALL GENERAL CONTRACTOR SERVICES FOR FISCAL YEAR 2025 AND AUTHORIZE THE GENERAL MANAGER TO SIGN ON BEHALF OF OMWD
C-c	CONSIDER ADOPTION OF A RESOLUTION MAKING CALIFORNIA ENVIRONMENTAL QUALITY ACT EXEMPTION FINDINGS FOR THE 4S RANCH WATER RECLAMATION FACILITY HEADWORKS SCREENING SYSTEM, OFF-SPECIFICATION AND WET WEATHER DIVERSION, AND STRAINER IMPROVEMENTS PROJECT AND AUTHORIZE A NOTICE OF EXEMPTION BE FILED WITH THE SAN DIEGO COUNTY CLERK AND THE STATE CLEARINGHOUSE AT THE GOVERNOR'S OFFICE OF PLANNING AND RESEARCH

- 10. CONSIDER APPROVAL OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT'S 2024 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 (Article 13 – Policy for District Facilities)
- 11. 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 AND THE STATE CLEARINGHOUSE AT THE GOVERNOR'S OFFICE OF PLANNING AND RESEARCH
- 12. CONSIDER DISCUSSION AND APPROVAL OF PROPOSED ANNUAL REVIEW AND ADJUSTMENTS TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT SHUT-OFF NOTICE FEE, METER TEST FEE, FIRE FLOW TEST FEE, AND METER INSTALLATION FEES AND ADOPT AN ORDINANCE AMENDING OLIVENHAIN MUNICIPAL WATER DISTRICT'S ADMINISTRATIVE AND ETHICS CODE (Article 8 – Water Rate and Charges and Article 13 – Policy for District Facilities)

13. CONSIDER CANCELLING THE WEDNESDAY, NOVEMBER 13, 2024 REGULAR BOARD MEETING AND SCHEDULING A SPECIAL BOARD MEETING ON WEDNESDAY, NOVEMBER 6, 2024 AT 5:00 P.M.
14. CONSIDER ADOPTION OF AN ORDINANCE AMENDING OLIVENHAIN MUNICIPAL WATER DISTRICT'S ADMINISTRATIVE AND ETHICS CODE (Article 9—Rules Relating to Customer Accounts and Section 13.9 – Policy for District Facilities)
15. CONSIDER INFORMATIONAL REPORT ON WATER USE EFFICIENCY REGULATIONS
16. CONSIDER THE FOLLOWING ACTIONS RELATED TO THE SAN DIEGUITO VALLEY GROUNDWATER PROJECT:
 - A. RECEIVE INFORMATIONAL REPORT ON STATUS OF COMMUNITY PROJECT FUNDING GRANT
 - B. INCREASE THE FISCAL YEAR 2025 APPROPRIATION FOR THE SAN DIEGUITO GROUNDWATER DESALINATION PROJECT IN THE AMOUNT OF \$1,100,000
 - C. APPROVE DRAFT PRINCIPLES OF UNDERSTANDING WITH MR PROPCO, LLC, INCLUDING AUTHORIZING AND APPROVING THE GENERAL MANAGER TO NEGOTIATE EASEMENT PURCHASES IN AN AMOUNT NOT TO EXCEED \$65,000
 - D. AUTHORIZE THE GENERAL MANAGER TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH GEOSCIENCES SUPPORT SERVICES, INC. IN THE AMOUNT OF \$1,209,022
 - E. CONSIDER ADOPTION OF A RESOLUTION MAKING CEQA FINDINGS AND ORDERING A NOTICE OF EXEMPTION BE FILED WITH THE SAN DIEGO COUNTY CLERK AND THE STATE CLEARINGHOUSE AT THE GOVERNOR'S OFFICE OF PLANNING AND RESEARCH
17. 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
18. CORRESPONDENCE
19. AUTHORIZATION TO ATTEND UPCOMING MEETINGS / CONFERENCES / SEMINARS
20. FUTURE AGENDA ITEMS
21. CONSIDER PUBLIC COMMENTS

22. CLOSED SESSION

- A) CONSIDER LITIGATION – OLIVENHAIN MUNICIPAL WATER DISTRICT v. COUNTY OF SAN DIEGO [PURSUANT TO GOVERNMENT CODE SECTION 54956.9]
- B) CONSIDER LITIGATION – STANLEY D. JONES ET AL. VS. OLIVENHAIN MUNICIPAL WATER DISTRICT [PURSUANT TO GOVERNMENT CODE SECTION 54956.9]
- C) DISCUSSION OF THE WIEGAND PARCELS [PURSUANT TO GOVERNMENT CODE SECTION 54956.8]
 - PROPERTIES UNDER NEGOTIATION: APN NUMBERS: 257-401-11, 257-401-12
 - NEGOTIATORS: GENERAL MANAGER THORNER AND ASSISTANT GENERAL MANAGER RANDALL
 - UNDER NEGOTIATION: PRICE AND TERMS ON THE ABOVE PARCELS
- D) CONSIDER LITIGATION – CalPERS [PURSUANT TO GOVERNMENT CODE SECTION 54956.9]

23. OPEN SESSION

- 24. AUTHORIZE THE GENERAL MANAGER TO ENTER INTO AMENDMENT NO. 2 TO THE PURCHASE AND SALE AGREEMENT AND ESCROW INSTRUCTIONS FOR THE SALE OF ADDITIONAL SURPLUS LAND (APNs 257-401-11, 257-401-12)
- 25. CONSIDER AND ADOPT A RESOLUTION OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT BOARD OF DIRECTORS APPROVING AMENDMENTS TO AND DELEGATING DUTIES AND RESPONSIBILITIES OVER DISTRICT-SPONSORED RETIREMENT PLANS
- 26. 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: September 18, 2024
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; REIMBURSEMENT OF EXPENSES TO BOARD MEMBERS AND STAFF**

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

- August 2024 Summary of payment of listed warrants from the District's checking account and listed transfer of funds.
- August 2024 Monthly Summary of Reimbursement Expenses to Board Members and Staff.

The District's June and July Financial Statements (typically item C-b) and Monthly Investment Report will be available for review and approval by the Board after the fiscal year 2023/24 financial audit is completed in November 2024. As of the writing of this memo, Finance Staff is currently working on closing fiscal year 2023/24.

Olivenhain Municipal Water District
Proposed Motions for September 18, 2024 Board of Directors Meeting
August 2024 Activities
Consent Calendar Item # C-a

Proposed Motions:

I. That the following warrants and transfers be approved:

Regular Account	Warrants - by check	035793 ✓	to	035921 ✓	\$	1,934,466.76
	Warrants - by EFT	EFT000000001533 ✓	to	EFT000000001616 ✓		972,980.47
						2,907,447.23 ✓
	ACH Payments - Payroll					238,995.29
	Wire - SDCWA - Monthly Purchased Water Payment					3,182,909.90
	ACH Payments - Payroll					236,146.68
	ACH Payments - Payroll					235,838.89
					\$	6,801,337.99

Major Category of Disbursements

Total warrants from the District's checking account: \$ 2,907,447.23 ✓

Following is a breakdown of this total by major categories:

<u>Category</u>	\$
Outside services	1,617,694.06
Inventory and supplies	289,177.84
Utilities	179,031.61
Repairs and maintenance	411,890.43
Other	2,716.60
Refunds	6,978.80
Insurance	399,724.89
Permit Fees	233.00
Total	\$ 2,907,447.23 ✓

Sincerely,

Ray K. Selamat

Ray K. Selamat/Finance Manager

Olivenhain Municipal Water District
Proposed Motions for September 18, 2024 Board of Directors Meeting
August 2024 Activities

California Bank and Trust

Regular Account

Warrants - by check	035793	to	035921	\$	1,934,466.76
Warrants - by EFT	EFT000000001533	to	EFT000000001616		972,980.47
					2,907,447.23
	8/1/2024 ACH Payments - Payroll				238,995.29
	8/15/2024 Wire - SDCWA - Monthly Purchased Water Payment				3,182,909.90
	8/15/2024 ACH Payments - Payroll				236,146.68
	8/29/2024 ACH Payments - Payroll				235,838.89
			Total	\$	6,801,337.99

ACH Payments - Payroll

For Board Consideration and Approval

Olivenhain Municipal Water District
August 2024 Warrant List - Check & EFT

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
035793	8/7/2024	American Messaging	65.98	L1-072035	
035794	8/7/2024	Arlene Stephenson	200.00	REF:1032167_198570	
035795	8/7/2024	AT & T	30.06	9391056562	
035796	8/7/2024	Bay City Electric Works	9,152.04	GENERATOR SERVICES - VARIOUS DISTRICT LOCATIONS	Yes
035797	8/7/2024	Bee Rescue LLC	250.00	3005 CANTERO WAY	
035798	8/7/2024	Boot World Inc	200.00	Safety Boots	Yes
035799	8/7/2024	Brittany Fiebiger	142.54	REF:1091335_192900	
035800	8/7/2024	Canyon Industries	630.00	RMVL & REINSTALL COSTS	Yes
035801	8/7/2024	CCL Contracting Inc.	32,292.02	Unit A RSF Potable Water Pipeline Replacement Project	
035802	8/7/2024	Teresa L Chase	97.80	PUBLIC TOUR EXPENSE REIMB.	Yes
035803	8/7/2024	A1157 Design DBA Cultura	13,932.95	4SWRF Control Room Furniture Replacement/Modification	Yes
035804	8/7/2024	Daniel H Stark	42.79	REF:1056176_190270	
035805	8/7/2024	DXP Enterprises, Inc.	2,181.73	WTP SUPPLIES	
035806	8/7/2024	Edco Waste & Recycling	660.09	25-4A 861816	Yes
035807	8/7/2024	Infosend	7,729.77	WATER BILL STATEMENTS	Yes
035808	8/7/2024	Infrastructure Engineering Corporation	9,339.47	Hydraulic Model/Master Plan	Yes
035809	8/7/2024	Ivan Murguia	275.00	EDUCATION INCENTIVE	
035810	8/7/2024	Joe's Paving Inc	4,819.80	Asphalt Restoration Work	Yes
035811	8/7/2024	Raymond Motas	1,748.34	COMPUTER LOAN PURCHASE REIMB	
035812	8/7/2024	Naumann Hobbs - San Diego	326.11	WTP SERVICES	
035813	8/7/2024	Pacific Pipeline Supply	2,551.50	GATE VALVES (2)	Yes
035814	8/7/2024	Republic Services	2,608.65	4-4530-0333405	
035815	8/7/2024	Republic Services #661	868.07	3-0661-1001776	
035816	8/7/2024	Richard F. Yeager Jr. Db	4,950.00	CATHODIC PROTECTION SUPPORT	Yes
035817	8/7/2024	Rockwell Construction	2,945.00	Construction Mgmt Services PLC Replacement Project (Potable/Recycled)	Yes
035818	8/7/2024	San Diego Cty. Assessor/Recorder/Clerk	125.00	SEWER BILLING -COUNTY TAX ROLL	
035819	8/7/2024	San Diego Gas & Electric	45,113.41	Utilities	Yes
035820	8/7/2024	Southern Contracting	3,646.00	OVERFLOW POND CABLE	
035821	8/7/2024	UniFirst Aid Corp	666.17	FIRST AID SUPPLIES	Yes
035822	8/7/2024	Verizon Connect Fleet USA, LLC	924.85	100000112726	
035823	8/7/2024	VWR International LLC	137.90	WTP SUPPLIES	
035824	8/7/2024	West Yost & Associates, Inc	498.00	Support for Manchester Recycled Water site connections	Yes
035825	8/14/2024	Alaina Aikin	118.79	REF:1083601_194480	
035826	8/14/2024	Alireza Justin Sabouri	129.88	REF:1090922_196055	
035827	8/14/2024	Anne Brantman	107.68	REF:1003651_191400	
035828	8/14/2024	California State Disbursement Unit	123.23	Garnishment	
035829	8/14/2024	Chris Daniell	107.93	REF:1062666_218505	
035830	8/14/2024	Corodata Shredding, Inc	63.87	PAPER DESTRUCTION SERVICES	
035831	8/14/2024	DCL Enterprise Inc Db	29.70	KEYS	Yes
035832	8/14/2024	Elizabeth Thompson	44.73	REF:1062057_191965	
035833	8/14/2024	Encinitas Ford	30.41	PU82 SUPPLIES	Yes
035834	8/14/2024	Esteban Hernandez	99.75	REF:1037815_195915	
035835	8/14/2024	Ferguson Enterprises Inc. #1083	4,426.37	WAX TAPE, PIPE WRAP TAPE	Yes
035836	8/14/2024	First Choice Technology	161.40	13001474	Yes
035837	8/14/2024	Heather Daugherty	81.36	REF:1094184_189975	
035838	8/14/2024	Intergraph Corporation	92,359.68	HEXAGON EAM 24-25 HOSTED SERVICES	Yes
035839	8/14/2024	Interstate Battery Of San Diego Inc	503.64	SUPPLIES	
035840	8/14/2024	Irene Wolfley	63.96	REF:1093592_231460	
035841	8/14/2024	Jennifer Ryan	105.36	REF:1091334_191855	
035842	8/14/2024	Katey Fessinger	125.75	REF:1093621_201620	
035843	8/14/2024	Leonardo Fitness	640.00	WORKOUT CLASS-REIMB W/GRANT	
035844	8/14/2024	Magdalena Doemeny	7.36	REF:1093465_188670	
035845	8/14/2024	Pacific Pipeline Supply	17,283.54	Brass nipples, fitting restraint kits, valve box and lids, valves, ball valves, PVC pipe	Yes
035846	8/14/2024	Paul Zamora	50.00	CONGRATULATIONS FROM THE ERC	
035847	8/14/2024	Rachel Gertsch	1,051.17	REF:1060695_303750	
035848	8/14/2024	Samuel Jensen	68.78	REF:1093550_193075	
035849	8/14/2024	San Diego Building Maintenance	5,396.00	6/24 JANITORIAL SERVICES	
035850	8/14/2024	San Diego Gas & Electric	14,964.76	0097713696641	Yes
035851	8/14/2024	Shane Sullivan	24.00	GYM REIMBURSEMENT	
035852	8/14/2024	TASC	572.37	7/24 VEBA ADMIN FEES	
035853	8/14/2024	The Estate of Sharon McCormick	95.87	REF:1060921_178375	
035854	8/21/2024	AT & T	1,267.75	Utilities	Yes
035855	8/21/2024	Corodata	409.67	OFFSITE RECORD STORAGE	
035856	8/21/2024	County Of San Diego	233.00	SURF CUP SPORTS PARK	Yes
035857	8/21/2024	David Bly	270.46	REF:1003127_146750	
035858	8/21/2024	Fallbrook Printing Corp	442.68	AMI PROJECT POSTCARDS	Yes
035859	8/21/2024	Federal Express Corp	212.79	SHIPPING	
035860	8/21/2024	Golden State Labor	850.00	Labor Compliance for the Recycled Water Pipeline Extension for CB, VP, & SH Project	Yes
035861	8/21/2024	Gabriel Hernandez	24.00	8/24 GYM REIMBURSEMENT	
035862	8/21/2024	Hi-Line Electric Company, Inc.	343.22	SHOP SUPPLIES	
035863	8/21/2024	Home Depot/Geef	6,354.65	7/24 SUPPLIES	
035864	8/21/2024	Infosend	7,850.82	WATER BILL STATEMENTS	
035865	8/21/2024	Ingersoll-Rand Company	8,061.75	4-year Ingersoll Rand PackageCARE Agreement	Yes
035866	8/21/2024	Interstate Battery Of San Diego Inc	588.03	SHOP SUPPLIES	
035867	8/21/2024	Jianhui Ying	220.66	REF:1059015_302520	
035868	8/21/2024	Joe's Paving Inc	1,200.00	EXTRA-RSF & CMNO LOS COCHES	Yes
035869	8/21/2024	KDC Inc. dba	14,370.71	PLC Replacement Project Construction (Potable/Recycled)	Yes
035870	8/21/2024	Vince Dixon Ford dba	870.09	PU66 SUPPLIES	Yes
035871	8/21/2024	Liebert Cassidy Whitmore	6,225.00	7/24 LEGAL SERVICES	
035872	8/21/2024	Napa Auto Parts	120.51	7/24 SUPPLIES	
035873	8/21/2024	SoCal Pacific Construction Corp.dba National Co:	8,055.29	Construction of of DCMWTP Chlorine Generation Room Floor Repair Project (24AGR014)	Yes
035874	8/21/2024	Nicole Durkin	144.12	REF:1009014_206725	
035875	8/21/2024	Pacific Star Chemical, LLC	25,701.23	WTP CHEMICALS	
035876	8/21/2024	PWLC I, INC	20,828.00	LANDSCAPE MAINTENANCE	Yes
035877	8/21/2024	R & R Industries Inc	1,801.68	SAFETY VESTS	
035878	8/21/2024	Republic Services	2,814.75	4-4530-0333405	
035879	8/21/2024	Republic Services #661	4,127.00	Waste disposal services	Yes
035880	8/21/2024	S D G & E	264.85	Utilities	
035881	8/21/2024	San Diego Building Maintenance	5,396.00	7/24 JANITORIAL SERVICES	
035882	8/21/2024	San Diego Gas & Electric	87,123.75	Utilities	Yes
035883	8/21/2024	Santa Fe Irrigation Dist	4,037.89	008128-009, 8/1/2024	Yes
035884	8/21/2024	Sonsray Machinery LLC	223.51	BA08 SUPPLIES	Yes

Olivenhain Municipal Water District
August 2024 Warrant List - Check & EFT

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
035885	8/21/2024	Sunbelt Rentals, Inc.	469.98	ELECTRIC SCISSOR RENTAL - WTP	
035886	8/21/2024	Teichert Energy & Utilities Group, Inc.	275,571.25	Construction of the RW Pipeline Extensions for CB, Village Park & Summerhill	Yes
035887	8/21/2024	Telacu Construction Management	1,515.72	REF:1094865_303790	
035888	8/21/2024	VWR International LLC	169.36	WTP SUPPLIES	
035889	8/21/2024	Zebtron	158,080.00	Del Dios SPS wet well liner repairs	Yes
035890	8/28/2024	AT & T	807.80	Utilities	Yes
035891	8/28/2024	Barrett Engineered Pumps	340.69	WWTP SUPPLIES	
035892	8/28/2024	Boot World Inc	5,463.37	Safety Boots	Yes
035893	8/28/2024	California State Disbursement Unit	123.23	Garnishment	
035894	8/28/2024	CCL Contracting Inc.	125,956.51	Unit A RSF Potable Water Pipeline Replacement Project Construction Services	Yes
035895	8/28/2024	Cielo Holdings, LLC	6.06	REF:1088949_302795	
035896	8/28/2024	City Treasurer	16,475.64	RECLAIMED WATER SALES	
035897	8/28/2024	Craneworks Southwest, Inc	6,612.38	FB74 SERVICES	Yes
035898	8/28/2024	David Wilson	70.22	REF:1093225_156845	
035899	8/28/2024	DXP Enterprises, Inc.	3,293.75	WTP new motor	Yes
035900	8/28/2024	Ferguson Enterprises Inc. #1083	3,137.14	1" Insta-Tite Unions(Low Lead)	Yes
035901	8/28/2024	Grangetto's Ag. Supply	412.57	SUPPLIES	Yes
035902	8/28/2024	Guardian	980.22	9/24 DENTAL ADMIN FEES	
035903	8/28/2024	Interstate Battery Of San Diego Inc	397.30	SHOP SUPPLIES	
035904	8/28/2024	Jimmy Huh	126.07	REF:1093369_206090	
035905	8/28/2024	Lisa Tholen	10.40	REF:1093278_230225	
035906	8/28/2024	Mike Lloyd Excavating Inc	1,748.59	REF:1022597_303315	
035907	8/28/2024	Moises Aguilar	106.39	REF:1091467_103620	
035908	8/28/2024	Network Adjusters, Inc.	10,000.00	CLAIM DEDUCTIBLE	
035909	8/28/2024	Orion Construction Corporation	597,576.52	4S N1SPS Construction Services	Yes
035910	8/28/2024	Pacific Pipeline Supply	2,104.51	Hydrant extensions and Couplings	Yes
035911	8/28/2024	PTS Communications	78.00	760-489-9971	
035912	8/28/2024	PWLC I, INC	550.00	PALO VERDE TREE - HQ COURTYARD	
035913	8/28/2024	San Diego Gas & Electric	1,488.63	Utilities	Yes
035914	8/28/2024	Sunbelt Rentals, Inc.	16.11	PROPANE	
035915	8/28/2024	TASC	702.50	QTR 2 2024 TRUSTEE FEE	Yes
035916	8/28/2024	Teresa Roughen	90.12	REF:1093725_185020	
035917	8/28/2024	Tetra Tech Inc	735.00	Engineering Support PLC Replacement Project (Potable/Recycled)	Yes
035918	8/28/2024	UniFirst Aid Corp	238.02	FIRST AID SUPPLIES	
035919	8/28/2024	US Bank	2,190.51	PRINTERS LEASE	
035920	8/28/2024	Utility Service Co. Inc	218,323.67	QUARTERLY TANK MAINTENANCE	Yes
035921	8/28/2024	William Ramo	76.29	REF:1051481_156755	
EFT000000001533	8/7/2024	Dudek	5,982.50	Wastewater Master Plan update	Yes
EFT000000001534	8/7/2024	Vallejos Water District	40,468.69	RECLAIMED WATER SALES	
EFT000000001535	8/7/2024	Southern Counties Lubricants, LLC.	5,104.17	FUEL SUPPLIES	
EFT000000001536	8/7/2024	Traffic Supply Inc	508.19	TRAFFIC SIGNS	
EFT000000001537	8/7/2024	Hasa	9,582.43	WTP CHEMICALS	
EFT000000001538	8/7/2024	Controlled Entry Specialists	3,286.00	WWTP GATE SAFETY LOOPS	Yes
EFT000000001539	8/7/2024	McMaster-Carr Supply Co.	472.77	WWTP SUPPLIES	
EFT000000001540	8/7/2024	Balboa Engineering Inc.	6,615.00	Preliminary & Final Design Services for VP West PRS Replacement Project	Yes
EFT000000001541	8/7/2024	CyberlinkASP Technology	10,379.60	HOSTING SERVICES	
EFT000000001542	8/7/2024	Traffic Safety Solutions	1,175.00	SIGN BOARD RENTAL	Yes
EFT000000001543	8/7/2024	Rutan & Tucker, LLP	820.00	San Dieguito Groundwater Project Consulting and Legal Support	Yes
EFT000000001544	8/7/2024	Parkhouse Tire Inc	36.00	TIRE DISPOSAL FEE	
EFT000000001545	8/7/2024	GEI Consultants, Inc	201.75	AS NEEDED WATER QUALITY SVCS	
EFT000000001546	8/7/2024	TerraVerde Energy, LLC	500.00	Vehicle Fleet Electrification Feasibility Study & Conceptual Plan Phase 1	Yes
EFT000000001547	8/7/2024	Global Power Group Inc	976.87	MIDPOINT SPS SERVICES	
EFT000000001548	8/7/2024	Samba Holdings Inc	204.29	DRIVER RECORD MONITORING	
EFT000000001549	8/7/2024	Pacific Safety Center	1,395.00	TRENCHING/SHORING CLASS	
EFT000000001550	8/7/2024	Nossaman LLP	14,588.70	6/24 LEGAL SERVICES	Yes
EFT000000001551	8/7/2024	ESS	695.43	KANTECH CARD READER	Yes
EFT000000001552	8/7/2024	Harrington Industrial Plastics Inc	1,289.16	WTP SUPPLIES	
EFT000000001553	8/14/2024	ACWA - JPIA	153,272.95	9/24 GROUP INSURANCE PREM	
EFT000000001554	8/14/2024	TS Industrial Supply	184.92	WTP SUPPLIES	
EFT000000001555	8/14/2024	Peterson Structural Engineers, Inc.	17,167.65	Engineering Services During Construction - Chlorine Gen Room Floor Repair	Yes
EFT000000001556	8/14/2024	DLM Engineering Inc	9,591.62	ENGINEER CONSULTING SERVICES	Yes
EFT000000001557	8/14/2024	Traffic Supply Inc	39.92	STRIPING PAINT - BLACK	
EFT000000001558	8/14/2024	Hasa	5,479.03	WTP CHEMICALS	
EFT000000001559	8/14/2024	Controlled Entry Specialists	1,436.00	WTP - CARDREAD/GOOSENECK RPR	Yes
EFT000000001560	8/14/2024	Evoqua Water Technologies	258.60	WWTP VAPORLINK MONTHLY	
EFT000000001561	8/14/2024	San Elijo Joint Powers Auth.	70,707.00	7/24 37 AC/FT RECYCLED WATER	
EFT000000001562	8/14/2024	Geoscience Support Svcs, Inc.	36,430.00	Consulting Services for San Dieguito Valley Groundwater Desal	Yes
EFT000000001563	8/14/2024	Transnet Investigative Group Inc.	100.00	PRE-EMPLOYMENT BACKGROUND	
EFT000000001564	8/14/2024	Alpha Mechanical, Inc	1,774.00	WTP-ELECTRIC ROOM CNTLR RPLC	
EFT000000001565	8/14/2024	Martin Marietta Materials Inc	185.00	DUMP BOBTAIL	
EFT000000001566	8/14/2024	Rusty Wallis Inc.	4,550.00	WTP CHEMICALS	
EFT000000001567	8/14/2024	USA Blue Book	489.16	SUPPLIES	
EFT000000001568	8/14/2024	Patriot Environmental	3,290.15	20 YD BINS W/LINERS (2)	
EFT000000001569	8/14/2024	Global Power Group Inc	3,162.23	300 GALLONS RED DYED DIESEL	
EFT000000001570	8/14/2024	Raffelis Financial Consultant	21,575.00	2024 Water Cost of Service Study	Yes
EFT000000001571	8/14/2024	Insight Public Sector, Inc.	13,689.83	VARIOUS IT SECURITY SUBSCRIPTIONS	Yes
EFT000000001572	8/14/2024	Konecranes Inc	1,989.47	WTP SERVICES	
EFT000000001573	8/14/2024	Water for People	63.00	WTRPL 8/15/2024	
EFT000000001574	8/20/2024	CyberlinkASP Technology	10,575.52	HOSTING SERVICES AND DATABASE REFRESH	Yes
EFT000000001575	8/21/2024	ACWA - JPIA	234,769.22	7/24-6/25 PROPERTY INSURANCE	
EFT000000001576	8/21/2024	Underground Service Alert	398.50	DIG ALERT TICKETS	
EFT000000001577	8/21/2024	Southern Counties Lubricants, LLC.	5,597.40	FUEL SUPPLIES	
EFT000000001578	8/21/2024	AG Tech Lic	2,443.40	WWTP BIOSOLIDS WASTE DISPOSAL	
EFT000000001579	8/21/2024	Hasa	24,395.36	WWTP CHEMICALS	Yes
EFT000000001580	8/21/2024	Controlled Entry Specialists	210.00	WWTP GATE SERVICE	
EFT000000001581	8/21/2024	Evoqua Water Technologies	630.27	WWTP PREVENT MAINT SERVICES	Yes
EFT000000001582	8/21/2024	McMaster-Carr Supply Co.	219.70	SUPPLIES	
EFT000000001583	8/21/2024	NexusTek Phoenix	3,585.37	CLOUD STORAGE	
EFT000000001584	8/21/2024	Mission Electric Supply, Inc.	663.31	SUPPLIES	
EFT000000001585	8/21/2024	Alpha Mechanical, Inc	7,510.00	HQ Main Server Room AC Replacement (AC-10)	Yes
EFT000000001586	8/21/2024	WREGIS	1.18	RENEW ENERGY	

Olivenhain Municipal Water District
August 2024 Warrant List - Check & EFT

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
EFT000000001587	8/21/2024	E.H. Wachs Company	4,529.02	TC-100-VITALS CONTROLLER	
EFT000000001588	8/21/2024	Ignacio Tool Supply Inc.	105.60	MISC TOOLS	
EFT000000001589	8/21/2024	TerraVerde Energy, LLC	75.00	PSA for Vehicle Fleet Electrification Feasibility Study & Conceptual Plan Phase 1 (24AGR019)	Yes
EFT000000001590	8/21/2024	SCA of CA, LLC	500.00	HQ YARD SWEEPING SERVICES	
EFT000000001591	8/21/2024	Aqua Metric	68,868.02	Annual RNI SAAS fee, Sensus Analytics Annual Fee, Extended Warranties	Yes
EFT000000001592	8/21/2024	Raftelis Financial Consultant	28,758.47	2024 Water Cost of Service Study	
EFT000000001593	8/21/2024	Whitson CM	800.00	7/24 SITE INSPECTIONS	
EFT000000001594	8/21/2024	CDW Government Inc	214.41	WTP SUPPLIES	
EFT000000001595	8/21/2024	Bob Turner's Crane Service Inc	1,120.00	WWTP CRANE SERVICES	
EFT000000001596	8/21/2024	Valley Construction Management	4,055.00	Construction Management Services for the DCMWTP Stage 4 Upgrades	Yes
EFT000000001597	8/21/2024	County of San Diego, RCS	177.00	7/24 RADIO SERVICES	
EFT000000001598	8/21/2024	Integrity Municipal Systems	1,303.00	ODOR CNTL SCRUBBER SYS MAINT	
EFT000000001599	8/28/2024	TS Industrial Supply	570.52	WTP - MISC TOOLS	
EFT000000001600	8/28/2024	Underground Service Alert	1,806.92	CALIFORNIA REGULATORY COSTS	
EFT000000001601	8/28/2024	B. Weber Consulting LLC	4,827.75	IT CONSULTING SERVICES	Yes
EFT000000001602	8/28/2024	Hasa	13,975.74	WTP CHEMICALS	Yes
EFT000000001603	8/28/2024	Fallbrook Printing Corp	6,359.61	8/24 WATCHING WATER	
EFT000000001604	8/28/2024	Woodard & Curran	1,467.50	NSDWRC GRANT ADMIN SUPPORT	Yes
EFT000000001605	8/28/2024	Mission Electric Supply, Inc.	625.02	SUPPLIES	
EFT000000001606	8/28/2024	Industrial Solution Services, Inc.	8,787.56	40% Liquid Ammonium Sulfate Annual Purchase	Yes
EFT000000001607	8/28/2024	EcosConnect LLC	394.00	7/24 BACKFLOW NOTICES	
EFT000000001608	8/28/2024	Be Gone Graffiti	3,350.00	NBHD #3 SPS Services, WTP - INSTALL INTERIOR BLINDS	Yes
EFT000000001609	8/28/2024	Patriot Environmental	3,099.25	POND CLEANING BIN -SOIL/SLUDGE	
EFT000000001610	8/28/2024	Express Services Inc	14,785.98	TEMP LABOR	Yes
EFT000000001611	8/28/2024	Global Power Group Inc	2,844.58	FIRE HOUSE PUMP STATION, MIDPOINT SPS, DEL DIOS SPS, NBHD 3, WWTP PREVENT MAINT SERVICES	Yes
EFT000000001612	8/28/2024	Nossaman LLP	6,750.00	LOBBYING SERVICES	
EFT000000001613	8/28/2024	Valley Construction Management	50,942.00	Construction Management on NBHD 1 SPS , Recycled Water Pipeline Extensions	Yes
EFT000000001614	8/28/2024	ESS	513.00	WWTP GATE ACCESS CNTL ISSUE, HQ SECURITY ALARM	Yes
EFT000000001615	8/28/2024	Harrington Industrial Plastics Inc	596.21	WTP SUPPLIES	
EFT000000001616	8/28/2024	Water for People	63.00	WTRPL 8/29/2024	
			<u>2,907,447.23</u>		

Olivenhain Municipal Water District
Monthly Directors Fee and Reimbursed Expenses for Directors and Staff
August 2024

<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	1,050.00
			0.00	0.00	0.00	0.00	1,050.00
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	1,350.00
			0.00	0.00	0.00	0.00	1,350.00
Director San Antonio			0.00	0.00	0.00	0.00	600.00
			0.00	0.00	0.00	0.00	600.00
Director Watt			0.00	0.00	0.00	0.00	1,350.00
			0.00	0.00	0.00	0.00	1,350.00
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 Bartlett-May			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	

*Includes July and August 2024 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: September 18, 2024
To: Olivenhain Municipal Water District Board of Directors
From: Jesse Bartlett-May, Operations Manager
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER APPROVAL OF A CONTRACT WITH TC CONSTRUCTION COMPANY, INC. IN AN AMOUNT NOT TO EXCEED \$200,000 FOR AS-NEEDED AND EMERGENCY ON-CALL GENERAL CONTRACTOR SERVICES FOR FISCAL YEAR 2025 AND AUTHORIZE THE GENERAL MANAGER TO SIGN ON BEHALF OF OMWD**

Purpose

The purpose of this agenda item is to consider approval of a contract with TC Construction Company, Inc. (TC) in an amount not to exceed \$200,000 for as-needed and emergency on-call general contractor services and authorize the General Manager to sign on behalf of the Olivenhain Municipal Water District (OMWD).

Recommendation

Staff recommends awarding a contract to TC in the amount of \$200,000 for as-needed and emergency on-call general contractor services and authorize the General Manager to sign on behalf of OMWD.

Alternative(s)

The Board may choose not to approve the contract with TC and instead direct staff to re-issue a new Request for Proposals (RFP) for as-needed and emergency on-call general contractor services. The Board may choose not to approve the as-needed and emergency on-call services on a not to exceed basis.

Background

In response to the growing need to respond promptly to emergency situations, a public pre-qualification was conducted to provide as-needed, and emergency on-call general contractor services in 2022. Utilizing this pre-qualification process has allowed staff to only receive proposals from responsive and responsible proposers, preventing potential negative impacts on customers and increased costs to OMWD.

OMWD allows for pre-qualification based on Article 6.3-D. "The General Manager is hereby authorized to prequalify bidders. Bidders may be prequalified on an annual basis or on a project specific basis. Such prequalification shall be consistent with the requirements of the California Public Contract Code."

The pre-qualification process only applied to the as-needed, and emergency on-call general contractor services and did not apply to any other public works projects that the District released for bid. Pre-qualification approval remained valid for two (2) fiscal years from the date of notice of qualification.

These ten contractors submitted pre-qualification applications:

- ATP General Engineering Contractors
- Asphalt & Concrete Enterprises
- Bali Construction
- Cass-Arrieta
- CE Wilson Corporation
- Filanc
- Orion Construction Corporation
- Ortiz Corporation
- Piperin Corporation
- TC Construction Company

Of the ten contractors, nine met the pre-qualification's required and were notified in October 2022 of their qualification status.

Fiscal Impact

Funds sufficient for this project are included in the Fiscal Year (FY) 2025 Water Operations and Construction Departments Operating Budget adopted by the Board in June 2025. Additionally, the cost of this contract will be offset by the reduction in staff wages and benefits due to Construction Department vacancies of one (1) Utility III, one (1) Utility II and two (2) Utility I positions.

Discussion

Throughout this year (2024), OMWD's Construction Department has experienced a higher-than-normal turnover, losing several of its experienced staff members to internal Grow-Your-Own promotions and to neighboring agencies. These vacancies have left a turnover void in the Construction Department which sparked an internal discussion of how best to support OMWD staff. An as-needed contractor would assist in responding to emergency situations and aid in selected on-call projects, allowing staff the ability to continue to provide the level of service OMWD customers have come to expect. The extra support would also allow new staff members the opportunity to receive proper training and gain valuable experience. This as needed and emergency contractor would help bridge the gap caused by reduced staffing and ensure that essential water utility services continue to operate smoothly.

A standard construction bid document was not prepared because "unplanned" work does not allow for plans and specifications to be prepared during real time efforts to address emergency work. Staff prepared and issued a Request for Proposal (RFP) in July 2024, which was reviewed by General Counsel, to select an as-needed and emergency on-call general contractor to assist with repairs within OMWD's service area and at OMWD facilities to address real-time efforts to supplement OMWD crews. The RFP called for a time and materials rate sheet and a leak scenario response statement and was sent to all contractors pre-qualified in the 2022 process.

One (1) proposal was received from TC Construction. Staff reached out to prospective proposers who pre-qualified but did not provide proposals to understand why they could not or chose not to provide a proposal for these services. This on-call contractor is required to respond urgently and no later than twenty-four (24) hours under emergency conditions. One contractor was unable to commit to this response time due to equipment and staffing limitations that prevented them from meeting the needs an emergency may require of them. Another contractor cited missing the deadline of the proposal due to a heavy administrative workload and simply missed the deadline.

Upon approval of this agenda item by the Board, the General Manager will execute a standard OMWD construction contract with TC based on the Time and Materials rate schedule provided for in their proposal, which is attached. Staff has reviewed the proposal and qualifications and recommends TC as the most responsive and responsible proposer and recommends awarding a contract to TC in an amount not to exceed \$200,000 and authorize the General Manager to sign on behalf of OMWD.

Staff is available to answer questions.

Attachment:

TC Construction Company Time and Materials Rate Schedule

EXHIBIT B
TIME AND MATERIALS RATE SCHEDULE
FY 25 Pricing Schedule

ITEM	DESCRIPTION	UNIT	HOURLY RATE	OVERTIME RATE
PART 1	Construction Labor			
a.	Superintendent / Foreman	Hour	\$ 195.00	\$ 285.00
b.	Equipment Operator	Hour	\$ 130.00	\$ 210.00
c.	Laborer / Utility Worker	Hour	\$ 95.00	\$ 140.00
d.	Other			
PART 2	Equipment			
a.	Crew / Service Truck	Daily	\$ 480.00	
b.	Backhoe	Daily	\$ 1000.00	
c.	Excavator	Daily	\$ 1440.00	
d.	5 yd Dump Truck	Daily	\$ 1120.00	
e.	10 yd Dump Truck	Daily	\$ 1280.00	
f.	Skidsteer	Daily	\$ 880.00	
g.	Sweeper Attachment	Daily	\$ 240.00	
h.	Breaker Attachment	Daily	\$ 240.00	
i.	Discharge Pump	Daily	\$ 160.00	
j.	Steel Plates / Shoring	Daily	\$ 580.00	
k.	Flatbed Truck	Daily	\$ 640.00	
l.	Traffic Cones, Barricades, Signs	Daily	\$ 1,000.00	
j.	Other			
PART 3	Mobilization and Demobilization			
a.	Mobilization and Demobilization	L.S.	\$ 12,000.00	
b.	Other			
PART 4	Administrative Markup			
a.	Administrative Markup	L.S.	\$ 40,000.00	
b.	Other			

Memo

Date: September 18, 2024
To: Olivenhain Municipal Water District Board of Directors
From: Andrea Scott, Engineering Technician III
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER ADOPTION OF A RESOLUTION MAKING CALIFORNIA ENVIRONMENTAL QUALITY ACT EXEMPTION FINDINGS FOR THE 4S RANCH WATER RECLAMATION FACILITY (4S WRF) HEADWORKS SCREENING SYSTEM, OFF-SPECIFICATION AND WET WEATHER DIVERSION, AND STRAINER IMPROVEMENTS PROJECT AND AUTHORIZE A NOTICE OF EXEMPTION BE FILED WITH THE SAN DIEGO COUNTY CLERK AND THE STATE CLEARINGHOUSE AT THE GOVERNOR’S OFFICE OF PLANNING AND RESEARCH**

Purpose

The purpose of this agenda item is to consider adoption of a resolution making California Environmental Quality Act (CEQA) exemption findings for the 4S Ranch Water Reclamation Facility (4S WRF) Headworks Screening System, Off-Specification and Wet Weather Diversion, and Strainer Improvements Project (Project) and authorize a Notice of Exemption (NOE) to be filed with the San Diego County Clerk and the State Clearinghouse at the Governor’s Office of Planning and Research (OPR). This item supports calendar year 2024 Annual Goal 2, Objective 13 to complete the design of headworks rehabilitation at 4S WRF.

Recommendation

Staff recommends adoption of the proposed Resolution which makes CEQA findings for declaration of the Project as an exempt project under CEQA Guidelines Section 15301(b),

which allows for categorical exemptions for the repair and minor alteration of existing facilities involving no or negligible expansion of existing use and CEQA Guidelines Section 15302(c) which allows categorical exemption for the replacement or reconstruction of existing utility facilities where the new structure will be located on the same site and involves none or negligible expansion of capacity. Staff also recommends authorizing a NOE to be filed for the Project with the County Clerk of San Diego per CEQA Guidelines Section 15062 and with the State Clearinghouse at the Governor's OPR.

Alternative(s)

The Board could elect to:

- Adopt the resolution and direct staff to not file the NOE which would increase the Statute of Limitations for filing protests against the Project from 35 days to 180 days;
- Determine that CEQA is not required for the Project and not adopt the Resolution; or
- Proceed in a manner as otherwise directed by the Board.

Background

OMWD owns and operates the 4S WRF, located in Director Division 4 (Hahn). The headworks of the 4S WRF serves as the primary treatment process and receives raw wastewater from the surrounding collection systems and provides physical screening of the influent, removing large solids prior to additional treatment downstream. The existing headworks screening equipment includes one mechanical screen and one coarse screen for maintenance. The existing headworks equipment was installed in 2005, has been in continuous service since that time in a corrosive environment, and has reached the end of its service life. The 2015 Capital Improvement Plan for 4S Ranch and Rancho Cielo Wastewater Systems identified the existing screening equipment as in poor condition due to corrosion and recommended replacement with redundant mechanical screens. To continue providing high quality recycled water in support of regional water conservation efforts, staff proposes to replace the existing screening equipment with redundant units.

During the design phase, OMWD identified opportunities to integrate other ongoing plant efforts to replace the existing strainer and divert off-specification water and high flow during wet weather events. These include installing a new waterline to provide dilution capabilities, incorporating temporary pumping capacity to divert off-specification or wet weather flows, and replacing the existing pond strainer with an automatic self-clearing

system. These updates are classified as minor alterations and replacements under CEQA, involving no expansion of existing facilities.

Fiscal Impact

The proposed work is included in the Board approved FYs 25 and 26 budget under the Headworks Screening System (D700025) and Strainer Project (D700023) and Off-Specification/Wet Weather Diversion Pipe (D700050). There is a \$50 fee for filing the NOE with the San Diego County Clerk.

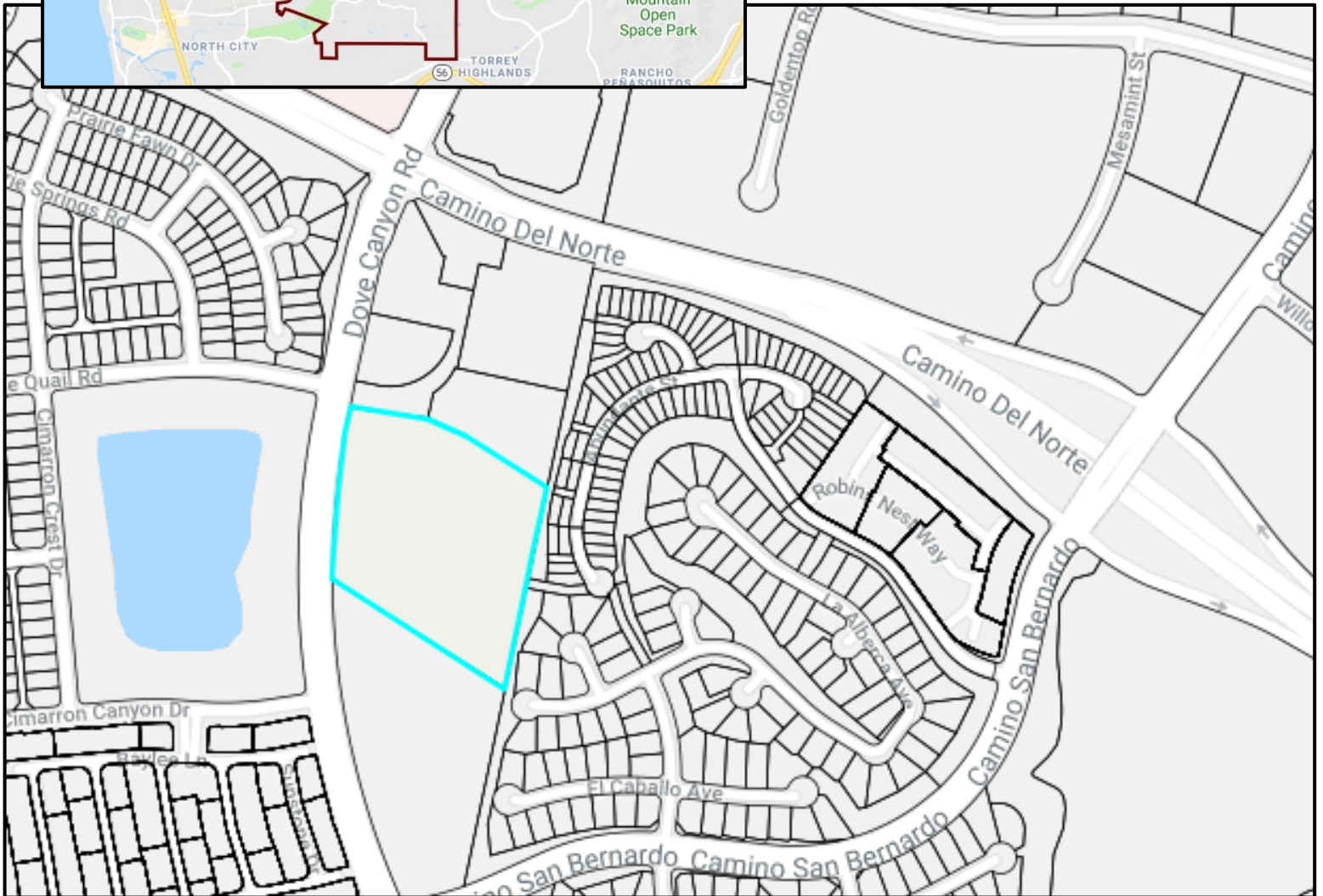
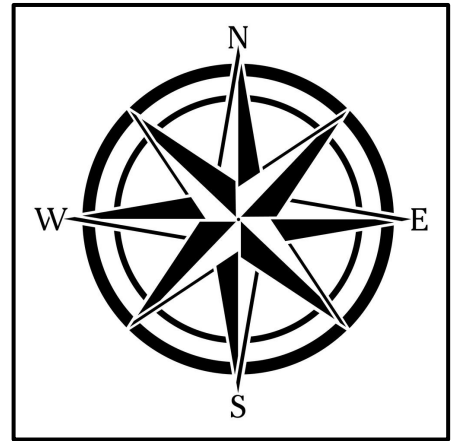
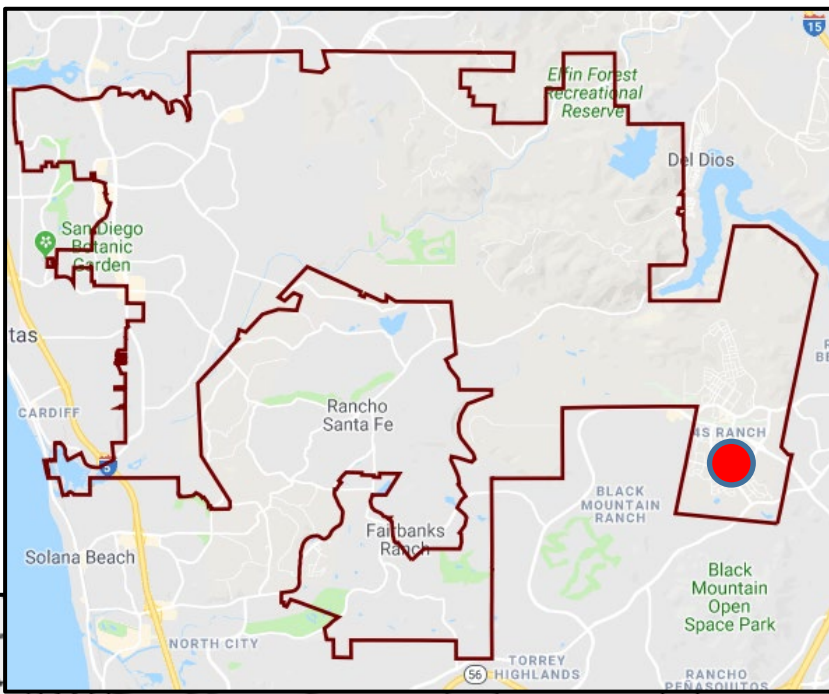
Discussion

Staff reviewed the Project and determined the project is a Categorically Exempt project under CEQA guidelines. CEQA Guidelines Section 15301(b) and 15302(c) allows for categorical exemptions for repair and replacement, respectively, of existing facilities involving negligible or no expansion of existing use or capacity. Staff recommends adoption of the proposed Resolution and to authorize staff to file a NOE with the County Clerk of San Diego and with the State Clearinghouse at the Governor's OPR.

Following final design and successful public bid, the Project will be returned to the Board for its consideration to award a construction contract for the Project.

Staff is available to answer any questions.

Attachment(s):
Project Site Map
Resolution
NOE



**4S WRF
HEADWORKS SCREENING SYSTEM, OFF-SPECIFICATION AND WET
WEATHER DIVERSION, AND STRAINER IMPORVEMENTS PROJECT**

DISTRICT PROJECT NOS. D700025, D700023, D700050

RESOLUTION NO. 2024-XX

RESOLUTION OF THE BOARD OF DIRECTORS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT MAKING CALIFORNIA ENVIRONMENTAL QUALITY ACT FINDINGS FOR THE 4S RANCH WRF HEADWORKS SCREENING SYSTEM, OFF-SPECIFICATION AND WET WEATHER DIVERSION, AND STRAINER IMPROVEMENTS PROJECT AND AUTHORIZING A NOTICE OF EXEMPTION FILED WITH THE COUNTY CLERK, COUNTY OF SAN DIEGO

WHEREAS the Olivenhain Municipal Water District, is a water agency organized and operating pursuant to California Water Code Sections 71000 et seq; and

WHEREAS the Olivenhain Municipal Water District owns and operates the 4S Ranch Water Reclamation Facility (4S WRF) located at 16595 Dove Canyon Road within the City of San Diego, State of California; and

WHEREAS, the 4S Ranch Water Reclamation Facility (4S WRF) Headworks Screening System, Off-Specification and Wet Weather Diversion, and Strainer Improvements Project (Project) specifically consists of the replacement of existing screening equipment, replacement of strainer, and replacement of electrical and instrumentation controls, and other improvements, all on the same site as the current 4S Ranch Water Reclamation Facility; and

WHEREAS, the Project does not expand capacity of 4S Ranch Water Reclamation Facility and the requirement for the replacement is not the result of an environmental hazard such as earthquake, landslide or flood; and

WHEREAS, pursuant to the CEQA Guidelines, the Olivenhain Municipal Water District Board of Directors has caused to be prepared a Notice of Exemption according to CEQA Guidelines Section 15062, stating that the project is exempt according to CEQA Guidelines 15301 (b) and 15302(c); and

NOW, THEREFORE, the Board of Directors of the Olivenhain Municipal Water District does hereby find, determine, resolve and authorize as follows:

SECTION 1: The foregoing facts are found and determined to be true and correct.

SECTION 2: In accordance with the California Environmental Quality Act Guidelines Section 15061, the Board of Directors hereby finds and determines that the Project is exempt from CEQA for the following reasons:

- 1) State CEQA Guidelines §15301(b) (Existing Facilities) allows for the repair and maintenance of existing public structures and facilities involving negligible or no expansion of use.
- 2) State CEQA Guidelines §15302(c) (Replacement or Reconstruction) allows for projects consisting of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure

replaced and will have substantially the same purpose and capacity as the structure replaced. The proposed project was reviewed for potential exemptions and was found to satisfy the standards of Class 2, as specified within Article 19 Categorical Exemptions of the CEQA Guidelines.

SECTION 3: The Board of Directors of the Olivenhain Municipal Water District hereby authorize District Staff to file a Notice of Exemption with the County Clerk of the County of San Diego stating that the Project is exempt from CEQA in accordance CEQA Guidelines Section 15301 (b) and 15302(c).

PASSED, ADOPTED AND APPROVED at a regular meeting of the Board of Directors of Olivenhain Municipal Water District held on Wednesday, September 18, 2024.

Christy Guerin, President
Board of Directors
Olivenhain Municipal Water District

ATTEST:

Larry Watt, Secretary
Board of Directors
Olivenhain Municipal Water District

Notice of Exemption

Appendix E

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

From: (Public Agency): Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024

(Address)

County Clerk
County of: San Diego
1600 Pacific Highway
San Diego, CA 92101

Project Title: 4S Ranch Water Reclamation Facility (4S WRF) Headworks Screening System, Off-Specification and Wet Weather Diversion, and Strainer Improvements Project

Project Applicant: Olivenhain Municipal Water District

Project Location - Specific:

4S Ranch Water Reclamation Facility at 16595 Dove Canyon Road, San Diego, CA 92127

Project Location - City: San Diego Project Location - County: San Diego

Description of Nature, Purpose and Beneficiaries of Project:

The pressure reducing stations are a Class 2 facility at the end of its service life. The project does not result in an expansion of existing use, will be located on the same site, and will have the same purpose as the structure replaced.

Name of Public Agency Approving Project: Olivenhain Municipal Water District

Name of Person or Agency Carrying Out Project: Olivenhain Municipal Water District

Exempt Status: **(check one):**

- Ministerial (Sec. 21080(b)(1); 15268)
- Declared Emergency (Sec. 21080(b)(3); 15269(a))
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- Categorical Exemption. State Type and section number: 15301(b) and 15302(c)
- Statutory Exemptions. State code number: _____

Reasons why project is exempt:

State CEQA Guidelines §15301(b) (Existing Facilities) allows for the repair and maintenance of existing public structures and facilities involving negligible or no expansion of use.

State CEQA Guidelines §15302 (Replacement or Reconstruction) allows for projects consisting of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced. The proposed project was reviewed for potential exemptions and was found to satisfy the standards of Class 2, as specified within Article 19 Categorical Exemptions of the CEQA Guidelines.

Lead Agency

Contact Person: Steven Weddle Area Code/Telephone/Extension: (760) 632-4221

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project? Yes No

Signature: _____ Date: _____ Title: General Manager

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: Reference:

Memo

Date: September 18, 2024
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 2024 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 (Article 13 – Policy for District Facilities)**

Purpose

The purpose of this agenda item is to request Board approval of the proposed 2024 water capacity fee as recommended for phase two of the five-year phase-in program in the attached 2023 Water Capacity Fee Study (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 2024 to be effective November 18, 2024.

Recommendation

Staff recommends that the Board consider approval of the 2024 OMWD Water Capacity Fees by Zone (phase two of the five-year phase-in included in the Report).

The existing and proposed fees for a ¾” meter are as follows:

Comparison (¾ inch meter)	Current Fee	Proposed Adjustment	Proposed Fee (eff. 11/18/24)	\$ Difference
Zone A	\$ 17,254	7% + 1.2% ENR Adj.*	\$ 18,603	\$ 1,349
Zone B	\$ 11,778	1.8% + 1.2% ENR Adj.	\$ 12,130	\$ 352
Zone C	\$ 12,232	3.8% + 1.2% ENR Adj.	\$ 12,831	\$ 599
Zone D	\$ 24,665	1.2% ENR Adj.	\$ 24,960	\$ 295
Zone E	\$ 12,476	4.4% + 1.2% ENR Adj.	\$ 13,157	\$ 681

*ENR Adjustment is based on an increase of 1.2% using the Engineering News-Record Construction Cost Index for Los Angeles from June 2023 to June 2024

Alternatives

The Board may decide not to adopt the proposed increases to OMWD’s water capacity fees as recommended in the Report and instruct staff to do otherwise. Delaying increases to the District’s capacity fees will increase the burden on existing water users for capital costs of replacing and refurbishing the District’s water infrastructure.

Background

A capacity fee is a one-time fee assessed by the District to new users to pay for their share of costs to construct required facilities to provide services to their respective area (zone of benefit). Revenues generated from capacity fees are used by the District to reimburse existing rate payers (through lower rates and charges) for existing water infrastructure in the District and to pay for facilities included in the District’s water capital improvement program included in its ten-year planned capital expenditures.

In accordance with Article 13 (Policy for District Facilities), the District evaluates capacity fees on an annual basis to determine if appropriate funds are being collected to fund necessary capital expansion, replacement, and betterment projects. The District’s assets are divided into five zones of benefit for current assets and capital expansion projects and capacity fees are collected by Zone of Benefit.

In 2023, Raftelis Financial Consultants completed the District’s 2023 Water Capacity Fee Study to: 1) ensure the District’s current capacity fees are adequate in keeping up with rising cost increases in construction and 2) ensure that the District’s capacity fees are equitable across all zones of benefit. The attached Report includes details of the methodology and calculations used to determine the water capacity fees using the

capacity buy-in method for the different zones of benefit.

A public hearing was held on August 14, 2024, to receive and consider public comments regarding the proposed increases. Notification of the public hearing was posted in the San Diego Union Tribune on August 2nd and August 9th and on the District's website. A notice of the public hearing was also sent to the Building Industry Association on July 19th, 2024. There were no oral or written comments received regarding the proposed water capacity fee increases at the hearing.

The results of the study were presented and discussed with the Board last year and a five-year phase in and ENR-CCI adjustment was selected by the Board at the May 2023 meeting. Due to the significant changes to the capacity fees in Zone A, C and E, the Board decided to phase in the increases over five years to help mitigate the impacts to new users while continuing to use the ENR-CCI adjustment for an annual inflationary adjustment for consistency with Article 13 of the District's Administrative and Ethics Code.

Fiscal Impact

The District is currently estimated at 95% build-out with about 1,136 Equivalent Dwelling Units (EDUs) remaining until complete build-out in 2050. Not increasing the capacity fees as recommended in the Report would result in a total estimated revenue loss of approximately \$2.9 million until build-out.

Discussion

The last adjustments to the District Water Capacity Fees by Zone were adopted by the Board in August 2023, after completion of the 2023 Water Capacity Fee Study (phase one of the five-year phase-in program). The purpose of this year's update to the District's water capacity fees is to implement phase two of the five-year phase-in program included in the Report.

A copy of the 2023 Water Capacity Fee Report prepared by Raftelis Financial Consultants is attached. Staff will be available to answer any questions.

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 18th day of September 2024.

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 ADMINISTRATIVE AND ETHICS CODE	Article No. 13	Page 15 of 31
	TITLE: POLICY FOR DISTRICT FACILITIES	
	Latest Revision Date October <u>September</u> 18, 202 4 <u>3</u>	Ordinance No. 511XXX

ARTICLE 13. POLICY FOR DISTRICT FACILITIES

and recommend any adjustment to the capacity fee or other action as may be necessary.

Sec. 13.11.A revised by Ordinance No. XXX / September 18, 2024

- Sec. 13.11.A revised by Ordinance No. 510 / August 16, 2023*
- Sec. 13.11.A, B, C, D, E revised by Ordinance No. 504 / October 19, 2022*
- Sec. 13.11.A revised by Ordinance No. 491 / August 18, 2021*
- Sec. 13.11.A revised by Ordinance No. 466 / September 18, 2019*
- 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	\$ <u>13,02312,078</u>
3/4"	1.0	\$ <u>18,60317,254</u>
1"	1.9	\$ <u>35,34832,784</u>

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ARTICLE 13. POLICY FOR DISTRICT FACILITIES

1-1/2"	3.1	\$ <u>57,67553,492</u>
2"	5.0	\$ <u>93,02986,284</u>
3"	10.2	\$ <u>189,780176,045</u>
4"	17.1	\$ <u>318,160295,083</u>
6"	36.0	\$ <u>669,817621,233</u>
8"	65.0	\$ <u>1,209,3951,121,674</u>

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	\$ <u>8,4908,244</u>
3/4"	1.0	\$ <u>12,13041,778</u>
1"	1.9	\$ <u>23,05022,384</u>
1-1/2"	3.1	\$ <u>37,61136,520</u>
2"	5.0	\$ <u>60,66558,905</u>
3"	10.2	\$ <u>123,761120,469</u>
4"	17.1	\$ <u>207,484201,462</u>
6"	36.0	\$ <u>436,811424,133</u>
8"	65.0	\$ <u>788,689765,797</u>

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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 C

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ <u>8,9808,561</u>
3/4"	1.0	\$ <u>12,83142,232</u>
1"	1.9	\$ <u>24,38623,246</u>
1-1/2"	3.1	\$ <u>39,78837,928</u>
2"	5.0	\$ <u>64,17761,177</u>
3"	10.2	\$ <u>130,927124,806</u>
4"	17.1	\$ <u>219,497209,235</u>
6"	36.0	\$ <u>462,102440,497</u>
8"	65.0	\$ <u>834,353795,343</u>

Sec 13.11. Capacity Fee and Installation Charges.

A. Capacity Fees by Zone. *continued*

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ARTICLE 13. POLICY FOR DISTRICT FACILITIES

ZONE D

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ 17,470 <u>17,263</u>
3/4"	1.0	\$ 24,960 <u>24,665</u>
1"	1.9	\$ 47,426 <u>46,864</u>
1-1/2"	3.1	\$ 77,382 <u>76,465</u>
2"	5.0	\$ 124,812 <u>123,333</u>
3"	10.2	\$ 254,618 <u>251,599</u>
4"	17.1	\$ 426,862 <u>421,801</u>
6"	36.0	\$ 898,662 <u>888,006</u>
8"	65.0	\$ 1,622,586 <u>1,603,346</u>

Sec 13.11. Capacity Fee and Installation Charges.

A. Capacity Fees by Zone. *continued*

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

Z O N E E

Meter Size	Equivalent EDUs	Base Capacity Fee
5/8"	0.7	\$ 9,2108,733
3/4"	1.0	\$ 13,15712,476
1"	1.9	\$ 25,00323,708
1-1/2"	3.1	\$ 40,79738,683
2"	5.0	\$ 65,80362,394
3"	10.2	\$ 134,244127,288
4"	17.1	\$ 225,060213,398
6"	36.0	\$ 473,812449,260
8"	65.0	\$ 855,497811,166

NOTES:

¹ Supplemental Capacity Fee Charges

Volume Charge - Base capacity fee includes a base volume usage of 555 gallons per day per EDU. If anticipated usage will exceed this base volume, the base capacity fee will increase in the ratio of anticipated volume over base volume.

- Sec. 13.11 (B) revised by Ordinance No. 511 / October 18, 2023*
- Sec. 13.11 (B) revised by Ordinance No. 468 / Oct. 16, 2019*
- Sec. 13.11 (B) revised by Ordinance No. 458 / July 25, 2018*
- Sec. 13.11 (B) revised by Ordinance No. 442 / July 20, 2016*
- Sec. 13.11 (B) revised by Ordinance No. 389 / July 27, 2011*
- Sec. 13.11 (B) revised by Ordinance No. 381 / August 11, 2010*
- Sec. 13.11 (B) revised by Ordinance No. 349/ June 27, 2007*
- Sec. 13.11 (B) revised by Ordinance No. 331 / June 9, 2006*
- Sec. 13.11 (B) revised by Ordinance No. 324 / Nov. 16, 2005*
- Sec. 13.11 (B) revised by Ordinance No. 320 / July 27, 2005*
- Sec. 13.11(B) revised by Ordinance No. 319 / June 22, 2005*

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 New-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.

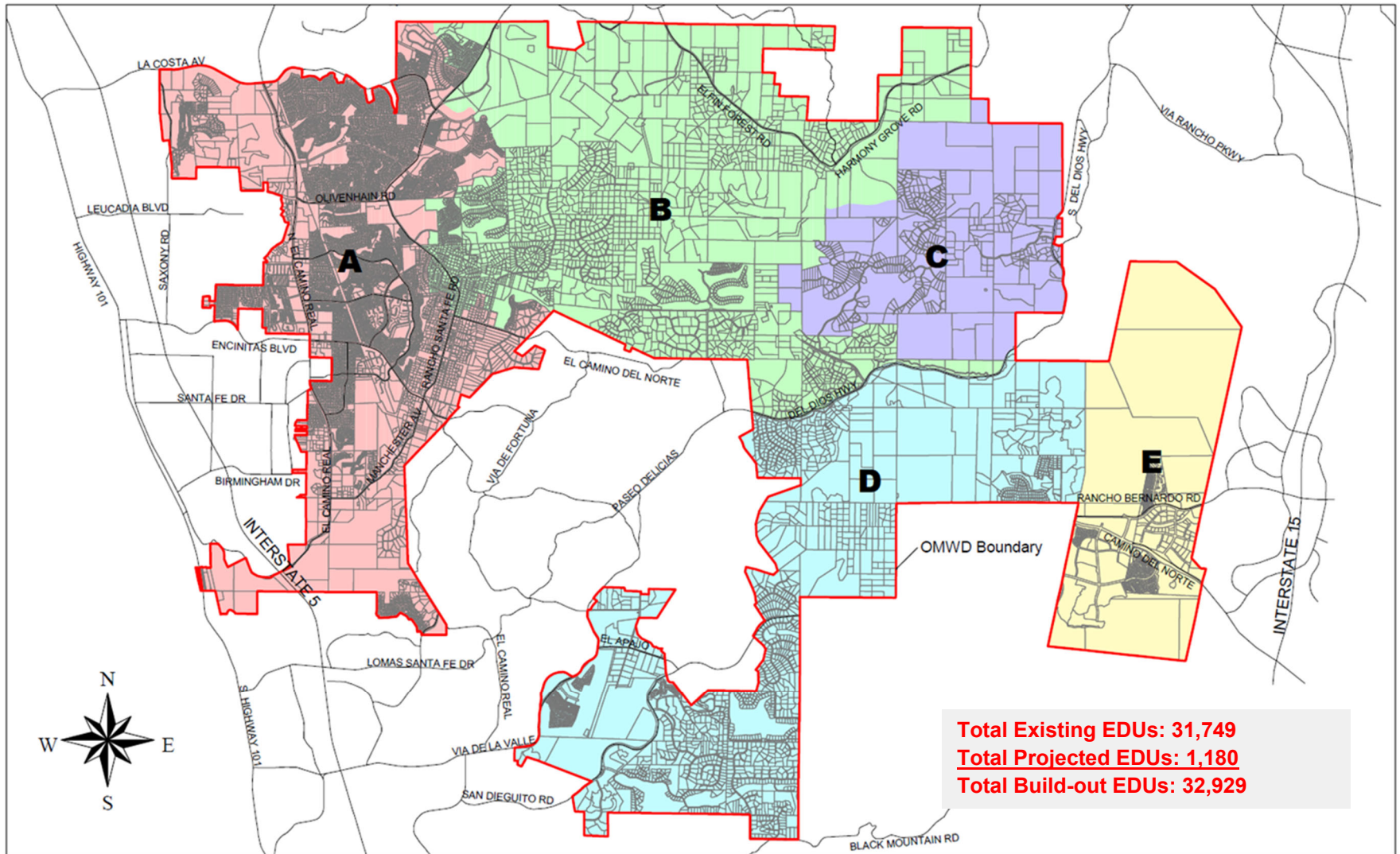
1.2. Current Water Capacity Fees

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
¾ 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

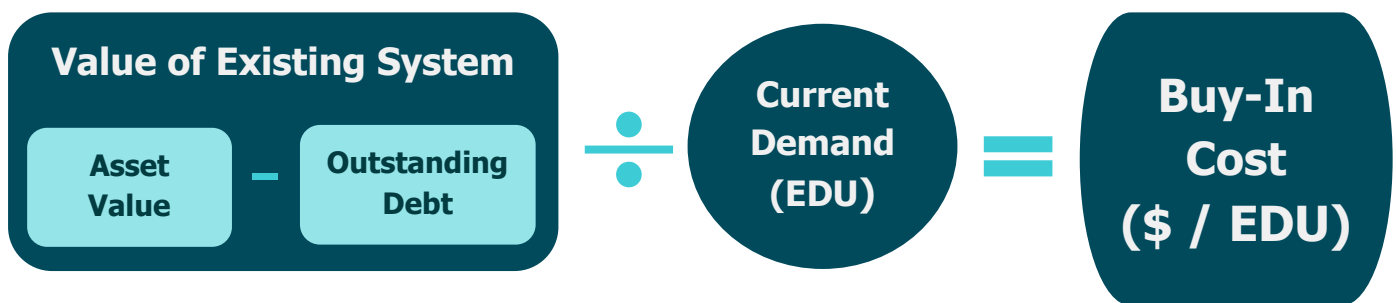
There are several methodologies for calculating capacity fees. The various approaches have largely evolved on the basis of changing public policy, legal requirements, and the unique and special circumstances of every local agency. However, there are two general approaches that are widely accepted and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

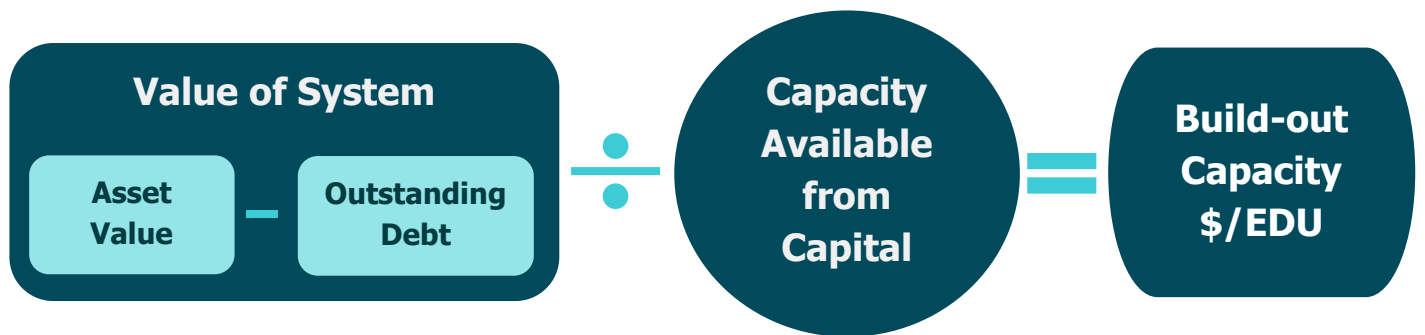


As shown, the value of the system typically includes asset value less any outstanding debt principal. Likewise, debt obligations are secured by the value of the system and used to pay for the assets of the system. Once the value of the existing system is determined, this is divided by the current demand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

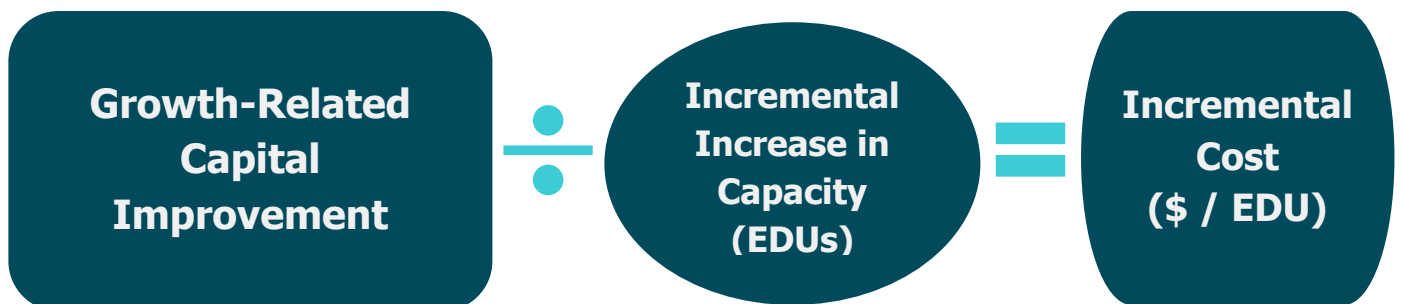


2.1.3. INCREMENTAL COST APPROACH

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

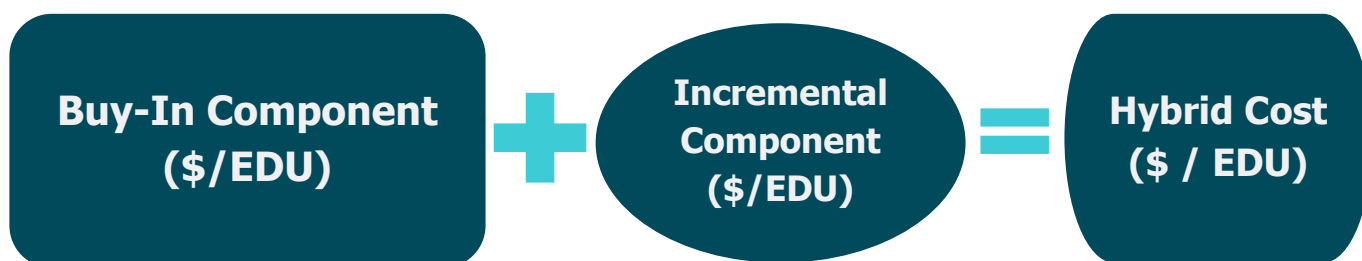


2.1.4. HYBRID APPROACH

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

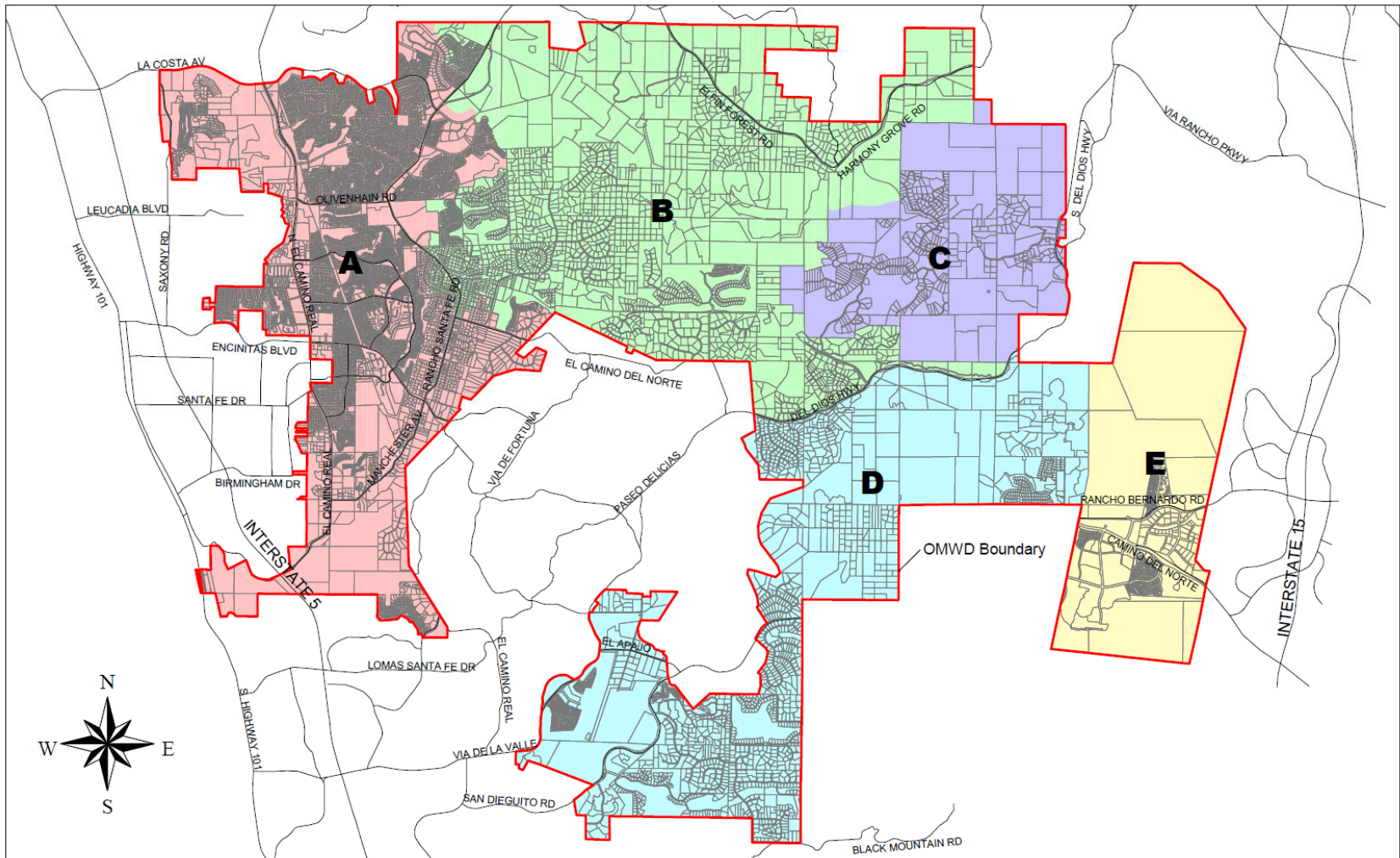
There are significant changes to the capacity fees in Zones A, C, and E. To mitigate the impacts to new customers, the District Board has decided to phase in the increases over five years as shown in **Table 3-9**.

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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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 C/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 Capital Fee Assets Valuation

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

Appendix B: Water Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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 Capacital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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/FIELD EQUIP	LINE LOCATING EQUIPMENT	\$6,911	\$2,764	\$7,732	\$3,093	\$4,639	
297874	SHOP/FIELD EQUIP	CANYCOM BFP 602HB POWERED WHEELBARROW	\$7,540	\$3,232	\$8,397	\$3,599	\$4,798	
297876	SHOP/FIELD EQUIP	TIRE WHEEL BALANCER	\$6,196	\$2,655	\$6,899	\$2,957	\$3,942	
297877	SHOP/FIELD EQUIP	LINE LOCATING EQUIPMENT	\$5,920	\$3,552	\$6,592	\$3,955	\$2,637	
820528	SHOP/FIELD EQUIP	SC200 CONTROLLER (WTP)	\$2,191	\$876	\$2,475	\$990	\$1,485	
820529	SHOP/FIELD EQUIP	TU5400 TURBIDMETER (WTP)	\$7,158	\$2,863	\$8,086	\$3,234	\$4,852	
820530	SHOP/FIELD EQUIP	TU5400 TURBIDITY ANALYZER (WTP)	\$7,278	\$2,911	\$8,222	\$3,289	\$4,933	
820531	SHOP/FIELD EQUIP	DEPOLOX FREE CL2 ANALYZER (WTP)	\$6,070	\$2,428	\$6,857	\$2,743	\$4,114	
820532	SHOP/FIELD EQUIP	GANTRY CRANE 4,000 LB (WTP)	\$7,498	\$2,999	\$8,470	\$3,388	\$5,082	
820533	SHOP/FIELD EQUIP	FALL RETRIEVAL SYSTEM (WTP)	\$9,735	\$2,596	\$10,998	\$2,933	\$8,065	
8205034	SHOP/FIELD EQUIP	CANDLE ASSEMBLY (WTP)	\$24,996	\$6,666	\$28,237	\$7,530	\$20,707	
820520	SHOP/FIELD EQUIP	WTP CONDUCTIVITY PROBE/CONTROLLER	\$5,080	\$2,540	\$5,889	\$2,944	\$2,944	
820468	SHOP/FIELD EQUIP	ELECTRICAL INSTALLATION	\$9,098	\$5,459	\$11,008	\$6,605	\$4,403	
820492	SHOP/FIELD EQUIP	SURVEILLANCE SYSTEM UPGRADES	\$40,912	\$24,547	\$49,501	\$29,700	\$19,800	
208242	SHOP/FIELD EQUIP	4000A Reconditioned Breaker	\$15,485	\$7,226	\$19,021	\$8,876	\$10,144	
208243	SHOP/FIELD EQUIP	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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	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	13,300,000	\$2,340,000	\$17,016,778	\$3,063,020	\$13,953,758
297657	CNT PIPELINES	Olivehain 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	Brdiges @ 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	\$72,675	\$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	\$167,778	\$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		Replacement Cost Less Depreciation
				OC Depreciation	RC Depreciation	
237626	CNT PIPELINES	4S Lots 14 - 17	20,000	\$9,500	\$35,818	\$18,804
227620	CNT PIPELINES	Arroyo La Costa - E	204,200	\$102,100	\$372,076	\$186,038
227621	CNT PIPELINES	Sandalwood - Ps	417,000	\$208,500	\$759,821	\$379,911
227619	CNT PIPELINES	Groves li	78,000	\$39,000	\$142,125	\$71,062
217602	CNT PIPELINES	Arroyo La Costa #3	463,000	\$243,075	\$864,164	\$453,686
217604	CNT PIPELINES	Arroyo La Costa I	376,000	\$197,400	\$701,783	\$368,436
217606	CNT PIPELINES	Leucadia Highlands	93,000	\$48,825	\$173,579	\$91,129
217612	CNT PIPELINES	Sage Canyon	97,000	\$50,925	\$181,045	\$95,049
217616	CNT PIPELINES	Arroyo La Costa #C	118,000	\$61,950	\$220,241	\$115,626
217603	CNT PIPELINES	Lone Jack Rd Imprvmt	9,000	\$4,725	\$16,798	\$8,819
217607	CNT PIPELINES	Kinghtsbridge	344,500	\$180,863	\$642,990	\$337,570
217611	CNT PIPELINES	Crestview	92,000	\$48,300	\$171,713	\$90,149
217613	CNT PIPELINES	Stratford Knolls	67,500	\$35,438	\$125,985	\$66,142
217615	CNT PIPELINES	Rancho Verde Unit #2	345,887	\$181,591	\$645,579	\$338,929
217617	CNT PIPELINES	Rancho Verde Unit #4	124,000	\$65,100	\$231,439	\$121,506
217605	CNT PIPELINES	Bernardo Lks Unit V1	283,588	\$148,884	\$529,302	\$277,884
217608	CNT PIPELINES	Christopherhill #1	267,000	\$140,175	\$498,341	\$261,629
217609	CNT PIPELINES	Christopherhill #2	176,000	\$92,400	\$328,494	\$172,460
217610	CNT PIPELINES	Christopherhill #3	165,000	\$86,625	\$307,963	\$161,681
217614	CNT PIPELINES	Christopherhill Bkbn	532,500	\$279,563	\$993,882	\$521,788
207601	CNT PIPELINES	Mains 99/00 Add'S	3,351,454	\$1,843,300	\$6,395,916	\$3,517,754
760197	CNT PIPELINES	Ext 180 Carlsbad Hs	250,000	\$143,750	\$494,020	\$284,061
760199	CNT PIPELINES	Arroyo La Costa #2	355,000	\$204,125	\$701,508	\$403,367
760200	CNT PIPELINES	Calle Barcelona	509,000	\$292,675	\$1,005,824	\$578,349
760198	CNT PIPELINES	Rancho Lakes Estates	487,455	\$280,287	\$963,249	\$553,868
760195	CNT PIPELINES	Home Depot	500,000	\$312,500	\$1,012,122	\$632,576
760192	CNT PIPELINES	Vista Santa Fe Areab	170,666	\$106,666	\$345,470	\$215,918
760193	CNT PIPELINES	Ranch View Estates	56,500	\$35,313	\$114,370	\$71,481
760196	CNT PIPELINES	Mains 97/98 Addition	458,135	\$286,334	\$927,377	\$579,611
760194	CNT PIPELINES	Rancho Lakes	500,000	\$312,500	\$1,012,122	\$632,576
760189	CNT PIPELINES	Sonata (Tierra S.F.)	183,333	\$119,167	\$377,059	\$245,088
760190	CNT PIPELINES	Hdden Valley Subdivs	114,200	\$74,230	\$234,874	\$152,668
760191	CNT PIPELINES	Intertie - Fairbanks	151,634	\$98,562	\$311,863	\$202,711
760186	CNT PIPELINES	Tierra Santa Fe 9'95	73,333	\$49,500	\$151,568	\$102,308
760188	CNT PIPELINES	Sonata 1&2 '95	73,333	\$49,500	\$151,568	\$102,308
760184	CNT PIPELINES	Rancho Farms Ests'95	75,000	\$50,625	\$155,013	\$104,634
760185	CNT PIPELINES	Vista Santa Fe B1'95	341,334	\$230,400	\$705,483	\$476,201
760181	CNT PIPELINES	Rosemont Estates	78,500	\$54,950	\$162,080	\$113,456
760179	CNT PIPELINES	Heritage Raw H2O P/L	1,051,712	\$736,198	\$2,171,481	\$1,520,037
760182	CNT PIPELINES	Stratford Estates	33,000	\$23,100	\$68,135	\$47,695
760183	CNT PIPELINES	Wildflower Estate #1	169,500	\$118,650	\$349,968	\$244,978
760180	CNT PIPELINES	Heritage Hills C.C.	588,000	\$411,600	\$1,214,050	\$849,835
760178	CNT PIPELINES	Leucadia Homes	51,500	\$37,338	\$107,237	\$77,747
760177	CNT PIPELINES	Rancho Pacifica Apts	156,500	\$117,375	\$332,513	\$249,385
760173	CNT PIPELINES	Forrest Bluff Estate	65,000	\$50,375	\$143,965	\$111,573
760172	CNT PIPELINES	Brookside Sub	93,500	\$72,463	\$207,088	\$160,493

Appendix C: Water Pipeline Assets Valuation

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

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD		Replacement Cost Less Depreciation
				OC Depreciation	RC Depreciation	
750112	CNT PIPELN EXT	P/L Extension # 138	61,500	\$53,813	\$151,540	\$18,943
750114	CNT PIPELN EXT	P/L Extension # 134	81,500	\$71,313	\$200,821	\$25,103
750115	CNT PIPELN EXT	P/L Extension # 119	17,500	\$15,313	\$43,121	\$5,390
750111	CNT PIPELN EXT	P/L Extension # 132	26,000	\$22,750	\$64,066	\$8,008
750113	CNT PIPELN EXT	P/L Extension #136	23,500	\$20,563	\$57,906	\$7,238
750116	CNT PIPELN EXT	P/L Extension # 139	15,000	\$13,125	\$36,961	\$4,620
750106	CNT PIPELN EXT	P/L Extension # 92	25,728	\$23,155	\$63,651	\$6,365
750107	CNT PIPELN EXT	P/L Extension # 113	22,500	\$20,250	\$55,665	\$5,566
750109	CNT PIPELN EXT	P/L Extension # 72	64,500	\$58,050	\$159,572	\$15,957
750110	CNT PIPELN EXT	P/L Extension # 112	44,640	\$40,176	\$110,439	\$11,044
750104	CNT PIPELN EXT	P/L Extension # 127	185,000	\$166,500	\$457,687	\$45,769
750103	CNT PIPELN EXT	Extension 116	50,000	\$46,250	\$123,824	\$9,287
750105	CNT PIPELN EXT	P/L Extension # 111	105,000	\$97,125	\$260,031	\$19,502
750099	CNT PIPELN EXT	Extension 123	157,000	\$145,225	\$388,808	\$29,161
750100	CNT PIPELN EXT	Extension 124	12,800	\$11,840	\$31,699	\$2,377
750101	CNT PIPELN EXT	Extension 125	164,000	\$151,700	\$406,144	\$30,461
750102	CNT PIPELN EXT	Extension 128	107,500	\$99,438	\$266,222	\$19,967
750097	CNT PIPELN EXT	Extension 96	23,500	\$22,325	\$60,264	\$3,013
750098	CNT PIPELN EXT	Extension 122	41,500	\$39,425	\$106,423	\$5,321
750096	CNT PIPELN EXT	Extension 128	107,500	\$102,125	\$275,675	\$13,784
750092	CNT PIPELN EXT	Ext 108	151,400	\$147,615	\$403,283	\$10,082
750094	CNT PIPELN EXT	Ext 118	45,000	\$43,875	\$119,866	\$2,997
750095	CNT PIPELN EXT	Ext 118 Off-Site	56,500	\$55,088	\$150,499	\$3,762
750091	CNT PIPELN EXT	Ext 105	20,000	\$19,500	\$53,274	\$1,332
750093	CNT PIPELN EXT	Ext 115	45,000	\$43,875	\$119,866	\$2,997
750069	CNT PIPELN EXT	Extension #52	24,650	\$13,804	\$81,050	\$35,662
750070	CNT PIPELN EXT	Extension #74	11,400	\$6,384	\$37,483	\$16,493
750071	CNT PIPELN EXT	Extension #73	18,600	\$10,416	\$61,157	\$26,909
750072	CNT PIPELN EXT	Extension #75	10,400	\$5,824	\$34,195	\$15,046
750073	CNT PIPELN EXT	Extension #79	13,500	\$7,560	\$44,388	\$19,531
750074	CNT PIPELN EXT	Extension #86	34,000	\$19,040	\$111,792	\$49,189
750076	CNT PIPELN EXT	Ext 29 Supplement	3,145	\$1,761	\$10,341	\$4,550
750075	CNT PIPELN EXT	Extension #84	53,000	\$29,680	\$174,265	\$76,676
750059	CNT PIPELN EXT	Extension #50	41,151	\$23,593	\$152,542	\$65,085
750064	CNT PIPELN EXT	Extension #75	10,400	\$5,963	\$38,552	\$16,449
750065	CNT PIPELN EXT	Extension #76	16,000	\$9,173	\$59,310	\$25,306
750060	CNT PIPELN EXT	Extension #56	14,912	\$8,550	\$55,277	\$23,585
750062	CNT PIPELN EXT	Extension #68	34,400	\$19,723	\$127,517	\$54,407
750063	CNT PIPELN EXT	Extension #69	11,430	\$6,553	\$42,370	\$18,078
750066	CNT PIPELN EXT	Extension #77	24,207	\$13,879	\$89,733	\$38,286
750067	CNT PIPELN EXT	Extension #78	13,400	\$7,683	\$49,672	\$21,193
750061	CNT PIPELN EXT	Extension #60	32,600	\$18,691	\$120,844	\$51,560
750053	CNT PIPELN EXT	Extension #71	20,800	\$12,203	\$82,006	\$33,896
750055	CNT PIPELN EXT	Extension #63	7,800	\$4,576	\$30,752	\$12,711
750057	CNT PIPELN EXT	Extension #57	16,000	\$9,387	\$63,082	\$26,074
750054	CNT PIPELN EXT	Extension #65	11,200	\$6,571	\$44,157	\$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	Snyper & 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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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 WSVF9168	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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Replacement Cost Less Depreciation	
				OC Depreciation	Replacement Cost		
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-Olivenhnn 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: September 18, 2024

To: Olivenhain Municipal Water District Board of Directors

From: Leo Mendez, Accounting Supervisor
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 AND THE STATE CLEARINGHOUSE AT THE GOVERNOR’S OFFICE OF PLANNING AND RESEARCH**

Purpose

The purpose of this agenda item is to ask the Board to consider adoption of a Resolution exempting the 2024 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 and the State Clearinghouse at the Governor’s Office of Planning and Research. The District’s proposed increase to capacity fees qualifies as exempt under CEQA guidelines.

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 and the State Clearinghouse at the Governor's Office of Planning and Research, 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 as recommended for phase two of the five-year phase-in program in the attached 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 August 14, 2024. Notification of the August 14th public hearing was posted in the San Diego Union

Attachment 1

RESOLUTION NO. 2024-

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 AND THE STATE CLEARINGHOUSE AT THE GOVERNOR'S OFFICE OF PLANNING AND RESEARCH

WHEREAS, the Olivenhain Municipal Water District Board of Directors has approved increased water capacity fees within the District's established Zones of Benefit effective November 18, 2024, 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 July 17, 2024, 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, August 14, 2024, 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 November 18, 2024; 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 and the State Clearinghouse at the Governor's Office of Planning and Research.

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 November 18, 2024, 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 November 18, 2024 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 November 18, 2024, 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 and the State Clearinghouse at the Governor's Office of Planning and Research forthwith.

PASSED, ADOPTED AND APPROVED at the regular meeting of the Board of Directors of the Olivenhain Municipal Water District held on September 18, 2024.

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 New-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.

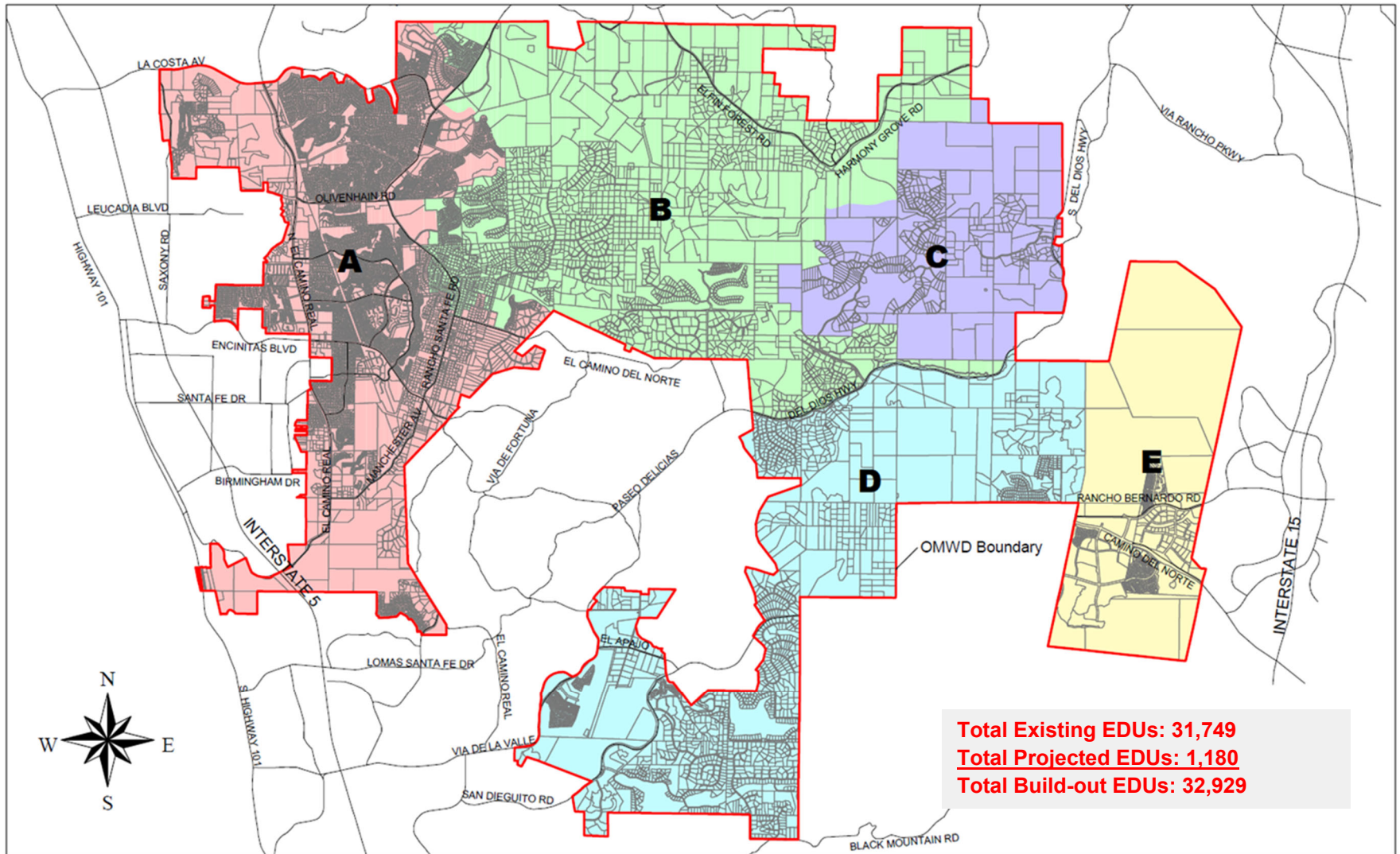
1.2. Current Water Capacity Fees

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
¾ 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

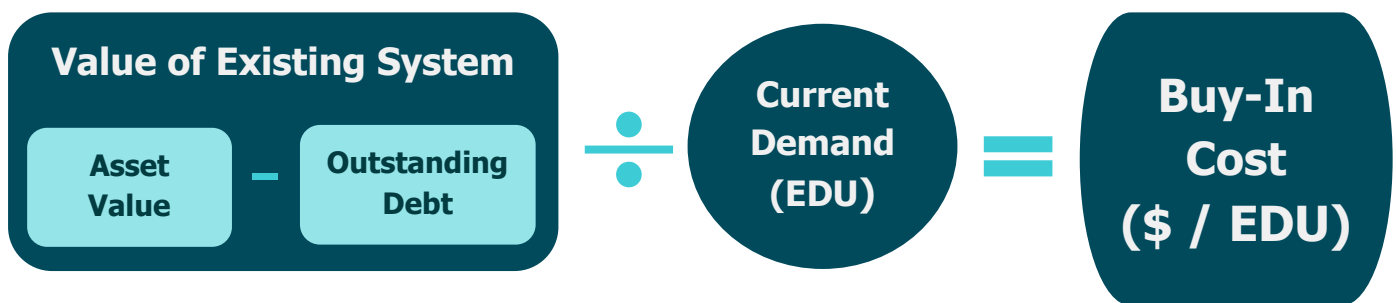
There are several methodologies for calculating capacity fees. The various approaches have largely evolved on the basis of changing public policy, legal requirements, and the unique and special circumstances of every local agency. However, there are two general approaches that are widely accepted and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

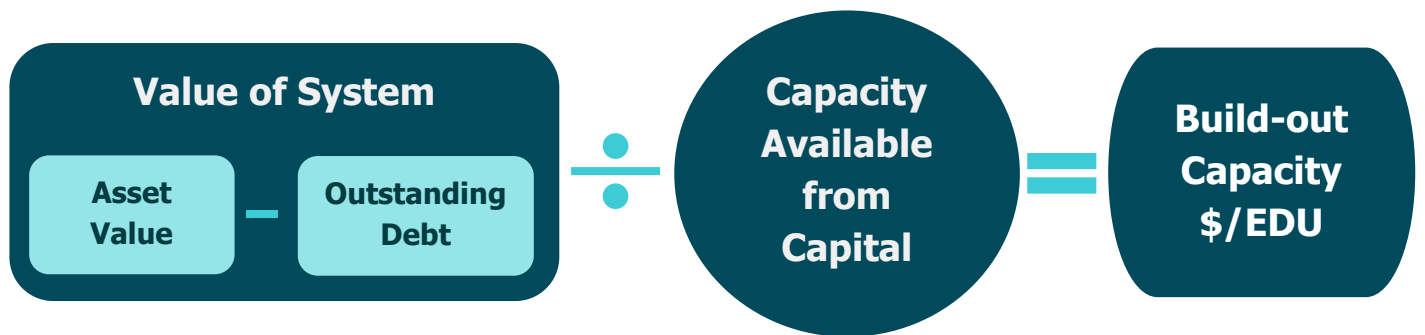


As shown, the value of the system typically includes asset value less any outstanding debt principal. Likewise, debt obligations are secured by the value of the system and used to pay for the assets of the system. Once the value of the existing system is determined, this is divided by the current demand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

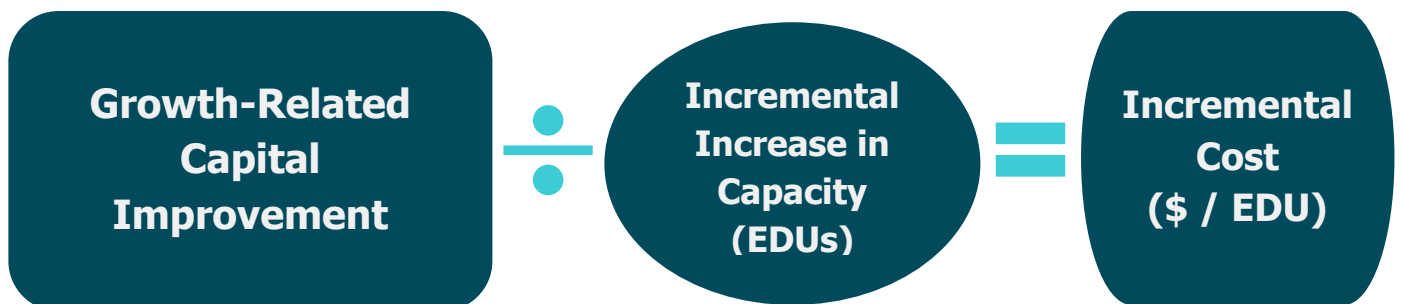


2.1.3. INCREMENTAL COST APPROACH

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

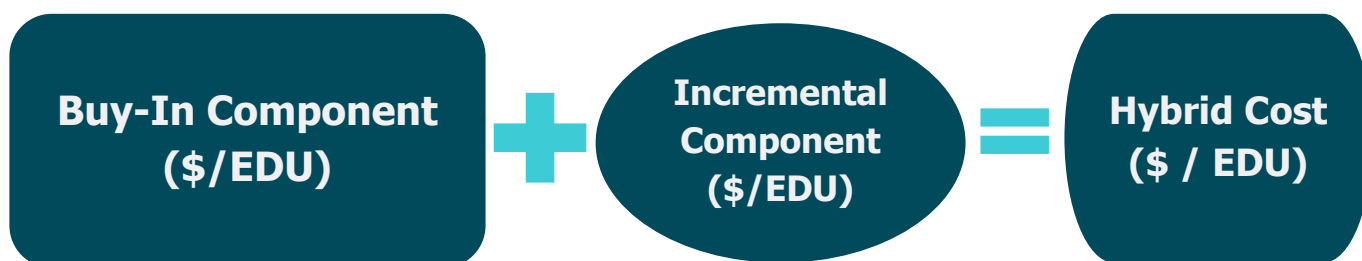


2.1.4. HYBRID APPROACH

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

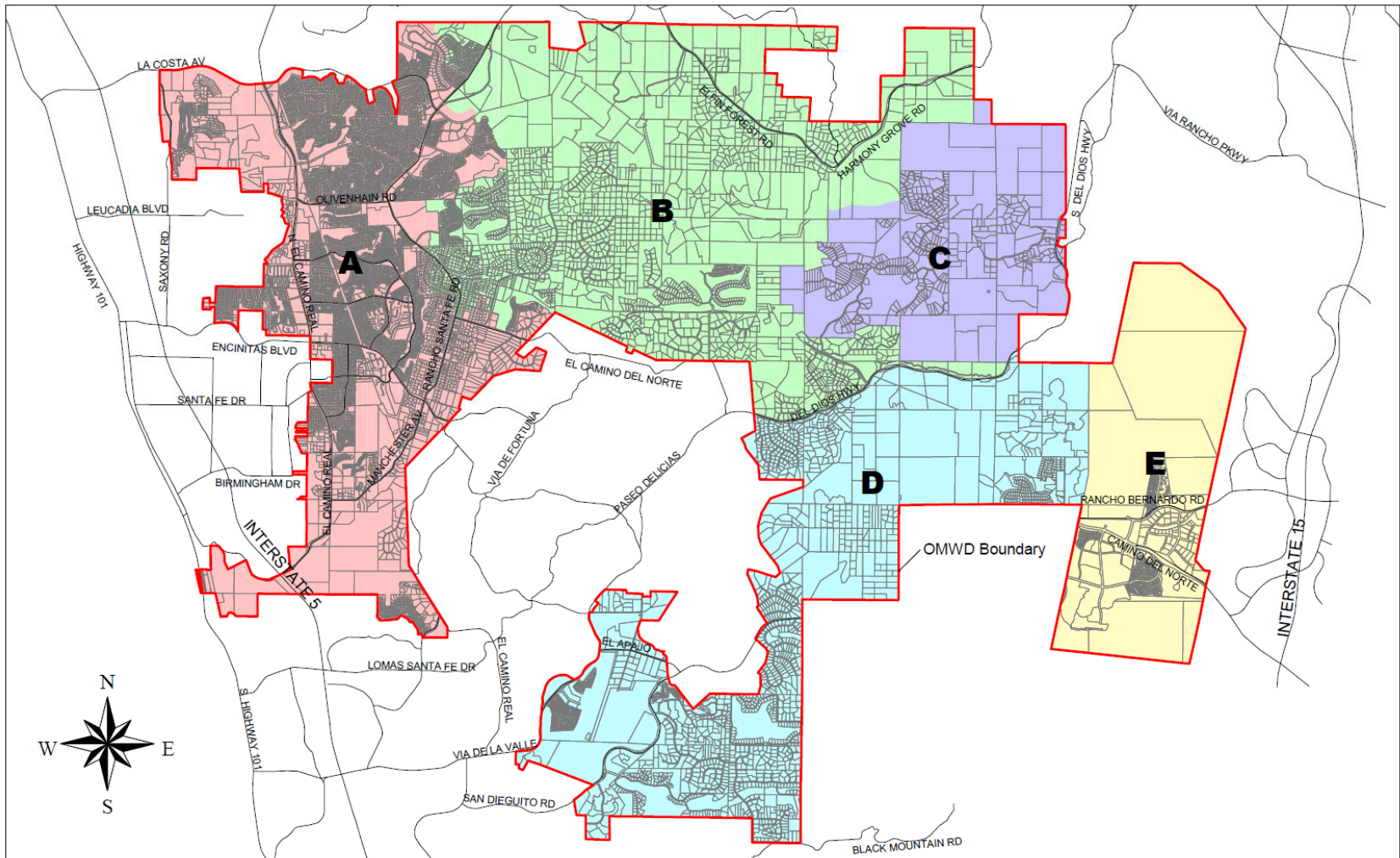
There are significant changes to the capacity fees in Zones A, C, and E. To mitigate the impacts to new customers, the District Board has decided to phase in the increases over five years as shown in **Table 3-9**.

Table 3-9: Proposed Water Capital Facility Fees for 3/4-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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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 C/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 Capital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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	

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

Appendix B: Water Capital Fee Assets Valuation

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				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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 Capacital Fee Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD OC		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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/FIELD EQUIP	LINE LOCATING EQUIPMENT	\$6,911	\$2,764	\$7,732	\$3,093	\$4,639	
297874	SHOP/FIELD EQUIP	CANYCOM BFP 602HB POWERED WHEELBARROW	\$7,540	\$3,232	\$8,397	\$3,599	\$4,798	
297876	SHOP/FIELD EQUIP	TIRE WHEEL BALANCER	\$6,196	\$2,655	\$6,899	\$2,957	\$3,942	
297877	SHOP/FIELD EQUIP	LINE LOCATING EQUIPMENT	\$5,920	\$3,552	\$6,592	\$3,955	\$2,637	
820528	SHOP/FIELD EQUIP	SC200 CONTROLLER (WTP)	\$2,191	\$876	\$2,475	\$990	\$1,485	
820529	SHOP/FIELD EQUIP	TU5400 TURBIDMETER (WTP)	\$7,158	\$2,863	\$8,086	\$3,234	\$4,852	
820530	SHOP/FIELD EQUIP	TU5400 TURBIDITY ANALYZER (WTP)	\$7,278	\$2,911	\$8,222	\$3,289	\$4,933	
820531	SHOP/FIELD EQUIP	DEPOLOX FREE CL2 ANALYZER (WTP)	\$6,070	\$2,428	\$6,857	\$2,743	\$4,114	
820532	SHOP/FIELD EQUIP	GANTRY CRANE 4,000 LB (WTP)	\$7,498	\$2,999	\$8,470	\$3,388	\$5,082	
820533	SHOP/FIELD EQUIP	FALL RETRIEVAL SYSTEM (WTP)	\$9,735	\$2,596	\$10,998	\$2,933	\$8,065	
8205034	SHOP/FIELD EQUIP	CANDLE ASSEMBLY (WTP)	\$24,996	\$6,666	\$28,237	\$7,530	\$20,707	
820520	SHOP/FIELD EQUIP	WTP CONDUCTIVITY PROBE/CONTROLLER	\$5,080	\$2,540	\$5,889	\$2,944	\$2,944	
820468	SHOP/FIELD EQUIP	ELECTRICAL INSTALLATION	\$9,098	\$5,459	\$11,008	\$6,605	\$4,403	
820492	SHOP/FIELD EQUIP	SURVEILLANCE SYSTEM UPGRADES	\$40,912	\$24,547	\$49,501	\$29,700	\$19,800	
208242	SHOP/FIELD EQUIP	4000A Reconditioned Breaker	\$15,485	\$7,226	\$19,021	\$8,876	\$10,144	
208243	SHOP/FIELD EQUIP	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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	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		Calculated LTD RC		Replacement Cost Less Depreciation
				Depreciation	Replacement Cost	Depreciation	Replacement Cost	
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	13,300,000	\$2,340,000	\$17,016,778	\$3,063,020	\$13,953,758
297657	CNT PIPELINES	Olivehain 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

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
267608	CNT PIPELINES	Brdiges @ 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	\$72,675	\$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	\$167,778	\$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		Replacement Cost Less Depreciation
				OC Depreciation	RC Depreciation	
237626	CNT PIPELINES	4S Lots 14 - 17	20,000	\$9,500	\$35,818	\$18,804
227620	CNT PIPELINES	Arroyo La Costa - E	204,200	\$102,100	\$372,076	\$186,038
227621	CNT PIPELINES	Sandalwood - Ps	417,000	\$208,500	\$759,821	\$379,911
227619	CNT PIPELINES	Groves li	78,000	\$39,000	\$142,125	\$71,062
217602	CNT PIPELINES	Arroyo La Costa #3	463,000	\$243,075	\$864,164	\$453,686
217604	CNT PIPELINES	Arroyo La Costa I	376,000	\$197,400	\$701,783	\$368,436
217606	CNT PIPELINES	Leucadia Highlands	93,000	\$48,825	\$173,579	\$91,129
217612	CNT PIPELINES	Sage Canyon	97,000	\$50,925	\$181,045	\$95,049
217616	CNT PIPELINES	Arroyo La Costa #C	118,000	\$61,950	\$220,241	\$115,626
217603	CNT PIPELINES	Lone Jack Rd Imprvmt	9,000	\$4,725	\$16,798	\$8,819
217607	CNT PIPELINES	Kinghtsbridge	344,500	\$180,863	\$642,990	\$337,570
217611	CNT PIPELINES	Crestview	92,000	\$48,300	\$171,713	\$90,149
217613	CNT PIPELINES	Stratford Knolls	67,500	\$35,438	\$125,985	\$66,142
217615	CNT PIPELINES	Rancho Verde Unit #2	345,887	\$181,591	\$645,579	\$338,929
217617	CNT PIPELINES	Rancho Verde Unit #4	124,000	\$65,100	\$231,439	\$121,506
217605	CNT PIPELINES	Bernardo Lks Unit V1	283,588	\$148,884	\$529,302	\$277,884
217608	CNT PIPELINES	Christopherhill #1	267,000	\$140,175	\$498,341	\$261,629
217609	CNT PIPELINES	Christopherhill #2	176,000	\$92,400	\$328,494	\$172,460
217610	CNT PIPELINES	Christopherhill #3	165,000	\$86,625	\$307,963	\$161,681
217614	CNT PIPELINES	Christopherhill Bkbn	532,500	\$279,563	\$993,882	\$521,788
207601	CNT PIPELINES	Mains 99/00 Add'S	3,351,454	\$1,843,300	\$6,395,916	\$3,517,754
760197	CNT PIPELINES	Ext 180 Carlsbad Hs	250,000	\$143,750	\$494,020	\$284,061
760199	CNT PIPELINES	Arroyo La Costa #2	355,000	\$204,125	\$701,508	\$403,367
760200	CNT PIPELINES	Calle Barcelona	509,000	\$292,675	\$1,005,824	\$578,349
760198	CNT PIPELINES	Rancho Lakes Estates	487,455	\$280,287	\$963,249	\$553,868
760195	CNT PIPELINES	Home Depot	500,000	\$312,500	\$1,012,122	\$632,576
760192	CNT PIPELINES	Vista Santa Fe Areab	170,666	\$106,666	\$345,470	\$215,918
760193	CNT PIPELINES	Ranch View Estates	56,500	\$35,313	\$114,370	\$71,481
760196	CNT PIPELINES	Mains 97/98 Addition	458,135	\$286,334	\$927,377	\$579,611
760194	CNT PIPELINES	Rancho Lakes	500,000	\$312,500	\$1,012,122	\$632,576
760189	CNT PIPELINES	Sonata (Tierra S.F.)	183,333	\$119,167	\$377,059	\$245,088
760190	CNT PIPELINES	Hdden Valley Subdivs	114,200	\$74,230	\$234,874	\$152,668
760191	CNT PIPELINES	Intertie - Fairbanks	151,634	\$98,562	\$311,863	\$202,711
760186	CNT PIPELINES	Tierra Santa Fe 9'95	73,333	\$49,500	\$151,568	\$102,308
760188	CNT PIPELINES	Sonata 1&2 '95	73,333	\$49,500	\$151,568	\$102,308
760184	CNT PIPELINES	Rancho Farms Ests'95	75,000	\$50,625	\$155,013	\$104,634
760185	CNT PIPELINES	Vista Santa Fe B1'95	341,334	\$230,400	\$705,483	\$476,201
760181	CNT PIPELINES	Rosemont Estates	78,500	\$54,950	\$162,080	\$113,456
760179	CNT PIPELINES	Heritage Raw H2O P/L	1,051,712	\$736,198	\$2,171,481	\$1,520,037
760182	CNT PIPELINES	Stratford Estates	33,000	\$23,100	\$68,135	\$47,695
760183	CNT PIPELINES	Wildflower Estate #1	169,500	\$118,650	\$349,968	\$244,978
760180	CNT PIPELINES	Heritage Hills C.C.	588,000	\$411,600	\$1,214,050	\$849,835
760178	CNT PIPELINES	Leucadia Homes	51,500	\$37,338	\$107,237	\$77,747
760177	CNT PIPELINES	Rancho Pacifica Apts	156,500	\$117,375	\$332,513	\$249,385
760173	CNT PIPELINES	Forrest Bluff Estate	65,000	\$50,375	\$143,965	\$111,573
760172	CNT PIPELINES	Brookside Sub	93,500	\$72,463	\$207,088	\$160,493

Appendix C: Water Pipeline Assets Valuation

Asset ID	Asset Class ID	Asset Description	Original Cost	Calculated LTD		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Replacement Cost	Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost			
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-Dixson	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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Replacement Cost Less Depreciation
				OC Depreciation	RC Depreciation	
750112	CNT PIPELN EXT	P/L Extension # 138	61,500	\$53,813	\$151,540	\$18,943
750114	CNT PIPELN EXT	P/L Extension # 134	81,500	\$71,313	\$200,821	\$25,103
750115	CNT PIPELN EXT	P/L Extension # 119	17,500	\$15,313	\$43,121	\$5,390
750111	CNT PIPELN EXT	P/L Extension # 132	26,000	\$22,750	\$64,066	\$8,008
750113	CNT PIPELN EXT	P/L Extension #136	23,500	\$20,563	\$57,906	\$7,238
750116	CNT PIPELN EXT	P/L Extension # 139	15,000	\$13,125	\$36,961	\$4,620
750106	CNT PIPELN EXT	P/L Extension # 92	25,728	\$23,155	\$63,651	\$6,365
750107	CNT PIPELN EXT	P/L Extension # 113	22,500	\$20,250	\$55,665	\$5,566
750109	CNT PIPELN EXT	P/L Extension # 72	64,500	\$58,050	\$159,572	\$15,957
750110	CNT PIPELN EXT	P/L Extension # 112	44,640	\$40,176	\$110,439	\$11,044
750104	CNT PIPELN EXT	P/L Extension # 127	185,000	\$166,500	\$457,687	\$45,769
750103	CNT PIPELN EXT	Extension 116	50,000	\$46,250	\$123,824	\$9,287
750105	CNT PIPELN EXT	P/L Extension # 111	105,000	\$97,125	\$260,031	\$19,502
750099	CNT PIPELN EXT	Extension 123	157,000	\$145,225	\$388,808	\$29,161
750100	CNT PIPELN EXT	Extension 124	12,800	\$11,840	\$31,699	\$2,377
750101	CNT PIPELN EXT	Extension 125	164,000	\$151,700	\$406,144	\$30,461
750102	CNT PIPELN EXT	Extension 128	107,500	\$99,438	\$266,222	\$19,967
750097	CNT PIPELN EXT	Extension 96	23,500	\$22,325	\$60,264	\$3,013
750098	CNT PIPELN EXT	Extension 122	41,500	\$39,425	\$106,423	\$5,321
750096	CNT PIPELN EXT	Extension 128	107,500	\$102,125	\$275,675	\$13,784
750092	CNT PIPELN EXT	Ext 108	151,400	\$147,615	\$403,283	\$10,082
750094	CNT PIPELN EXT	Ext 118	45,000	\$43,875	\$119,866	\$2,997
750095	CNT PIPELN EXT	Ext 118 Off-Site	56,500	\$55,088	\$150,499	\$3,762
750091	CNT PIPELN EXT	Ext 105	20,000	\$19,500	\$53,274	\$1,332
750093	CNT PIPELN EXT	Ext 115	45,000	\$43,875	\$119,866	\$2,997
750069	CNT PIPELN EXT	Extension #52	24,650	\$13,804	\$81,050	\$35,662
750070	CNT PIPELN EXT	Extension #74	11,400	\$6,384	\$37,483	\$16,493
750071	CNT PIPELN EXT	Extension #73	18,600	\$10,416	\$61,157	\$26,909
750072	CNT PIPELN EXT	Extension #75	10,400	\$5,824	\$34,195	\$15,046
750073	CNT PIPELN EXT	Extension #79	13,500	\$7,560	\$44,388	\$19,531
750074	CNT PIPELN EXT	Extension #86	34,000	\$19,040	\$111,792	\$49,189
750076	CNT PIPELN EXT	Ext 29 Supplement	3,145	\$1,761	\$10,341	\$4,550
750075	CNT PIPELN EXT	Extension #84	53,000	\$29,680	\$174,265	\$76,676
750059	CNT PIPELN EXT	Extension #50	41,151	\$23,593	\$152,542	\$65,085
750064	CNT PIPELN EXT	Extension #75	10,400	\$5,963	\$38,552	\$16,449
750065	CNT PIPELN EXT	Extension #76	16,000	\$9,173	\$59,310	\$25,306
750060	CNT PIPELN EXT	Extension #56	14,912	\$8,550	\$55,277	\$23,585
750062	CNT PIPELN EXT	Extension #68	34,400	\$19,723	\$127,517	\$54,407
750063	CNT PIPELN EXT	Extension #69	11,430	\$6,553	\$42,370	\$18,078
750066	CNT PIPELN EXT	Extension #77	24,207	\$13,879	\$89,733	\$38,286
750067	CNT PIPELN EXT	Extension #78	13,400	\$7,683	\$49,672	\$21,193
750061	CNT PIPELN EXT	Extension #60	32,600	\$18,691	\$120,844	\$51,560
750053	CNT PIPELN EXT	Extension #71	20,800	\$12,203	\$82,006	\$33,896
750055	CNT PIPELN EXT	Extension #63	7,800	\$4,576	\$30,752	\$12,711
750057	CNT PIPELN EXT	Extension #57	16,000	\$9,387	\$63,082	\$26,074
750054	CNT PIPELN EXT	Extension #65	11,200	\$6,571	\$44,157	\$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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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 WSVF9168	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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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		Calculated LTD RC Depreciation	Replacement Cost Less Depreciation
				OC Depreciation	Replacement Cost		
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-Olivenhnn 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**

September 18, 2024

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 November 18, 2024.

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: _____, 2024

Memo

Date: September 18, 2024

To: Olivenhain Municipal Water District Board of Directors

From: Leo Mendez, Accounting Supervisor
Rainy Selamat, Finance Manager

Via: Kimberly Thorner, General Manager

Subject: **CONSIDER DISCUSSION AND APPROVAL OF PROPOSED ANNUAL REVIEW AND ADJUSTMENTS TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT SHUT-OFF NOTICE FEE, METER TEST FEE, FIRE FLOW TEST FEE, AND METER INSTALLATION FEES AND ADOPT AN ORDINANCE AMENDING OLIVENHAIN MUNICIPAL WATER DISTRICT’S ADMINISTRATIVE AND ETHICS CODE (ARTICLE 8 – WATER RATES AND CHARGES, AND ARTICLE 13 – POLICY FOR DISTRICT FACILITIES)**

Purpose

The purpose of this item is to consider adoption of staff’s proposed adjustments to OMWD’s shut-off notice fee, meter test fee, fire flow test fee, and meter installation fees based on the cost of providing such services. A public hearing is not required for these fee adjustments because these fees are not subject to Proposition 218 requirements. Proposed adjustments to these fees do not exceed the cost of providing service. Staff reviews these fees annually to ensure we are recovering our actual costs of these fees.

Recommendation

Staff is recommending the Board consider approval of the proposed adjustments to OMWD’s shut-off notice fee, meter test fee, fire flow test fee, and meter installation fees to reflect the current costs of providing these services.

Alternatives

The Board may decide not to approve the proposed adjustments or direct Staff to do otherwise.

Background

Staff reviewed OMWD's shut-off notice fee, meter test fee, fire flow test fee, and meter installation fees to reflect current costs of providing these services. Staff is proposing fee adjustments as outlined below.

Shut-off Notice Fee:

Per Section 8.10 of the Administrative and Ethics Code, customers will incur a fee of \$40.00 whenever the District is required to deliver a shut-off notice to discontinue water service due to non-payment of a water bill.

Current Fee: \$40.00 per shut-off notice

Proposed Fee: \$42.00 per shut-off notice

Last Adjustment: January 17, 2024

Reason: Proposing to update the shut-off notice fee based on the current cost to OMWD of providing this service. Costs include FedEx delivery of notices to customer addresses and staff time in processing these shut-off notices and following up with customers via phone calls. The District delivers about 85 shut-off notices per month. FedEx Mailing costs alone have risen to \$24.18 per notice. The proposed \$42.00 fee is reasonable and comparable to shut-off notice fees charged by other water districts in the County based on the attached survey conducted by OMWD staff.

Meter Test Fee:

Per Section 8.16, a fee of \$230.00 shall be charged to a customer's account when a customer requests the District perform a meter test to determine if a meter is accurate.

If the meter is tested and found to be inaccurate, the District refunds the meter testing fee to the customer and a new meter is installed at no cost to the customer.

Current Fee: \$230 per meter test

Proposed Fee: \$240 per meter test

Last Adjustment: October 18, 2023

Reason: The proposed adjustment to the meter test was calculated based on additional costs incurred by the District in providing this service upon a customer's request. Costs include staff time, shipping, and a fee charged by a 3rd party for testing the meter. The District did not perform any meter tests in fiscal year 2024 and 2023, and performed 2 meter tests in fiscal year 2022.

Fire Flow Test Fee:

Per Section 8.6 of the Administrative and Ethics Code, upon request by a customer, OMWD will perform fire flow pressure testing to determine residual fire flow pressure data. A fire flow test requested by public agencies of the Insurance Services Office (ISO) shall be performed by OMWD at no charge.

Current Fee: A non-refundable fee of \$500 per test

Proposed Fee: A non-refundable fee of \$525 per test

Last Adjustment: October 18, 2023

Reason: Proposing to update the fire flow test fee based on the current cost to OMWD of providing this service. Costs include staff time and water loss that results from the test. Fire flow tests require two (2) District employees to perform, since two adjacent hydrants are tested simultaneously. The District performed 18 fire flow pressure tests in fiscal year 2024.

Partial Meter Installation Fees:

Per Section 13.11, a fixed fee is charged for a partial meter installation, which is a meter installation where a service lateral currently exists. The fee varies by meter size. Partial meter installations that are 2" or greater are charged based on time and materials

(T&M). Full meter installations, or meter installations where a completely new service lateral is required, are also charged based on time and materials (T&M).

Current Fees:

Meter Size	Partial Install Fee
5/8"	\$675
3/4"	\$725
3/4" with 1" fire meter	\$1,450
3/4" fire meter only	\$1,100
1"	\$825
1" with 1" fire meter	\$1,525
1" fire meter only	\$1,125
1-1/2"	\$1,225

Proposed Fees:

Meter Size	Partial Install Fee
5/8"	\$725
3/4"	\$800
3/4" with 1" fire meter	\$1,500

3/4" fire meter only	\$1,100
1"	\$875
1" with 1" fire meter	\$1,575
1" fire meter only	\$1,125
1-1/2"	\$1,450

Last Adjustment: October 18, 2023

Reason: The proposed adjustments to the meter installation fees were calculated based on costs incurred by the District in completing partial meter installations. Costs include staff time, costs for the meter, and other materials. The District completed 14 partial meter installations during fiscal year 2024. Full meter installations require more staff time and can be challenging. Staff is recommending that full meter installations continue to be based on time and materials (T&M).

Fiscal Impact

If the recommended changes are approved by the Board, the District will collect approximately \$3,500 in additional annual revenue that will be used to cover the costs involved in providing the above services.

Discussion

District staff recommend the above increases to ensure the District continues to cover its costs of providing the above services. Not increasing these fees would increase the burden on rate payers since the District would have to recover the costs via water rates and charges. Staff will be available to answer any questions.

Attachments:

Attachment 1 – Ordinance

 Exhibit A – Article 8 – Rates and Charges

 Exhibit B – Article 13- Policy for District Facilities

Attachment 2 – Fee Survey

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 8 – Water Rates and Charges and Article 13 – Policy for District Facilities)

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

SECTION 1: Article 8 and 13 of the Administrative Code are hereby amended to read as shown on Exhibit A and B (attached).

PASSED, APPROVED AND ADOPTED at a regular meeting of Olivenhain Municipal Water District's Board of Directors held this 18th day of September 2024.

Christy Guerin, President
Board of Directors
Olivenhain Municipal Water District

ATTEST:

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

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	Title WATER RATES & CHARGES	
	Latest Revision Date January 17, 2024	Ordinance No. 515

ADMINISTRATIVE AND ETHICS CODE

ARTICLE 8 WATER RATES & CHARGES

F. Notice

Except for the rate increases authorized for Pass-Through Increases and Adjustment commencing with the March 1, 2020 bills, as set forth in Section 8.4.A. hereof, notice of any rate increases to the District water service fees as a result of Purchased Water Wholesale Pass-Through, SDCWA Infrastructure Access Charge, Inflationary Pass-through, CA Pass-Through (collectively the “Pass-Through Increases and Adjustments”) will be provided to District customers as required by California Government Code Sections 53755 and 53756.

G. Duration

No additional Pass-Through Increases and Adjustments shall be levied after the dates set forth herein.

Sec. 8.5 revised via Ordinance 432 /November 4, 2015

Sec. 8.5 revised via Ordinance 398 / August 8, 2012

Sec. 8.5. Jumpers. Unmetered connections, or "jumpers," are not allowed by the District. See Section 9.3.A. regarding temporary construction meters.

Sec. 8.6 revised via Ordinance No. 511 / October 18, 2023

Sec. 8.6 revised via Ordinance No. 503 / August 17, 2022

Sec. 8.6 revised via Ordinance 478 / November 18, 2020

Sec. 8.6 revised via Ordinance 442 / July 20, 2016

Sec. 8.6 revised via Ordinance 381 / August 11, 2010

Sec. 8.6 revised via Ordinance 371-A / June 24, 2009

Sec. 8.6 revised via Ordinance 331 / June 9, 2006

Sec. 8.6 deleted by Ordinance No. 304 / June 25, 2003 (Renumbered accordingly)

Sec. 8.6. Fire Flow Tests. A non-refundable fee of ~~\$500.00~~25.00 shall be charged and collected when a customer requests the District to perform fire flow pressure testing to determine residual fire flow pressure data. Fire flow testing requested by other public agencies or the Insurance Services Office (ISO) shall be performed by the District at no charge.

Sec. 8.7 revised via Ordinance 478 / November 18, 2020

Sec. 8.7. Transfer Fee. A fee of \$25.00 shall be charged and collected from each new customer at the time an existing meter account is transferred into a new ownership.

Sec. 8.8. revised by Ordinance No. 495 / October 13, 2021

Sec. 8.8. revised by Ordinance No. 468 / October 16, 2019

Sec. 8.8. revised by Ordinance No. 425 / March 18, 2015

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ADMINISTRATIVE AND ETHICS CODE

ARTICLE 8 WATER RATES & CHARGES

Sec. 8.8. revised by Ordinance No. 389 / July 27, 2011

Sec. 8.8. revised by Ordinance No. 319 / June 22, 2005

Sec. 8.8. Monitoring Backflow Prevention Devices. A monthly charge of \$6.50 per device will be billed to customers required to have backflow prevention devices to cover the monitoring of such devices as determined to be necessary by the District.

Sec. 8.9. revised by Ordinance No. 515 / January 17, 2024

Sec. 8.9 revised via Ordinance No.496 / November 17, 2021

Sec. 8.9 revised via Ordinance No.449 / May 17, 2017

Sec. 8.9. revised via Ordinance No. 432 / November 4, 2015

Sec. 8.9. revised via Ordinance No. 320 / July 27, 2005

Sec. 8.9. Delinquent Payment Charges. Payment of regular water bills not received before the tenth business day following the payment due date shall be subject to a 10% delinquent charge (See Section 9.14.C.) for balances exceeding \$25.00. The 10% delinquent charge is applied in the subsequent bill cycle. These charges shall be in addition to any applicable insufficient funds check return charge (See Section 8.12.).

Sec. 8.10. revised by Ordinance No. 515 / January 17, 2024

Sec. 8.10. revised via Ordinance No. 503 / August 17, 2022

Sec. 8.10. revised via Ordinance No. 468 / October 16, 2019

Sec. 8.10. revised via Ordinance No. 425 / March 18, 2015

Sec. 8.10. Shut-off Notice Fee. Customers will incur a fee of ~~\$40.00~~\$42.00 whenever the District is required to deliver a shut-off notice to discontinue water service due to non-payment of a water bill.

Sec. 8.11. revised by Ordinance No. 515 / January 17, 2024

Sec. 8.11. revised via Ordinance No. 503 / August 17, 2022

Sec. 8.11. revised via Ordinance No. 468 / October 16, 2019

Sec. 8.11. revised via Ordinance No. 432 / November 4, 2015

Sec. 8.11. revised via Ordinance No. 425 / March 18, 2015

Sec. 8.11. revised via Ordinance No. 334 / August 11, 2006

Sec. 8.11. revised via Ordinance No. 331 / June 9, 2006

Sec. 8.11. Fees for Re-establishment of Service. For customers that have not demonstrated to the District that household income is below 200 percent of the federal poverty line, the following fees shall be charged each time service has to be re-established following discontinuation of water service for any reason:

OLIVENHAIN MUNICIPAL WATER DISTRICT	Article No. 8	Page 16 of 16
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ADMINISTRATIVE AND ETHICS CODE

ARTICLE 8 WATER RATES & CHARGES

Cutting District lock, straight-lining across meter, or otherwise preventing meter from accurately performing its measuring function by tampering or by any other means (Penal Code 498 & 625): \$200

Cutting angle meter stop from the meter (Penal Code Section 498 & 625): \$200.00 fee & angle stop replacement cost

Replacement of meter which has been pulled because of customer's second cutting of District lock (Penal Code Section 498 & 625): \$250.00

Illegal use and/or connection to hydrant, mainline, backflow device, or any other instrument, apparatus, or device (Penal Code 498): \$1,000.00 & cost to repair/replace device, if applicable

Sec. 8.16. revised via Ordinance No. 511 / October 18, 2023

Sec. 8.16. revised via Ordinance No. 503 / August 17, 2022

Sec. 8.16. revised by Ordinance No. 468 / October 16, 2019

Sec. 8.16. added by Ordinance No. 371-A / June 24, 2009

Sec. 8.16. Meter Test Fee. A fee of ~~\$230.00~~240.00 shall be charged to customer's account when a customer requests the District to perform a meter test to determine if a meter is accurate. The fee shall be charged to the customer account prior to the actual testing being performed. If the meter is tested and the test result shows that the meter register is within the accuracy requirements as specified in the American Water Works Association Test Requirements, a ~~\$230.00~~240.00 meter testing fee per meter will be paid by the customer requesting the meter testing. If the meter is tested and found to be inaccurate, the District will refund the meter testing fee to the customer and a new meter will be installed at no cost to the customer.

Exhibit B

OLIVENHAIN MUNICIPAL WATER DISTRICT ADMINISTRATIVE AND ETHICS CODE	Article No. 13	Page 20 of 31
	TITLE: POLICY FOR DISTRICT FACILITIES	
	Latest Revision Date October 18, 2023	Ordinance No. 511

ARTICLE 13. POLICY FOR DISTRICT FACILITIES

Sec. 13.11.(B) revised by Ordinance No. 304 / June 25, 2003

Sec 13.11. Capacity Fee and Installation Charges.

B. Meter Installation Charges.

Meter Size	Partial ⁽¹⁾	Full ⁽²⁾
5/8"	\$675 - 725	T&M
3/4"	\$725 - 800	T&M
3/4" with 1" fire meter	\$1,450 <u>1,500</u>	T&M
3/4" fire meter only	\$1,100	T&M
1"	\$825 - 875	T&M
1" with 1" fire meter	\$1,525 <u>1,575</u>	T&M
1" fire meter only	\$1,125	T&M
1-1/2"	\$1,225 <u>1,450</u>	T&M
2"	T&M	T&M
3"	T&M	T&M
4"	T&M	T&M
6"	T&M	T&M
8"	T&M	T&M

NOTE:

¹ Partial installation is where service lateral exists now or previously (subdivisions).

² Full installation is for a completely new service lateral.

Attachment 2

**Olivenhain Municipal Water District
Fee Survey - Eff. September 2024**

Fee	Shut-off Notice Fee	Meter Test	Fire Flow Tests	Partial meter installation charge - 3/4"	Partial meter installation charge - 3/4" + Fire Meter
Admin Code Section	8.1	8.16	8.6	13.11	13.11
Fee last increased by OMWD on:	January 17, 2024	October 18, 2023	October 18, 2023	October 18, 2023	October 18, 2023
OMWD - Current	40	230	500	725	1,450
OMWD - Proposed	42	240	525	800	1,500
Average of member agencies (including OMWD)	36	192	310	927	1,060
Carlsbad MWD	46	N/A	N/A	465	858
City of Del Mar	75	150	N/A	\$3,000 Deposit for T&M	\$3,000 Deposit for T&M
City of Escondido	35	125	N/A	415	415
Helix WD	17	234	283	358	358
City of Oceanside	23	N/A	189	618	618
Otay WD	5	120	N/A	143	143
City of Poway	32	70	303	N/A	N/A
Ramona MWD	10	50	N/A	1,014	1,014
Rincon del Diablo	44	200	123	320	320
City of San Diego	30	66	N/A	111	111
San Dieguito WD	N/A	N/A	T&M	805	1,160
Santa Fe ID	69	750	758	437	874
Sweetwater Authority	N/A	170	600	T&M	T&M
Vallecitos WD	25	150	250	N/A - Contractor Installs	N/A - Contractor Installs
Valley Center MWD	N/A	N/A	N/A	1,146	1,957
Vista ID	77	483	230	704	704
Yuima MWD	50	60	N/A	3,900	3,900
Lakeside WD	20	60	125	T&M	T&M
Padre Dam MWD	25	150	50	468	468

Memo

Date: September 18, 2024
To: Olivenhain Municipal Water District Board of Directors
From: Kimberly Thorner, General Manager
Subject: **CONSIDER CANCELING THE WEDNESDAY, NOVEMBER 13, 2024 REGULAR BOARD MEETING AND SCHEDULING A SPECIAL BOARD MEETING ON WEDNESDAY, NOVEMBER 6, 2024 AT 5:00 P.M.**

Purpose

The purpose of this item is to consider cancelling the regularly scheduled November 13th board meeting and calling a Special Meeting on November 6th at 5:00 p.m. to ensure that all board members can participate in the meeting.

Recommendation

Staff recommends approving the cancellation of the November 13th Board Meeting and scheduling a Special Meeting on November 6th at 5:00 p.m.

Alternative(s)

- The board could opt to keep the November Board Meeting on November 13th and not have all board members present.

- The board could schedule ta Special November Board Meeting for a different date and time.

Discussion

A board member reached out to let the General Manager know that they had an unintended conflict wherein they will be out of town for the November 13, 2024 Board Meeting and asked if another meeting date was possible. Based off of the calendar and keeping the meeting on a Wednesday, the date of November 6th appeared to be a viable option. Because November 6th was not the original regular meeting time, it would be considered a Special Meeting.

If the board approves cancelling the November 13th Board Meeting, and approves the November 6th Special Board Meeting date, a meeting cancellation notice for the November 13th Board Meeting will be posted. Per the General Counsel, posting a cancellation notice for the November 13th Board Meeting in addition to calling the new meeting a Special Board Meeting, would adhere to The Brown Act requirements and the OMWD Administrative and Ethics Code.

Staff is available to answer any questions.

Attachment: Proposed Cancellation notice for the November 13th Board Meeting



1966 Olivenhain Road, Encinitas, CA 92024
Tel: (760) 753-6466 • Fax: (760) 753-5640

NOTICE OF CANCELLED MEETING

NOTICE IS HEREBY GIVEN that the regular meeting of the OLIVENHAIN MUNICIPAL WATER DISTRICT scheduled for Wednesday, November 13, 2024, at 4:00 p.m. has been cancelled.

Dated and Posted: September 19, 2024

Memo

Date: September 18, 2024
To: Olivenhain Municipal Water District Board of Directors
From: Lindsey Stephenson, Engineering Manager
John Carnegie, Customer Services Manager
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER ADOPTION OF AN ORDINANCE AMENDING OLIVENHAIN MUNICIPAL WATER DISTRICT’S ADMINISTRATIVE AND ETHICS CODE (Article 9—Rules Relating to Customer Accounts and Section 13.9—Policy for District Facilities)**

Purpose

The purpose of this item is to implement board-requested changes to Article 9 and Section 13.9 of the Administrative and Ethics Code to address utility conflicts in and around meter boxes as well as future requests for water service to serve accessory dwelling units (ADUs).

Recommendation

Staff recommends approval of the ordinance.

Alternative(s)

- The board may choose not to approve the proposed ordinance; however, this will result in the Administrative and Ethics Code remaining silent on certain future

utility conflicts and on the establishment of services to meet the demand of new ADUs.

- The board may provide staff with direction as to specific elements of the proposed ordinance.

Background

Article 9—Rules Relating to Customer Accounts: At its April 17 meeting, the board considered a claim wherein a non-OMWD utility line was found in an OMWD meter box. At that time, the board requested that staff return with updates to the Administrative and Ethics Code to address such incidents going forward.

Article 13, Section 9—Policy for District Facilities: Rules and Regulations and Fixing Charges for Providing Water Service to Multiple Dwelling Units, Commercial Businesses, Hotels, Motels and Schools: Historically, when ADUs have come to OMWD for processing, the customer would be instructed to connect to the existing private side service if the meter was determined to be the correct and adequate size for its total usage for the property. Conversely, if deemed inadequate for the proposed new demands, the customer would be advised to upsize the existing meter to an appropriate size. While this practice continues, staff has continued to see an increase in ADU development. In June 2019, staff presented a recommendation to the board on how to process water meter applications for ADUs.

At its May 15 meeting, the board approved a heretofore unique request by which the customer at 14740 Las Quintas would install a second service and purchase a second domestic meter to accommodate an ADU on their single parcel. At that time, staff advised that it would return to the board to propose clarifying language in the Administrative and Ethics Code allowing more than one meter at a single property.

Fiscal Impact

There are no direct costs associated with the adoption of the ordinance.

The proposed updates to Article 9 may better prevent future losses associated with utility conflicts in or near OMWD meter boxes. The proposed updates to Section 13.9 will allow staff to better respond to future requests for service to ADUs.

Discussion

The proposed additions of sections 9.4.F. and 9.4.G. to the Administrative and Ethics Code are intended to address the board's request to better prevent interference with the operation and maintenance of OMWD water meters, and to better protect OMWD when unexpected utility conflicts are discovered.

Staff has also proposed minor housekeeping changes to Article 9. For example, Section 9.16.D. currently states that the value of a water leak adjustment will be determined by applying the Domestic Tier 2 water rate to all usage above 25 units. When this language was originally introduced to the Administrative and Ethics Code in 2015, 25 units was the upper limit for the Domestic Tier 2 rate; however, in 2020, the upper limit of the Domestic Tier 2 rate was reduced from 25 to 23 units. The proposed change would realign this reference with the Tier 2 upper limit established in Section 8.1.A.

In Article 13, staff is proposing to update the title of Section 13.9, update Section 13.9.A., and add Sections 13.9.A.13. and 13.9.C.4. to define ADUs, clarify that presence of an ADU does not qualify a property as multi-family, and to define the process by which OMWD will respond to requests to serve ADUs.

Staff identified during review of these articles that further updates to the Administrative and Ethics Code may be advisable to improve clarity regarding payment of capacity fees, applications for water service, changes in meter size, etc. Staff expects to bring additional changes for the board's consideration in 2025 addressing these items.

Attachments:

- *Ordinance No. 5xx*

ORDINANCE NO. 5xx

ORDINANCE OF THE BOARD OF DIRECTORS OF OLIVENHAIN
MUNICIPAL WATER DISTRICT AMENDING THE DISTRICT'S
ADMINISTRATIVE AND ETHICS CODE (Article 9 – Rules Relating to
Customer Accounts and Section 13.9 – Policy for District Facilities)

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

SECTION 1: Article 9 of Olivenhain Municipal Water District's Administrative and Ethics Code, Rules Relating to Customer Accounts, is hereby revised to read as shown on Exhibit A.

SECTION 2: Section 13.9 of Article 13, Policy for District Facilities, of the Administrative and Ethics Code is hereby revised to read as shown on Exhibit B.

PASSED, APPROVED, AND ADOPTED at a regular meeting of Olivenhain Municipal Water District's Board of Directors held this 18th day of September 2024.

Christy Guerin, President
Board of Directors
Olivenhain Municipal Water District

ATTEST:

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

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ADMINISTRATIVE AND ETHICS CODE		

ARTICLE 9. RULES RELATING TO CUSTOMER ACCOUNTS

Sec. 9.1. revised via Ordinance No. 477/ October 14, 2020

Sec. 9.1. revised via Ordinance No. 458/ July 25, 2018

Sec. 9.1. Classifications of Water Service.

1. Domestic Water Service. Includes water used by single-family dwelling units; multi-family dwelling units (duplexes, condominiums, and apartments); trailer space, camper space, and mobile home park units; rooming houses; individual living units; and residential zoned properties in which the primary water use is intended for domestic purposes, including drinking, washing, and restroom use, including schools meeting the aforementioned criteria.
2. Commercial and Industrial Water Service. Includes water used by factories; service stations; garages; laundries; any business normally considered to be commercial or industrial; and commercially zoned properties in which the primary water use is intended for commercial and industrial purposes, including water used to serve areas in which a fee is charged to access the area, including homeowner association common use areas meeting the aforementioned criteria.
3. Irrigation Water Service. Includes water used for the irrigation of open-space.
4. Agricultural Water Service. Includes water used by ranches, nurseries, flower growers, and any endeavor accepted as an agricultural service as defined by its wholesaler San Diego County Water Authority's (SDCWA) Permanent Special Agricultural Water Rate (PSAWR) program.
5. Construction Water Service. Includes water used for various purposes during construction of a project.

Sec. 9.2. revised via Ordinance No. 458 / July 25, 2018

Sec. 9.2. revised via Ordinance No. 442 / July 20, 2016

Sec. 9.2. revised via Ordinance No. 433 / November 4, 2015

Sec 9.2. revised via Ordinance No. 376 / March 24, 2010

Sec. 9.2. Application for Water Meter and Water Service Account.

- A. Effective July 1, 2010, all new water service accounts shall be established and held in the legal (record) owner's name as shown on the San Diego County Assessor's Tax Roll.

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ARTICLE 9. RULES RELATING TO CUSTOMER ACCOUNTS

At the time application for water service is requested and submitted to the District, and at the District’s discretion, the applicant shall provide all of the following:

- (a) proof of ownership of the parcel to be served;
 - (b) assessor’s plat map of parcel to be served (including meter location if there is one), or a Plot Plan, or set a stake showing the desired location of the meter (if there is none, the final location of the meter will be determined by the General Manager or his/her representative);
 - (c) a completed and signed application for water service by the owner of the property;
 - (d) total payment of all costs for and related to meter service connection;
 - (e) if the applicant’s property does not adjoin the District’s right-of-way, proof of easement that may be utilized by the applicant to bring his/her water line to the District’s right-of-way;
 - (f) if a meter is being purchased on behalf of the legal owner by another individual, written authorization to do so shall be provided;
 - (g) two forms of personal identifying information, including, but not limited to, a social security number, date of birth, government issued driver license or identification number, and/or a government passport number.
- B. Application for service will be accepted only where adequate distribution systems have been installed. Cost of service assembly footage above 55 feet from center of public roadway must be paid for by the customer.
 - C. Each commercial, industrial and agricultural applicant shall sign a Cross-Connection Control Questionnaire before applications will be processed.
 - D. Each applicant for service will pay District Capacity Fees, any applicable fees imposed by the San Diego County Water Authority and Metropolitan Water District of Southern California, in addition to meter installation charges (See Section 13.11.).

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ARTICLE 9. RULES RELATING TO CUSTOMER ACCOUNTS

- E. Each applicant may be required to pay a separate Reimbursement Fee if service is to be connected to a line financed by a private proponent under the guidelines of Ordinance No. 6, as amended (See Section 14.1.).

Sec. 9.3. (A), (B), and (C) revised via Ordinance No. 442 / July 20, 2016

Sec. 9.3. revised via Ordinance No. 392 / December 14, 2011

Sec. 9.3.(C) revised via Ordinance No. 381 / August 11, 2010

Sec. 9.3.(C) revised via Ordinance No. 331 / June 9, 2006

Sec. 9.3. Construction Water Service. Construction water service shall be provided as follows:

- A. **Temporary Construction Meter (TCM).** Construction meters for the purposes of construction only for limited periods of up to one year per application, except for the purpose of establishing landscaping on a construction project (See Section 9.3.D), will be installed for contractors on existing service laterals, blow-off assemblies, manual air-releases or fire hydrants. Contractor may be required to connect the meter to a suitable water tank with a slow closing valve, and all water used will be taken directly from tank only. Contractor will be required to complete a Cross-Connection Control Questionnaire and may be required to provide a certified backflow prevention device.
- B. **Temporary Irrigation Meter (TIM).** Irrigation meters for limited periods of up to six months per application will be installed for contractors on existing laterals specifically designated for irrigation meters, or on existing blow-off assemblies, manual air releases, or fire hydrants. Such meters will be for the purpose of initiating landscape growth when required and will either be removed at project completion or replaced by District's permanent meter when the installation meets all requirements of the District's standard specifications for such installations. Contractor will be required to provide a certified backflow prevention device.
- C. A deposit in the amount shown below shall be placed with the District prior to installation of construction meter.

<u>Meter Size</u>	<u>Deposit</u>
Up to and including 1-inch	\$750
1 ½-inch to 2-inch	\$1,500
2 ½-inch to 3-inch	\$2,000

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ARTICLE 9. RULES RELATING TO CUSTOMER ACCOUNTS

Sec. 9.4. Meter Rules.

- A. When property upon which service is requested is located in an area where pipelines have not been installed, a meter shall be set at the nearest main. If the distance from the meter to the service area is in excess of 500 feet, owner/applicant may be required to extend pipeline or enter into a separate agreement for participation in pipeline extension at a later date, at the sole discretion of District (See Section 14.4.).
- B. Service to any property will be granted only when all capacity fees, meter charges, water bills and any other applicable charges due are paid by applicant.
- C. The District makes no guarantee as to the amount of time which will elapse between the customer's application of service and the actual installation of the service, except that installation will be fitted into the District's work schedule at the earliest practical time.
- D. The Board of Directors may regulate the time of use of water in such a manner as will ensure an equitable supply to all consumers concerned.
- E. The District reserves the right to regulate the size, character and location of each meter and service.
- F. The District retains the ownership of meters; meter boxes, lids, and covers; meter transmitting devices; and connecting service pipe assemblies. The District shall allow the customer to access these facilities for the purpose of monitoring water consumption or exercising the shut-off valve. Customer shall maintain adequate clearance of landscape or other obstructions to allow access to the District's meter facilities; a minimum of a 6" perimeter around the meter facilities and 80" of vertical clearance above the meter facilities shall be maintained at all times. If the customer identifies that condition of the meter facilities is such that the meter facilities require repair or replacement, the customer must immediately notify the District.
- F.G. There shall be no modifications to meters; meter boxes, lids, and covers; meter transmitting devices; or connecting service pipe assemblies without prior authorization from the District. There shall be no modifications restricting the District's access to these meter facilities without prior authorization from the District. Modifications that do not adequately protect these meter facilities will not be approved. Protection of the District's meter facilities shall include, but not be limited to,

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ARTICLE 9. RULES RELATING TO CUSTOMER ACCOUNTS

provision for adequate above-ground and subsurface clearance between the proposed modifications and the District's existing or proposed meter facilities, non-interference with maintenance and operation of meter facilities, and non-interference with the District's access to its meter facilities during construction of the proposed modifications.

H. The method used to read each meter shall be determined by the District in its sole discretion. The General Manager, in his/her sole discretion, may allow a customer to opt out of specific meter reading technology. To recover all costs to the District associated with accommodating the request, the requesting customer's account will be assessed on each monthly bill statement a return trip fee (See Section 13.11 B.).

G.I. A customer may have service discontinued and meter locked by notifying the District. During the period of temporary discontinuance, customer will not be charged a monthly service charge. Fees will be charged for turning the service on or off. In the event that a customer should wish to have water service restored, customer shall pay the District's standard fee or cost of restoration, whichever is greater. (See Section 8.~~4011~~. for amount of fees to terminate or re-establish service). (See Section 9.14.C. for water service discontinued due to non-payment of water bill).

H.J. The decision of the District to require a new domestic water service applicant to deposit a sum of money with the District prior to establishing an account and furnishing service shall be based solely upon the credit worthiness of the applicant as determined by the District in accordance with Government Code Section 60375.5. All other service classifications, including agricultural, manufacturing, commercial, temporary service, and construction service, may be required to place a deposit with the District subject to the discretion of the General Manager. Deposits will be refunded upon termination of service, provided all outstanding bills have been paid and refunds due amount to two dollars (\$2.00) or more. (See Section 8.13)

H.K. Meter service may be terminated when required backflow prevention assemblies have not been installed, removed, certified or are inoperative.

Sec. 9.5. Shut-Off Valves.

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The District will provide a shut-off valve on the customer's side of the meter. The shut-off valve is the property of the District and shall not be moved by the customer, but may be operated by the customer.

Sec. 9.6 revised via Ordinance No. 468 / October 16, 2019
Sec. 9.6. revised via Ordinance No. 412 / December 11, 2013

Sec. 9.6. Change of Meter Size.

- A. Should conditions require a larger meter than that already installed, the customer shall pay for a new service assembly of the size required and a new meter assembly, less a credit for the value of materials in the assembly replaced, additional capacity fees, and any applicable charges based on current schedules (See Section 13.11.). If a new service connection is required to accommodate the change in meter size, the customer shall be responsible for all costs related to the abandonment of the old service connection at the main. These costs include the capping of the connection at the main and the removal of the service lateral.
- B. A customer may request that a larger meter be exchanged for a small meter. An analysis will be performed to determine if the dwelling and/or parcel water use requirements support such a downsizing. The final decision to approve or disapprove the request will be made by the General Manager or his/her representative. If the request to downsize is approved, the customer is responsible for any associated costs. No refund of capacity fees will be made as a result of the downsizing.
- C. Where backflow prevention devices are utilized, meter size change requires corresponding backflow assembly size change before meter installation.
- D. It is the sole responsibility of the customer to determine what modifications to the customer's private system may be required to accommodate a change in meter size. The customer is solely responsible for any private side modifications.

Sec. 9.7. revised via Ordinance No. 412 / December 11, 2013
Sec. 9.7. revised via Ordinance No. 352 / September 14, 2007

Sec. 9.7-. Change of Meter Location.

A meter may be moved at the request of a customer from one location to another, on the property served by it. The cost of reinstallation of the meter

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assembly in the new location will be on a time and material basis as set by the District to pay for all costs in providing such services. The customer shall also be responsible for all costs related to the abandonment of the old service connection at the main. These costs include the capping of the connection at the main and the removal of the service lateral. Upon application, a cost estimate will be provided by the District. Refunds without interest will be made if work is less than estimated. Requests for additional funds will be billed to the customer if actual cost to providing such services is greater than estimated.

Sec. 9.8 "Construction Jumpers (other than Construction Meters)" removed via Ordinance No. 392 / December 14, 2011

Sec. 9.9. Fire Connections or Hydrants.

All fire hose connections on District lines are the property of the District. The expense of additional fire connections or hydrants is the responsibility of the fire department/district or property owners concerned, except by specific agreement and with approval of the Board of Directors. Fire hydrants must be of a type approved by the local fire department/district and must be installed in accordance with specifications of the District.

Unauthorized taking of water from District fire hydrants or other appurtenances is considered stealing and is expressly prohibited. Offenders may be subject to legal action by the District.

Sec. 9.10. revised via Ordinance No. 442 / July 20, 2016

Sec. 9.10. revised via Ordinance No. 320 / July 27, 2005

Sec. 9.10, deleted by Ordinance No. 304 / June 25, 2003 (Renumbered accordingly)

Sec. 9.10. Fire Flow Testing

When fire flow residual pressure data is required or requested by a customer, the District shall conduct a fire flow test at a fire hydrant location determined to be representative of the area in which the pressure data is required. (Refer to Section 8.6 for fees and charges)

Sec. 9.11. revised via Ordinance No. 400 / August 22, 2012

Sec. 9.11. Rules and Regulations Governing Cross Connections.

The rules and regulations governing cross connections are set forth in District Ordinance No. 429, and in the Manual of Cross Connection Control, published by the Foundation for Cross Connection Control & Hydraulic Research, University of Southern California.

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Sec. 9.12. Pressure and Pressure Reducers.

- A. In most areas, water pressure in District water lines will normally be greater than required by the customer thus requiring the installation of a pressure regulator on customer's side of meter.

- B. Pressure reducers may be installed at the main with the meter installation at the time the meter is installed by and at the expense of the District. The pressure reducer will be installed at the discretion of the District and only when there is the possibility that the District's meter installation may be damaged. The meter applicant must be aware that the District may have excess pressure in some areas of the District and that the applicant must take precautions to protect his/her own water system.

Sec. 9.13 revised by Ordinance No. 442 / July 20, 2016

Sec. 9.13. revised by Ordinance No. 433 / November 4, 2015

Sec.9.13.(E) revised by Ordinance No. 362 / June 25, 2008

Sec. 9.10, deleted by Ordinance No. 304 / June 25, 2003 (Renumbered accordingly 9.14. became 9.13.)

Sec. 9.13. Terms of Water Service.

- A. By entering into water service with the District, the property owner and, if applicable, tenant/lessee establishing service to a property served by a District meter acknowledge that they agree to all terms and conditions for customer accounts established in the Administrative and Ethics Code and to be bound by the terms and conditions thereof, including those specified herein. All customers shall be furnished at the time that service is started with notice of where the terms of service are located.
 - 1. All Customers. Pressure in the District's system, measured in pounds per square inch, may vary widely as a result of peak and seasonal demands and changes in elevation. Water service will not be less than 25 pounds per square inch and not more than 200 pounds per square inch. Some properties in the District have a pressure regulator after the meter; the condition or performance of the regulator is the responsibility of the property owner.

 - 2. Property Owner. Customer is responsible for the payment of water service and other services provided to customer's property by the District in accordance with District rules, rates, and regulations. The District has the authority to change its water rates and service fees and charges at any time without customer consent. It is the

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customer’s responsibility to notify the District of any changes in the customer’s mailing address, telephone number(s), or other contact information provided to the District. Customer must contact the District at least three days prior to moving out of the property served by the District to close the account. It is the customer’s responsibility to notify the District if choosing to lease the property but retain water service in his/her name. Customer accepts financial responsibility and liability for water service fees and charges for the property served by the District, and any unpaid or delinquent water fees or charges, penalties and interest, insufficient fund charges, and fees for termination or reestablishment of service related thereto that are due and owing on the customer account. Customer is responsible for costs and expenses incurred by the District to collect the total amount due. In the event that the District is forced to retain an attorney to collect the amount due, customer must pay any attorney’s fees, court costs, and litigation expenses.

3. Property Owner of Leased Property. Property owner is responsible for the payment of water service and other services provided to customer’s property by the District in accordance with District rules, rates, and regulations. The District has the authority to change its water rates and service fees and charges at any time without property owner consent. As a courtesy to the property owner, the District may agree to send all bills for water service to the property served by the District to the property owner’s tenant/lessee, and the tenant/lessee is the party responsible for making monthly payments to the District for water services to the property served by the District. The District will extend this courtesy to future tenants/lessees unless otherwise notified by the property owner. It is the property owner’s responsibility to notify the District of any changes in the mailing address, telephone number(s), or other contact information provided to the District. The property owner must contact the District at least three days prior to the tenant/lessee moving out of the property served by the District; in such event, property owner may become the customer of record to continue water service to the property served by the District. Property owner accepts financial responsibility and liability for water service fees and charges for the property served by the District, and any unpaid or delinquent water fees or charges, penalties and interest, insufficient fund charges, and fees for termination or reestablishment of service related thereto that are due and owing on the customer account that are not paid by the tenant/lessee. The District will apply any tenant deposit to any

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amount owing before seeking collection from the owner. Property owner is responsible for costs and expenses incurred by the District to collect the total amount due. In the event that the District is forced to retain an attorney to collect the amount due, property owner must pay any attorney's fees, court costs, and litigation expenses.

4. Tenant/Lessee of Leased Property. At the District's discretion, a tenant or lessee may request water service for a property. Tenant/lessee is responsible for the payment of water service and other services provided to the leased property in accordance with District rules, rates, and regulations. Tenant/lessee will pay a deposit to establish service at the leased property (Section 8.13.) and will be the party responsible for making payments to the District for water services. The initial bill will include a charge for this deposit, and when the account closes, the deposit will be applied to the closing bill. The District has the authority to change its water rates and service fees and charges at any time without tenant/lessee consent. Tenant/lessee agrees to pay all fees/charges imposed by the District for services provided to the tenant/lessee. As the property owner may be subject to a lien for unpaid balances, property owner will be notified when tenant/lessee's account becomes past due; notification will include amounts owed and due dates.

Sec. 9.14 revised by Ordinance No. 468 / October 16, 2019

Sec. 9.14. revised by Ordinance No. 458 / July 25, 2018

Sec. 9.14 (C) revised by Ordinance No. 496/ November 17, 2021

Sec. 9.14 (C) revised by Ordinance No. 449 / May 17, 2017

Sec. 9.14 (L) revised by Ordinance No. 449 / May 17, 2017

Sec. 9.14 (C) revised by Ordinance No. 444 / October 19, 2016

Sec. 9.14. (J) revised by Ordinance No. 442 / July 20, 2016

Sec. 9.14. revised by Ordinance No. 433 / November 4, 2015

Sec.9.14.(A) revised by Ordinance No. 296 / July 24, 2002

Sec. 9.14. Payment of Water Bills.

- A. Water bills are due and payable upon presentation. Bills may be paid at the office of the District; by mailing to the District's lock box, the address for which is printed on the billing statement; via the toll-free number printed on the billing statement; or electronically via the District's website.
- B. All meters shall be read and billed monthly.

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- C. Payments are due 25 days following the bill date. A delinquency penalty will be charged if payments are not received before the tenth business day following the payment due date in accordance with Section 8.9.

At least 15 days prior to discontinuance of service due to non-payment of water bills, the District will mail delinquent notices to customers with past due water bills.

The District will mail delinquent notices to customers making payments under an amortization agreement but will not assess a delinquency penalty on any balance for which the amortization agreement was established.

Service will not be discontinued for non-payment until any portion of a bill has been delinquent for at least 60 days and the customer has been contacted by telephone or written notice at least seven business days before discontinuation. At least forty-eight (48) hours prior to discontinuance of service due to non-payment or as otherwise provided for by this Administrative and Ethics Code, the District will deliver to the property a ~~shut-off~~disconnection notice. A final attempt to contact the customer by telephone will be made at least twenty-four (24) hours prior to discontinuance of service.

Customers will incur a ~~Shut-Off~~Disconnection Notice Fee whenever the District is required to deliver a ~~shut-off~~disconnection notice to terminate water service due to non-payment of a water bill (See Section 8.10.).

- D. Service will not be discontinued if all of the following conditions are met prior to disconnection:
 1. ___ Customer provides the certification of a licensed physician, including the physician’s license number, that discontinuation of water service will be life-threatening to, or pose a serious threat to the health and safety of, a resident of the premises.
 2. ___ Customer demonstrates a financial inability to pay for service within the normal billing cycle. The customer shall be deemed financially unable to pay for service if any member of the customer’s household is a current recipient of CalWORKs, CalFresh, general assistance, Medi-Cal, Supplemental Security

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Income/State Supplementary Payment Program, or California Special Supplemental Nutrition Program for Women, Infants, and Children, or the customer declares that the household’s annual income is less than 200 percent of the federal poverty level.

- 3. Customer is willing to enter into an amortization agreement as specified in the preceding paragraph if the customer is financially unable to pay for service within the normal payment period. If these requirements are met, water service shall not be discontinued so long as the customer remains current with the terms of the amortization agreement. In the event that the customer fails to comply with the terms of the amortization agreement or fails to keep the water service account current as charges accrue in each subsequent billing period, water service may be discontinued.

If these conditions are met, the District will offer either, in its discretion, amortization of the unpaid balance or temporary deferral of payment. Should the District establish an amortization agreement with a customer, the District will not discontinue service to the customer making payments under an amortization agreement (not to exceed 12 months), if payments under the agreement and subsequent charges for water use are both kept current as charges accrue in each subsequent billing period. If a customer fails to comply with an amortization agreement or deferral for 60 days or more, or if a customer undertaking an amortization agreement or deferral does not pay current service charges for 60 days or more, the District will deliver to the property at least five business days prior to discontinuance of service a ~~shut-off~~disconnection notice.

If eligibility for exemption is determined subsequent to disconnection of water service, the portion of the customer’s balance that is past due must be received in order to restore water service.

- E. Payment for the final water bill for a closed account is due 25 days following issuance.
- F. The District may, at its discretion, and for the convenience of the customer, accept an advance payment for a period of time.
- G. The District shall make a charge to customers’ accounts for any rejected payment not caused by the District (See Section 8.12.). Customers who have had returned payments by the bank may be

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required to pay future bills by cash, money order, or cashier’s check. The District may allow such customers to continue to pay by check if checks are submitted by the 18th day following the bill date each month.

H. Any customer desiring water service from the District who has had service discontinued for non-payment of a bill at any time or whose check has been returned by the customer’s bank shall be required to post a security deposit equal to three times the estimated average monthly bill in addition to any other applicable deposits required. Additionally, customers may be required to provide two forms of personally identifying information in accordance with Section 9.2.A.g. if not already furnished.

(a) This deposit is in addition to the payment of all charges due and any applicable re-establishment of service charges (See Section 9.14.C., Section 8.49, Section 8.910, and Section 8.4211).

(b) The General Manager may waive or adjust the security deposit requirement with sufficient written justification.

(c) The security deposit will be applied to account holder’s final bill.

(d) The security deposit can be cash, a certificate of deposit, letter of credit or bond, or any other comparable guarantees approved by the District’s General Manager. No interest shall be paid on any deposit.

I. Water service will be re-established only after outstanding water charges and penalties, and any and all applicable re-establishment of service charges and deposits are paid in full pursuant to this Administrative and Ethics Code (See Section 8.9, Section 8.10, Section 8.11, Section 8.12, Section 8.13, and Section 9.14.C).

J. An unpaid or delinquent bill is the responsibility of the person in whose name the water service is held. In the event the service is in the name of a renter or lessee, water service will not be re-established in the name of such renter or lessee or any other current or subsequent renter or lessee, but shall be established and held in the legal (record) owner’s name as shown on the San Diego County Assessor’s Tax Roll in accordance with Section 9.2.A.1.

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K. In case any charges for water or other services, or either, remain unpaid the amount of the unpaid charges may in the discretion of the District be secured at any time by filing for record in the office of the county recorder a certificate specifying the amount of such charges and the name and address of the person liable therefor.

L. To make collection of any bill which remains delinquent for 60 days, the District may establish a lien or liens against the property served or any other San Diego County property owned by the water account holder as provided for below.

1. After providing written notice to the legal owner of the land or property, as shown on the San Diego County Assessor’s tax roll, accruing unpaid water and other service charges, that such charges are delinquent and unpaid, the District may secure payment of unpaid water bills and other service charges by filing for record in the office of the San Diego County Recorder a certificate specifying the amount of such charges and the name and address of the person liable therefor.

2. From the time of recordation of the certificate, the amount required to be paid, together with interest, penalties, and a pass-through of any fee imposed upon the District to file the lien, constitutes a lien upon all real property in the county owned by the person or afterwards and, before the lien expires, acquired by him or her.

3. The lien has the force, priority, and effect of a judgment lien and shall continue for 10 years from the date of the filing of the certificate unless sooner released or otherwise discharged, and may be extended by filing for record a new certificate.

4. The District may place additional lien(s) on the property by adhering to the measures above.

5. To make collection on charges that are delinquent and unpaid and have been outstanding for sixty (60) days or more on July 1 of each year, the District may establish a tax lien against the property served as provided for below.

(a) After providing written notice to the legal owner of the land or property, as shown on the San Diego County Assessor’s tax roll, accruing unpaid water and other service charges that such charges are delinquent and unpaid and have been outstanding for 60 days or more

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on July 1, the District may, on or before August 10 of each year, certify to the Board of Supervisors and San Diego County Auditor and Controller that such delinquent and unpaid charges have been requested in writing from the legal owner holding title to the land or property.

- (b) The amount of such charges for water or other services will be added to and become a part of the annual taxes next levied upon all real property in the county owned by the delinquent owner and shall constitute a lien on all such property in the same manner as a tax lien securing such annual taxes.
6. The District will discharge the lien(s) placed upon the property upon receipt by the District of any and all fees owed on the account, including but not limited to those fees included in the lien(s).
- (a) Liens being paid through escrow would be paid in full providing escrow to close and the District to place the water service in the new owner's name.
 - (b) Liens being paid by the homeowner to have the lien removed would warrant that a deposit be placed as protection for the District; however, a deposit would not prevent a new lien from being recorded should conditions lead to the filing of a new lien in accordance with Section 9.14.J.
- M. In the event that normal collection procedures do not receive payment for accounts that remain unpaid more than 45 days after the final bill has been issued, the District may turn over uncollected amounts in excess of \$25 to a private collection agency.
- N. In accordance with Title 11 U.S.C. 366 of the Bankruptcy Code ("Bankruptcy Code"), the District will not alter, refuse, or discontinue service to a customer or trustee in bankruptcy as long as the appropriate security deposit is paid. The District will not discriminate against such customer or the trustee in bankruptcy of said customer, based on the filing of a petition under Title 11 U.S.C. ("Petition Date") or on the basis of a debt owed for service rendered prior to the Petition Date which was not paid when due. Within 20 days of the Petition Date, the customer or the trustee in bankruptcy of the customer shall furnish the District with a cash deposit to assure payment of future

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billings for services provided by the District after the Petition Date. The cash deposit shall be equal to two times the normal deposit (see Section 9.14.F). The deposit shall be refunded seven years after completion of all bankruptcy proceedings or termination of the service, whichever is sooner, provided that all amounts owed the District for service provided after the Petition Date have been paid. The deposit shall also be refunded if the customer voluntarily pays the District the debt originally discharged in bankruptcy. The District will discontinue service, unless such security deposit is received within 20 days of the Petition Date. Service may be discontinued for nonpayment for services rendered after the Petition Date. As used herein, Petition Date has the same meaning as given in the Bankruptcy Code. The Petition Date shall, in a voluntary case, constitute the commencement of the case and/or an Order for Relief.

- O. In the event of overcharges or erroneous charges, a refund may be due to the customer. The District shall refund to customers overpayments made up to 12 months prior to the date of discovery. The General Manager, or his/her designee, shall have the authority to approve refunds for a longer period at his/her sole discretion.

Sec. 9.15. Adjustment for Meter Error. Should any meter in service fail to register during the month, the customer will be billed for the estimated use of water as determined by the District from water usage information available or from prior water usage records.

Sec.9.16. revised by Ordinance No. 433 / November 4, 2015

Sec. 9.16. Water Leak Adjustments. The General Manager and/or his/her designee is authorized in their discretion to make adjustments to variable water charges for a billing period in which an apparent water loss occurred due to a broken pipe and/or plumbing fixture that caused exceptionally high water consumption compared to consumption history for the property during the same billing period. Adjustments will be determined using the following criteria:

- a) The customer must not have received an adjustment at the same property under this policy in the past 60 months.
- b) A District leak appeal form must be properly completed by the customer and submitted to the District with required documentation within 25 days of the statement date of the bill in question.

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- c) A maximum of two billing periods will be considered for an adjustment.
- d) The value of the adjustment for Domestic customers will be determined by applying the Tier 2 water rate to all usage during the affected billing period(s) that was charged at Tier 3 and Tier 4 rates. The value of the adjustment for all other customers will determined by applying the Domestic Tier 2 water rate to all usage above 2523 units during the affected billing period(s). No adjustment shall exceed \$750.
- e) No adjustments will be given if the District determines excessive water flow was caused by the customer’s negligence or non-responsiveness to warning signals such as higher water and/or sewer bills, leak notifications, visible water, or other factors that should have made the customer reasonably aware of the existence of a broken pipe and/or plumbing fixture.
- f) No adjustments will be given if a third party is responsible for water loss at the customer’s property and can be pursued for reimbursement by the customer.
- g) No adjustments will be given due to the resetting of irrigation timers at the customer’s property, whether intentional or not.
- h) The District is not responsible for any leak due to lack of notification and no adjustment will be given for this reason. It is the customer’s responsibility to determine leaks and/or excessive water use.
- i) The General Manager is not obligated in his/her sole discretion to grant any adjustment.

Sec. 9.17. Resale of Water. No customer within the boundaries of the District may enter into any contract or agreement to resell any portion of the water to which he is entitled without the special permission of the Board of Directors ~~of the District.~~ The price of any water so sold is to be fixed by said Board of Directors. No customer outside of the District will be permitted to resell any water purchased from the District under any condition whatsoever.

Sec. 9.18. Unauthorized Use or Waste of Water. No customer may use water upon any tract of land other than that covered by his application for service. No customer shall knowingly permit leaks or waste of water.

Sec. 9.19. District’s Right of Inspection. The officers and agents of the District shall have unrestricted access at reasonable hours to all premises supplied by the District to inspect the supply system, meter or other measuring apparatus, and to see

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that the rules and regulations of the District regarding the taking, use, or waste of water are being observed.

Sec. 9.20. Connecting of Services. Only duly authorized employees of the District are allowed to connect or disconnect the customer's service.

Sec. 9.21. revised by Ordinance No. 458 / July 25, 2018

Sec. 9.21. Damage to District's Property.

- A. Any damage occurring to a meter or other appliances, pipes, or any property of the District, caused by negligence, neglect, or knowing and willful action of the customer or non-customer, must be paid for by the customer on presentation of a bill thereof, and within 60 days of notice of claim for non-customers.
- B. District inspection and line location staff are available to mark the location of underground District facilities. –Customers are advised to consult with District staff before commencing construction or landscape work.

Sec.9.22. revised by Ordinance No. 433 / November 4, 2015

Sec. 9.22. Discontinuation of Service. Water service may be discontinued at the District's discretion for violation of or failure to adhere to any section(s) of this Administrative and Ethics Code or ordinance(s) passed by the Board of Directors. In order to reinstate service to the property, the violation(s) must be remedied to the satisfaction of the District.

Sec. 9.23. Interruption of Delivery. In case of necessity, water may be turned off from the District's mains and conduits.

Sec. 9.24. Service Outside District Boundaries. Special rates for the above classes of service may be determined and charged by the Board of Directors for water served outside the District's boundaries in accordance with Section 71612 of California Water Code.

Sec. 9.25. Delinquent Charge on Invoicing (Other than Water Sales). All invoicing on accounts other than water sales which remain unpaid thirty (30) days or longer shall be assessed 1½% per month for each month until all charges are paid in full.

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ARTICLE 9. RULES RELATING TO CUSTOMER ACCOUNTS

Sec. 9.26. Temporary Meter Installations. A temporary meter installation is a meter installed to provide residential, commercial, industrial or agricultural water service for a period of one year or less, and is not to be confused with meters installed to provide construction or irrigation water service.

Installation charges and capacity fees for temporary meter installations shall be in accordance with Section 13.11.

Sec. 9.27. Enforcement of Water Conservation Ordinance. California Water Code sections 375 et seq. authorize the District to adopt and enforce a comprehensive water conservation program. Additionally, California Water Code sections 350 et seq. authorize the District to declare an emergency condition and implement water rationing and restrictive water use regulations in a water shortage emergency. Upon adoption of either such ordinances under California Water Code, the General Manager or his/her designee is authorized to implement the provisions of these ordinances.

Sec.9.28. revised by Ordinance No. 433 / November 4, 2015

Sec. 9.28. Communication Regarding Customer Accounts. As a convenience to consumers, the District may use SMS/text messaging to communicate certain account related information including, but not limited to, account balance notifications, payment receipt acknowledgement, payment reminders, service outages, planned maintenance, and other relevant account related notifications. The District uses standard text messaging to perform these communications and does not charge customers for receiving such communications. However, standard text message charges may apply from customer wireless providers, depending on the customer’s text message plan. Participation in this communication program is optional. Customers enrolled in the program wishing to discontinue receipt of SMS/text messages from the District are advised to respond with “STOP” to a District SMS/text message.

Sec.9.29. revised by Ordinance No. 458 / July 25, 2018

Sec. 9.29. Critical ~~Health or Safety Impact to~~ Customers. It is the customer’s responsibility to notify the District of any extraordinary conditions that may exist in which a disruption in service or a change in water chemistry could result in harm, damage, or a life-threatening condition.

Sec.9.30. revised by Ordinance No. 468 / October 16, 2019

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Sec. 9.30. Customer Access to Water Usage Data. Data collected from customer meters may be used by the District in any lawful manner and is intended for the sole benefit of the District. Nonetheless, the use of advanced metering infrastructure at customers' properties may allow the District to offer incidental tools to help customers monitor water use and detect potential leaks. The District may offer an online water use portal or similar tools ("portal") to its customers. The portal is intended to allow customers to monitor their water use online. Subject to availability, customers are encouraged to regularly review water use using the portal. Using the portal, customers may also be able to register for notifications when continuous water use exceeds a specified threshold or period of time. Participation in the use of the portal is voluntary, and subject to the terms and conditions described below, in addition to any terms and conditions on the District's website or related to a particular portal. As a condition of using the portal, customers understand and agree to the following:

1. The District makes no representations or warranties, express or implied, as to the accuracy, operation, or availability of the portal. The portal may be unavailable or inaccurate due to technical issues, including, but not limited to, internet connectivity outages, phone/SMS/email delivery issues, system reporting errors, and system signal interruptions.
2. The portal is intended to provide helpful monitoring and notification tools. The customer shall remain responsible for monitoring water use, maintaining water lines beyond the meter, determining the cause of any continuous flow, and repairing any leak. The District assumes no responsibility or liability for contacting or notifying customers or any third party of any abnormalities or variations in a customer's water usage which may indicate a water leak at his or her property. Customers remain responsible for all water use at their property and for the payment of fees for all water used, including water used before and after receiving any notification of continuous flow. The customer shall rely solely upon his or her own judgment with regard to any information supplied by the District in connection with the portal.
3. The District neither undertakes nor assumes any responsibility for or duty to the customer or any third party for the operation, maintenance, review, or inspection of water lines or facilities beyond the District's meter, or to inform the customer or any third party of any leaks or damage resulting from the operation and maintenance of such lines or facilities, or for any service, equipment or material furnished for such

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lines or facilities. Customers and all third parties shall rely upon their own judgment regarding such matters, and any review, inspection, supervision, exercise of judgment or information supplied to customers or to any third party by the District in connection with the data collected from the District's meter reading system is for the benefit of the District.

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ARTICLE 13. POLICY FOR DISTRICT FACILITIES

Sec. 13.9. revised via Ordinance No. 320 / July 27, 2005

Sec. 13.9. Rules and Regulations and Fixing Charges for Providing Water Service to ~~Common Area Multi-Family ple Dwelling Units~~, Commercial Businesses, Hotels, Motels and Schools.

- A. Definitions. As used in this Section, the following terms shall have the following meaning:
1. Dwelling Unit. Any unit of housing or space designated to be occupied as a residence by one family or single occupancy.
 2. ~~Common Area Multi-Family ple Dwelling Unit.~~ Any combination of dwelling units with areas shared in common with other dwelling units, e.g., condominium, apartment, mobile home park, and other similar types of coordinated residential housing.
 3. Common Elements. The elements of the property owned and/or shared mutually among the unit owners, e.g., basements, yards, parking, storage, community facilities, elevators, utilities, etc.
 4. Management Body. A corporation, association, directors, or other entity or individual acting for and on behalf of the unit and is such owner's agent for the purpose of contracting for water service with the District.
 5. Developer. The owner and/or builder of the units (apartment, trailer park, single family house, or other dwelling units) for sale.
 6. Business. Any commercial, industrial, mercantile or professional activity customarily engaged in as a means of livelihood.
 7. Motel and Hotel. An establishment renting or leasing dwelling space on a limited time or temporary basis for the accommodation of transients.
 8. Schools. An institution or place for instruction or learning, acquiring knowledge or mental training.

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9. Fixture Count. The number of water-demanding devices or fixtures, including all faucets, toilets, showers, irrigation hose bibs, and any other equipment from which water is dispensed. The International Association of Plumbing Mechanical Officials (I.A.P.M.O.) Uniform Plumbing Code will be used as the basic guideline, adjusted by District to serve individual circumstances.
10. Fixture Unit Value (FUV). The fixture unit value (FUV) is a weighted evaluation of each fixture's water usage in gallons per minute. The cumulative FUV will be used to determine meter sizes in appropriate cases. The I.A.P.M.O. Uniform Plumbing Code will be used as the basic guideline, adjusted by District to serve individual circumstances.
11. Equivalent Dwelling Unit (EDU): An EDU is based on the average daily water usage of 802 gpd (gallons per day) for the single family residence as a dwelling unit and requires a 3/4-inch meter.
12. Development. Any project composed of more than one unit to be served - principally pertaining to dwelling or similar type units.
13. Accessory Dwelling Unit (ADU). An ADU is accessory to a primary residence and has complete independent living facilities for one or more persons. A single parcel containing a primary residence and an ADU shall not be considered multi-family for purposes of establishing an account, capacity fees, or billing services.

B. Approval of Plans and Specifications.

1. Prior to the commencement of construction, the developer shall submit to the District's General Manager and Consulting Engineer detailed plans and specifications of the water system to serve the development, which will be constructed, dedicated and conveyed to the District.
2. The plans and specifications shall comply with the criteria in standard plans and specifications established by the District.
3. The developer shall deposit such fees and bonds and shall enter into such agreements as are required by the District for the development.

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C. Service as Single Family Dwelling.

1. Where the units to be constructed are on individual parcels of land, the fee of which is conveyed to the owner of the unit, District may require or the developer may at his option elect to have the dwelling unit treated as a subdivision of individual parcels.
2. Developer shall comply with all rules, regulations and charges contained within this Administrative Code relating to single family dwellings, including, but not limited to, the individual metering of all such units.
3. The decision shall be made at the time Developer seeks approval of water system to serve the development and the election shall not be altered without the written approval of the District's General Manager and Consulting Engineer.
4. For requests to serve an ADU, each ADU will be analyzed to determine if the existing water meter has the capacity to provide both domestic and fire flow. Most ADUs added to existing served parcels will require at least a 1-inch meter, and the Developer may be required to upsize an existing meter, with a credit considered for any existing meters. Depending on the ADU and required demands, a second service may be required at the discretion of the General Manager.

D. Multi-Metering Permitted.

1. The District may approve the metering of a multiple dwelling unit on a single meter, including the metering of the common area, separately or in conjunction with units where the plans and specifications provide that such metering shall be done in accordance with District's standards and in conformity with good engineering practices.
2. The installation must safeguard the system and protect the future owners of the units to be sold by the Developer.

E. Acceptance of the System and District Responsibility.

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1. The District shall not be obligated to supply water to the dwelling units until the District has inspected the system and accepted the same in writing and the Developer has complied with all of the provisions of this Code.
2. The installation must safeguard the system and protect the future owners of the units to be sold by the Developer.

District shall be responsible only for the operation and maintenance of that portion of the system conveyed to and accepted by the District and in no case shall the District be responsible for the maintenance or operation of any portion of the system beyond the District's meters.

F. Capacity Fee Payable Prior to Installation of Meter.

1. Developments. Prior to the installation of any meter intended to serve more than one unit, and in addition to the charges made for the cost of installing said meter, Developer shall pay a base capacity fee for the specific size meter to be installed. The base capacity fee includes an allowable number of dwelling units to be served through various meter sizes based upon Dwelling Unit Equivalent for a 5/8-inch meter. If the approved units will exceed this allowable base, an additional charge will be assessed for each additional unit over allowable base at the rate of 5/8" meter capacity fee. If the base capacity and/or base volume requirements (of any of the units to be served) exceed those of a 5/8" meter, specific fee calculations by the District will be required.
2. Business. Businesses/commercial projects which use water only for domestic, sanitation facilities, and other common needs shall be charged a base capacity fee determined by the size of meter to be installed. The base capacity charge includes a base volume utilizing 802 gallons per day per EDU, which is determined by the meter size. If anticipated usage will exceed this base volume, the base capacity charge for the meter will increase in the ratio of anticipated volume over base volume. In order to estimate anticipated volume, the establishment's fixture unit count will be utilized in relation to a single family dwelling unit.
3. Hotels and Motels. Hotels and motels will be charged a base capacity fee determined by the size meter to be installed. For

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purposes of computing potential additional units charge under "F" above, these units will be rated at one-half a normal unit.

4. Schools. Schools shall be charged a base capacity fee on the same basis as businesses/commercial projects. See 13.9.F.2 above.
- 5a. Certain projects presented to the District for water service will require specific determination from the District for a capacity fee charge. Such projects as golf courses, water-intensive industrial, manufacturing, irrigation, and various other projects requesting meters will be evaluated separately by the District. Such projects will be required to submit detailed water demand and usage estimates. Such estimates will be evaluated with respect to the system effect and to equivalent capacity fees to be charged.
- 5b. The Board of Directors may grant variations from established fees in those circumstances where it deems such variations appropriate.

G. Installation Charges.

1. The charges for the installation of meters and meter service connections necessary to provide water service from the District's mains to the units shall be those set forth in Section 13.11. of the Administrative Code of the District.
2. Where the District has established special charges for designated areas, these sums shall be collected also prior to the installation of the meter.
3. Reimbursement Agreement Fees. (See Article 14.)

H. Water Rates.

1. The water rates for all water sold within the development shall be those under Section 8.1. and shall include the monthly minimum service charge provided for such class under Section 8.2.
2. Any owner-occupant may elect to be served by a separate water meter for that unit, with prior approval of the District.

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3. An applicant electing to have one meter for more than one unit under multiple ownership shall be required to execute the appropriate agreement with the District (Declaration of Restriction and Covenant) prior to approval by the District for this arrangement. Such arrangements will be considered on a case-by-case basis by District, whose sole discretion and decision shall prevail. (See Article 13.9.L)

4. The monthly charges for water shall be billed by the District to the managing body who shall assume full responsibility for the payment. Such charges shall be paid within the time prescribed by Section 9.12. The District reserves the right to shut off the water to the meter in accordance with the provisions of that Section.

- I. District's Waiver, Declaration of Servitude, and Agreement for Common Areas to Assume Tax Lien for Delinquent Water Bills.
 1. The owner shall record a Declaration of Restrictions, ensuring to the benefit of the District, pursuant to Section 1355 of the Civil Code, whereby unpaid water charges shall become a servitude and lien upon both the common area and each individual unit and shall be enforceable as otherwise provided by law, including, but not limited to, the procedures set forth in Sections 72100 and 72101 of the California Water Code, for all delinquent water bills for water supplied to any or all parts of a development, condominium, apartment, multiple dwelling unit, commercial business, hotel and motel or school.

 2. The Declaration shall expressly provide that it may not be cancelled or changed without prior written approval of the District.

 3. A copy of the recorded document shall be provided to the District by the Developer prior to approval of the water system plans and specifications.

Memo

Date: September 18, 2024
To: Olivenhain Municipal Water District Board of Directors
From: Brian Sodeman, Customer Service and Public Affairs Supervisor
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER INFORMATIONAL REPORT ON WATER USE EFFICIENCY REGULATIONS**

Purpose

On August 20, 2024, staff presented an informational report on the recently adopted water use efficiency regulations, including an analysis of the impact on OMWD, to the Ad Hoc Customer Outreach and Conservation Committee, consisting of President Guerin and Director San Antonio. The committee directed staff to bring the information report to the full board.

The purpose of this item is to provide the board with information regarding the recently adopted water use efficiency regulations, including an analysis of the impact on OMWD.

Recommendation

This is an informational item; no action is required.

Alternative(s)

Not applicable; informational item only.

Background

In 2016, then Governor Brown issued Executive Order B-37-16 entitled “Making Conservation a California Way of Life,” setting forth actions to use water more wisely, eliminate water waste, strengthen local drought resilience, and improve agricultural water use efficiency and drought planning.

In 2017, the California Department of Water Resources, SWRCB, California Public Utilities Commission, California Department of Food and Agriculture, and California Energy Commission completed a framework on implementation of EO B-37-16. Additionally, two bills— Senate Bill 606 and Assembly Bill 1668—were introduced in the legislature requiring SWRCB to adopt water conservation guidelines consistent with EO B-37-16.

In 2018, OMWD sent opposition letters on Senate Bill 606 and Assembly Bill 1668; however, both became law and required retail water agencies, including OMWD, to meet an annual water use objective based on residential indoor and outdoor consumption, commercial water use, and water loss.

In 2023 and 2024, SWRCB released multiple versions of draft water use efficiency regulations. OMWD submitted comment letters, provided input at workshops, and Nossaman staff met with SWRCB chair and members.

On September 14, 2023, an informational report on the legislative and regulatory status specific to water use efficiency was presented to the Ad Hoc Customer Outreach and Conservation Committee, consisting of President Guerin and Director San Antonio.

On December 12, 2023, an informational report on water use efficiency regulations was presented to the board at its regular meeting.

On February 21, 2024, the board adopted OMWD’s 2024 annual objectives. Objective 35 is “Upon adoption of SWRCB water use efficiency regulations, perform analysis and report to Customer Outreach and Conservation Committee.”

On July 3, 2024, SWRCB adopted water use efficiency regulations.

Fiscal Impact

There are no costs directly associated with this informational report. Costs to conduct legislative and regulatory activities were anticipated in the board-approved budgets for FY 2025 and FY 2026.

Discussion

Staff will review the attached presentation with the board at the September 18, 2024 meeting and be available for further discussion.

Attachments: PowerPoint presentation

WATER USE EFFICIENCY REGULATIONS

September 18, 2024



History

2009 – SB x7-7 (20% by 2020)

OMWD's baseline GPCD was 352. 2020 target was 282. Actual GPCD in 2020 was 206 (41.5% reduction).

2016 –EO B-37-16 (Making Conservation A California Way of Life)

Develop water use targets for indoor residential, outdoor irrigation, CII, and water loss.

2018 –SB 606 & AB 1668 (Water Use Efficiency legislation)

Required DWR to make recommendations by October 1, 2021 and SWRCB to adopt standards by June 30, 2022. OMWD submitted multiple opposition letters on both bills.

2021 – OMWD's Water Shortage Contingency Plan adopted.

History

2022 – DWR made recommendations on October 28, just over a year late. OMWD contributed to recommendations by being part of a pilot study on outdoor landscape area, a panel member of the Standards, Methodologies and Performance Measures workgroup, submitting comment letters, and providing testimony.

2023 – SWRCB released draft standards on August 18. OMWD submitted comment letters, provided input at workshops, and Nossaman staff met with SWRCB chair and members.

2024 – SWRCB adopts regulation July 3, just over two years late. Minor updates to address typos and housekeeping issues permissible.

History

- From 2009 to present, OMWD has testified at the State Water Resources Control Board several times, including the General Manager and Board President, and written dozens of letters stating our concerns. The Customer Service and Public Affairs Supervisor has served on several committees and worked with WaterReuse Association California on a variance for recycled water with high TDS, as well as a variance for impacts to wastewater operations.

Water Use Efficiency Formula

- An aggregate use target in AF/Year will be calculated for each retail agency

$$\text{Target Amount} = \text{Indoor} + \text{Outdoor} + \text{CII} + \text{Loss} + \text{Variances} + \text{Provisions} + \text{Bonus}$$

Indoor Residential Portion of Target

$$\text{Indoor Target} = (\# \text{ of Residents}) \times (\text{Indoor GPCD standard}) \times \text{days of year}$$

Table 1: Residential indoor standard as defined in Water Code Section 10609.4

	Residential Indoor Standard (GPCD)
Through December 31, 2024	55
From January 1, 2025, through December 31, 2029	47
January 1, 2030, onwards	42

Outdoor Irrigation Portion of Target Residential and CII with Irrigation Meters

$$\text{Outdoor Target} = (\text{Efficiency standard}) \times (\text{Landscape Area}) \times (\text{Net Evapotranspiration})$$

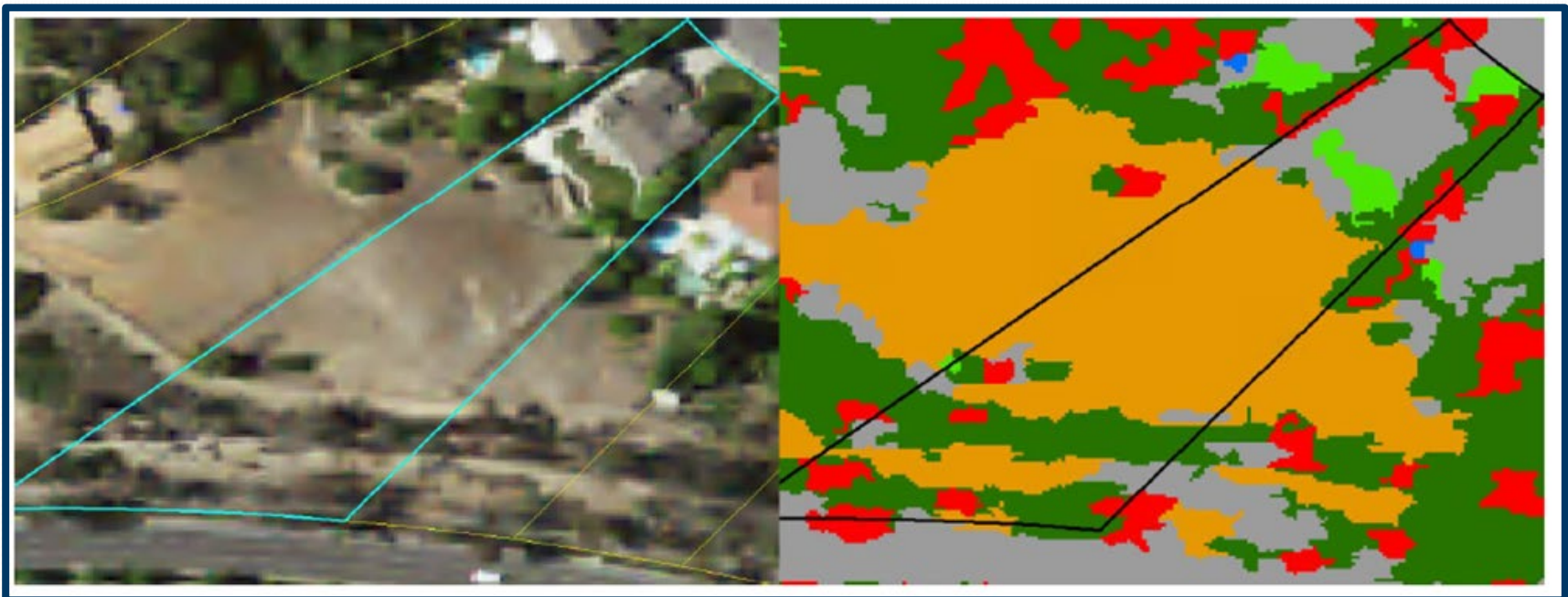
	Landscape Efficiency Factor
Through June 30, 2035	80%
July 1, 2035 through June 30, 2040	63%
July 1, 2040 and onward	55%
Residential special landscapes	100%
Newly constructed landscapes	55%

Landscape Area Measurements

Irrigable, irrigated – able to be irrigated and currently is (live landscapes). 100% area included.

Irrigable, non-irrigated – was irrigated but no longer is (dead landscapes). 20% area included.

Not irrigable – not able to be irrigated (hardscapes). 0% area included.



CII Performance Measures

- Classify annually CII customers by categories by June 30, 2027
 - Banking, education, entertainment, food, healthcare, lodging, manufacturing, mixed use, office, parking, public service, religious, retail, technology, services, utility, warehouse, & other
- Supplier shall quantify the measured landscape area by July 1, 2028 for landscapes with dedicated irrigation meters

CII Performance Measures

- Mixed-use meters install dedicated irrigation meters or employ in-lieu water technologies
 - Identify large landscapes (1/2 acre or more) by June 30, 2027, calculate usage by June 30, 2029, install dedicated meter by June 30, 2039
 - Required for landscapes that use over 500,000 gallons/year, which is ~56 units/month
 - Average charge for new 1.5” meter is ~\$65,000, up to over \$75,000
 - In-lieu water management technologies – employ at least 2
 - Water budget rate structure
 - Water budget-based management system
 - Hardware improvements including metering technologies to identify outdoor use, smart irrigation controllers, pressure regulated sprinkler heads
 - Remote sensing
 - Landscape transformation, including swales and rain gardens
 - Other efficient water use technologies
 - In-lieu water management practices – employ all
 - Communications, irrigation systems maintenance, & irrigation scheduling

Water Loss Standard Portion of Target

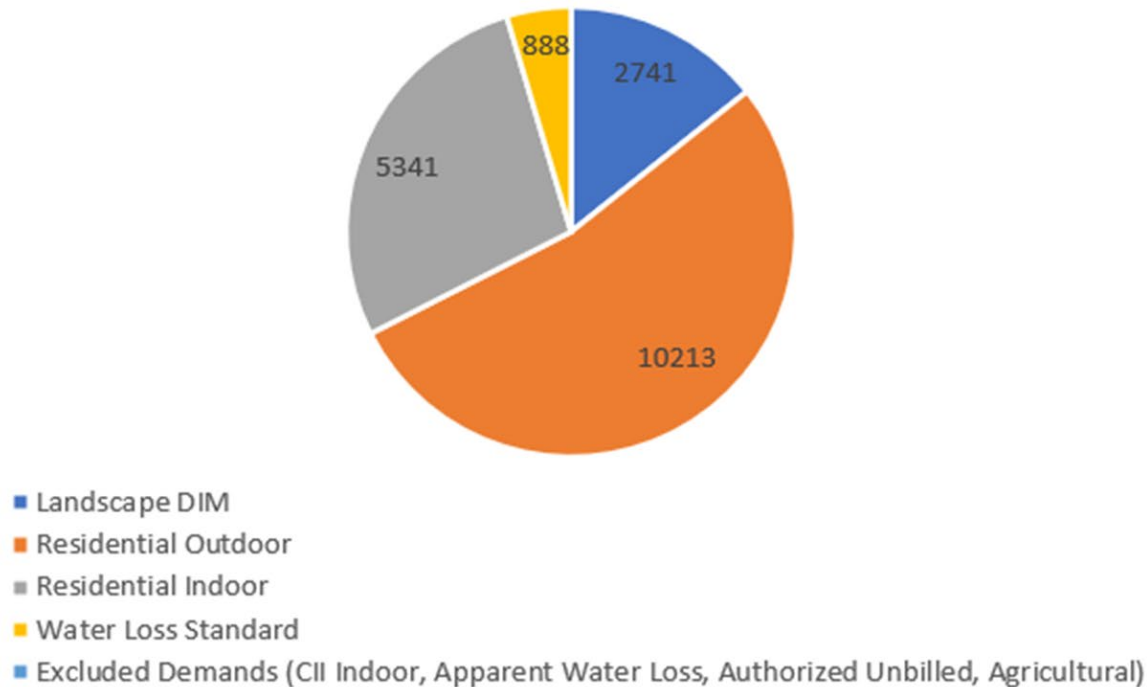
$$\text{Loss Target} = (\text{Loss Standard per Connection}) \times (\text{Number of Connections}) \times \text{days of year}$$

- Baseline leakage is 34.5 gpcd.
- OMWD has no reduction mandate. Approximately 60% of water agencies were given a standard that requires the supplier to reduce their leakage.



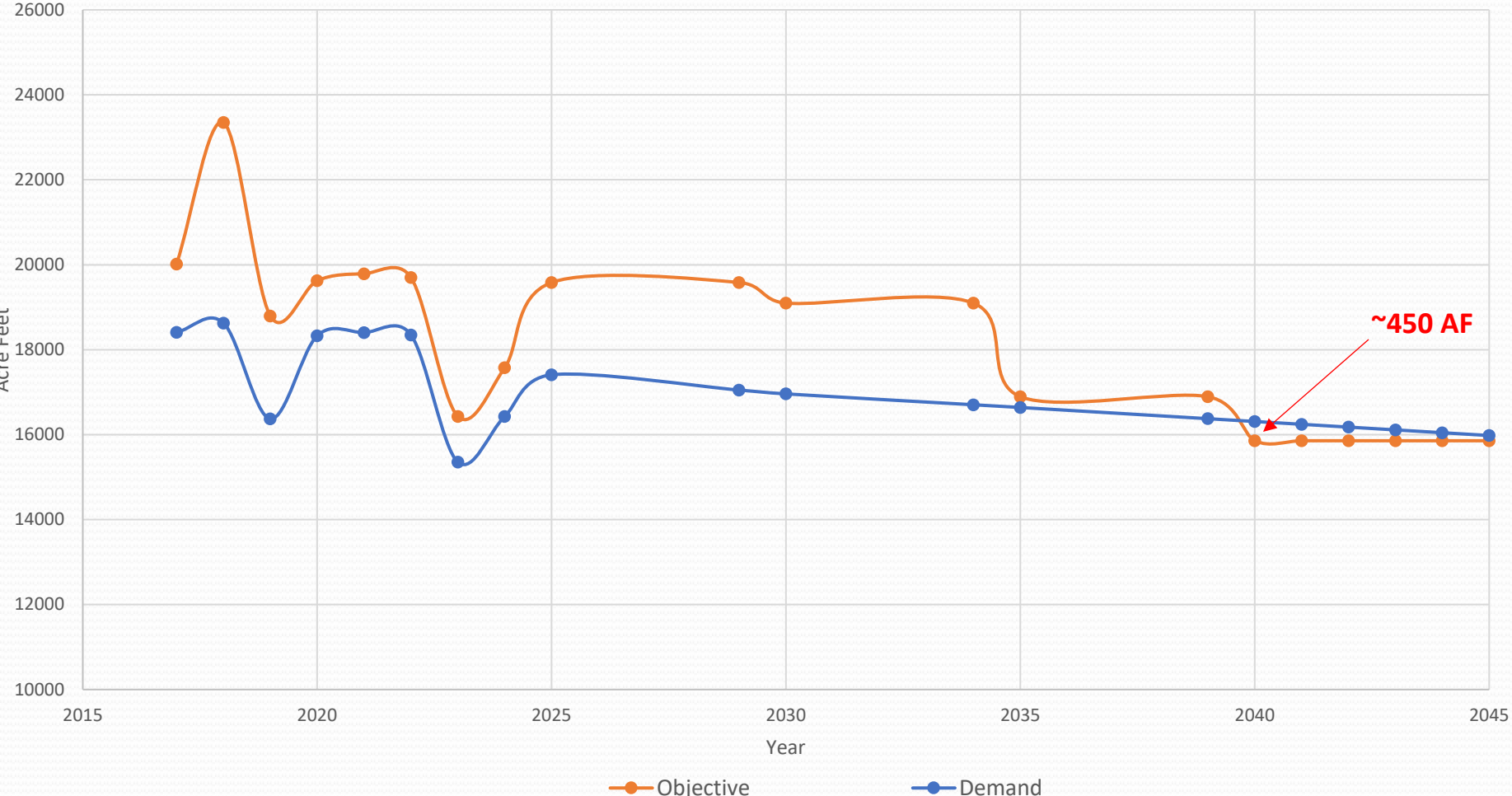
Example of OMWD's Target (three-year average of 2020-2022)

Water Use Objective- Category Breakdown
Total 19,182 AF



Water Use Objective* vs. Demand

*excluding variances

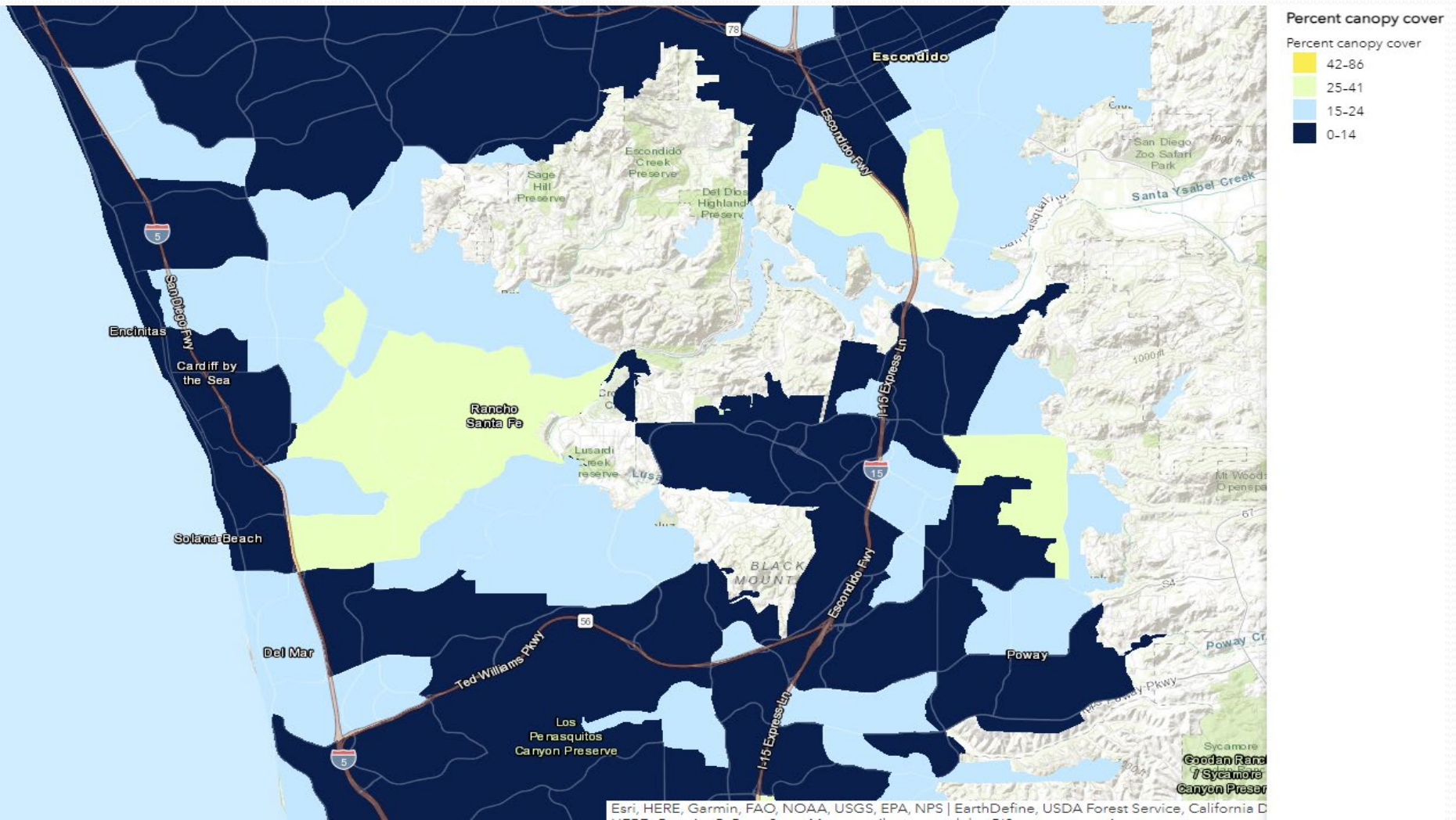


Variations, Provisions, and Bonus

- Residential trees (2040)
 - *Recycled water with high TDS (2028)(OMWD driven)
 - Impacts to wastewater operations
 - *Dust control
 - *Pond and lakes for wildlife
 - *Fire protection
 - *Horses and other livestock
 - *Agricultural use
 - *Evaporative coolers
 - *Seasonal population fluctuation
 - Potable reuse
- *Only allowable if each individual variance equals 5% or more of water budget.

Tree Variance = ~250 AF

Increases efficiency standard by 8% for landscape area covered by trees.
Will require trees to be identified and measured.



High TDS Variance

- Landscapes irrigated with recycled water with high TDS (>900). OMWD could qualify for an increased landscape efficiency standard of about 10%, however, it's unlikely to meet the 5% of water budget threshold.

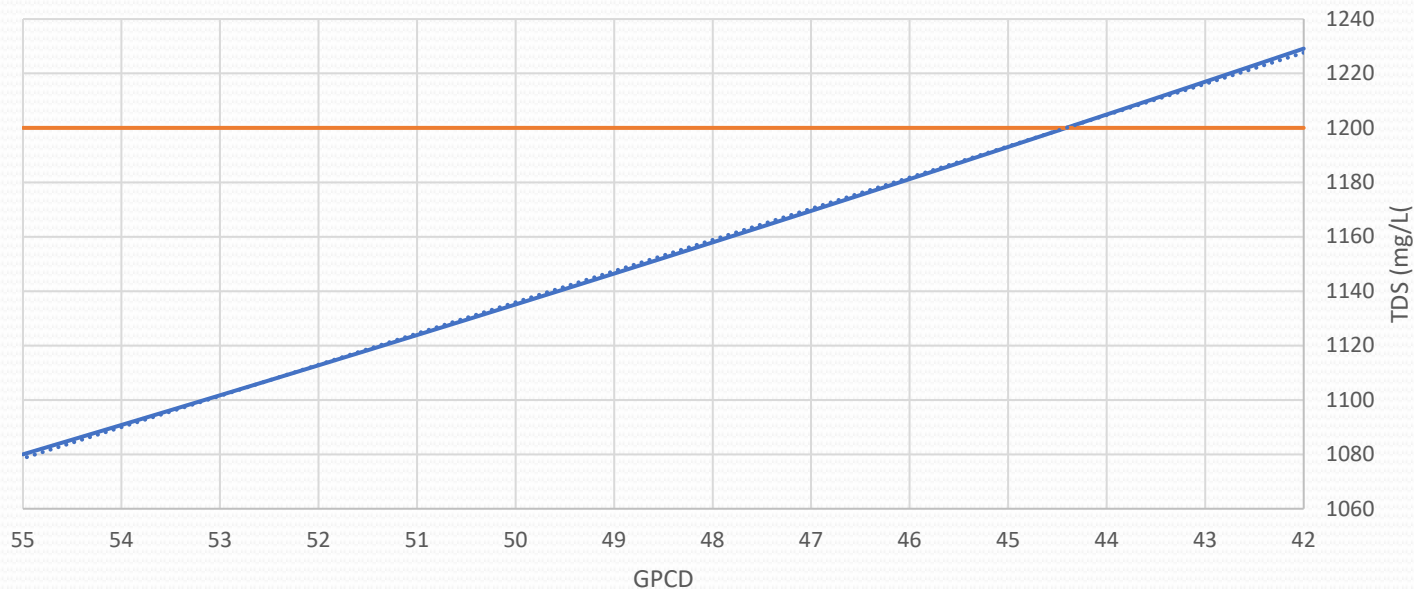
Grab Sample Sites	TDS
Mahr Reservoir Meter	958
End user (OMWD)	1103
San Elijo JPA Meter (Village Park P.S.)	1260
End user (El Camino Creek)	1255
San Elijo JPA Meter (Leucadia)	1141
End user (Via Cantabria)	1339
OMWD Reclamation Plant	1034
End user (Wine creek Rd.)	1141
OMWD Inlet flow meter to SFV Tank	1040
RSF-CSD Inlet meter to SFV Tank	1170
S.D. #2 Meter	1031
SFV Pump Station Outlet (Blended)	1161
S.D. #1 Recycled Meter	1007
RW #2 PRS (Blended)	1008
End user (Surf Cup Meter)	1026



Wastewater Impact Variance

- Provision to indoor standard is allowed if able to demonstrate negative impact to wastewater collection, treatment, or reuse. OMWD would need to conduct analysis to demonstrate the levels of impact to wastewater operations at various levels of GPCD. Every additional 1 GPCD granted could equate to about 22 AF.

HYPOTHETICAL EXAMPLE



Other Variances

- Livestock, evaporative coolers, dust control, emergencies, ponds, etc., are expected to be of little impact.
- Burdensome to calculate (e.g., need to know how many animals, what type, and how much they weigh)



What's Ahead

- OMWD must report its water use objective January 1, 2025
- OMWD must meet objective by January 1, 2027
- Classify CII customers and identify large landscapes by June 30, 2027
- Report CII DIM objective and landscape measurement by July 1, 2028
- Calculate usage for CII without dedicated irrigation meters by June 30, 2029
- CII customers to install dedicated meters or employ in-lieu water technologies by June 30, 2039
- Apply for tree variance by July 1, 2040

Enforcement Path

2024

- Informational Orders

2025

- Written notices

2026

- Conservation Orders
- Violating order may be subject to \$1,000/day fine
- \$10,000/day during State of Emergency or third year of drought





Memo

Date: September 18, 2024

To: Olivenhain Municipal Water District Board of Directors

From: Joey Randall, Assistant General Manager

Via: Kimberly A. Thorner, General Manager

Subject: **CONSIDER THE FOLLOWING ACTIONS RELATED TO THE SAN DIEGUITO VALLEY GROUNDWATER PROJECT:**

- A. **RECEIVE INFORMATIONAL REPORT ON STATUS OF COMMUNITY PROJECT FUNDING GRANT**
 - B. **INCREASE THE FISCAL YEAR 2025 APPROPRIATION FOR THE SAN DIEGUITO VALLEY GROUNDWATER PROJECT IN THE AMOUNT OF \$1,100,000**
 - C. **APPROVE DRAFT PRINCIPLES OF UNDERSTANDING WITH MR PROPCO, LLC, INCLUDING AUTHORIZING AND APPROVING THE GENERAL MANAGER TO NEGOTIATE EASEMENT PURCHASES IN AN AMOUNT NOT TO EXCEED \$65,000**
 - D. **AUTHORIZE THE GENERAL MANAGER TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH GEOSCIENCES SUPPORT SERVICES, INC. IN THE AMOUNT OF \$1,209,022**
 - E. **CONSIDER ADOPTION OF A RESOLUTION MAKING CEQA FINDINGS AND ORDERING A NOTICE OF EXEMPTION BE FILED WITH THE SAN DIEGO COUNTY CLERK AND THE STATE CLEARINGHOUSE AT THE GOVERNOR’S OFFICE OF PLANNING AND RESEARCH**
-

Purpose

The purpose of this agenda item is to request Board approval of several steps to advance the San Dieguito Valley Groundwater Project, which will allow OMWD to take advantage of a Community Project Funding (CPF) grant from the US Environmental Protection Agency in the amount of \$959,752:

- An increase to the Fiscal Year 2025 appropriation, which will allow for the work described below to be completed. Approximately 80 percent of eligible costs will be reimbursed by the CPF grant.
- Draft Principles of Understanding (POU) with MR PropCo, LLC (MRP) for water resources development. In 2023, MRP purchased the Morgan Run Golf Club and Resort and renamed it La Valle Coastal Club and Resort (LVCCR). The POU would allow OMWD to conduct exploratory borings, pump tests, construction of monitoring wells, and provide the necessary easements and rights of entry for the work. To avoid disruptions of the East Golf Course operations and revenues, the boring and testing work would be completed while the course is shut down for renovations. The POU was reviewed by Rutan & Tucker, and by Nossaman, and is conceptually approved by MRP. The procurement of easements will allow OMWD legal access for the test boring and existing well pump test included in the proposed Geoscience agreement.
- Agreement with Geoscience Support Services to complete the work described above. This work was a part of the previously Board-approved Fiscal Year 2024 hydrogeology scope of work for the San Dieguito Brackish Groundwater Desalination Project. The work was not completed in Fiscal Year 2024 because MRP will not be ready to start the renovations of LVCCR's East Golf Course until fall 2024. The work will better define the local geology, investigate the bedrock formations as a source of water, test the potential for production wells at the site, and provide data to update and recalibrate the groundwater model.

Additionally, this agenda item requests Board adoption of the proposed Resolution and California Environmental Quality Act (CEQA) findings and authorizing staff to file a Notice of Exemption (NOE) for the San Dieguito Valley Groundwater Project Hydrogeologic Investigation with the San Diego County Clerk and the State Clearinghouse at the Governor's Office of Planning and Research (OPR).

Recommendation

Staff recommends the following actions:

1. Approval of an increase in the Fiscal Year 2025 Project appropriation in the amount of \$1.1 million for the San Dieguito Valley Groundwater Project to meet requirements to utilize a CPF grant with the US Environmental Protection Agency in the amount of \$959,752.
2. Approval of Draft POU with MR PropCo, LLC, including authorizing the General Manager to negotiate purchasing easements necessary for the pump testing and exploratory boring in a not to exceed amount of \$65,000.
3. Approval of the General Manager entering into a professional services agreement with Geoscience Support Services for \$1,209,022 to pump test an existing OMWD well, drill an exploratory boring, conduct a pump test, and construct a monitoring well.
4. Adoption of the proposed Resolution which makes CEQA findings for declaration of the San Dieguito Valley Groundwater Project Hydrogeologic Investigation as Categorical Exempt from CEQA under a Class 6 (Information Collection) Categorical Exemption pursuant to CEQA Guidelines Sections 15300, 15300.2, and 15306. Beginning on January 1, 2024, Senate Bill (SB) 69 (Cortese, 2023) requires local agencies to file NOEs with the State Clearinghouse with the OPR. Staff recommends approval to file a NOE for the Project with the San Diego County Clerk for posting per CEQA Guidelines Section 15062 and with OPR's State Clearinghouse.

Alternative(s)

The Board could direct changes to be made to the POU.

The Board could also decide against approval of moving this work forward at this time. However, there are lost opportunities associated with this alternative. Among these are that the \$959,752 CPF grant that was secured in order to conduct this work may no longer be available to OMWD if the work is indefinitely postponed. Further, while there are other potential sites for the work, the 2017 Feasibility Study by Geoscience identified the LVCCR site as the best option (see Figure 1). The 2023 geophysical studies by Geoscience better defined the bedrock elevation and confirmed the LVCCR site as the best option (see Figure 2) and MRP is currently willing to partner with OMWD on water resources development. The timing is such that MRP is in the process of renovating its East Golf Course, allowing OMWD to perform exploratory drilling and pump testing on the course without impacting LVCCR's business operations. Postponing this work until after MRP has completed improvements to the golf course would result in an unavoidable impact to LVCCR's business operations, which could require that OMWD

compensate MRP to mitigate this impact, or that OMWD initiate an eminent domain action.

Although the San Dieguito Valley Groundwater Project Hydrogeologic Investigation constitutes a “project” subject to CEQA pursuant to Public Resources Code Section 21065 and CEQA Guidelines Sections 15002 and 15378 and qualifies as Categorically Exempt under CEQA Guidelines Sections 15300, 15300.2, and 15306, the Board could:

- Adopt the NOE and direct staff to not file the NOE, which would increase the statute of limitation for filing protests against the Project from 35 days to 180 days; or
- Determine that CEQA is not required for this Project and not adopt the Resolution.

Background

OMWD receives 100 percent of its potable water supply as imported water from the San Diego County Water Authority (SDCWA). The main sources are the San Joaquin-Sacramento Bay-Delta, and the Colorado River. These sources are distant from OMWD and face regulatory, drought, and climate-change challenges. For these reasons, OMWD has been investigating opportunities to diversify its water supply portfolio by developing supplies that are locally controlled, reliable, and cost-competitive. Currently, local potable supply opportunities include desalinated seawater and brackish groundwater desalination.

In 2008, the Board directed staff to investigate brackish groundwater desalination opportunities instead of purchasing potable water directly from the Carlsbad Seawater Desalination Plant. The direction at that time was to seek brackish desalination opportunities within OMWD’s control at cost equal to or less than the cost of Carlsbad desalinated water, which OMWD had been a partner in and could have elected to receive.

A 2010 opportunities and constraints report identified brackish groundwater desalination opportunities in both the San Elijo and San Dieguito Groundwater basins.

OMWD received United States Bureau of Reclamation funding and, in 2016, finalized a feasibility report that concluded the San Elijo Basin was potentially feasible as a source of potable supply, pending additional hydrogeologic and environmental investigations. The San Elijo Basin remains a potential source of supply. However, there appear to be significant challenges related to groundwater extraction and avoidance of environmental

impacts. As a result, staff shifted the focus of further studies to the San Dieguito Groundwater Basin.

OMWD was awarded State of California grant funding and in 2017 completed a feasibility study of the San Dieguito Basin. The study concluded that the Project was technically feasible and that potable water could be produced at a cost that was less than desalinated seawater, and competitive with imported water.

OMWD was awarded additional State of California and Metropolitan Water District of Southern California grant funding and, in 2020, completed a 12-month pump test in the San Dieguito Basin. The resultant 2021 Hydrogeologic Report confirmed the feasibility study results, identifying only minor impacts to the groundwater basin storage and mitigable impacts to local wells. The results were presented to the Board in April 2021 and to stakeholders and public a week later.

On March 30, 2022, a special meeting of the Board of Directors was held to consider the results of investigations in the previous year. OMWD consultants (including Jeremy Jungreis of Rutan & Tucker, and Rosalyn Prickett of Rincon Consultants) presented legal, regulatory, and environmental analysis related to the Project. The key conclusion was that there are clear paths forward for environmental and regulatory compliance and permitting. OMWD consultants (Doug Gillingham of Gillingham Water and Consulting Engineer Don MacFarlane) also presented an economic analysis of the Project, and the benefits derived compared to continuing to buy water from SDCWA. With reasonable assumptions for the input variables, the Project was found to have an estimated financial benefit of \$18 million over 30 years, when compared to status quo SDCWA purchases. These results indicated the Project has strong potential and supported the continuation of Project planning to reduce uncertainties. At the Special Board Meeting, staff identified several investigations that would be conducted in Fiscal Year 2023.

On May 31, 2023, another Special Board Meeting was held to consider the results of the Fiscal Year 2023 investigations. OMWD staff and consultants (including Brian Villalobos of Geoscience) presented an update of the hydrogeologic analysis. OMWD consultants also presented an economic analysis of the Project, and the benefits derived from comparing it to continuing to buy water from SDCWA. By this time, the Project's estimated financial benefit was updated to \$31 million over 30 years, when compared to status quo. Staff presented updates on interagency and private company coordination, and potential partnerships, grant funding opportunities, budgets, and schedules. MRP is one of those potential partnerships. The Board supported the continuation of Project planning to reduce uncertainties.

At the same meeting, staff discussed several planned investigations that were in the approved budget, and were planned to be conducted in fiscal year 2024, including the exploratory borings, pump tests, and construction of monitoring wells. The work was not completed in 2024 because the POU with MRP had not been completed and because they had not started renovating their East Golf Course. The LVCCR site falls within the “North Valley Wellfield” identified in the 2017 Feasibility Study and shown in Figure 1.

In early 2023, staff began work with Congressman Scott Peters’ office to achieve federal funding by which to continue OMWD’s ongoing investigations into the Project’s hydrogeology. In March 2024, Congress enacted the Consolidated Appropriations Act of 2024, which included \$959,752 for the Project. The channel by which the Congressionally approved funding is made accessible to OMWD is the US EPA’s Community Project Funding program. The funding requires a 20 percent local match.

Due to unforeseen and excessive SDCWA rate increases and significant increases to the OMWD CIP projects for replacement and rehabilitation at key facilities, the Board voted at its April 17, 2024 meeting to decelerate the Project in the Fiscal Years 2025 and 2026 budgets to help reduce the impact of these rate increases on OMWD customers.

Fiscal Impact

- A. Informational Report
 - a. There is no fiscal impact for receiving the informational report on the Community Funding Grant.
- B. Increase Fiscal Year 2025 Appropriation
 - a. The existing Fiscal Year 2025 appropriation of \$417,000 is insufficient to address all proposed costs described in this report, such that staff is requesting an additional appropriation of \$1,100,000.
- C. Approve Draft Principles of Understanding and Authorization for Acquisition Easement
 - a. Approval of the Principles of Understanding with MR PropCo, LLC and authorization of easement acquisition will have a fiscal impact not to exceed \$65,000.
- D. Geoscience Agreement
 - a. The agreement with Geoscience will have a fiscal impact of \$1,209,022. The cost of the exploratory borings, pump tests, and construction of monitoring wells was included in the Board-approved budget for Fiscal Year 2024, prior

to Project deceleration, and has not been carried over to the Fiscal Year 2025 budget.

E. Categorical Exemptions for CEQA Findings

- a. Approximately \$9,000 – Consultant + Administrative/Filing Fee

After the costs above are incurred, OMWD will be reimbursed for \$959,752 from the US EPA’s CPF grant. The overall total Project budget will remain the same, only accelerating the appropriation.

Is this a Multi Fiscal Year Project? <u>Yes</u>
In which FY did this capital project first appear in the CIP budget? <u>2007</u>
Total Project Budget: <u>\$75,437,000 (10 Year CIP)</u>
Board Approved FY25 and FY26 Project Budget: <u>\$761,000</u>
Current Fiscal Year Appropriation: <u>\$417,000</u>
To-Date Approved Appropriations: <u>\$5,414,000</u>
Expenditures and Encumbrances through September 18, 2024: <u>\$5,113,694</u> (this includes Desal Partners/San Elijo Well carryforward expenditures)

If the Board approves this item, funds will be transferred from the Water Capital and Equipment Fund. Staff will not fund CIP Paygo transfers from water rates and charges during the first half of Fiscal Year 2025 to keep the operating fund balance within the Board’s reserve policy, as OMWD will pay \$5 million in December to SDCWA for prebuying water. The annual Paygo transfer from operating to capital for Fiscal Year 2025 will resume in January 2025 (during second half of Fiscal Year 2025), but the entire planned amount will still be transferred within the fiscal year. The delay of Paygo transfers until the second half of the fiscal year will assist with cash flow due to the “pre-buy” water expense and the acceleration of spending on this Project, if approved today.

Discussion

Increase to Fiscal Year 2025 Appropriation: In response to the large 2025 rate increase from SDCWA and increased CIP for OMWD's repair and rehabilitation, OMWD reduced or delayed several (non-essential) capital projects in the Fiscal Years 2025 and 2026 budget in order to reduce the impacts on customer rates. The San Dieguito Valley Brackish Groundwater Desalination Project was decelerated. Staff is bringing this work forward for Board consideration, requiring the additional appropriation in Fiscal Year 2025, for three reasons:

1. Federal funding in the amount of \$959,752 has been committed to the Project via the Consolidated Appropriations Act of 2024. These funds will be routed to OMWD via the EPA through its Community Project Funding grants program. OMWD is required to submit a formal application to the EPA for these funds, which was submitted earlier in September. Upon the EPA's initial acceptance of the application documentation, a NEPA concurrence process will begin with US Fish & Wildlife, which is anticipated to take several months. US Fish & Wildlife's concurrence will ultimately allow for the release of funds to OMWD. OMWD must contribute a local match of at least 20% of project costs in order to be eligible to receive the full \$959,752 award. This grant provides an opportunity to complete this important work with little impact to customer rates.
2. MRP recently entered in an agreement to acquire additional property on its southeastern boundary where both the existing well and the proposed borehole are located.
3. MRP is moving forward with renovations to its East Golf Course in early 2025. This provides a unique opportunity for OMWD to complete the work with little impact to golf course operations and revenues.

Time spent by staff and the Consulting Engineering to coordinate with LVCCR and to assist in managing the Geoscience work is included in the additional appropriation request.

Draft Principles of Understanding: In preparing for the 2019 year-long pump test, OMWD's hydrogeologic consultant, Geoscience, recommended the test well be located on the Morgan Run (now LVCCR) property. The owner at the time was unresponsive to requests for OMWD to locate a well on their property; however, Morgan Run staff did allow OMWD to monitor wells on their property. Surf Cup Sports was willing to work

with OMWD at that time and, ultimately, the pilot test well was drilled on their leased property.

OMWD staff learned that MRP had purchased Morgan Run in 2023, and due to the groundwater aquifer existing almost directly under the property, contact was initiated. After three in-person meetings and numerous other communications, a draft POU was developed in coordination with Rutan & Tucker and Nossaman and presented to MRP. OMWD, MRP, and their attorneys worked together to finalize the draft POU and it is now conceptually acceptable to both parties.

The proposed draft POU is attached for Board consideration. The purpose of the POU is to provide general terms and conditions for reciprocal cooperation not only on OMWD's San Dieguito Valley Groundwater Project, but also on improvements to MRP's water facilities. As a part of its renovation of the golf course, MRP is interested in improvements to its recycled water storage and distribution system. OMWD is working with its recycled water engineering consultant to prepare a planning study of the improvements.

The intent of the POU is to balance the value to each party. The POU applies to the exploratory borings, pump tests, and monitoring wells and subsequent agreements would be needed for production wells, if the Project progresses.

One particular area addressed by the POU is OMWD's need for easements from MRP to perform this work. Easements are required for the two well sites so that OMWD can help manage the area around the wells, and access them for operation and maintenance. Long term, the OMWD test well may become a production well, if the Project moves forward. Easements are also required for access from the nearest public right of way, or existing OMWD easement, to the wells. These access easements would also be utilized for pipelines to convey groundwater to a treatment plant, and provide a route for power cables to run the well pumps in the future should the project progress.

OMWD entered into an agreement for appraisal of the easement with Jones, Roach, and Caringella (JRC). OMWD staff has developed a scope of work for JRC to estimate easement and access values, for use in determining compensation to MRP. The work has been provided to MRP for review and independent confirmation. OMWD and MRP have now conceptually agreed on a per square-foot cost for the easements based on the valuation report. OMWD will work with MRP to locate the final easements. OMWD will then retain a surveying consultant to survey the easements and prepare plat maps and legal descriptions to support the acquisition. OMWD will work with legal counsel to prepare and negotiate an agreement with MRP for the acquisition.

Another key term commits both parties to balance the value of the easements provided by MRP and recycled water planning study provided by OMWD, acknowledging that cash payments between the parties will be required.

The draft POU also describes details of:

- The drilling sites and easements
- Restoration after construction
- The drilling and pump test process, and the monitoring well construction
- Working hours and noise
- MRP's acceptance and use of the pump test water
- CEQA/NEPA requirements and responsibilities
- Community outreach

Construction of future production wells has not been approved or scheduled, but this POU would be the basis of a longer-term partnership and would provide a framework for more detailed agreements with MRP in the future.

Geoscience Hydrogeology PSA, Scope of Work, and Budget: In early Fiscal Year 2024, Geoscience and their subcontractor completed the geophysical investigations that were started in Fiscal Year 2023 and reported on at the May 31, 2023 Special Board Meeting. These investigations confirmed the part of the basin that was previously thought best for production wells (North Valley Wellfield), and also provided significantly better detail of the geologic layers. The deepest parts of the basin are in the vicinity of LVCCR, Rancho Paseana, and areas to the north. The bedrock elevation map is shown in Figure 2.

This work could not be completed in Fiscal Year 2024, as OMWD worked with MRP on the POU. It is now being brought forward for consideration.

The Geoscience Professional Services Agreement includes the cost of the borings, pump tests, and construction of monitoring wells. If approved by the Board, Geoscience will hire a specialized contractor to do the work, likely Yellow Jacket Drilling Service. Geoscience has worked with Yellow Jacket on other projects, has a good relationship with them, and has confidence in the quality of their work. This is the same contracting approach that was successfully used for the construction of the OMWD pilot test well on the Surf Cup property.

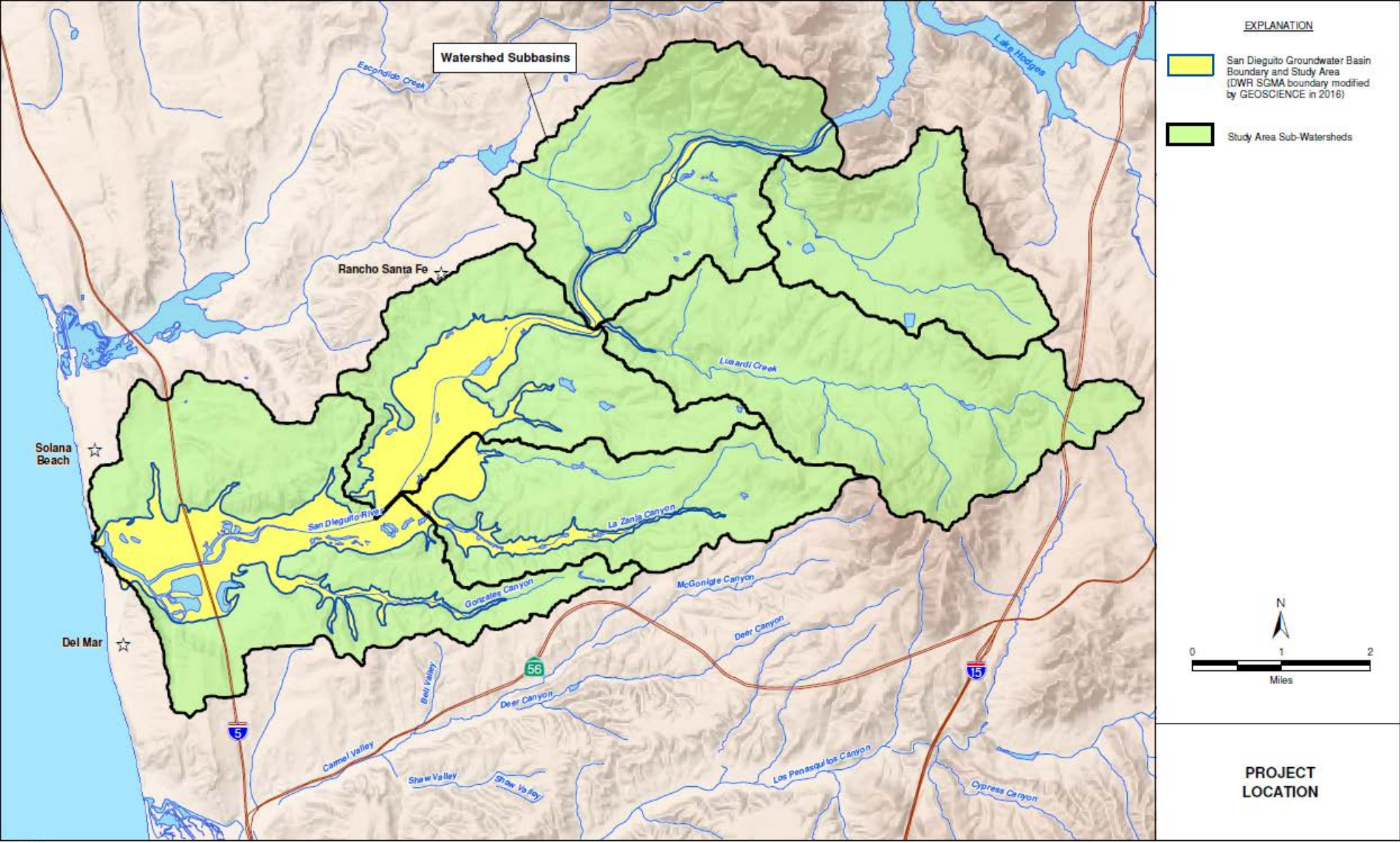
CEQA: Pursuant to CEQA, staff has determined the San Dieguito Valley Groundwater Project Hydrogeologic Investigation to be considered Categorically Exempt from CEQA under a Class 6 (Information Collection) Categorical Exemption pursuant to CEQA

Guidelines Sections 15300, 15300.2, and 15306. The Project is a preliminary investigation of the physical and technological constraints and opportunities, such as subsurface conditions, in the Project area. The purpose of this investigation is to gather data and information that may be used to modify the design of a potential future brackish groundwater extraction project or reveal the infeasibility of that project. The utility of the information that would be gained through this Project is independent of any potential future development because subsurface conditions are not currently well-known and, while the results of this hydrogeologic investigation may inform future development actions, the project will not predispose decision makers to choose one alternative over another. As such, the Project is part of a study leading to an action which a public agency (i.e., OMWD) has not yet approved, adopted, or funded. Furthermore, Project components would be installed within a disturbed area of the LVCCR East Golf Course and would not result in a serious or major disturbance to an environmental resource. Therefore, the Class 6 exemption is applicable.

Staff will be available to answer questions.

Supplemental Information

- *Figures 1 & 2*
- *Draft Principles of Understanding (Draft POU)*
- *Notice of Exemption & Resolution*
- *PPT Presentation*

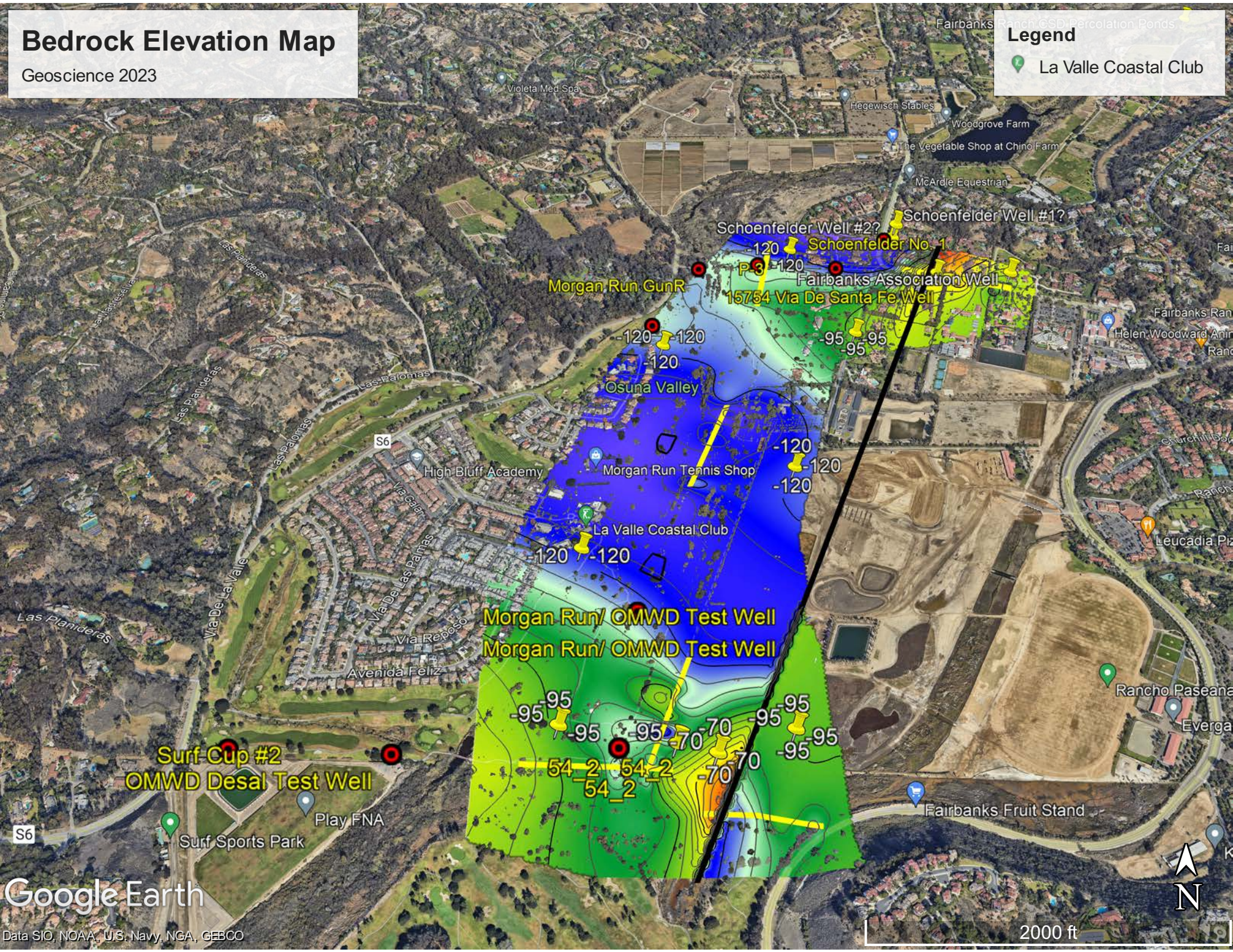


Bedrock Elevation Map

Geoscience 2023

Legend

La Valle Coastal Club



Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

2000 ft

PRINCIPLES OF UNDERSTANDING

Water Resources Development Agreement Between
Olivenhain Municipal Water District and MR PropCo, LLC

DRAFT September 4, 2024

Overview

These Principles of Understanding (POU) establish the general terms and conditions for reciprocal cooperation between the Olivenhain Municipal Water District (OMWD) and MR PropCo, LLC (La Valle), and any of their successors, in support of OMWD's proposed San Dieguito Valley Brackish Groundwater Desalination Project (Project). Under the terms established, La Valle would grant to OMWD property easements for the construction of monitoring and production wells and associated facilities, and OMWD would provide a recycled water engineering study and/or cash payment to La Valle.

This POU applies to early project planning and exploratory drilling operations of the Project. Should OMWD subsequently elect to proceed with Project construction and operation, the parties agree to work in good faith to enter into additional agreements as needed.

Introduction / Project Overview

OMWD is investigating a project known as the San Dieguito Valley Brackish Groundwater Desalination Project. The Project could develop a reliable local supply of potable water, as a benefit to its customers, while reducing the demand on the Sacramento-San Joaquin Bay Delta and the Colorado River. Recent studies indicate that, in the long term, the cost of the Project water would be less than the cost of purchasing imported water from the San Diego County Water Authority.

As a part of its hydrogeologic investigations, OMWD needs to complete further exploration of the groundwater basin geology, and further pump testing of the aquifer, through the drilling of one, pump testing a this borehole and pump testing at an existing OMWD well.(Phase 1). The property known as the La Valle Club and Resort (La Valle Property, as depicted in Exhibit 1), owned by La Valle, has locations that could be beneficial for these investigations. If the investigations are successful, the exploratory borehole could be finished as a monitoring well.

In the longer term, depending on the results of Phase 1, OMWD may want to drill and construct two or three production wells that could potentially supply a brackish groundwater desalination water treatment plant (Phase 2). Phase 2, if undertaken, will also include pipelines to convey groundwater to a water treatment

plant and permanent power for the production well pumps. Again, the La Valle Property could provide mutually beneficial opportunities for locating the production wells, if undertaken by OMWD.

OMWD is committed to a sustainable Project while respecting the water rights and production of other agencies and companies in the San Dieguito Valley (Valley). If necessary, OMWD will, at its sole expense, mitigate Project impacts from the test wells and production wells to existing La Valle facilities, including to the existing LaValle wells.

This POU document addresses Phase 1 of the work, which includes permanent easements for OMWD water facilities. Currently there is not enough information available to develop an agreement for the Phase 2 work. However, as entities with common interests in water resource development within the Valley, OMWD and La Valle agree to work together in the future, and to enter into a POU, or other agreement for Phase 2, should the Project move forward.

La Valle, an OMWD potable and recycled water customer, has development plans for the La Valle Property. The La Valle golf course currently consists of three 9-hole courses known as South, East, and North. Over 2024 and 2025, La Valle plans to improve the South and East nines. The South nine renovation is expected to take several months while the East nine renovation may take one year.

OMWD will work with La Valle to locate the exploratory well drilling and monitoring well construction work in places selected by La Valle, so as to be compatible with planned renovations.

Terms – Overview

1. OMWD Easements: As part of Phase 1, La Valle will grant to OMWD permanent easements, and also a temporary construction easement, to access the existing OMWD well for aquifer zone test, and drill a new exploratory borehole, conduct a pump test, and potentially construct a monitoring well. Results of the pump test could potentially result in OMWD's desire to construct production wells on the La Valle Property, or other nearby locations, a pipeline from the production well to public right of way, and a power supply for the well pump. Phase 2, should it go forward, may include La Valle's grant to OMWD of permanent easements needed for Phase 2 of the OMWD Project. The parties agree that any permanent easements granted to OMWD shall be subject to reversion upon Project abandonment or following a ten-year period of non-use, subject to the terms of State and Federal Financing.

2. La Valle Water Facilities: In compensation for the easements and other property interests granted, OMWD will complete for La Valle a recycled water engineering study, as follows:
 - a. In Phase 1, La Valle will receive a recycled water engineering planning study from OMWD for a project to demolish their existing recycled water tank, convert/reconstruct an existing irrigation pump station for recycled water use, and rehabilitate an existing pond for recycled water storage. OMWD or their consultant will meet with La Valle staff who will explain the recycled water Project, its different phases, and its objectives. The study will describe the regulatory requirements, needed improvements, provide a schematic plan view of the improvements, and estimate construction costs.
3. OMWD Costs Applied to Reduce or Offset Easement Value: The OMWD costs that will be applied to reduce or offset the easement values include the engineering planning study of the recycled water system, and the reasonable costs to upgrade and operate the existing La Valle pumps to enable the storage of the water coming from the Phase 1 pump tests, if necessary. While paying these costs and the reimbursement, OMWD is not retaining any liability or responsibility for the recycled water facilities.
4. Equitable Reciprocity: The Phase 1 goal of this POU agreement is to balance the value to OMWD of easements for constructing groundwater facilities and conducting testing, with the payment of the cost of a recycled water engineering study, and the reimbursement of La Valle's costs to assist with the pump testing. This POU will terminate at the end of Phase 1. If the parties each determine to do so, they will work together to produce a mutually acceptable solution for Phase 2.
 - a. Should the OMWD easement values exceed the cost of the La Valle improvements listed, OMWD will pay La Valle the difference via cash payment. If the parties cannot reach agreement on easement values, improvement costs or the balance, this POU is terminated.

A summary of possible Phase 1 benefits include

Summary of Phase 1 Benefits	
OMWD	La Valle
<ul style="list-style-type: none"> Sites for Exploratory Drilling - Monitoring Well Construction Easements and Access for existing OMWD Well 	<ul style="list-style-type: none"> Recycled Water Engineering Planning Study and Construction Cost Estimate
<ul style="list-style-type: none"> Place to Discharge Pump Test Water 	<ul style="list-style-type: none"> Upgrade pumps to enable storage and use of pump test water, if necessary. Cash payment for value of the easement granted.

Terms – Details

The details in this POU cover exploratory borehole drilling, aquifer testing, and the possible construction of monitoring wells. Prior to the construction of production wells, should Phase 2 of the Project proceed, OMWD and La Valle agree to work together to develop mutually agreeable additional agreements and easements.

1. Drilling Sites, Permanent Well Easement and Temporary Construction Easement.
 - a. The proposed exploratory drilling site is shown on a revised **Figure 1**. La Valle may propose alternative locations based upon better compatibility with their development plans. Alternative sites will be reviewed by OMWD and its hydrogeologist for accomplishing the exploration and testing objectives of Phase 1 of the OMWD Project.
 - b. The site should be approximately 200 feet by 50 feet, approximately 10,000 square feet (sf), or one quarter acre.
 - c. For Phase 1, La-Valle will grant a permanent well easement to OMWD that will be approximately 100 by 50 feet. La Valle will also grant an area of 200 by 50 feet to OMWD for a temporary construction easement. This easement will be used for the exploratory bore hole drilling and monitoring well construction, and potentially, at a later date, the drilling and construction of production wells. OMWD will plan to make Phase 1 easements usable for Phase 2, if OMWD decides to proceed with Phase 2, although additional easements and property transfers may be necessary at a future time.
 - d. OMWD will pay for easement documents to be prepared by a civil engineer or surveyor licensed to practice in the State of California, for

review by La Valle. OMWD will process and file the executed documents with the County of San Diego. OMWD will pay La Valle's reasonable legal fees associated with review of the easement documents.

- e. OMWD will complete the exploratory drilling and monitoring well construction within 60 calendar days of starting work, unless this period is extended by mutual consent of the Parties.
- f. The easement for the existing well will be a minimum of 50 feet by 50 feet.
- g. The parties agree that any easements granted to OMWD shall be subject to reversion upon Project abandonment or following a 10 year period of non-use, subject to the terms of State and Federal financing.

2. Well Access and Pipeline Easements

- a. For Phase 1 work, La Valle will also grant easements and/or licenses to OMWD sufficient for the purpose of accessing the well sites for drilling construction, monitoring, and maintenance. The easements are anticipated to be 30 feet in width. OMWD and La Valle would coordinate on plans for power, and other requirements, for the projects of both parties.
- b. The access easements will cross La Valle property to public rights of way. OMWD and La Valle will work together to develop mutually acceptable easement alignments and locations.

3. Easement Restoration after Exploratory Borehole and Monitoring Well Construction

After the drilling of the exploratory borehole, aquifer zone testing at the borehole and construction of the monitoring well, and pump testing at the existing well, OMWD, at its sole cost, will restore the easement lands. OMWD will work together with La Valle to prepare a mutually acceptable restoration plan using a vendor acceptable to La Valle. The restoration requirement will apply regardless of whether a monitoring well is ultimately installed at the potential monitoring well site.

4. Drilling Procedure and Monitoring Well Construction

This is a conceptual summary of the work likely to be involved in Phase 1 of the Project, and can be modified as needed to meet the needs of both Parties.

OMWD can provide more details upon request. This phase of work covers an exploratory borehole and possibly the construction of a monitoring well. OMWD will own all water facilities it constructs; thus, a permanent easement providing access will be needed. If the easements revert based on Project abandonment or a period of 10 years of non- use, ownership of any facilities located therein will similarly transfer to La Valle along with all liability.

- a. Exploratory Borehole – The boreholes will be drilled to approximately 300 feet below ground surface (bgs). Sampling and testing will be completed. Should the geology prove unsuitable for the testing and a well, the borehole could be abandoned in accordance with applicable County and State requirements.
- b. Isolated Zone Aquifer Testing – The pump testing will be completed with measurements and testing, including water quality. Maximum pumping rates will be 200 gallons per minute (gpm).
- c. Nested Monitoring Well – With favorable geology and testing results, the boreholes will be finished as monitoring wells including the installation of a casing, screen filter pack, and annular seal.

5. Working Hours, Noise Control, and Construction Duration

- a. Working hours will generally be 7 AM to 4 PM unless modified by mutual consent of the Parties.
- b. During aquifer zone testing, working hours will be 7 AM to 9 PM unless modified by mutual consent of the Parties. If water turbidity targets are not reached, the testing may extend longer.
- c. OMWD will provide 9-foot free standing sound walls for the monitoring well sites.
- d. Exploratory borings are estimated to require 10 working days per site.
- e. Completion of monitoring wells are estimated to require 25 working days.
- f. The maximum anticipated period of work is 35 working days, approximately 60 calendar days.

6. Pump Test of Existing OMWD Well

Pump testing of the existing OMWD well will include installation of a test pump, maintenance of the pump, and filter development and pump testing. The pump testing includes an 8-hour step test, a 24-hour constant rate test, and a 4-hour recovery test. The work will be completed within 5 working days

over one or two weeks, approximately 12 calendar days. Equipment will be brought to the site using a light duty truck(s).

7. Pump Test Water Discharge Water

- a. La Valle will provide a method to discharge the pump test water and their staff will assist. Discharge options include, but are not limited to irrigation ponds, and spray or flood irrigation. The water from pump tests cannot be discharged into the San Dieguito River, absent applicable regulatory permissions, which are not anticipated. OMWD will provide water quality data to La Valle within 10 days of sampling during the exploratory boring work, prior to starting the pump test. All reasonable costs, both direct and indirect, as identified prior to the commencement of construction, associated with managing the pump test discharge water shall be reimbursed to La Valle, as described in “Terms – Overview” Section 4, including the costs of pumping and power.

The estimated pump test quantities for the new exploratory borehole are shown on the following page.

Task/Discharge Event	Duration		Discharge Rate	Discharge Volume
	Work Days	Work Hours	(gpm)	(gallons)
Isolated Aquifer Zone Test				
	1	4	100	24,000
	2	14	200	168,000
	3	4	100	24,000
	4	14	200	168,000
			Total	384,000
Swab and Airlift Development (If Monitoring Wells)				
	5	8	20	9,600
Task/Discharge Event	Duration		Discharge Rate	Discharge Volume
	Work Days	Work Hours	(gpm)	(gallons)
	6	8	20	9,600
	7	8	20	9,600
	8	8	20	9,600
	9	8	20	9,600
	10	2	20	2,400
			Total	50,400
Pumping Development (If Monitoring Wells)				
	11	8	20	9,600
	12	8	20	9,600
	13	8	20	9,600
	14	8	20	9,600
	15	8	20	9,600
	16	8	20	9,600
			Total	57,600
Total (1 Nested Monitoring Well)	16	126		492,000

The estimated pump test quantities for the existing OMWD well are shown on the following page.

Task/Discharge Event	Duration		Discharge Rate	Discharge Volume
	Work Days	Work Hours	(gpm)	(gallons)
	6	8	20	9,600
	7	8	20	9,600
	8	8	20	9,600
	9	8	20	9,600
	10	2	20	2,400
			Total	50,400
Pumping Development (If Monitoring Wells)				
	11	8	20	9,600
	12	8	20	9,600
	13	8	20	9,600
	14	8	20	9,600
	15	8	20	9,600
	16	8	20	9,600
			Total	57,600
Total (1 Nested Monitoring Well)	16	126		492,000

The estimated pump test quantities for the existing OMWD well are shown below

Task/Discharge Event	Duration		Discharge Rate	Discharge Volume
	Work Days	Work Hours	(gpm)	(gallons)
Initial Pumping (as needed)				
Day 1	1	8	250	120,000
Day 2	2	8	300	144,000
Step Drawdown Testing				
Day 1	3	1	200	12,000
		2	400	48,000
		3	600	108,000
Constant Rate Test				
Day 1	4	24	500	720,000
TOTAL	4	46		1,152,000

1. California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA)

- a. OMWD will prepare appropriate CEQA or NEPA documents for the well-drilling, testing, and monitoring well activities included in Phase 1 of the Project detailed herein. OMWD expects that a categorical exemption will be sufficient for this work. Should OMWD decide to proceed with Phase 2, appropriate CEQA or NEPA documentation acceptable to both parties will need to be prepared and managed by OMWD, prior to either party approving Phase 2 of the Project.

2. Community Outreach

- a. OMWD and La Valle will work together to determine and identify appropriate community outreach.

Notice of Exemption**Appendix E**

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

County Clerk

County of: _____

From: (Public Agency): _____

(Address)

Project Title: _____

Project Applicant: _____

Project Location - Specific:

Project Location - City: _____ Project Location - County: _____

Description of Nature, Purpose and Beneficiaries of Project:

Name of Public Agency Approving Project: _____

Name of Person or Agency Carrying Out Project: _____

Exempt Status: **(check one):**

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State type and section number: _____
- Statutory Exemptions. State code number: _____

Reasons why project is exempt:

Lead Agency

Contact Person: _____ Area Code/Telephone/Extension: _____

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: _____ Date: _____ Title: _____

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____

RESOLUTION NO. 2024-XX

RESOLUTION OF THE BOARD OF DIRECTORS OF THE OLIVENHAIN
MUNICIPAL WATER DISTRICT MAKING CALIFORNIA
ENVIRONMENTAL QUALITY ACT FINDINGS FOR THE SAN DIEGUITO
BRACKISH GROUNDWATER DESALINATION PROJECT
HYDROGEOLOGIC INVESTIGATION AUTHORIZING A NOTICE OF
EXEMPTION FILED WITH THE COUNTY CLERK, COUNTY OF SAN
DIEGO

WHEREAS the Olivenhain Municipal Water District, is a water agency organized and operating pursuant to California Water Code Sections 71000 et seq; and

WHEREAS the Olivenhain Municipal Water District has been investigating the technical and economic feasibility of the San Dieguito Brackish Groundwater Desalination Project since 2008; and

WHEREAS, the San Dieguito Brackish Groundwater Desalination Project Hydrogeologic Investigation specifically consists of the drilling of a new exploratory borehole, conducting isolated aquifer zone testing of this borehole, installing a nested monitoring well in the exploratory borehole, and conducting a pumping test at the Old Injection Test Well, all within the La Valle Coastal Club property; and

WHEREAS, the Project is independent of any potential future development because subsurface conditions are not currently well-known and while the results of this hydrogeologic investigation may inform future development actions, the Project would not predispose decision makers to choose one alternative over another when considering the larger San Dieguito Brackish Groundwater Desalination Project; and

WHEREAS, pursuant to Public Resources Code Section 21065 and CEQA Guidelines Sections 15002 and 15378, the San Dieguito Brackish Groundwater Desalination Project Hydrogeologic Investigation constitutes an activity which may cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, and is directly undertaken by a public agency (i.e., Olivenhain Municipal Water District) and is therefore a “project” subject to CEQA; and

WHEREAS, pursuant to CEQA and the CEQA Guidelines, the Olivenhain Municipal Water District Board of Directors has caused to be prepared a Notice of Exemption according to CEQA Guidelines Section 15062, stating that the project is exempt according to CEQA Guidelines 15306 and that none of the exceptions outlined in CEQA Guidelines Section 15300.2 are applicable; and

NOW, THEREFORE, the Board of Directors of the Olivenhain Municipal Water District does hereby find, determine, resolve and authorize as follows:

SECTION 1: The foregoing facts are found and determined to be true and correct.

SECTION 2: In accordance with the California Environmental Quality Act Guidelines

Section 15061, the Board of Directors hereby finds and determines that the Project is exempt from CEQA for the following reasons:

- 1) State CEQA Guidelines §15306 (Information Collection) allows for basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. These may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded. The proposed project was reviewed for potential exemptions and was found to satisfy the standards of Class 6, as specified within Article 19 (Categorical Exemptions) of the CEQA Guidelines.

SECTION 3: The Board of Directors of the Olivenhain Municipal Water District hereby authorize District Staff to file a Notice of Exemption with the County Clerk of the County of San Diego stating that the Project is exempt from CEQA in accordance CEQA Guidelines Section 15306.

PASSED, ADOPTED AND APPROVED at a regular meeting of the Board of Directors of Olivenhain Municipal Water District held on Wednesday, September 18, 2024.

Christy Guerin, President
Board of Directors
Olivenhain Municipal Water District

ATTEST:

Larry Watt, Secretary
Board of Directors
Olivenhain Municipal Water District

SAN DIEGUITO VALLEY GROUNDWATER PROJECT UPDATE

September 18, 2024



Project Background

State of Water in California

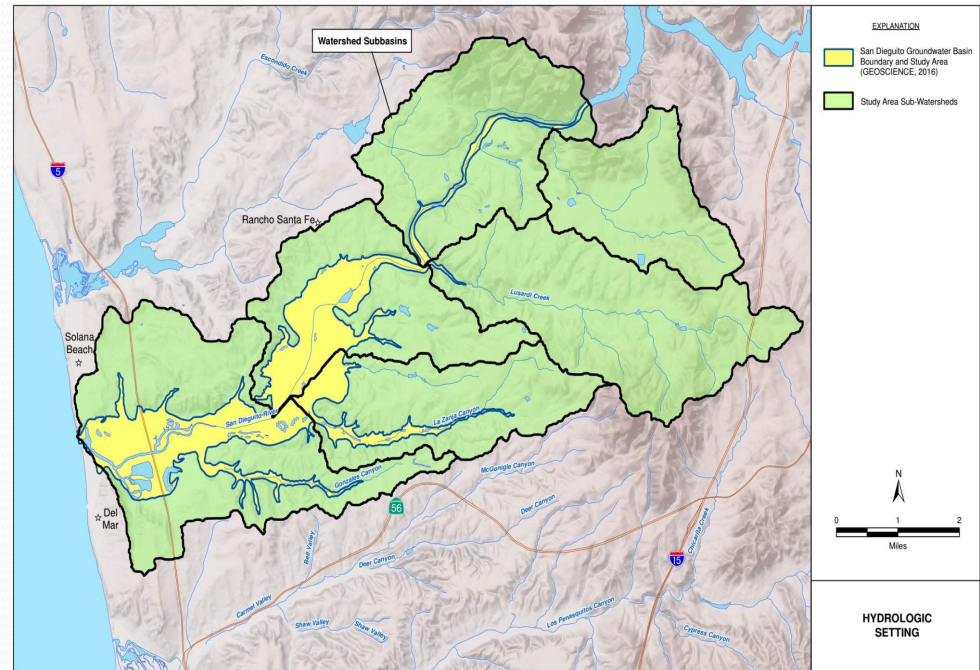
- OMWD reliant on imported water
- Imported water increasingly expensive
- Imported water more vulnerable
- OMWD Goal – 1/3 local supply
- Groundwater
 - Drought-proof
 - Reliable
 - Cost-competitive
 - Local control
- OMWD 1 of 7 SD water agencies without local potable supplies



Project Background

2008-2016

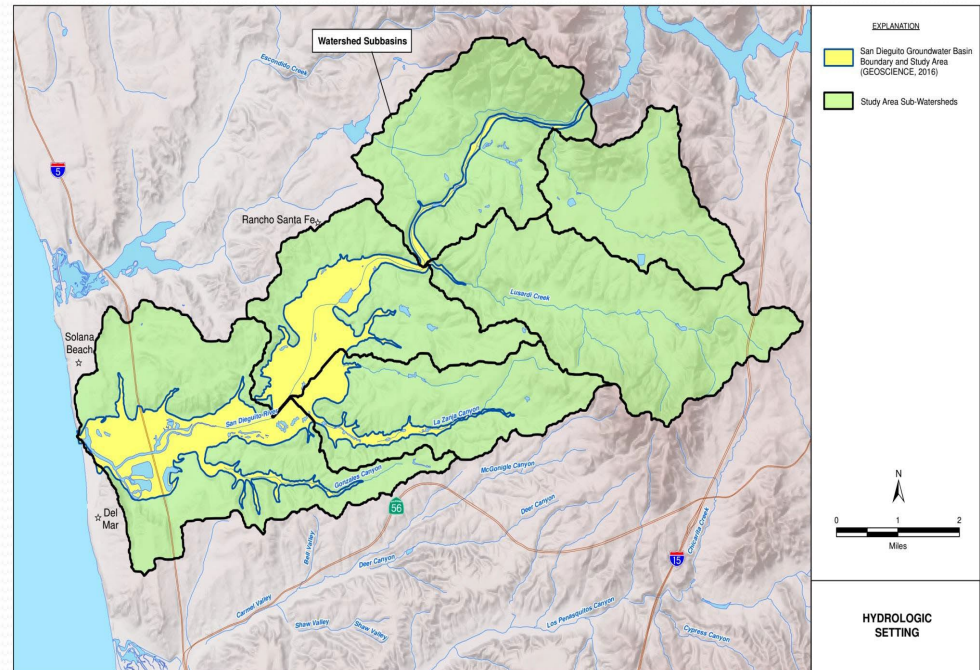
- 2008 board direction - brackish groundwater, rather than Carlsbad Desalination
- 2010 Opportunities & Constraints
 - San Elijo GW
 - San Dieguito GW
- 2016 San Elijo - potentially feasible (USBR funding)



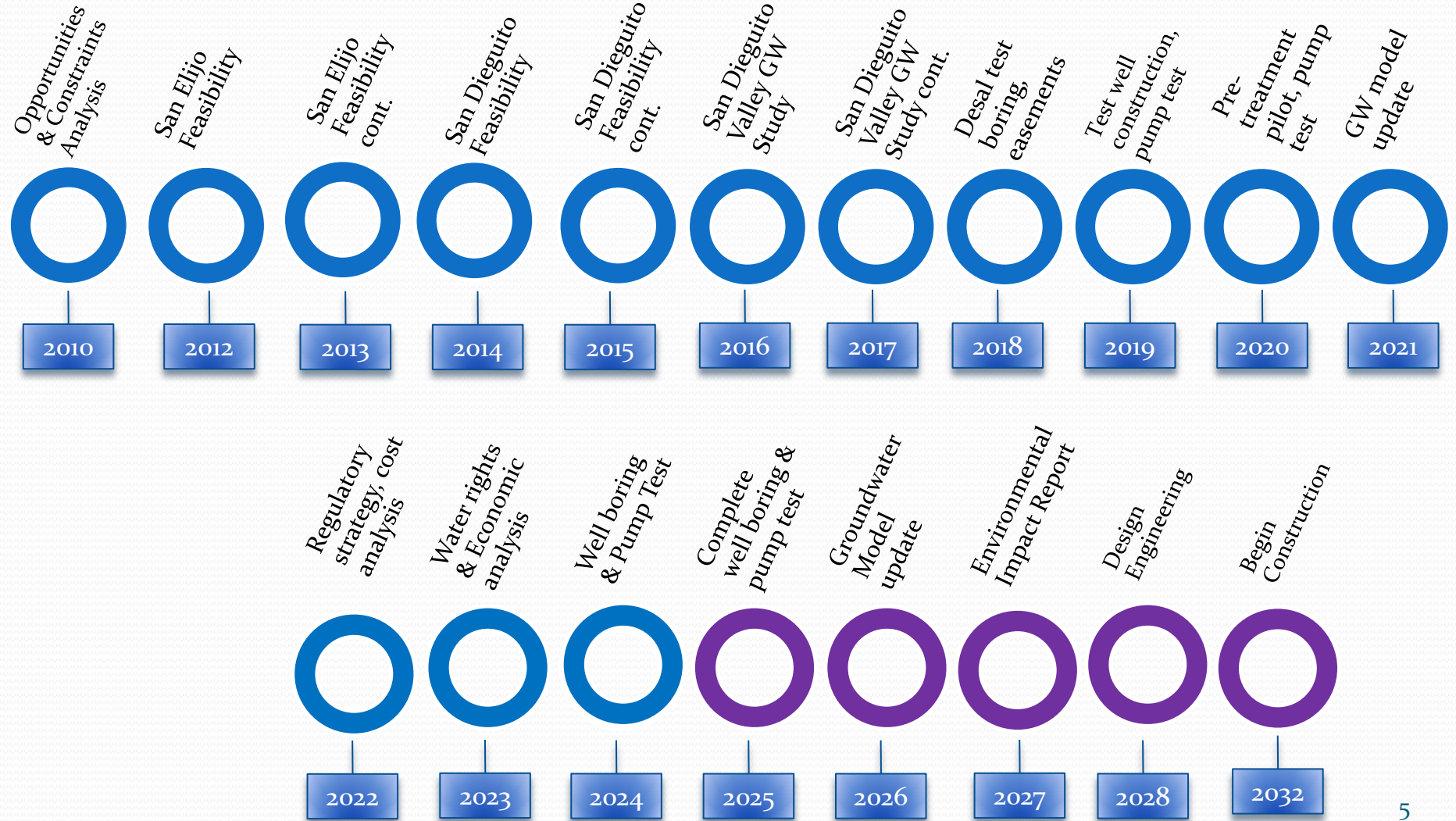
Project Background

2017 - 2024

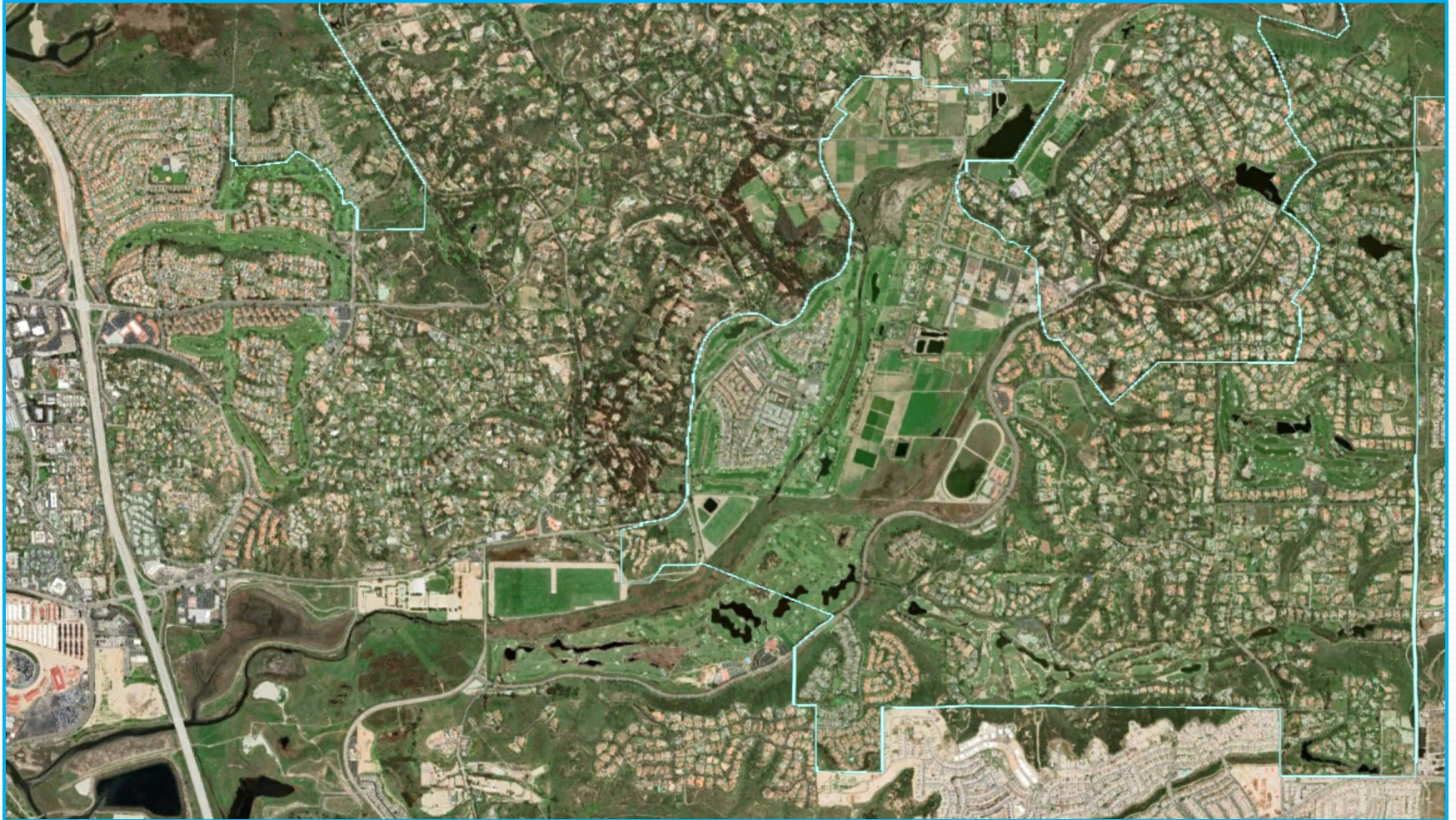
- Regulatory/Environmental - clear path to approval
- Water Rights look favorable
- Economic Analysis continues to improve – over \$30 million benefit for 30-year Project life



Project Timeline



Study Area



FY 2025 & 2026

Deceleration

FY 2025 and 2026 Deceleration

- Approved by Board in 2-Year Budget
- Reduced Scope to Just Ongoing Activities
- FY 2025 - \$417,000
- FY 2026 - \$344,000
- Potential Ramp up in Project activity & Spending FY 2027
- Delayed Construction Until FY 2032 and FY 2033

Three Reasons for Board Consideration of \$1.1 million additional FY25 appropriation

- 1. Federal Funding - \$959,752
- 2. MRP is in the process of acquiring additional property
- 3. MRP moving forward with renovations to East Golf Course

Additional Appropriation

- FY 2025 Scope
 - Partnership Development
 - POU with La Valle (MRP) - easements
 - Geoscience Agreement for test well install & pump test
 - CFP Grant Funding - \$959,752
- Need Appropriation of \$1.1 million

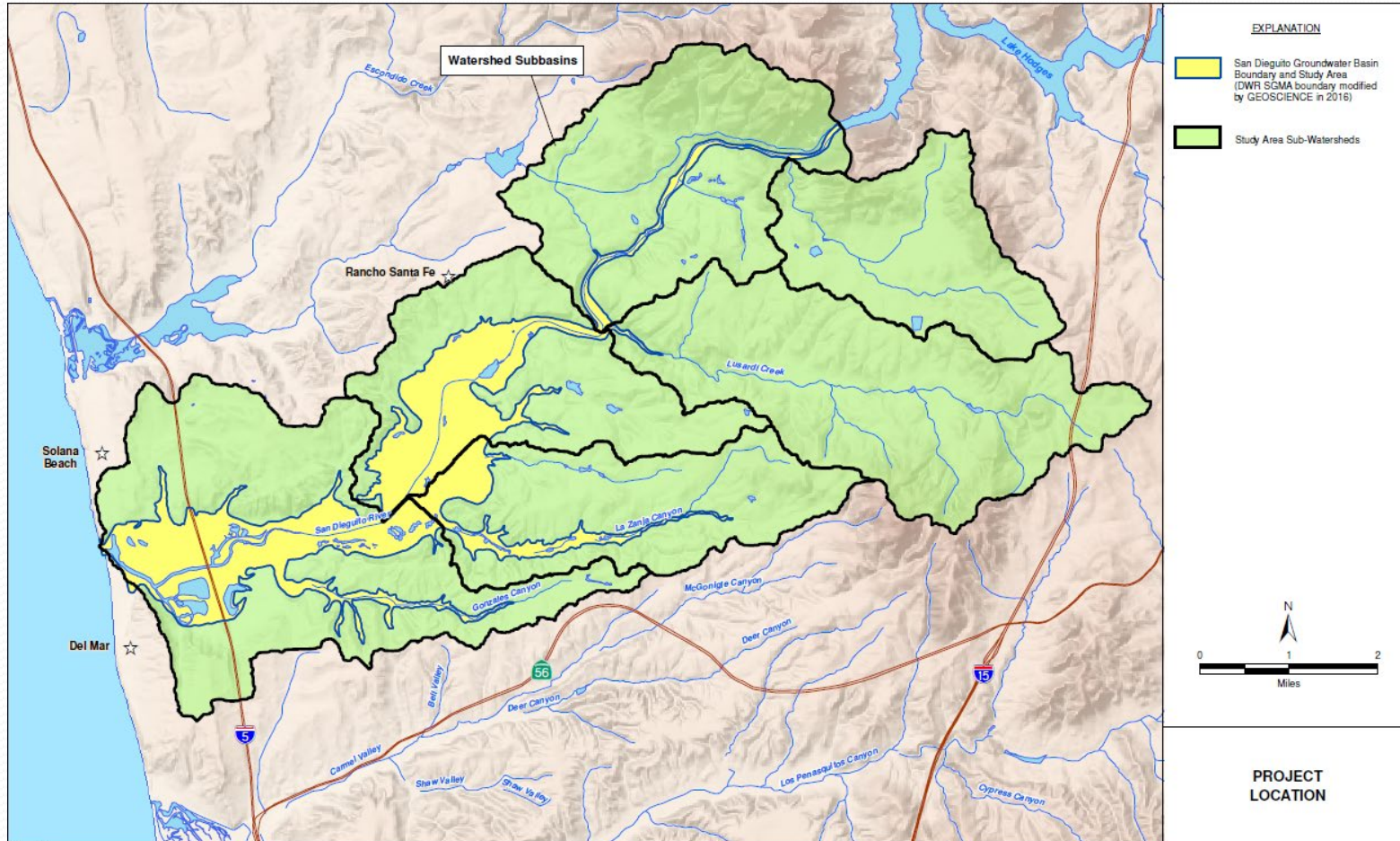
Federal Grant Opportunity

Federal Funding

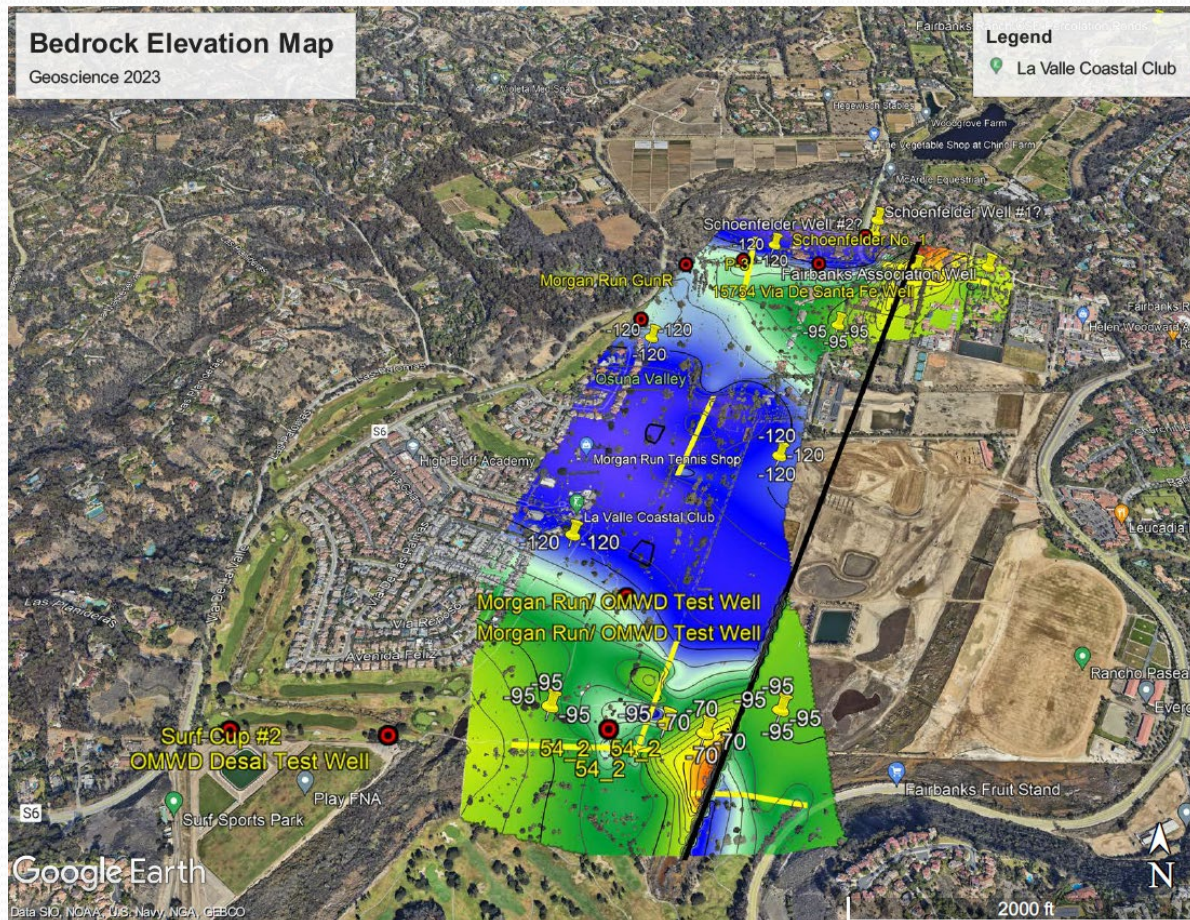
- OMWD awarded \$959,752 Community Project Funding grant
 - Staff originally requested funding for the project through Rep. Scott Peters in early 2023
 - Rep. Peters selected our proposal for inclusion in Consolidated Appropriations Act of 2024
 - Staff now working with EPA to secure the funds; submitted formal application in early September
 - After acceptance of the application, NEPA concurrence process will begin with US Fish & Wildlife, which will take several months
- Covers 80% of eligible project costs; requires local match totaling at least 20% of project costs

San Dieguito Valley Groundwater Basin Characteristics

2017 Feasibility Study



2023 Geophysical Investigation



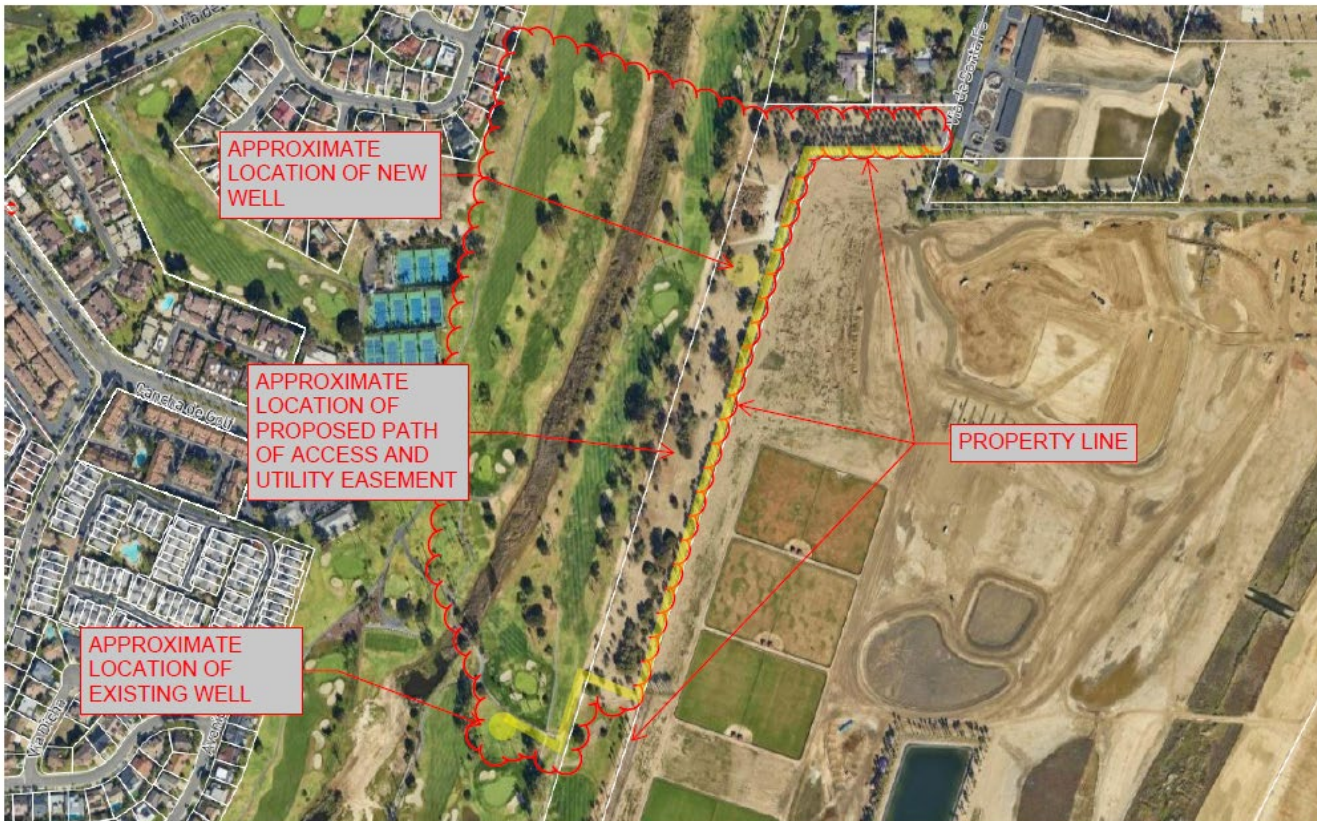
LaValle Coastal Club and Resort (MRP)

La Valle Coastal Club

- Geoscience has pinpointed the La Valle Coastal Club as the best option for test wells and future production wells
- MR PropCo, LLC recently purchased Morgan Run Golf Club and Renamed
- La Valle ownership interest in partnership
- Ongoing Renovations – provides unique opportunity to complete work while limiting impacts to golf course operations
- Easements Required – allows OMWD to control area around the wells and access for operation and maintenance

Proposed Easement

Proposed Easement Overview



1" = 500 ft

Sub Title

08/15/2024



This map may represent a visual display of related geographic information. Data provided here on is not guarantee of actual field conditions. To be sure of complete accuracy, please contact the responsible staff for most up-to-date information.

Exploratory Borehole and Pump Testing

Geoscience Agreement

- Better define geology
- Determine bedrock contribution to supply
- Test the potential for future production wells
- Develop data to update and recalibrate the Project groundwater model

Scope of Work

- Pump Test an Existing OMWD Well on LaValle Property
- Drill 1 Exploratory Borehole
 - Log Geology
 - Pump Test Bedrock
 - Pump Test Alluvial Aquifer
 - If Successful, Construct Monitoring Well

Recommended Board Actions

Recommended Board Actions

- 1. Appropriation Increase - \$1.1 Million (to take advantage of \$959,752 in grant funding)
- 2. Approval of POU – Easement Procurement
- 3. Approval of Contract with Geoscience Support Services, Inc.
- 4. Adopt Findings for CEQA exemption pursuant to Sections 15300, 15300.2 and 15306.

Board Questions, Discussion, Input

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.

September 18, 2024

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 **August 2024**:

Operations & Maintenance	August 2024	July 2024
David C. McCollom Water Treatment Plant (DCMWTP) Total Production	649.1 million gallons	712.3 million gallons
DCMWTP Average Daily Production	20.9 millions gallons	23.0 million gallons
DCMWTP Peak Day Production	28.9 million gallons	27.9 millions gallons
Source Water Blend (% State Project Water)	23%	24%
Total Deliveries to Vallecitos Water District	283.90 acre feet 92.51 million gallons	332.81 acre feet 108.45 million gallons
4S and Rancho Cielo Sewer Systems Total Inflow	45.38 million gallons	41.6 million gallons
4S and Rancho Cielo Sewer Systems Average Daily Inflow	1,464,043 gallons	1,342,198 gallons
4S and Rancho Cielo Sewer Systems Peak Day Inflow	1,711,835 gallons	1,706,174 gallons
4S and Rancho Cielo Sewer Systems Low Day Inflow	1,237,833 gallons	1,172,225 gallons
4S Water Reclamation Facility (4SWRF) Average Daily Production	1,028,027 gallons	1,126,921 gallons
4SWRF Peak Day Production	1,300,557 gallons	1,467,997 gallons
4SWRF Total to Recycled Water Distribution System	31.8 million gallons	34.9 million gallons
4S Recycled Water Storage Pond Volume	0 acre feet	14 acre feet
Repaired Potable Water Main Leak(s)	0	0
Repaired Potable Water Service Lateral Assembly Leak(s)	2	1
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)	0	1
Replaced Valve(s) Monthly Total	2	6
Replaced Valve(s) Calendar Year to Date	18	16
Recycled Water Use Site Inspections & Visits	24	21
Recycled Water Use Site Cross Connection Tests	3	4
Cross Connection Site Surveys	2	2
Backflow Inspections & Testing (New)	7	10
IT Help Requests	27	17
Customer Services	August 2024	July 2024
Customer Calls and Inquiries	2,317	2,073
Total Monthly Bills Issued	22,994	23,001
Service Orders	953	720
New Potable Meters	1	3
New Fire Meters	1	0
New Recycled Water Meters	0	0

Advanced Metering Infrastructure (AMI) Troubleshooting Investigations	72	53
Customer Services - Continued	August 2024	July 2024
Automated Meter Reading (AMR) Troubleshooting	36	36
Stopped/Underperforming Meters Replaced	130	107
Meter Transceiver Units (MXU) Upgraded to AMI	278	101
Meter Accuracy Tests Performed	0	0
Water Use Evaluations	14	15
Water Use Violation Reports	2	2
Workshops, Events, and Tours	1	2
High-Efficiency Clothes Washer Rebate Applications	10	4
Weather-Based Irrigation Controller Rebate Applications	7	4
Hose Irrigation Controller Rebate Applications	0	0
High-Efficiency Rotating Nozzle Rebate Applications	1	3
High-Efficiency Toilet Rebate Applications	0	0
Rain Barrel Rebate Applications	2	1
Flow Monitor Device Rebate Applications	5	2
Turf Removal Project Rebate Applications	1	3
Social Media Posts	19	21
News Releases/Media Advisories	0	4
EFRR	August 2024	July 2024
Special Use/Event Permits	2	0
Parking Notices	60	66
Incident Reports	7	6
Vehicle Count	2,911	3,580
Trail Use Count	4,756	5,694
Days Closed Due to Rain/Red Flag	0	0
Days Interpretive Center (IC) Open	17	18
Number of IC Visitors	256	224
Volunteer Trail Patrol Shifts	8	7
Volunteer Docent Hours	61	99
Total Number of Docents	66	66
Finance	August 2024	July 2024
Infosend Payments (ACH and Credit Card)	14,802	15,114
California Bank & Trust Lockbox Payments	2,297	2,600
Over the Counter Payments	583	486
Check-free, Metavante and Chase	4,190	4,468
Finance Calls and Walk-ins	124	94
Service Orders/New Meters Processed	14	15
Service Orders Closed Out	2	3
Purchase Orders	14	19
Inventory Items Received	542	2,344
Invoices Processed	494	557
Payroll Direct Deposits Processed	246	247
Payments to Vendors	212	278

ENGINEERING DEPARTMENT

Engineering Manager Lindsey Stephenson Highlights for August 2024:

4S Ranch Neighborhood 1 Sewer Pump Station Replacement Project continued to progress through construction and is working towards completion. The Recycled Water Pipeline Extensions Project continues to progress with pipeline installations underway in Encinitas and Carlsbad. Unit A Potable Water Pipeline Replacement Project continues pipeline replacement on RSF road. Activities related to the construction of the David C. McCollom Water Treatment Plant (DCMWTP) 4th Stage Plant Improvement Project continue to progress. Work for the DCMWTP Chlorine Generation Room Floor Repair Project continued construction. Construction of the Gardendale and Village Park West Pressure Reducing Stations Replacement Project was awarded and is in the contracting phase. Staff continued planning and design efforts on multiple CIP projects, including the Potable and Recycled Water Master Plan Update. Staff also 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 August 2024:

Human Resources staff organized a Summer Wellness Challenge for interested employees. Participated in the WUHRC (Water Utilities Human Resources Committee) interagency meeting to discuss various human resources topics. Assisted with the annual Supervisor/Manager employee appreciation luncheon. Participated in interagency planning meetings for the Water Career Field Day event. Met with the District Kaiser insurance broker regarding the annual renewal. Participated in an account review meeting for the recently implemented online application system. Spent time dealing with personnel matters. Safety staff conducted safety training for the two new San Diego County Water Authority interns. Hosted on-site audiometric testing and forklift training for necessary staff. Safety staff attended CalOSHA's seminar on indoor heat illness program requirements.

Requests Received Pursuant to the Public Records Act (August 1-31):

Requestor

None

Documents Requested

None

OPERATIONS & MAINTENANCE

Operations Manager Jesse Bartlett-May Highlights for August 2024:

Staff replaced a worn-out butterfly flow control valve on Train 8 which was preventing the train from operating reliably. Strainer backwash discharge pipeline failed during a plant startup and required an emergency repair by construction and WTP staff. The chlorine generation equipment is offline for refurbishment of the concrete slab and Operations staff is blending industrial strength bleach to a usable concentration which enables the plant to remain operational and in full compliance until repairs are completed. Instrument Control Technicians (ICT) staff are supporting Neighborhood #1 Sewer Pump Station commissioning and IT staff continue to meet the demands of network updates. The 4S Recycled Water Storage Reservoir (Pond) was emptied

in mid-August. Pond cleaning, inspection and liner repairs, if needed, will commence in early September. In addition, one of the Pond underdrain pumps was pulled by 4S staff, ICTs and PMTs, for repairs and will be put back into service. System Operators discovered an expired discharge flow meter at Santa Fe Valley Pump Station, and with assistance from ICT, a new meter has been ordered and will be installed. System Operations met with San Elijo Joint Powers Authority to finalize Manchester Recycled Pipeline pressure settings. Construction repaired two corrosion leaks on water service laterals within Del Mar Country Club and completed slurry seal work on 280 feet of pavement on Coyote Bush Drive and Fostoria Court in 4S Ranch.

CUSTOMER SERVICES DEPARTMENT

Customer Services Manager John Carnegie Highlights for August 2024:

Published August issue of *Watching Water* newsletter; mailed 401 postcards notifying customers affected by the next Advanced Metering Infrastructure Expansion Project phase of upcoming work and the My Water Use dashboard; submitted to California Department of Transportation and US Fish and Wildlife Service a final biological assessment including the mitigation proposal for EFRR Recreational Trails Program grant; participated in City of Encinitas Climate Action Plan meeting and SDCWA Water Use Efficiency program workshop; held Ad Hoc Outreach and Conservation Committee meeting; signed on to two coalition letters to assemblymembers in opposition of SB 1255; signed on to coalition “Senate Floor Alert” supporting AB 2257; submitted to assemblymembers comment letters in support of SB 366 and SB 1330; submitted to Governor Newsom comment letters in support of AB 1827 and SB 366; submitted to California Special Districts Association for co-sponsorship consideration a 2025 legislative proposal regarding AB 930 (2021) to resolve the inequity in current law regarding excavator disputes; and published updated “Welcome” service overview video for website visitors.

At EFRR, completed comprehensive survey of all signage in EFRR and identified priority replacement areas; held free landscape and wildfire safety workshop at interpretive center in partnership with Rancho Santa Fe Fire Protection District and Ecology Artisans; and held EFRR Executive Committee meeting.

FINANCE DEPARTMENT

Finance Manager Rainy Selamat Highlights for August 2024:

Completed FY 24/25 wastewater bill calculations and submitted annual wastewater service fees to the San Diego County Tax Assessor’s office for the tax roll; reviewed various accounts reconciliation in preparation for FY 23/24 financial audit; staff is working on preparing schedules for the auditors; met with Ms. Sophia Kuo with the Pun Group and GM Thorner to discuss FY23/24 financial and single audits; attended SD Women in Water Breakfast with GM Thorner and Engineering Manager Stephenson; attended SDCWA’s Water Rate Workgroup meeting with GM Thorner; obtained approval from the Board on the proposition 218 Notice for the October 16th rate hearing; sent out the notice of public hearing for water rate increase to 25,740 water customers; staff worked with Raftelis to finalize the water bill calculator for posting; prepared staff’s report to the Board for water capacity fee hearing; obtained approval from the Board on pre-buying water from SDCWA for savings; and reviewed amendments to the District’s 401 (a) retirement plan and scheduled meetings with Lincoln Financial to discuss amendments.

ASSISTANT GENERAL MANAGER:

The Assistant General Manager reports the following for August 2024:

Attended San Diego Integrated Regional Water Management Regional Advisory Committee meeting, Public Outreach and Conservation Subcommittee Meeting and Elfin Forest Recreation Reserve Executive Committee Meeting. Participated in OMWD Manager/Supervisor Appreciation BBQ. Continued working with Customer Services on identifying Grant opportunities, public records request review, review and preparation of upcoming projects including Electric Vehicle Fleet Migration, coordination and planning for Water Career Field Day, exploring partnership opportunities with La Valle Coastal Club to benefit the San Dieguito Valley Groundwater Project, planning and set-up of discussion with San Elijo Joint Powers Authority on the Manchester Recycled Water Pipeline, North San Diego Water Reuse Coalition coordination and claims management.

GENERAL MANAGER:

The General Manager reports the following for August 2024:

General Manager Thorner attended the One Water North San Diego Coalition Meeting, hosted a Finance Committee Meeting, attended the Member Agency Managers Meeting, attended the San Diego Women in Water event, attended Member Agency Managers/Member Agency Finance Officers Workgroup Meeting, attended the San Diego Chapter's California Special Districts Association Quarterly Dinner, attended the North County Manager's Meeting, completed required AB 1234 Ethics Training, hosted a Public Outreach and Conservation Subcommittee Meeting, hosted a Managers/Supervisors Employee Appreciation BBQ, held a Staff Leadership Meeting, attended the WaterReuse California Executive Committee Meeting, and dedicated significant time to reviewing records requests, to reviewing the SDCWA board packet, legal matters, coordinating the Water for People Annual Luncheon, reviewing the Proposition 218 notice 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.

MEMORANDUM

To: Kimberly Thorner, Esq., Olivenhain MWD Board of Directors

From: Don MacFarlane, Consulting Engineer

Subject: Metropolitan Water District of Southern California (MWD)
Committee Meetings

Date: September 9, 2024

This is a report on the One Water and Stewardship Committee, and the Engineering, Operations, and Technology Committee meetings, held on September 9, 2024. This report is based on Board presentations and reports, and the webcast.

Finance and Asset Management Committee – No Meeting

One Water and Stewardship Committee –

1. SWP Allocation - Remains at 40 percent.
2. Colorado River Basin, USBR August 2024 24-Month Study, for Water Year 2025 – In the most probable scenario, Lake Powell would release 7.48 MAF downstream, somewhat less than a normal release of 8.23 MAF. Lake Mead would be in a Tier 1 Shortage Condition, with Drought Contingency Plan (DCP) contributions to maintain storage levels. MWD supplies would not be impacted and MWD would be able to take delivery of Intentionally Created Surplus (ICS) supplies, if needed.
3. State Water Project Overview – To prepare for a future Committee discussion of the Delta Conveyance Project, staff presented a detailed overview including history, challenges, benefits, and costs. This is a valuable background and resource document. In terms of cost, since inception, MWD has spent \$29.9 billion on the SWP and has received 44.3 MAF of water, for an average cost of \$674/acre-foot (\$2023). This is less than the low end of the cost for alternative supplies such as recycled water, seawater desalination, stormwater capture, and conservation.

Engineering, Operations, and Technology Committee –

1. August 2024 Demands - 145 TAF, approximately 11 TAF more than in 2023.

MEMORANDUM

Metropolitan Water District of Southern California

September 9, 2024 Committee Meetings

Page 2

9/10/2024

2. Target Percentage of SWP Water Delivered to the Skinner Water Treatment Plant (and OMWD Raw Water Supply) – 25 percent.

CWA – San Diego County Water Authority

EIR – Environmental Impact Statement

EIS – Environmental Impact Statement

MCL – Maximum Contaminant Level

MGD – Million Gallons per Day

MWD – Metropolitan Water District of Southern California

PFAS – Per- and Polyfluoroalkyl Substances

SWP – State Water Project

DWR – California Department of Water Resources

MAF – Million acre-feet

TAF – Thousand acre-feet

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: September 18, 2024
RE: Attorney Report: Employment Law Update
150152-0005

I. INTRODUCTION.

This attorney report provides an update on a recent California Supreme Court ruling in *Stone v. Alameda Health System* (“Stone”). In the *Stone* decision, the Court held that public agencies are exempt from penalties under California Labor Code sections 2698 *et seq.*, commonly referred to as the Private Attorneys General Act or “PAGA.”

In addition, the California Supreme Court held that general provisions of the Labor Code are inapplicable to public agencies, unless the express terms of a specific statute render the Code applicable.

The decision is a helpful ruling that limits employment law liability for public agencies. PAGA is a broad statute that removes the traditional standing requirements, essentially allowing any aggrieved employee to bring an action on behalf of his or her self, other employees and the state as a “private attorney general.” By holding that public agencies are exempt from penalties under PAGA, the *Stone* case significantly reduces employment liability exposure for public agencies.

II. THE PRIVATE ATTORNEY GENERAL ACT.

PAGA is a not widely known Labor Code provision that permits aggrieved employees to recover civil penalties that were once only recoverable by the California Labor and Workforce Development Agency (“LWDA”) and the Labor Commissioner. PAGA essentially “deputizes” an employee with a wage and hour claim, by authorizing an employee to bring an action for civil penalties on the employee’s behalf, other employees and the state for Labor Code violations, with most of the proceeds of that litigation going to the state.

PAGA expands the scope of penalties available for Labor Code violations and is primarily used for wage and hour lawsuits. PAGA is sometimes referred to as the “bounty-hunter law” because it allows a plaintiff to recover these civil penalties that were only recoverable by the Labor Commissioner; however, it requires that the plaintiff

provide 65% of the civil penalties recovered to the LWDA and the remaining 35% to the aggrieved employees. Because PAGA claims seek to recover penalties, a one year statute of limitations applies.

PAGA was recently amended earlier this year to require that a plaintiff must have suffered the same harm as the other allegedly aggrieved employees. With these amendments, a plaintiff can now only bring suit on behalf of employees “against whom a violation of the same code provision was committed.” For example, a plaintiff who only experienced rest break violations can now only seek penalties on behalf of other employees who also suffered rest break violations. Under the old version of PAGA, the same plaintiff could have brought claims on behalf of other employees for Labor Code violations they themselves did not suffer, as long as the plaintiff suffered at least one of the same violations. Since its passing, PAGA has become a powerful tool for plaintiffs seeking to assert class action lawsuits.

III. BACKGROUND.

In *Stone*, plaintiffs consisted of a class of employees who worked at Highland Hospital, a facility operated by the Alameda Health System (“AHS”). AHS is a public entity created by the Alameda County Board of Supervisors “strictly and exclusively dedicated to the management, administration, and control of the medical center.”

The plaintiff class asserted a number of Labor Code violations including: failure to provide off-duty meal periods and rest breaks; failure to keep accurate payroll records and provide accurate itemized wage statements; and failure to pay wages timely. In addition to seeking damages based on these claims, the plaintiff class also sought the imposition of PAGA penalties for the alleged Labor Code violations.

IV. COURT’S ANALYSIS.

AHS demurred to the complaint in the trial court on the ground it was a public entity and therefore exempt from the Labor Code provisions asserted in the complaint. The trial court sustained the demurrer without leave to amend and dismissed the complaint. Plaintiffs appealed. The Court of Appeal reversed the finding, in part, that AHS was not an exempt public entity -- thereby allowing the plaintiffs to assert alleged Labor Code violations against the public agency.

The California Supreme Court granted review and reversed the decision of the Court of Appeal. The Supreme Court first addressed whether the Labor Code sections on which the plaintiffs relied for their claims were applicable to AHS as a public entity. The Court noted the longstanding rule in California that “absent express words to

the contrary, governmental agencies are not included within the general words of a statute.”

The Court further noted that a number of courts have applied this principle to find that public employers are not subject to general provisions of the Labor Code. Previous courts have limited the application of the rule that public employers are exempt from general provisions of the Labor Code based on what has come to be known as the “sovereign powers” doctrine. Specifically, “the rule excluding government agencies from the operation of general statutory provisions applies only if their inclusion would result in an infringement upon sovereign governmental powers.” (Citing *Regents of Univ. of Cal. v. Superior Court* (1976) 17 Cal.3d 533, 536.)

The Court in *Stone* made clear, however, that the “sovereign powers” doctrine “is simply a maxim of statutory construction. While the ‘sovereign powers’ principle can help resolve an unclear legislative intent, it cannot override positive indicia of a contrary legislative intent.” The Court in *Stone* found “positive indicia” of a legislative intent to exclude public employers from certain Labor Code requirements, based on a number of factors including the large number of appellate court decisions that have ruled that unless the laws in question expressly state otherwise, certain of the Labor Code’s general requirements do not apply to public employers.

Accordingly, the Court in *Stone* concluded that the Labor Code provisions at issue were inapplicable to AHS as a public employer, and the presumption that general provisions of the Labor Code are inapplicable to public employers could not be overcome by the so-called “sovereign powers” doctrine. (Citing *California Correctional Peace Officers’ Assn. v. State of California* (2010) 188 Cal.App.4th 646, 653)

Moving on from its holding that the Labor Code provisions relied on by the plaintiffs in *Stone* were inapplicable to AHS, the Court addressed the applicability of PAGA to public entities. The Court held that because AHS, as a public employer, could not be held liable under the Labor Code sections on which the plaintiffs based their claims, plaintiffs were not “aggrieved employees” for purposes of PAGA and, therefore, could not proceed with an action for PAGA penalties.

The Court in *Stone* found PAGA inapplicable to public employers regardless of whether the underlying Labor Code provisions being sued on contained a specific penalty for their violation (i.e., “defined penalty” provisions) or were silent as to the penalty to be imposed for their violation (i.e., “default penalty” provisions). In reaching this conclusion, the Supreme Court considered PAGA’s statutory language, which provides for penalties against “the person who employs one or more employees,” along with “person” defined by the Labor Code as “any person, association, organization,

partnership, business trust, limited liability company, or corporation.” The Supreme Court noted that a public entity does not fit the Labor Code’s definition of “person.”

On this point, the Court in *Stone* effectively overruled the previous holding in *Sargent v. Board of Trustees of California State University* (2021) 61 Cal.App.5th 658, 672-673, which found that while PAGA penalties were not recoverable from a public employer under defined penalty provisions, PAGA penalties could be assessed for violation of default penalty provisions. This prior appellate case law held that Labor Code section 18’s definition of “person” was limited to alleged Labor Code violations where PAGA’s default penalties applied, but not for Labor Code violations where a civil penalty is already provided. However, the Supreme Court’s decision in *Stone* holds that Labor Code § 18’s definition of “person” applied to PAGA as a whole and not just default penalties such that public employers are not subject to penalties under PAGA.

The California Supreme Court also noted that PAGA’s legislative history did not reflect a clear intent to apply PAGA’s statutory penalties to public entities. The Court further acknowledged that subjecting public entity liability to PAGA’s penalty and fee shifting provisions would create a substantive financial burden on public agencies.

After addressing all of the foregoing, the Court in *Stone* ultimately ruled that “based on the statutory text, legislative history, and public policy, we conclude public entity employers are not subject to PAGA suits for civil penalties.”

V. CONCLUSION.

The California Supreme Court’s decision in *Stone* represents a significant victory for public agencies. The Court’s ruling reaffirms the presumption that general provisions of the Labor Code are inapplicable to public agencies unless the express terms of the statute render it so applicable, while also substantially eroding the “sovereign powers” doctrine as a means for overcoming this presumption.

Moreover, the California Supreme Court’s decision expressly holds that public agencies are not subject to PAGA suits for civil penalties. The Court’s ruling notes that PAGA penalties could impose a significant financial burden on public entities, and in turn taxpayers, which would ultimately serve to hinder the ability of public agencies to carry out their public missions.

The Court’s holding in *Stone* eliminates a significant source of potential liability for public agencies and should serve as a deterrent to future claims based on alleged PAGA violations.

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.



BOARD MEETING SUMMARY AUGUST 22, 2024

1. Adopt Positions on various Bills.
The Board adopted a position of Support on the federal “Improving Atmospheric River Forecasts Act”, authored by Senator Alex Padilla.
2. Resolution honoring Colorado River Board of California Executive Director Chris Harris.
The Board adopted Resolution No. 2024-15, a Resolution of the Board of Directors of the San Diego County Water Authority honoring Colorado River Board of California (CRB) Executive Director Chris Harris on his retirement from the CRB after serving the organization for 24 years.
3. Amendment to Professional Services Contract with E Source Companies, LLC., for the Regional Water Loss Program to Allow for Member Agency Funded Projects.
The Board approved the amendment to the professional services contract with E Source Companies, LLC., to extend the term of the contract through June 30, 2027, increasing the contract amount by \$100,000 for a new not-to-exceed amount of \$250,000, and authorized the General Manager, or designee, to execute the amendment.
4. Design professional services contract with Simpson Gumpertz & Heger Inc. for carbon fiber reinforced polymer lining design and engineering support services, as-needed.
The Board awarded a design professional services contract to Simpson Gumpertz & Heger Inc. for a not-to-exceed amount of \$1,000,000, to provide carbon fiber reinforced polymer lining design and engineering support services, as-needed, for a period of three years, with an option to extend two-years, and authorized the General Manager, or designee, to execute the contract.
5. Amendment to professional services contract with City of San Diego for water quality testing and analysis services.
The Board authorized the General Manager to execute the Second Amendment to the professional services contract with the City of San Diego for a period of five years, for a not-to-exceed amount of \$500,000, increasing the authorized cumulative contract time from ten years to fifteen years, and the cumulative amount from \$565,000 to \$1,065,000, and authorized the General Manager, or designee, to execute the amendment.
6. Treasurer’s Report.
The Board noted and file the monthly Treasurer’s report.
7. Resolution establishing amount due from the City of San Diego for the In-Lieu Charge as a condition of providing water service for Fiscal Year 2025.
The Board adopted Resolution No. 2024-16, establishing an amount due of \$3,290,201.51 from the city of San Diego for the In-Lieu charge for Fiscal Year 2025.
8. Amendments to the San Diego County Water Authority Local Conflict of Interest Code.
The Board conducted the Public Hearing; and adopted Resolution No. 2024-17, approving amendments to the San Diego County Water Authority Local Conflict of Interest Code.



9. Approval of Minutes
The Board approved the minutes of the Formal Board of Directors' meeting of July 25, 2024.
10. Retirement of Director John Simpson, Camp Pendleton Marine Corps Base.
The Board adopted Resolution No. 2024-18, a Resolution of the Board of Directors of the San Diego County Water Authority, honoring John Simpson upon his retirement from the Board of Directors.
11. Retirement of Director Kyle Swanson, Padre Dam Municipal Water District.
The Board adopted Resolution No. 2024-19, a Resolution of the Board of Directors of the San Diego County Water Authority, honoring Kyle Swanson upon his retirement from the Board of Directors.
12. Amendment of General Counsel's Contract.
The Board approved amendments to the General Counsel's contract to extend the term of the agreement to October 22, 2028, approved payment of up-to \$5000 for executive health examination, increased vacation accrual rate to 6.7692 hours per pay period, and increased salary by 7 percent consisting of 5 percent COLA and 2 percent merit, effective July 1, 2024.

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.



NOSSAMAN LLP | Memorandum

TO: Olivenhain Municipal Water District
FROM: Ashley Walker, Senior Policy Advisor, Nossaman LLP
Jennifer Capitolo, Jennifer M. Capitolo and Associates LLC
DATE: September 9, 2024
RE: September 2024 Public Policy Report

State Legislative Updates:

Status of the Legislature: During the first couple weeks of August, the appropriations committees met to take up bills with a fiscal impact to the state. The suspense process blocked more than 270 bills, more than usual this year, which is attributed to the budget shortfall. We had positions on several bills that were ultimately held on suspense due to the cost.

The legislature officially adjourned at 12:05 am September 1st. It was an exciting end to the two-year legislative cycle. The November elections will bring many new members to Sacramento. There will be changes to committee membership as well. On swearing-in day in December, members can introduce new bills for the 2025-26 legislative session. The official start of the new two-year legislative cycle will begin in early January 2025.

Legislation: Nossaman has outlined legislation of interest to OMWD that we have current positions on, below. Nossaman provided testimony for each of the bills below in the appropriation committee hearings. We have also submitted letters requesting the governor's signature on bills that made it to his desk for action.

Support Positions:

- **AB 1827 (Papan): Local government: fees and charges: water: higher-consumptive water parcels.** This bill would provide that the fees or charges for property-related water service imposed or increased, as specified, may include the incrementally higher costs of water service due to specified factors, including the higher water usage demand of parcels. The bill would provide that the costs associated with higher water usage demands, the maximum potential water use, or a projected peak water usage demand may be allocated using any method that reasonably assesses the water service provider's cost of serving those parcels that are increasing potential water usage demand, maximum potential water use, or project peak water use demand.

Current Status: On the governor's desk.

OMWD Position: Support.

ACWA Position: Support.

- **AB 2257 (Wilson): Local government: property-related water and sewer fees and assessments: remedies.** This bill would prohibit, if a local agency complies with specified procedures, a person or entity from bringing a judicial action or proceeding alleging noncompliance with the constitutional provisions of Proposition 218 for any new, increased, or extended fee or assessment, unless that person or entity has timely submitted to the local agency a written objection to that fee or assessment that specifies the grounds for alleging noncompliance.

Current Status: On the governor's desk.

OMWD Position: Support.

ACWA Position: Sponsor.

- **SB 366 (Caballero): The California Water Plan: long-term supply targets.** This bill would revise and recast certain provisions regarding The California Water Plan to require the department to instead establish a stakeholder advisory committee and to expand the membership of the committee to include tribes, labor, and environmental justice interests. The bill would require the department to coordinate with California Water Commission, State Water Resources Control Board, other state and federal agencies as appropriate, and the stakeholder advisory committee to develop a comprehensive plan for addressing the state's water needs and meeting specified long-term water supply targets established by the bill for purposes of The California Water Plan. The bill would require the plan to provide recommendations and strategies to ensure enough water supply for all designated beneficial uses.

Current Status: On the governor's desk.

OMWD Position: Support.

ACWA Position: Support.

- **SB 1072 (Padilla): Local government: Proposition 218: remedies.** Provides that, if a court determines that fee or charge for a property related service, including water, sewer, and refuse collections violates Proposition 218, then the local agency must, in the next procedure to impose or increase the fee or charge, credit that amount against the cost of providing the property related service, unless statute explicitly provides a refund remedy. The measure also states it does not apply to claims related to billing errors.

Current Status: On the governor's desk.

OMWD Position: Support.

ACWA Position: Support.

- **SB 1218 (Newman): Water: emergency water supplies.** This bill declares that it is the established policy of the state to encourage, but not mandate, the development of emergency water supplies, and to support their use during times of water shortage.

Current Status: Held on Suspense.

OMWD Position: Support.

ACWA Position: Support.

- **SB 1330 (Archuleta): Urban retail water supplier: Water use.** Current law requires an urban retail water supplier to calculate its urban water use objective no later than January 1, 2024, and by January 1 every year thereafter, and to be composed of the sum of specified data, including aggregate residential water use. Current law requires each urban retail water supplier's water use objective to be composed of the sum of specified aggregate estimates, including efficient outdoor irrigation of landscape areas with dedicated irrigation meters or equivalent technology in connection with water used by commercial water users, industrial water users, institutional water users, and large landscape water users (CII). Current law requires an urban retail water supplier to submit reports to the Department of Water Resources, as provided, by the same dates. This bill would require the department to, no later than January 1, 2035, conduct necessary studies and investigations regarding the efficiency performance of newly constructed residential landscapes and landscape areas with dedicated irrigation meters in connection with CII water use.

Current Status: Held on Suspense.

OMWD Position: Support.

ACWA Position: Support.

Oppose Position:

- **SB 1255 (Durazo): Public water systems: needs analysis: water rate assistance program.** 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. Current law requires the State Water Resources Control Board to annually adopt a fund expenditure plan, as provided, and requires expenditures from the fund to be consistent with the fund expenditure plan. Current law requires the state board to base the fund expenditure plan on data and analysis drawn from a specified drinking water needs assessment. This bill would require the state board to update a needs analysis of the state's public water systems to include an assessment, as specified, of the funds necessary to provide a 20% bill credit for low-income households served by community water systems with fewer than 3,300 service connections and for community water systems with fewer than 3,300 service connections to meet a specified affordability threshold on or before July 1, 2026, and on or before July 1 of every 3 years thereafter. (2) Existing law requires the state board, by January 1, 2018, to develop a plan for the funding and implementation of the Low-Income Water Rate Assistance Program. Existing law requires the plan to include, among other things, a description of the method for collecting moneys to support and implement the program and a description of the method for determining the amount of moneys that may need to be collected from water ratepayers to fund the program. This bill would require qualified systems, defined as any retail water supplier that serves over 3,300 residential connections, to begin providing water rate assistance to eligible ratepayers, defined to mean a low-income residential ratepayer with an annual household income that is no greater than 200% of the federal poverty guideline level, on or before April 1, 2027. The bill would require a qualified system to automatically enroll an eligible ratepayer in the water rate assistance program if available information, which includes authorizing a ratepayer to confirm eligibility by self-certification made under penalty of perjury, indicates that they are qualified to receive assistance and provide a water bill credit. The bill

would require a qualified system, on or before July 1, 2026, to provide an opportunity for each ratepayer to provide a voluntary contribution as part of the ratepayer's water bill to provide funding for the qualified system's water rate assistance program. The bill would require a qualified system to recommend a voluntary contribution amount on the bill of each ratepayer, other than an eligible ratepayer, at a level that will raise sufficient funding to provide a discount to eligible ratepayers, pay for the qualified system's administrative costs to implement the program, and establish a balancing account if the qualified system chooses to do so. The bill would require a qualified system to notify ratepayers of the voluntary contribution on the water bill and provide each ratepayer the option and method of opting out of the voluntary contribution, as specified. The bill would also prohibit a qualified system from sanctioning or holding liable a ratepayer in any manner for not paying the voluntary contribution. The bill would authorize a qualified system to use any state or federal funds that are available to support a ratepayer assistance program by offsetting or supplementing the funds collected from voluntary contributions. The bill would authorize the Attorney General to bring an action in state court to restrain the use of any method, act, or practice in violation of these provisions, except as provided.

Current Status: Held on Suspense.

OMWD Position: Oppose. Nossaman coordinated an advocacy call with California State Assembly, Committee on Appropriations, Consultant Jacqueline Kinney, OMWD, and Padre Dam Municipal Water District.

ACWA Position: Oppose Unless Amended.

Governor's Actions and Executive Orders: The following actions have been taken by the state since the last report. This list is compiled from CalOES, California Health and Human Services, California Department of Public Health, and FEMA.

- **August 27** – Governor Newsom announced a new milestone in the transformation of San Quentin Rehabilitation Center with the demolition of the former warehouse now complete, clearing the way for a new educational complex.
- **August 26** – Governor Newsom spearheaded efforts to acquire and retrofit a C-130 Hercules aircraft to be used in CAL FIRE's fleet.
- **August 23** – Governor Newsom awarded more than \$789 million to build thousands of sustainable homes for Californians. There are 24 projects in 20 communities that will receive cap-and-trade funds to build housing and sustainable projects, such as public transit and bike and walking paths.
- **August 16** – Governor Newsom announced the launch of a methane-detecting satellite by a coalition including the State of California and several philanthropic organizations.
- **August 13** – Cal OES announced that in partnership with Tehama County, it opened a Local Assistance Center at Red Bluff Community Center on August 10.
- **August 9** – Cal OES announced that in partnership with Kern County, it will open a Local Assistance Center at the Senior Center in Lake Isabella on August 10.
- **August 5** – As Tropical Storm Debby made its way toward Georgia, Governor Newsom announced the deployment of a specialized team from California to assist in staffing a Federal Emergency Management Agency Incident Support Team.

Regulatory Updates:

State Water Resources Control Board:

- **Long-term Water Conservation Standards Rulemaking:** Water Conservation Suppliers submitted 362 completed reports to State Water Resources Control Board for the July 2024 reporting period. The estimated total urban water use was 176.7 billion gallons (542.2 thousand acre-feet), and the estimated statewide residential per capita use was 92 gallons per capita daily.
- **Clean Water State Revolving Fund (CWSRF):** The 2024-25 CWSRF Intended Use Plan was posted for public comment (closed July 15) and includes grant maximums for the Water Recycling Funding Program. The recently adopted 2024 Budget Act returns approximately \$74 million in grants to State Water Resources Control Board to administer water recycling projects. The State Water Resources Control Board adopted the 2024-25 CWSRF IUP on August 6, 2024. Staff will continue to fund project applications as they are ready to proceed.

California Air Resources Board:

- **Advanced Clean Fleets:** The California Air Resources Board has proposed a number of non-discretionary changes from [Assembly Bill \(AB\) 1594](#) through a Section 100 change. These changes are linked to at ww2.arb.ca.gov/rulemaking-activity; if you scroll down, you can download the regulatory text changes. CARB is hosting an upcoming workshop on these and other changes required by AB 1594 on September 24.

Olivenhain Legislative Report 2023-24
Report as of 9/9/2024

Support

[AB 1827](#) (Papan D) Local government: fees and charges: water: higher consumptive water parcels.
Last Amend: 4/4/2024
Status: 8/27/2024-Enrolled and presented to the Governor at 12 p.m.
Location: 8/27/2024-A. ENROLLED
Summary: The California Constitution specifies various requirements with respect to the levying of assessments and property-related fees and charges by a local agency, including requiring that the local agency provide public notice and a majority protest procedure in the case of assessments and submit property-related fees and charges for approval by property owners subject to the fee or charge or the electorate residing in the affected area following a public hearing. Current law, known as the Proposition 218 Omnibus Implementation Act, prescribes specific procedures and parameters for local jurisdictions to comply with these requirements and, among other things, authorizes an agency providing water, wastewater, sewer, or refuse collection services to adopt a schedule of fees or charges authorizing automatic adjustments that pass through increases in wholesale charges for water, sewage treatment, or wastewater treatment or adjustments for inflation under certain circumstances. Current law defines, among other terms, the term "water" for these purposes to mean any system of public improvements intended to provide for the production, storage, supply, treatment, or distribution of water from any source. This bill would provide that the fees or charges for property-related water service imposed or increased, as specified, may include the incrementally higher costs of water service due to specified factors, including the higher water usage demand of parcels.

Position
Support

Notes: ACWA position- support. Olivenhain support letter 5/2/24. Olivenhain support letter sent to Governor 8/26/24.

[AB 2257](#) (Wilson D) Local government: property-related water and sewer fees and assessments: remedies.
Last Amend: 8/5/2024
Status: 9/5/2024-Enrolled and presented to the Governor at 4 p.m.
Location: 9/5/2024-A. ENROLLED
Summary: The California Constitution specifies various requirements with respect to the levying of assessments and property-related fees and charges by a local agency, including notice, hearing, and protest procedures, depending on the character of the assessment, fee, or charge. Current law, known as the Proposition 218 Omnibus Implementation Act, prescribes specific procedures and parameters for local jurisdictions to comply with these requirements. This bill would prohibit, if a local agency complies with specified procedures, a person or entity from bringing a judicial action or proceeding alleging noncompliance with the constitutional provisions for any new, increased, or extended fee or assessment, as defined, unless that person or entity has timely submitted to the local agency a written objection to that fee or assessment that specifies the grounds for alleging noncompliance, as specified. This bill would provide that local agency responses to the timely submitted written objections shall go to the weight of the evidence supporting the agency's compliance with the substantive limitations on fees and assessments imposed by the constitutional provisions. The bill would also prohibit an independent cause of action as to the adequacy of the local agency's responses.

Position
Support

Notes: ACWA position- sponsor/ support 3.13.24. Olivenhain & Padre Dam on coalition support letter 4/24/24. Olivenhain on coalition support ASM floor alert 5/13/24. Olivenhain & Padre Dam on coalition support SEN Judiciary letter 6/4/24. Coalition Senate Floor Alert - Support to all Senators- 8/5/24

[SB 366](#) (Caballero D) The California Water Plan: long-term supply targets.
Last Amend: 8/22/2024
Status: 8/29/2024-Assembly amendments concurred in. (Ayes 38. Noes 0.) Ordered to engrossing and enrolling.
Location: 8/29/2024-S. ENROLLMENT
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." Current law requires the department to include a discussion of various strategies in the plan update, including, but not limited to, strategies relating to the development of new water storage facilities, water conservation, water

recycling, desalination, conjunctive use, water transfers, and alternative pricing policies that may be pursued in order to meet the future needs of the state. Current law requires the department to establish an advisory committee to assist the department in updating the plan. This bill would revise and recast certain provisions regarding The California Water Plan to, among other things, require the department to expand the membership of the advisory committee to include tribes, labor, and environmental justice interests. The bill would require the department, as part of the 2033 update to the plan, to update the interim planning target for 2050, as provided. The bill would require the target to consider the identified and future water needs for all beneficial uses and ensure safe drinking water for all Californians, among other things.

Position

Support

Notes: Coalition support letter 4/17/24. Olivenhain support letter to ASM Water, Parks and Wildlife committee 5/8/24. Support letter to Assembly Appropriations 8/1/24. Support letter sent to Assemblymembers Boerner and Maienschein 8/23/24. 8/30/24 letter sent to Governor requesting signature.

[SB 1072](#) ([Padilla D](#)) Local government: Proposition 218: remedies.

Last Amend: 6/17/2024

Status: 8/29/2024-Assembly amendments concurred in. (Ayes 30. Noes 9.) Ordered to engrossing and enrolling.

Location: 8/29/2024-S. ENROLLMENT

Summary: The California Constitution sets forth various requirements for the imposition of local taxes. The California Constitution excludes from classification as a tax assessments and property-related fees imposed in accordance with provisions of the California Constitution that establish requirements for those assessments and property-related fees. Under these requirements, an assessment is prohibited from being imposed on any parcel if it exceeds the reasonable cost of the proportional special benefit conferred on that parcel, and a fee or charge imposed on any parcel or person as an incident of property ownership is prohibited from exceeding the proportional cost of the service attributable to the parcel. The Proposition 218 Omnibus Implementation Act prescribes specific procedures and parameters for local compliance with the requirements of the California Constitution for assessments and property-related fees. This bill would require a local agency, if a court determines that a fee or charge for a property-related service, as specified, violates the above-described provisions of the California Constitution relating to fees and charges, to credit the amount of the fee or charge attributable to the violation against the amount of the revenues required to provide the property-related service, unless a refund is explicitly provided for by statute.

Position

Support

Notes: ACWA position- support 3.13.24. Olivenhain signed on to the CSDA Coalition letter of support for SB 1072 on 5/17/24.

Watch

[AB 460](#) ([Bauer-Kahan D](#)) State Water Resources Control Board: water rights and usage: civil penalties.

Last Amend: 8/15/2024

Status: 8/30/2024-In Assembly. Concurrence in Senate amendments pending. Senate amendments concurred in. To Engrossing and Enrolling. (Ayes 65. Noes 5.).

Location: 8/30/2024-A. ENROLLMENT

Summary: 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 require the State Water Resources Control Board to adjust for inflation, by January 1 of each year, beginning in 2026, the amounts of civil and administrative liabilities or penalties imposed by the board or in water right actions brought at the request of the board, as specified.

Position

Watch

[AB 828](#) ([Connolly D](#)) Sustainable groundwater management: managed wetlands.

Last Amend: 8/20/2024

Status: 8/28/2024-In Assembly. Concurrence in Senate amendments pending. May be considered on or after August 30 pursuant to Assembly Rule 77. Assembly Rule 77 suspended. Senate amendments concurred in. To Engrossing and Enrolling.

Location: 8/28/2024-A. ENROLLMENT

Summary: The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans, except as specified. Current law defines various terms for purposes of the act. This bill would add various defined terms for

purposes of the act, including the terms “managed wetland” and “small community water system.”

Position

Watch

Notes: ACWA position: oppose 1/19/24.

[AB 1573](#) (Friedman D) Water conservation: landscape design: model ordinance.

Last Amend: 9/1/2023

Status: 9/14/2023-Failed Deadline pursuant to Rule 61(a)(14). (Last location was INACTIVE FILE on 9/7/2023)(May be acted upon Jan 2024)

Location: 9/14/2023-S. 2 YEAR

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. Current law requires a local agency to adopt the model ordinance or to adopt a water efficient landscape ordinance that is at least as effective in conserving water as the updated model ordinance, except as specified. Current law specifies the provisions of the updated model ordinance, as provided. Current law includes a related statement of legislative findings and declarations. 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 a culturally specific project, as defined, 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 arboretums open to the public, from the model ordinance. The bill would require the updated model ordinance to include provisions that, among other changes, prohibit the use of traditional overhead sprinklers on all new and rehabilitated landscapes and require that new and rehabilitated landscapes use only water efficient irrigation devices.

Position

Watch

Notes: ACWA concerns- AB 1573 instead only defines nonfunctional turf.

[AB 1820](#) (Schiavo D) Housing development projects: applications: fees and exactions.

Last Amend: 8/20/2024

Status: 9/5/2024-Enrolled and presented to the Governor at 4 p.m.

Location: 9/5/2024-A. ENROLLED

Summary: Current law requires a city or county to deem an applicant for a housing development project to have submitted a preliminary application upon providing specified information about the proposed project to the city or county from which approval for the project is being sought. Current law requires a housing development project be subject only to the ordinances, policies, and standards adopted and in effect when the preliminary application was submitted. This bill would authorize a development proponent that submits a preliminary application for a housing development project to request a preliminary fee and exaction estimate, as defined, and would require a city, county, or city and county to provide the estimate within 30 business days of the submission of the preliminary application. For development fees imposed by an agency other than a city, county, or city and county, the bill would require the development proponent to request the fee schedule from the agency that imposes the fee and would require the agency that imposes the fee to provide the fee schedule to the development proponent without delay.

Position

Watch

Notes: ACWA position- watch.

[AB 2454](#) (Lee D) Drinking water: rental property: domestic well testing.

Last Amend: 8/22/2024

Status: 8/29/2024-Assembly Rule 77 suspended. Senate amendments concurred in. To Engrossing and Enrolling. (Ayes 61. Noes 0.).

Location: 8/29/2024-A. ENROLLMENT

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 of California. The act requires the state board to adopt primary drinking water standards for contaminants in drinking water based upon specified criteria. Current law makes certain violations of the act a crime. This bill would require an owner of a domestic well that serves a rental property within the boundaries of a testing program, as defined, to participate in the testing program, as specified. The bill would require the state board to post certain information regarding applicable testing programs on its internet website. The bill would require the owner of a domestic well that serves a rental property to ensure that the test results, and information on how to read and understand the test results, are provided to current residents of the rental property within 10 days of receiving the test results. If the test results demonstrate an exceedance of any primary drinking water standard, and the owner of the domestic well or a resident served by the

domestic well is eligible for a program for the provision of safe drinking water, the bill would require the domestic well owner to provide safe drinking water to the residents.

Position

Watch

[AB 3121](#) (Petrie-Norris D) Public utilities: incentive programs.

Last Amend: 8/28/2024

Status: 8/30/2024-In committee: Set, first hearing. Hearing canceled at the request of author.

Location: 8/29/2024-S. E. U., & C.

Summary: Current law establishes the Multifamily Affordable Housing Solar Roofs Program. Current law requires the Public Utilities Commission (PUC), as part of the program, to authorize the award of monetary incentives for qualifying solar energy systems, as defined, that are installed on multifamily residential properties of at least 5 rental housing units that are operated to provide deed-restricted low-income residential housing, as defined, and that meet one or more specified requirements, as provided. Current law requires the PUC to annually authorize the allocation of \$100,000,000 or 66.67% of available funds, whichever is less, beginning with the fiscal year commencing July 1, 2016, and ending with the fiscal year ending June 30, 2020, to the program from certain greenhouse gas allowance revenues received by electrical corporations and set aside for clean energy and energy efficiency projects, as provided. Current law requires the PUC to continue authorizing the allocation of these funds through June 30, 2026, if the PUC determines that revenues are available after 2020 and that there is adequate interest and participation in the program. Current law requires the PUC to evaluate the program every 3 years and requires the PUC to make necessary adjustments to the program to ensure that the goals of the program are being met, as specified. Current law authorizes the PUC to credit uncommitted funds back to ratepayers if the PUC, upon review, finds that there is insufficient participation in the program. This bill would require the PUC to credit no more than 1/2 of the program funds that are unencumbered as of January 1, 2025, back to the residential retail customers of electrical corporations, as specified.

Position

Watch

[ACA 2](#) (Alanis R) Water Resiliency Act of 2024.

Last Amend: 3/6/2024

Status: 3/19/2024-In committee: Set, first hearing. Hearing canceled at the request of author.

Location: 4/20/2023-A. W.,P. & W.

Summary: The California Constitution declares that 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, and that the right to the use of water does not extend to the waste or unreasonable use, method of use, or method of diversion of water. This measure would require the Treasurer to annually transfer an amount equal to 1.5% of all state revenues from the General Fund to the California Water Resiliency Trust Fund, which the measure would create. The measure would continuously appropriate moneys in the fund to the California Water Commission for its actual costs of implementing these provisions and for specified water infrastructure projects.

Position

Watch

[SB 450](#) (Atkins D) Housing development: approvals.

Last Amend: 8/22/2024

Status: 8/29/2024-Assembly amendments concurred in. (Ayes 28. Noes 9.) Ordered to engrossing and enrolling.

Location: 8/29/2024-S. ENROLLMENT

Summary: The Planning and Zoning law requires a proposed housing development containing no more than 2 residential units within a single-family residential zone to be considered ministerially, without discretionary review or hearing, if the proposed housing development meets certain requirements, including that the proposed housing development does not allow for the demolition of more than 25% of the existing exterior structural walls, except as provided. Current law authorizes a local agency to impose objective zoning standards, objective subdivision standards, and objective design standards, as defined, except as specified, on the proposed housing development. Current law authorizes a local agency to deny a proposed housing development if specified conditions are met, including that the building official makes a written finding that the proposed housing development project would have a specific, adverse impact upon public health and safety or the physical environment, as provided. This bill would remove the requirement that a proposed housing development does not allow for the demolition of more than 25% of the existing exterior structural walls to be considered ministerially. The bill would prohibit a local agency from imposing objective zoning standards, objective subdivision standards, and objective design standards that do not apply uniformly to development within the underlying zone, but would specify that these provisions do not prohibit a local agency from adopting or imposing objective zoning standards, objective subdivision standards, and objective design standards on the development if the standards are more permissive than applicable standards within

the underlying zone. The bill would remove the authorization for a local agency to deny a proposed housing development if the building official makes a written finding that the proposed housing development project would have a specific, adverse impact upon the physical environment. The bill would require the local agency to consider and approve or deny the proposed housing development application within 60 days from the date the local agency receives the completed application, and would deem the application approved after that time.

Position
Watch

[SB 597](#) (Glazer D) Building standards: rainwater catchment systems.

Last Amend: 8/22/2024

Status: 8/29/2024-Assembly amendments concurred in. (Ayes 38. Noes 1.) Ordered to engrossing and enrolling.

Location: 8/29/2024-S. ENROLLMENT

Summary: The California Building Standards Law requires a state agency that adopts or proposes adoption of a building standard to submit the building standard to the California Building Standards Commission for approval and adoption. Current law makes the commission responsible for the publication of an updated edition of the California Building Standards Code every 3 years. Current law requires the Department of Housing and Community Development to propose to the commission the adoption, amendment, or repeal of building standards for, among other things, the installation of recycled water systems for newly constructed single-family residential and multifamily residential buildings, as specified. This bill would require the department to review current building standards, conduct research, and develop recommendations regarding building standards for the installation of rainwater catchment systems for nonpotable uses 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.

Position
Watch

[SB 937](#) (Wiener D) Development projects: fees and charges.

Last Amend: 8/22/2024

Status: 9/4/2024-Enrolled and presented to the Governor at 4 p.m.

Location: 9/4/2024-S. ENROLLED

Summary: The Mitigation Fee Act regulates fees for development projects, fees for specific purposes, including water and sewer connection fees, and fees for solar energy systems, among others. The act, among other things, requires local agencies to comply with various conditions when imposing fees, extractions, or charges as a condition of approval of a proposed development or development project. The act prohibits a local agency that imposes fees or charges on a residential development for the construction of public improvements or facilities from requiring the payment of those fees or charges until the date of the final inspection or the date the certificate of occupancy is issued, whichever occurs first, except for utility service fees, which the local agency is authorized to collect at the time an application for utility service is received. The act exempts specified units in a residential development proposed by a nonprofit housing developer if the housing development meets certain conditions. This bill would limit the utility service fees exception described above to utility service fees related to connections, and cap those fees at the costs incurred by the utility provider resulting from the connection activities.

Position
Watch

Notes: ACWA position- OUA 3.13.24. Amendments, ACWA analysis suggested a watch/ neutral position 4/11/24, position changed on 4/20/24 per Melody.

[SB 1147](#) (Portantino D) Drinking water: microplastics levels.

Last Amend: 8/22/2024

Status: 8/29/2024-Assembly amendments concurred in. (Ayes 33. Noes 4.) Ordered to engrossing and enrolling.

Location: 8/29/2024-S. ENROLLMENT

Summary: Would require the Office of Environmental Health Hazard Assessment (OEHHA) to study the health effects of microplastics in drinking and bottled water to evaluate toxicity characteristics and levels of microplastics in water that are not anticipated to cause or contribute to adverse health effects, or to identify data gaps that would need to be addressed to establish those levels. The bill would require OEHHA to provide biennial status updates, and post a final report on its internet website. The bill would authorize the State Water Resources Control Board, after taking into consideration the findings of the report, to request that OEHHA prepare and publish a public health goal for microplastics in drinking water, as specified.

Position

Watch

Notes: ACWA position: oppose unless amended 3/1/24.

[SB 1156](#) ([Hurtado D](#)) **Groundwater sustainability agencies: conflicts of interest: financial interest disclosures.**

Last Amend: 6/18/2024

Status: 8/27/2024-Enrolled and presented to the Governor at 2 p.m.

Location: 8/27/2024-S. ENROLLED

Summary: The Political Reform Act of 1974 prohibits a public official from making, participating in making, or attempting to use their official position to influence a governmental decision in which they know or have reason to know that they have a financial interest, as defined. The act requires specified public officials, including elected state officers, judges and court commissioners, members of certain boards and commissions, other state and local public officials, and candidates for these positions to file statements of economic interests, annually and at other specified times, that disclose their investments, interests in real property, income, and business positions. The Fair Political Practices Commission is the filing officer for such statements filed by statewide elected officers and candidates and other specified public officials. This bill would require members of the board of directors and the executive, as defined, of a groundwater sustainability agency to file statements of economic interests, according to the filing requirements described above, with the Fair Political Practices Commission using the Commission's online system for filing statements of economic interests.

Position

Watch

Notes: ACWA position: watch/amend 3/22/24.

[SB 1210](#) ([Skinner D](#)) **New housing construction: electrical, gas, sewer, and water service: service connection information.**

Last Amend: 6/24/2024

Status: 9/3/2024-Enrolled and presented to the Governor at 3 p.m.

Location: 9/3/2024-S. ENROLLED

Summary: Current law vests the Public Utilities Commission with regulatory authority over public utilities, including electrical corporations, gas corporations, sewer system corporations, and water corporations, while local publicly owned utilities, including municipal utility districts, public utility districts, and irrigation districts, are under the direction of their governing boards. This bill would, for new housing construction, require the above-described utilities, on or before January 1, 2026, to publicly post on their internet websites (1) the schedule of estimated fees for typical service connections for each housing development type, including, but not limited to, accessory dwelling unit, mixed-use, multifamily, and single-family developments, except as specified, and (2) the estimated timeframes for completing typical service connections needed for each housing development type, as specified. The bill would exempt from its provisions a utility with fewer than 4,000 service connections that does not establish or maintain an internet website due to a hardship and would authorize the utility to establish that a hardship exists by annually adopting a resolution that includes detailed findings, as provided.

Position

Watch

Notes: ACWA position- oppose 3.13.24. Removed opposition on 4/20/24.

[SB 1360](#) ([Alvarado-Gil R](#)) **Water quality: state board certification.**

Last Amend: 3/18/2024

Status: 3/18/2024-From committee with author's amendments. Read second time and amended. Re-referred to Com. on RLS.

Location: 2/16/2024-S. RLS.

Summary: The Porter-Cologne Water Quality Control Act authorizes the State Water Resources Control Board to certify or provide a statement to a federal agency, as required pursuant to federal law, that there is reasonable assurance that an activity of any person subject to the jurisdiction of the state board will not reduce water quality below applicable standards. The federal act provides that if a state fails or refuses to act on a request for this certification within a reasonable period of time, which shall not exceed one year after receipt of the request, then the state certification requirements are waived with respect to the federal application. Current law authorizes the state board to issue the certificate or statement before completion of the required environmental review if the state board determines that waiting until completion of that environmental review to issue the certificate or statement poses a substantial risk of waiver of the state board's certification authority under the Federal Water Pollution Control Act or any other federal water quality control law, as provided. This bill would require the state board to issue the certificate or statement before completion of the required environmental review if the state board and Governor's Office of Business and Economic Development, in consultation with an applicant, jointly determine that the applicant's project will help the state meet its clean energy goals and increase electric reliability and waiting until completion of that environmental review to issue the certificate or statement poses a risk to the applicant of not being

eligible for federal tax credits or incentives, as provided.

Position

Watch

[SB 1467](#) (Rubio D) California Water District Law.

Status: 2/29/2024-Referred to Com. on RLS.

Location: 2/16/2024-S. RLS.

Summary: The California Water District Law (CWDL) provides for the establishment of water districts, and grants a district the power to acquire, plan, construct, maintain, improve, operate, and keep in repair the necessary works for the production, storage, transmission, and distribution of water for irrigation, domestic, industrial, and municipal purposes. This bill would make a nonsubstantive change to the latter authorization.

Position

Watch

Total Measures: 19

Total Tracking Forms: 19

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 9/10/24)

Date(s)	Event	Time	Location	Attending Board Member(s)	Additional Information (Speakers' Topic, Cohosts, etc.)
<u>AUGUST 2024</u>					
15-Aug	CSDA Quarterly Dinner	6:00-9:00 PM	The Butcher Shop	Meyers	
20-Aug	Public Outreach & Conservation Committee Meeting	2:00 PM	Boardroom	Guerin, San Antonio	
20-Aug	Conference Call with the General Manager RE: SDCWA Committees, rates, board meeting			Meyers	
21-Aug	Manager / Supervisor BBQ Appreciation Event				
22-Aug	Urban Water Institute Conference		Paradise Point Resort - 1404 Vacation Rd, San Diego, CA 92109	San Antonio	
26-Aug	EFRR Executive Committee Meeting	9:30 AM	Boardroom	San Antonio, Watt	
<u>SEPTEMBER 2024</u>					
6-Sep	Conference Call with the General Manager RE: Calle Barcelona			Meyers	
9-Sep	Conference Call with the General Manager			Watt	
Sep 9-10	CSDA Annual Conference		Indian Wells, CA	San Antonio	
17-Sep	Board Meeting Pre-Briefing		OMWD	Guerin	

Memo

To: Olivenhain Municipal Water District Board of Directors

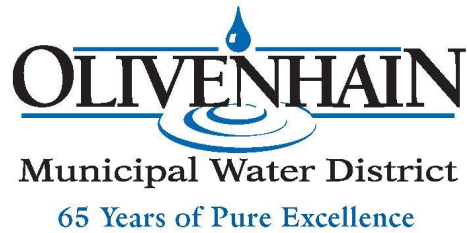
Subject: INFORMATIONAL REPORTS

CORRESPONDENCE

Any correspondence is attached.

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.

August 23, 2024

Assemblymember Tasha Boerner
1021 O Street, Suite 4150
Sacramento, CA 95814

RE: SB 366 (Caballero)- The California Water Plan: long-term supply target- SUPPORT

Dear Assemblymember Boerner:

On behalf of Olivenhain Municipal Water District, I am writing in support of measure SB 366 (Caballero). OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

This bill would establish long-term water supply targets for the state to achieve and would update the requirement that state agencies develop a plan to achieve those targets. The measure would also ensure that these targets are developed in consultation with local water agencies, wastewater service providers, and other stakeholders.

While this year has been marked by flooding and historic snowpack levels, these types of wet years are not reliable, and we need to adapt to hotter, drier conditions. Action is essential to ensure we are not managing scarcity but rather working toward a future where there is enough water for all. California needs to align the state's water supply strategy and policies with a target that will result in an adequate and reliable water supply for the environment, agriculture, the economy, and all Californians. SB 366 will bring the fundamental changes that are necessary to achieve these goals.

SB 366 will ensure the following:

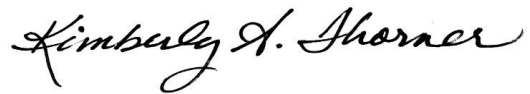
- Transform water management in California taking us from a perpetual state of supply vulnerability to a reliable and sufficient water supply that is adequate for all Californians.
- Create a new "North Star" water supply planning target for 2040 that the state will need to work toward along with a process to develop a target for 2050. This will complement and amplify Governor Newsom's Water Supply Strategy and extend beyond any single administration.
- Preserve the California way of life, supplying water to our homes and communities, habitat and environment, recreation and tourism, business, and economic success.
- Support economic vitality for all businesses, from restaurants to technology companies, and employers that depend on a reliable water supply.



- Fulfill the generational responsibility to develop a water system that will adapt to changes in the environment and allow the state to thrive now and for future generations.

For the reasons stated above, OMWD urges you to vote to advance SB 366 and take this important step toward securing the state's water supply future. If you or your staff should need any additional details, please do not hesitate to contact me at 760-753-6466 or kthorner@olivenhain.com.

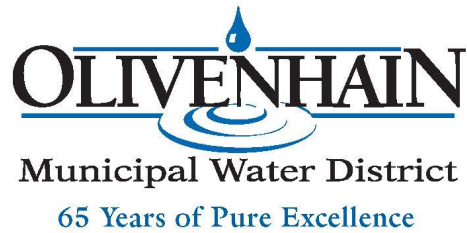
Regards,

A handwritten signature in cursive script that reads "Kimberly A. Thorner".

Kimberly A. Thorner
General Manager

Board of Directors

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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.

August 23, 2024

Assemblymember Brian Maienschein
1021 O Street, Suite 5640
Sacramento, CA 95814

RE: SB 366 (Caballero)- The California Water Plan: long-term supply target- SUPPORT

Dear Assemblymember Maienschein:

On behalf of Olivenhain Municipal Water District, I am writing in support of measure SB 366 (Caballero). OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

This bill would establish long-term water supply targets for the state to achieve and would update the requirement that state agencies develop a plan to achieve those targets. The measure would also ensure that these targets are developed in consultation with local water agencies, wastewater service providers, and other stakeholders.

While this year has been marked by flooding and historic snowpack levels, these types of wet years are not reliable, and we need to adapt to hotter, drier conditions. Action is essential to ensure we are not managing scarcity but rather working toward a future where there is enough water for all. California needs to align the state's water supply strategy and policies with a target that will result in an adequate and reliable water supply for the environment, agriculture, the economy, and all Californians. SB 366 will bring the fundamental changes that are necessary to achieve these goals.

SB 366 will ensure the following:

- Transform water management in California taking us from a perpetual state of supply vulnerability to a reliable and sufficient water supply that is adequate for all Californians.
- Create a new "North Star" water supply planning target for 2040 that the state will need to work toward along with a process to develop a target for 2050. This will complement and amplify Governor Newsom's Water Supply Strategy and extend beyond any single administration.
- Preserve the California way of life, supplying water to our homes and communities, habitat and environment, recreation and tourism, business, and economic success.
- Support economic vitality for all businesses, from restaurants to technology companies, and employers that depend on a reliable water supply.



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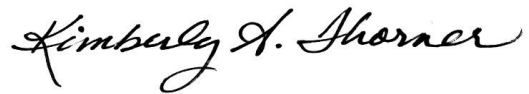
A Public Agency Providing Water Wastewater Services Recycled Water Hydroelectricity Elfin Forest Recreational Reserve



- Fulfill the generational responsibility to develop a water system that will adapt to changes in the environment and allow the state to thrive now and for future generations.

For the reasons stated above, OMWD urges you to vote to advance SB 366 and take this important step toward securing the state's water supply future. If you or your staff should need any additional details, please do not hesitate to contact me at 760-753-6466 or kthorner@olivenhain.com.

Regards,

A handwritten signature in cursive script that reads "Kimberly A. Thorner".

Kimberly A. Thorner
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Marco San Antonio, Director



General Manager
Kimberly A. Thorner, Esq.
General Counsel
Alfred Smith, Esq.

August 26, 2024

Governor Gavin Newsom
Governor, State of California
1303 10th Street, Suite 1173
Sacramento, CA 95814

RE: AB 1827 (Papan)- Local government: fees and charges: water: higher-consumptive water parcels- SUPPORT

Dear Governor Newsom:

On behalf of Olivenhain Municipal Water District, I am writing in support of measure AB 1827 (Papan). OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

This bill will clarify that existing law allows a water supplier to impose fees or charges for property-related water services that include the incrementally higher costs of water service due to higher water usage demand, maximum potential water use, and projected peak water usage parcels.

Proposition 218 established the rules related to fees and charges assessed for property-related services. Proposition 218 requires that the water rates—a property-related fee or charge—charged to a customer not exceed the proportional cost to serve that customer as per Art. XIII D, Sec. 6(2)(b)(3).

When setting water rates, water agencies must account for all expenses associated with water services including the costs for water supplies, water efficiency, the distribution system's maintenance, and replacement. To meet demands driven by high water users, a water agency often has higher costs associated with building, operating, and maintaining a larger water system that can meet those larger water demands. Water agencies also have further costs for the additional water supplies needed to serve those uses.

Therefore, water customers that use more water than other similarly situated customers increase a water agency's overall cost of providing water service. Consequently, Proposition 218 allows water agencies to charge higher rates to customers with higher water usage demands to recoup legitimate costs attributable to those higher water users.



Recently, however, lawsuits have been filed against several water suppliers across California calling into question their ability to lawfully and appropriately charge their customers that use more water for the additional cost of that higher use.

Trial courts have sought to impose new and increasingly granular requirements, beyond those required by Proposition 218, on water agencies who seek to justify charging higher water users for the costs associated with their higher water use. For example, some courts have found that water suppliers must justify their rate structure using minute-by-minute water use data, which is challenging, costly, and in many cases unavailable. Agencies should be afforded flexibility in the ratemaking process to reasonably apportion costs among customers. If tiered rates are required to be determined through precise data, many agencies would need to restructure to uniform rates and spread the cost associated with serving these higher-water-use customers across their entire customer base. This would force low-water use customers to pay more for water, undermines Proposition 218, and exacerbates water affordability problems across the state.

Further, existing law also supports AB 1827. Water agencies are mandated by SB 814 (2016) to identify and restrict excessive water use during drought conditions. This law lists the use of higher charges on higher water use to achieve this requirement, in line with AB 1827.

AB 1827 will affirm that existing law allows water suppliers to use reasonable and well-accepted methods of assessing the incremental costs associated with higher water usage demands to high water users; thereby, confirming what Proposition 218 requires for water rates and charges.

For the reasons stated above, OMWD supports AB 1827. If you or your staff should need any additional details, please do not hesitate to contact me at 760-753-6466 or kthorner@olivenhain.com.

Regards,



Kimberly A. Thorner
General Manager

cc: Author, Assemblymember Diane Papan
Brady Borcharding, Deputy Legislative Secretary, Governor's Office
Assemblymember Brian Maienschein
Assemblymember Tasha Boerner
Ashley Walker, Nossaman, LLP (awalker@nossaman.com)

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Marco San Antonio, Director



General Manager
Kimberly A. Thorner, Esq.
General Counsel
Alfred Smith, Esq.

August 29, 2024

Governor Gavin Newsom
Governor, State of California
1303 10th Street, Suite 1173
Sacramento, CA 95814

RE: SB 366 (Caballero)- The California Water Plan: long-term supply target- SUPPORT

Dear Governor Newsom:

On behalf of Olivenhain Municipal Water District, I am writing in support of measure SB 366 (Caballero). OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

This bill would establish long-term water supply targets for the state to achieve and would update the requirement that state agencies develop a plan to achieve those targets. The measure would also ensure that these targets are developed in consultation with local water agencies, wastewater service providers, and other stakeholders.

While this year has been marked by flooding and historic snowpack levels, these types of wet years are not reliable, and we need to adapt to hotter, drier conditions. Action is essential to ensure we are not managing scarcity but rather working toward a future where there is enough water for all. California needs to align the state's water supply strategy and policies with a target that will result in an adequate and reliable water supply for the environment, agriculture, the economy, and all Californians. SB 366 will bring the fundamental changes that are necessary to achieve these goals.

SB 366 will ensure the following:

- Transform water management in California taking us from a perpetual state of supply vulnerability to a reliable and sufficient water supply that is adequate for all Californians.
- Create a new "North Star" water supply planning target for 2040 that the state will need to work toward along with a process to develop a target for 2050. This will complement and amplify Governor Newsom's Water Supply Strategy and extend beyond any single administration.
- Preserve the California way of life, supplying water to our homes and communities, habitat and environment, recreation and tourism, business, and economic success.



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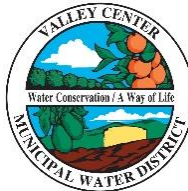
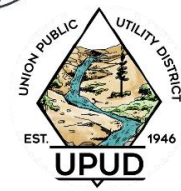
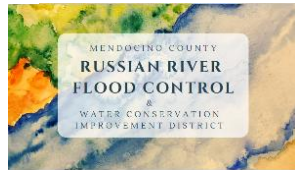
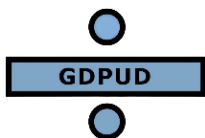
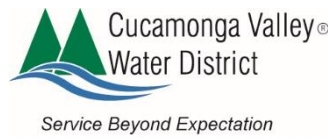
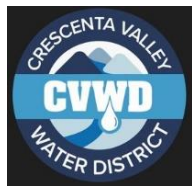
- Support economic vitality for all businesses, from restaurants to technology companies, and employers that depend on a reliable water supply.
- Fulfill the generational responsibility to develop a water system that will adapt to changes in the environment and allow the state to thrive now and for future generations.

For the reasons stated above, OMWD supports SB 366 and respectfully requests your signature on the bill. If you or your staff should need any additional details, please do not hesitate to contact me at 760-753-6466 or kthorner@olivenhain.com.

Regards,



Kimberly A. Thorner
General Manager



August 30, 2024

The Honorable Gavin Newsom
Governor, State of California
1021 O Street, Suite 9000
Sacramento, CA 95814

RE: AB 2257 (Wilson) – REQUEST FOR SIGNATURE

Dear Governor Newsom:

We, the undersigned coalition of public agencies, associations, environmental and labor groups, support AB 2257 and respectfully request your signature. This bill would authorize public agencies to adopt procedures for the submittal and consideration of public comments regarding proposed water and sewer rates and assessments. The optional process proposed in this bill would facilitate dialogue and transparency between public agencies and their ratepayers and give agencies an opportunity to resolve concerns during the ratemaking process.

Public water and sewer agencies provide essential government services for the benefit of communities, agriculture, industries, and the environment. These agencies are responsible for ensuring a consistent and reliable water supply, safeguarding the quality of drinking water, planning, constructing, and maintaining critical infrastructure, and much more. With climate change presenting unprecedented challenges, these agencies also must adapt and enhance aging infrastructure to mitigate the impacts of increasingly frequent and severe climate-related events. Public agencies throughout California are making generational investments to build 21st Century infrastructure for a 21st Century climate.

The revenue necessary for public agencies to fulfill their essential government functions and adapt to a changing climate predominantly comes from service rates and assessments. While these agencies require financial stability to meet ever increasing demands, a rise in Proposition 218 litigation is making it increasingly difficult to ensure agencies can pass fair and reasonable rates to cover the costs of operations and investments.

Oftentimes, these suits are filed without first having raised concerns with the public agency during the public notice-and-comment process leading up to the decision to adopt rates or assessment. When litigants avoid raising concerns with proposed rates or assessments during the ratemaking process, the public agencies cannot endeavor to resolve the dispute and avoid litigation. The financial consequences of these lawsuits can be severe, as it is not uncommon for litigants to seek tens of millions of dollars in damages. Surprise lawsuits have the potential to undermine an agency's ability to maintain stable budgets necessary to operate effectively.

AB 2257 would build upon Proposition 218's existing procedural requirements by creating an exhaustion of administrative remedies procedure, that, if a public agency elected to follow, would require the timely submittal of written objections during an agency's ratemaking process. Ratepayers would be required to state the particular Proposition 218 compliance concern, and public agencies would be required to provide to their board and the public with written responses to each comment received prior to acting on the proposed rate or assessment. Ratepayers would be required to participate in this process in order to challenge the agency's adopted rates or assessments in court.

With a greater understanding of potential concerns and the agency's responses, the agency's board would have the opportunity to abandon its ratemaking/assessment proposal, change it (reduce it), or to better explain why it complies with Proposition 218's substantive limitations, before having to defend it in litigation. Additionally, if a public agency complies with the exhaustion procedures, the bill would specify documents that would be included in the administrative record, subject to certain exceptions, in the event of litigation.

AB 2257 would bolster the financial stability of public water and sewer agencies by creating a clear and robust public process that facilitates dialogue, transparency, and the opportunity to resolve issues and avoid costly litigation. Codifying a procedure that requires issue exhaustion in Proposition 218 litigation would protect both legislative and adjudicative functions by allowing a legislative body to hear the evidence, apply its reasoned discretion and expertise, and create an administrative record to facilitate judicial review. This would also foster better-informed administrative decisions, which benefit the objector, the public agency, and members of the public within the public agency's jurisdiction. This is especially valuable in ratemaking cases in which evidence and policies are highly technical. It would also help agencies develop more defensible rates and build rapport and trust with their ratepayers.

ACWA and the undersigned organizations support this bill and respectfully request your signature on AB 2257. If you have any questions, please contact ACWA's State Relations Director Adam Quiñonez at adamq@acwa.com or (916) 441-4545.

Sincerely,

Adam Quiñonez
State Relations Director
Association of California Water Agencies

Chad Wegley
General Manager
Alta Irrigation District

Larry B. McKenney
General Manager
Amador Water Agency

David J. Coxey
General Manager
Bella Vista Water District

Tina Tyler-O'Shea
Board President
Brooktrails Township Community Services
District

Michael Quigley
Executive Director
California Alliance For Jobs

Jessica Gauger
Director of Legislative Advocacy & Public Affairs
California Association of Sanitation Agencies

Danielle Blacet-Hyden
Deputy Executive Director
California Municipal Utilities Association

Karen Cowan
Executive Director
California Stormwater Quality Association

Kristine McCaffrey
General Manager
Calleguas Municipal Water District

Norman Huff
General Manager
Camrosa Water District

Bruce Houdesheldt
Mayor
City of Roseville

Katie Valenzuela
Councilmember, District 4
Chair, Law and Legislation Committee
City of Sacramento

Natalie Rogers
Mayor
City of Santa Rosa

Mary Rogren
General Manager
Coastside County Water District

Ernesto A. Avila
Board President
Contra Costa Water District

James Lee
General Manager
Crescenta Valley Water District

Jennifer A. Spindler
General Manager
Crestline-Lake Arrowhead Water Agency

John Bosler
General Manager/CEO
Cucamonga Valley Water District

Steve Johnson
General Manager
Desert Water Agency

Daniel Muelrath
General Manager
Diablo Water District

Jan Lee
General Manager
Dublin San Ramon Services District

Joe Mouawad, P.E.
General Manager
Eastern Municipal Water District

Dennis Cafferty
General Manager
El Toro Water District

Mike Myatt
Senior Director, Climate Resilient Water
Systems
Environmental Defense Fund

Jack Bebee
General Manager
Fallbrook Public Utility District

Bruce Kamilos, P.E.
General Manager
Florin Resource Conservation District/Elk Grove
Water District

Nicholas Schneider
General Manager
Georgetown Divide Public Utility District

Brian M. Olney
General Manager
Helix Water District

Hannah Davidson
Water Resources Specialist II
Hidden Valley Lake Community Services District

Jennifer Cusack
Director of Public and Governmental Affairs
Hi-Desert Water District

John Friedenbach
General Manager
Humboldt Bay Municipal Water District

Paul A. Cook
General Manager
Irvine Ranch Water District

Jeremy Wolf
Legislative Program Manager
Las Virgenes Municipal Water District

Ben Horenstein
General Manager
Marin Municipal Water District

Pat Kaspari
General Manager
McKinleyville Community Services District

Matt Hurley
General Manager
McMullin Area Groundwater Sustainability
Agency

Elizabeth Salomone
General Manager
Mendocino County Russian River Flood Control
& Water Conservation Improvement District

Kathryn Wuelfing
General Manager
Mid-Peninsula Water District

Marion Champion
Assistant General Manager
Mission Springs Water District

Justin Scott-Coe
General Manager
Monte Vista Water District

Nick Turner
General Manager
Montecito Water District

Jennifer Hanson
General Manager
Nevada Irrigation District

Kimberly A. Thorner
General Manager
Olivenhain Municipal Water District

Edward A. Castaneda
General Manager
Orchard Dale Water District

Jose Martinez
General Manger
Otay Water District

Kyle Swanson
CEO/General Manager
Padre Dam Municipal Water District

Brian Lockwood
General Manager
Pajaro Valley Water Management Agency

Anthony L. Firenzi
Director of Strategic Affairs
Placer County Water Agency

Jake Wiley
General Manager
Rainbow Municipal Water District

Jason Martin
Interim General Manager
Rancho California Water District

Trent Taylor
Water Resources Manager
Rosedale-Rio Bravo Water Storage District

Betsy Miller
General Manager
San Bernardino Valley Water Conservation
District

Paul Helliker
General Manager
San Juan Water District

Matt Stone
General Manager
Santa Clarita Valley Water Agency

Albert C. Lau
General Manager
Santa Fe Irrigation District

Peter M. Rietkerk
General Manager
South San Joaquin Irrigation District

Justin Hopkins
General Manager
Stockton East Water District

Carlos Quintero
General Manager
Sweetwater Authority

Sean Barclay
General Manager
Tahoe City Public Utility District

Matthew Litchfield
General Manager
Three Valleys Municipal Water District

Deanna Jackson
Executive Director
Tri-County Water Authority

Don Perkins
General Manager
Tuolumne Utilities District

Jessica Self
General Manager
Union Public Utility District

Joel Metzger
General Manager
Utica Water and Power Authority

Mark Tomko
General Manager
Vallejo Flood and Wastewater District

Gary Arant
General Manager
Valley Center Municipal Water District

Brett Hodgkiss
General Manager
Vista Irrigation District

Erik Hitchman
General Manager
Walnut Valley Water District

Craig D. Miller, P.E.
General Manager
Western Municipal Water District

cc: The Honorable Lori Wilson
Brady Borcharding, Deputy Legislative Secretary, Office of Governor Gavin Newsom

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

Date: September 18, 2024
To: Olivenhain Municipal Water District Board of Directors
From: Lindsey Stephenson, Engineering Manager
Via: Kimberly A. Thorner, General Manager
Subject: **AUTHORIZE THE GENERAL MANAGER TO ENTER INTO AMENDMENT NO. 2 TO THE PURCHASE AND SALE AGREEMENT AND ESCROW INSTRUCTIONS FOR THE SALE OF ADDITIONAL SURPLUS LAND (APNs 257-401-11, 257-401-12)**

Purpose

The purpose of this agenda item is to consider authorizing the General Manager to enter into Amendment No. 2 to the Purchase and Sale Agreement and Escrow Instructions.

Recommendation

Staff recommends authorizing the General Manager to enter into Amendment No. 2 to the Purchase and Sale Agreement and Escrow Instructions.

Alternative(s)

The Board could elect to:

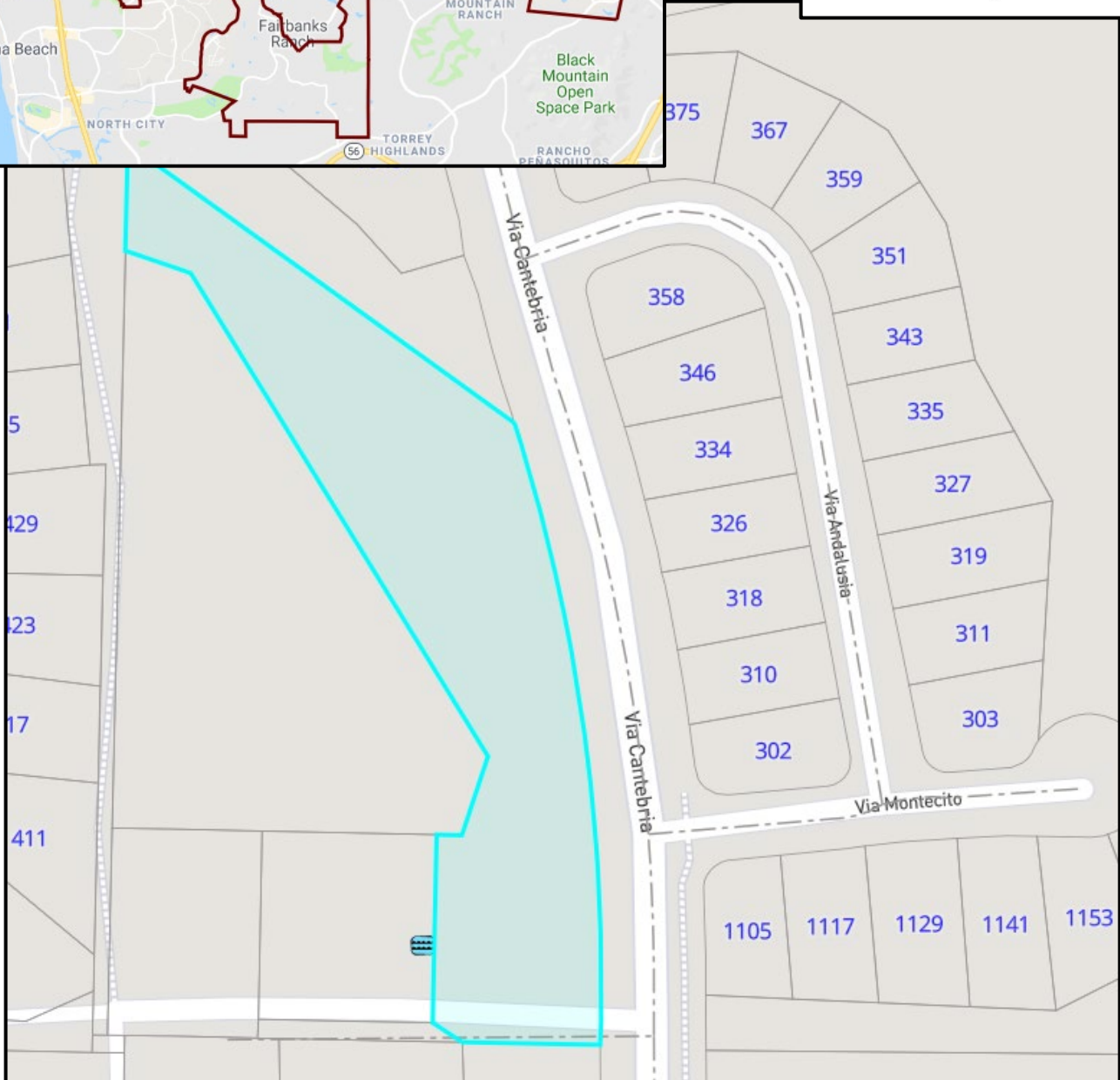
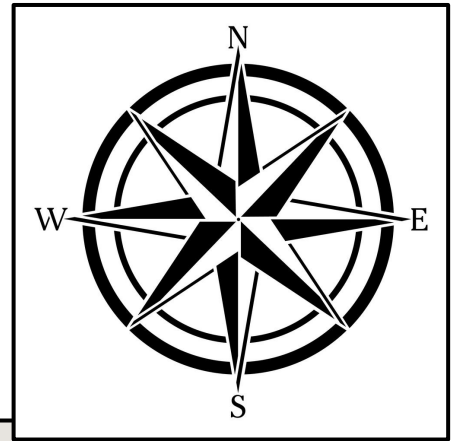
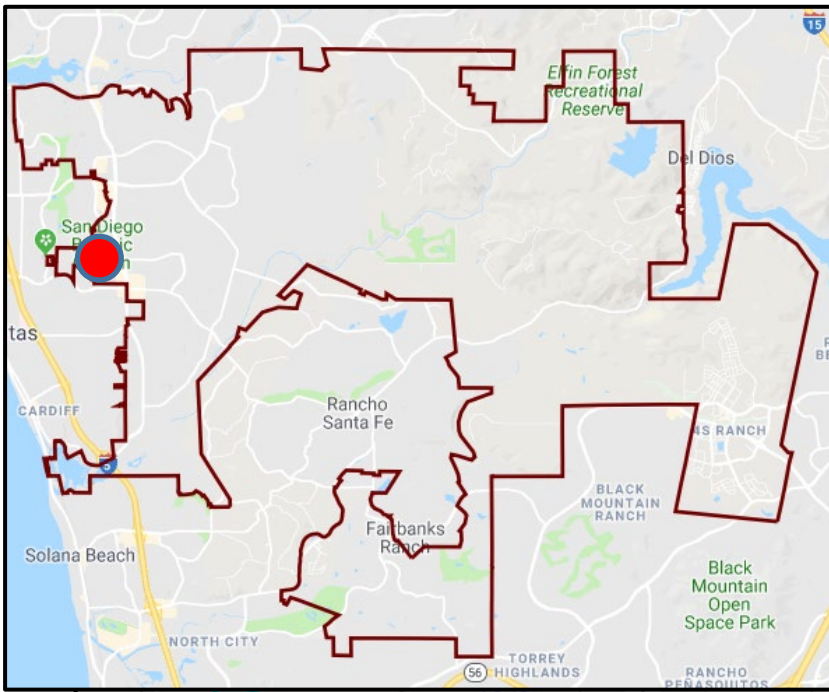
- Direct staff to not sign the amendment and explore other alternatives; or
- Proceed in a manner as otherwise directed by the Board.

Discussion

The amendment is available for public review upon request by emailing the Board Secretary at skaufmann@olivehain.com.

Staff is available to answer any questions.

Attachments:
Location Map



LOCATION MAP

**AMENDMENT NO. 2 TO THE PURCHASE AND SALE AGREEMENT
AND ESCROW INSTRUCTIONS FOR THE SALE OF ADDITIONAL
SURPLUS LAND**

Memo

Date: September 18, 2024
To: Olivenhain Municipal Water District Board of Directors
From: Rainy Selamat, Finance Manager
Via: Kimberly A. Thorner, General Manager
Subject: **CONSIDER AND ADOPT A RESOLUTION OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT BOARD OF DIRECTORS APPROVING AMENDMENTS TO AND DELEGATING DUTIES AND RESPONSIBILITIES OVER DISTRICT-SPONSORED RETIREMENT PLANS**

Purpose

The purpose of this agenda item is to consider adoption of a resolution to delegate duties and responsibilities for administering and operating the District-sponsored retirement plans, which include the 457(b) deferred compensation plans and the 401(a) retirement plan, to the General Manager. If the attached resolution is adopted by the Board, the General Manager will be authorized, effective November 1, 2024, to adopt amendments and other administrative changes to District-Sponsored retirement plans. The General Manager has been the OMWD delegate on Lincoln 457(b) and 401 (a) plans since their inception.

Recommendation

Staff is recommending the Board consider and adopt the resolution so that certain amendments to the District's 401(a) plan could be implemented as soon as practicable.

Alternative

The Board may decide not to adopt the resolution as recommended and instruct staff to do otherwise.

Background

The District has three active defined contribution retirement plans to help eligible employees save for retirement, two 457(b) eligible deferred compensation plans and the 401(a) Retirement Plan.

The 401(a) Plan allows the District to make contributions to the Plan for the benefits of eligible employees in the Plan without having to include this contribution as income. Therefore, any contributions made to the 401(a) Plan are not subject to taxes. Eligible participants of the 401(a) Plan, according to Section 5.43 of the District's Administrative and Ethics Code, are the General Manager, Managers, and Supervisors. The District has a contract with Lincoln Financial Group to provide and support the ongoing administration of the District's 401(a) Plan.

The two 457(b) Deferred Compensation Plans are eligible deferred compensation plans. The primary purpose of the 457(b) Plans is to allow participants to defer taxation on retirement savings into future years, in accordance with the provision of Section 457(b) of Internal Revenue Code. All District employees are eligible to participate in the 457(b) Deferred Compensation Plans according to Section 5.43 of the District's Administrative and Ethics Code. Lincoln Financial Group and Voya/CalPERS are the ongoing administrators of District 457(b) Plan.

Per section 5.43 of the District's Administrative and Ethics Code and the current 401(a) Plan document, annual longevity matching and Manager/Supervisor matching contributions made by the District are the only 401(a) Plan contributions currently allowed.

With this item, Staff is requesting that the Board consider adopting the Resolution (attached) to amend and restate the District's 401(a) plan for the benefit of eligible employees and for savings to the District. More information on the proposed amendments are outlined in the discussion section below.

Fiscal Impact

Staff's proposal to amend the District's 401(a) Plan and make goal incentive pay, unused vacation leave accruals over 256 hours at separation, and any refunds of CalPERS contributions be mandatory contributions to the eligible participants under the 401 (a) Plan would save the District approximately \$2,500 annually, starting with FY 2025. This is an estimate based on general interpretation and understanding of tax rules applicable to government defined contribution plan included in Internal Revenue Code.

Discussion

The District retained Mr. Marcus Wu with Pillsbury Winthrop Shaw Pittman LLP to provide tax and compliance advice on the proposed amendments to the District 401(a) plan in connection with employee benefits included in the resolution.

If the resolution is adopted by the Board, effective November 1, 2024, the General Manager will be authorized to adopt the following amendments to the District's 401(a) Plan: (1) annual goal incentive pay; (2) unused vacation leave exceeding 256 hours upon separation of employment from the District; (3) any refunds of CalPERS contributions approved by the Board; (4) Annual longevity matching and Manager/Supervisor matching contributions defined in section 5.43 of the District's Administrative and Ethic Code; and (5) other administrative and operational changes deemed appropriate under section 4 of the resolution (attached).

At the end of each calendar year, the Plan Administrator (General Manager or designee) will report on the operational experience of the 401 (a) Plan and the 457 (b) Plan to the Board or Board sub-committee and make recommendation if changes are needed.

Attachment: Resolution

RESOLUTION NO. 2024-XX

A RESOLUTION OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT BOARD OF DIRECTORS APPROVING AMENDMENTS TO AND DELEGATING DUTIES AND RESPONSIBILITIES OVER DISTRICT- SPONSORED RETIREMENT PLANS

WHEREAS, the Olivenhain Municipal Water District (District) sponsors three active defined contribution retirement plans for the benefit of eligible employees, two 457(b) eligible deferred compensation plans (“457(b) Plans”) and the Olivenhain Municipal Water District Retirement Plan (“401(a) Plan”) (each a “Plan” and, collectively, the “Plans”); and

WHEREAS, the District has determined that, effective November 1, 2024, the following types of District wages earned by any employee in the District’s managerial or supervisory groups, including but not limited to the General Manager (“Covered Employees”), will, in lieu of being paid to said employees in cash or any other form, be mandatorily contributed to their respective accounts under the 401(a) Plan (collectively “Mandatory 401(a) Contributions”):

- annual goal incentive pay; and
- upon termination of the employee’s District employment, any accrued but unused vacation leave exceeding 256 hours; and
- any refunds of CalPERS contributions that were deducted from the employee’s District wages in a calendar year preceding the calendar year of the refund payment; and

WHEREAS, under current District policies, subject to certain conditions, Covered Employees who electively contribute their District wages to one or both 457(b) Plans are entitled to receive District matching contributions in specified amounts, which are deposited first in the employee’s 457(b) account(s) up to the applicable IRS contribution limit, with any remainder deposited in the employee’s 401(a) Plan account; and

WHEREAS, the District has determined that, effective November 1, 2024, 100% of Covered Employees’ Matching Contributions will be deposited in their 401(a) Plan accounts; and

WHEREAS, each Plan provides that the District’s Board of Directors has sole authority to amend the Plan; and

WHEREAS, the Board of Directors wishes to amend the 401(a) Plan and 457(b) Plans to reflect the foregoing; and

WHEREAS, each Plan further provides that a “Plan Administrator” is responsible for administering and operating the Plans and is fully empowered to perform these functions; and

WHEREAS, the Board of Directors wishes to appoint the District’s General Manager as Plan Administrator of the Plans; and

WHEREAS, the Board of Directors wishes to delegate authority to the Plan Administrator to adopt certain amendments to the Plans, including but not limited to amendments providing for the Mandatory 401(a) Contributions and changes to Matching Contributions; and

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT DOES HEREBY FIND, DETERMINE, RESOLVE AND ORDER AS FOLLOWS:

Section 1: The above recitals are true and correct.

Section 2: On or as soon as administratively practicable after November 1, 2024, Mandatory 401(a) Contributions will be made from Covered Employees' District wages as specified above.

Section 3: All Matching Contributions made on or after November 1, 2024, for Covered Employees will be deposited to their 401(a) Plan accounts.

Section 4: The General Manager, or designee, is hereby appointed as Plan Administrator for the 401(a) Plan and the 457(b) Plan.

Section 5: The General Manager, or designee, is hereby authorized to adopt amendments to the 401(a) Plan and the 457(b) Plan, but only if the amendment is administrative in nature and meets one or more of the following criteria:

- a. Does not increase the District or Plan's costs.
- b. Necessary for compliance with applicable laws.
- c. Maintains the 401(a) Plan's "qualified" status or the 457(b) Plan's "eligible" status.
- d. Aligns the Plan's terms with its operation.
- e. Clarifies any ambiguities in the Plan.
- f. Implement changes in benefits as specified in MOUs or resolutions approved by the Board of Directors.

Section 6: Pursuant to the above authorization, the General Manager is hereby directed to adopt, effective November 1, 2024, appropriate amendments to the 401(a) Plan and 457(b) Plans providing for the Mandatory 401(a) Contributions, changes to Matching Contributions, and any other changes that the General Manager deems appropriate and that are within the General Manager's authority under Section 5.

Section 7: At least once per calendar year, the Plan Administrator must report to the Board of Directors (or a subcommittee) on the operational experience of the 401(a) Plan and the 457(b) Plan, such as performance metrics, compliance with applicable laws, and participant feedback.

Section 8: The General Manager is hereby authorized and empowered to take all other appropriate steps to carry out the purpose and intent of these resolutions.

PASSED, ADOPTED AND APPROVED at a regular meeting of the Board of Directors on the 18th day of September 2024.

Christy Guerin, President
Board Directors
Olivenhain Municipal Water District

ATTEST:

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

Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: ADJOURNMENT

We are adjourned.

Authority hosts Women in Water

 thestarnews.com/authority-hosts-women-in-water/

08/25/2024

- [Chula Vista](#)
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- [Local News](#)
- [National City](#)

By

[Albert Fulcher](#)



Sweetwater Authority's San Diego Women in Water brought more than 150 water professionals to share ideas and connect with industry professionals. (Courtesy)

Sweetwater Authority held its San Diego Women in Water meeting at its Robert A. Perdue Water Treatment Plant on Aug. 14. Co-sponsored by the Authority, Otay Water District, Santa Fe Irrigation District, and Olivenhain Municipal Water District, the event brought more than 150 water professionals and elected officials together to share ideas and connect with industry professionals.

Guest speaker Dr. Maria-Elana Giner, P.E., shared her career journey that led her to be appointed by President Joe Biden as Commissioner of the United States International Boundary Commission in 2021. Giner is the second woman, and first Latina, to hold this position. Attendees were also provided with an in-depth tour of the Authority's treatment facility, given and insider-look at the agency's operations.

"The Board was honored to host yesterday's Women in Water event, which supports women's leadership and professional development in this essential industry," said Board Chair Paulina Martinez-Perez in a press release. "By bringing together a diverse group of water professionals, we deepen our industry relationships and foster innovation and collaboration in addressing water issues throughout the region."

San Diego Women in Water is organized by the California-Nevada American Water Works Association Women's Leadership Committee, which was formed with the goal to develop a supportive platform for water professionals.

