

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

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

DATE: WEDNESDAY, JULY 19, 2023

**TIME: 4:00 P.M.**

PLACE: DISTRICT OFFICE

*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
  - \* Illuminato Mogavero – Utility I – New Hire
  - \* Lori Ayres – Customer Service Representative I – New Hire
8. CONSIDER APPROVAL OF THE MINUTES OF THE JUNE 21, 2023, REGULAR BOARD OF DIRECTORS MEETING
9. CONSENT CALENDAR

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

C-a	CONSIDER ADOPTION OF A MOTION APPROVING THE PAYMENT OF LISTED WARRANTS FROM THE DISTRICT’S REVOLVING AND REGULAR ACCOUNTS; LISTED TRANSFERS OF FUNDS; REIMBURSEMENT OF EXPENSES TO BOARD MEMBERS AND STAFF; AND MONTHLY INVESTMENT REPORT
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C-b	CONSIDER ADOPTION OF A MOTION APPROVING THE DISTRICT’S CONSOLIDATED STATEMENT OF NET POSITION, CONSOLIDATED STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION, CONSOLIDATED STATEMENT OF CASH FLOWS, CONSOLIDATED ACTUAL VS BUDGET SUMMARY, AND CONSTRUCTION IN PROGRESS REPORT
C-c	CONSIDER APPROVAL OF PRIVATE ENCROACHMENT PERMIT NO. 423 FOR SAN DIEGUITO UNION HIGH SCHOOL DISTRICT TO INSTALL CONDUIT FOR PHOTOVOLTAIC SOLAR SYSTEM THROUGH OMWD EASEMENT 668 LOCATED AT 2150 VILLAGE PARK WAY AND ORDER THE PERMIT BE RECORDED
C-d	CONSIDER APPROVAL OF PRIVATE ENCROACHMENT PERMIT NO. 424 FOR NICOLAS BIANCAMANO TO CONSTRUCT A FENCE LINE WITH GATED ACCESS THROUGH OMWD EASEMENTS 531 AND 769 LOCATED AT 16510 FRANZEN FARMS ROAD AND ORDER THE PERMIT BE RECORDED
C-e	CONSIDER PARTICIPATION ON ASSOCIATION OF CALIFORNIA WATER AGENCIES COMMITTEES FOR THE 2024-2025 TERM

10. CONSIDER DETERMINATION OF APPARENT LOW BIDDER AS NONRESPONSIVE, AWARD A CONTRACT WITH EXARO TECHNOLOGIES CORPORATION IN THE AMOUNT OF \$348,480 FOR THE LUSARDI PHASE III CATHODIC PROTECTION REPLACEMENT PROJECT, APPROPRIATE AN ADDITIONAL \$80,000 TO THE PROJECT BUDGET, AND AUTHORIZE THE GENERAL MANAGER TO SIGN ON BEHALF OF OMWD
11. CONSIDER INFORMATIONAL REPORT ON WATER SUPPLY CONDITIONS AND LONG-TERM WATER USE EFFICIENCY LEGISLATION
12. CONSIDER 2023 ANNUAL OBJECTIVES AND TIGER TEAM STATUS REPORT
13. 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
14. CLOSED SESSION
  - A) CONSIDER LITIGATION – HILLSIDE PATIO HOMES HOA [PURSUANT TO GOVERNMENT CODE SECTION 54956.9] • Additional Facts: Claim received on August 17, 2020. Claim rejected on September 9, 2020.
15. OPEN SESSION

16. PUBLIC HEARING TO CONSIDER THE OLIVENHAIN MUNICIPAL WATER DISTRICT'S WATER CAPACITY FEES FOR 2023 (July 19 – 5:30 P.M.)
17. CORRESPONDENCE
18. AUTHORIZATION TO ATTEND UPCOMING MEETINGS / CONFERENCES / SEMINARS
19. FUTURE AGENDA ITEMS
20. CONSIDER PUBLIC COMMENTS
21. ADJOURNMENT



# Memo

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

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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: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Rainy Selamat, Finance Manager  
Via: Kimberly Thorner, General Manager  
Subject: **CONSIDER ADOPTION OF A MOTION APPROVING THE PAYMENT OF LISTED WARRANTS FROM THE DISTRICT'S REVOLVING AND REGULAR ACCOUNTS; LISTED TRANSFERS OF FUNDS; REIMBURSEMENT OF EXPENSES TO BOARD MEMBERS AND STAFF; AND MONTHLY INVESTMENT REPORTS**

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

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

Olivenhain Municipal Water District  
Proposed Motions for July 19, 2023 Board of Directors Meeting  
June 2023 Activities  
Consent Calendar Item # C-a

Proposed Motions:

I. That the following warrants and transfers be approved:

Regular Account	Warrants - by check	033600 ✓	to	033790 ✓	\$	2,179,419.20
	Warrants - by EFT	EFT000000000539 ✓	to	EFT000000000582 ✓		1,488,724.15
						<u>3,668,143.35</u> ✓
	ACH Payments - Payroll					211,129.58
	Wire - SDCWA - Monthly Purchased Water Payment					2,183,188.43
	ACH Payments - Payroll					268,000.01
	ACH Payments - RAD 96-1 Debt Service					389,714.92
					\$	<u>6,720,176.29</u> ✓

Major Category of Disbursements

Total warrants from the District's checking account:

\$ 3,668,143.35

Following is a breakdown of this total by major categories:

<u>Category</u>	
Outside services	\$ 1,261,357.77
Inventory and supplies	601,216.43
Utilities	345,154.25
Repairs and maintenance	264,849.16
Other	931,395.03
Refunds	11,391.34
Insurance	252,463.37
Permit Fees	316.00

Total

\$ 3,668,143.35 ✓

Sincerely,



Rainy K. Selamat/Finance Manager

Olivenhain Municipal Water District  
Proposed Motions for July 19, 2023 Board of Directors Meeting  
June 2023 Activities

California Bank and Trust

Regular Account

Warrants - by check	033600	to	033790	\$	2,179,419.20
Warrants - by EFT	EFT000000000539	to	EFT000000000582		1,488,724.15
					<hr/> 3,668,143.35
6/9/2023 ACH Payments - Payroll					211,129.58
6/15/2023 Wire - SDCWA - Monthly Purchased Water Payment					2,183,188.43
6/23/2023 ACH Payments - Payroll					268,000.01
6/29/2023 ACH Payments - RAD 96-1 Debt Service					389,714.92
			Total	\$	<hr/> <u>6,720,176.29</u>

Approved:

For Board Consideration and Approval

**Olivenhain Municipal Water District**  
**June 2023 Warrant List - Check & EFT**

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
033600	6/7/2023	American Messaging	60.50	L1-072035	
033601	6/7/2023	Aqua Metric	90,362.42	MXU STOCK UP FOR AMI PROJECT, METER READING SUPPLIES	Yes
033602	6/7/2023	AT & T	24.29	9391056562	
033603	6/7/2023	Aztec Landscaping, Inc.	897.00	LUSARDI ESMNT WEED CLEARING	Yes
033604	6/7/2023	Boyd Fasteners	358.41	SUPPLIES	
033605	6/7/2023	Brightview Landscape Services	1,800.00	Lanscape for EFRR	
033606	6/7/2023	VOID	-	VOID	
033607	6/7/2023	California State Disbursement Unit	123.23	ED100514-6/8/2023- Employee Garnishment	
033608	6/7/2023	Cass Construction	321.44	REF:1005147_299180- Customer Refund	
033609	6/7/2023	Claude Heacox	150.65	REF:1048060_137415- Customer Refund	
033610	6/7/2023	Datel Systems Inc	5,950.00	MESSAGE ARCHIVER VIRT LIC 350 SUB 1YR	Yes
033611	6/7/2023	Dudek	10,070.00	Design Support Services for the 4S Ranch WRF Headworks Screening Project	Yes
033612	6/7/2023	DXP Enterprises, Inc.	6,259.86	WTP Prevenative maintenance services and suplies	Yes
033613	6/7/2023	Edco Waste & Recycling	632.83	25-4A 861816 - WASTE DISPOSAL	Yes
033614	6/7/2023	Encinitas Ford	182.82	SUPPLIES FOR DIST VEHICLES	Yes
033615	6/7/2023	Exaro Technologies Corporation	3,973.30	RETENTION - HARRIS PIPELINE PROJECT	
033616	6/7/2023	Fallbrook Printing Corp	1,196.16	AMI POSTCARDS, POCKET FOLDERS	Yes
033617	6/7/2023	Gabriel Hernandez	150.00	WW GRADE 4 CERT RENEW REIMB	
033618	6/7/2023	Hoch Consulting	36,442.90	Design Services for FY23 Recycled Water Pipeline Extension Project	Yes
033619	6/7/2023	Infosend	3,278.33	4/23 MAINTENANCE FEE FOR CUST PMT SERVICE	
033620	6/7/2023	J & W Redwood Lumber Co	138.66	SUPPLIES FOR ELFIN FOREST RECREATION RESERVE	
033621	6/7/2023	Jamie Ransom	9.53	REF:1086709_205665- Customer Refund	
033622	6/7/2023	Jennette Company Inc.	21,178.00	4SWRF EMERGENCY WIRING PROJECT	Yes
033623	6/7/2023	Kevin Dalzell	87.32	REF:1088196_107875- Customer Refund	
033624	6/7/2023	Mark Snyder Electric	1,610.00	EFRR INTERPRETIVE CENTER SOLAR SYSTEM REPAIRS	
033625	6/7/2023	McCullough Design & Development	542.41	REF:1081467_303045- Customer Refund	
033626	6/7/2023	Michael Mellen	226.98	REF:1058008_119940- Customer Refund	
033627	6/7/2023	Myers & Sons	159.09	SUPPLIES FOR ELFIN FOREST RECREATION RESERVE	
033628	6/7/2023	North County Powder Coating	112.75	WTP SERVICES	
033629	6/7/2023	Pacific Pipeline Supply	702.87	SUPPLIES	Yes
033630	6/7/2023	Parkhouse Tire Inc	1,052.35	PU47 SUPPLIES	Yes
033631	6/7/2023	Republic Services	1,922.75	4-4530-0333405- WASTE DISPOSAL	
033632	6/7/2023	Republic Services #529	693.89	3-0661-1001776- WASTE DISPOSAL	
033633	6/7/2023	San Diego Gas & Electric	70.56	0044471250047	Yes
033634	6/7/2023	SiteOne Landscape Supply, LLC	134.76	LANDSCAPING SUPPLIES	
033635	6/7/2023	Steve Hoslett	67.60	REF:1061051_215600- Customer Refund	
033636	6/7/2023	Superior Elec. Motor Service, Inc.	18,789.30	Repairs for NBHD #1 SPS Pump	Yes
033637	6/7/2023	Taylor Morrison of CA	1,206.48	REF:1054864_182290- Customer Refund	
033638	6/7/2023	Underground Service Alert	466.75	DIG ALERT TICKETS	
033639	6/7/2023	West Coast Sand & Gravel	5,367.70	YARD SUPPLIES - CRUSHED ROCK, ETC.	Yes
033640	6/7/2023	Zebron	4,750.00	DEL DIOS PS ASSESSMENT	Yes
033641	6/14/2023	Aflac	1,445.50	Supplemental insurance	
033642	6/14/2023	Aqua Metric	62,073.11	AMI data for potable & recycled hydraulic model updates, meter box/covers with MXU hole (QTY 923)	Yes
033643	6/14/2023	Bee Rescue LLC	580.00	Bee removal	Yes
033644	6/14/2023	Brad Lefkowitz	250.00	WTRSMART LANDSCAPE CONTEST PRIZE	
033645	6/14/2023	Cash	89.85	PETTY CASH REPLENISHMENT	
033646	6/14/2023	County Of San Diego	316.00	Plan reviews	Yes
033647	6/14/2023	Diversified Manufacturing of CA, Inc.	3,329.47	2nd stage train 2 leveling pins at WTP	Yes
033648	6/14/2023	Escondido Metal Supply	1,004.66	Shop supplies	Yes
033649	6/14/2023	Fallbrook Printing Corp	629.10	SEWER CHG INCREASE LETTERS (QTY 308)	
033650	6/14/2023	Ferguson Enterprises Inc. #1083	2,712.61	SUPPLIES FOR VALVE REPLACEMENT PROJECT	
033651	6/14/2023	Gillingham Water Planning and Engineering, Inc.	13,780.00	SDVGW FEASIBILITY STUDY CONSULTING	Yes
033652	6/14/2023	Hazen and Sawyer	5,576.50	DCMWTP CENTRIFUGE PROJECT	Yes
033653	6/14/2023	Hi-Line Electric Company, Inc.	276.24	CRYSTAL CLEAR WINDOW ASSIST	
033654	6/14/2023	Hill Brothers Chemical Company	13,492.07	WWTP CHEMICALS	
033655	6/14/2023	Home Depot/Gecf	6,499.36	5/23 SUPPLIES	
033656	6/14/2023	Ignacio Tool Supply Inc.	122.03	TRUCK TOOLS RESTOCK	
033657	6/14/2023	Infrastructure Engineering Corporation	7,725.00	ENC BLVD APARTMENTS HYDROLIC MODELING, MDD & PHD CALCS PER STATE REGS	Yes
033658	6/14/2023	Integrity Municipal Systems	4,840.00	WWTP SERVICES - ODOR CONTROL AND ACID WASH	Yes
033659	6/14/2023	Jamilyn Stewart	56.39	REF:1084826_198475- Customer Refund	
033660	6/14/2023	Joe Khoury	148.25	REF:1084943_146045- Customer Refund	
033661	6/14/2023	KRC Rock	108.57	YARD MATERIALS	Yes
033662	6/14/2023	Marina Landscape, Inc.	2,067.50	RETENTION - COURTYARD GARDEN	
033663	6/14/2023	Morton Salt Inc	6,262.37	WTP CHEMICALS	
033664	6/14/2023	Raymond Motas	110.00	T3 RENEWAL REIMBURSEMENT	
033665	6/14/2023	National Glazing, Inc	4,252.00	RETRO-FIT WINDOWS (HQ)	
033666	6/14/2023	Pacific Pipeline Supply	2,961.50	BOLTS, WASHERS, NUTS, UNIONS	Yes
033667	6/14/2023	Jaroth Inc., dba	78.00	760-489-9971	
033668	6/14/2023	Peterson Structural Engineers, Inc.	1,442.20	CONCRETE TANK AND INSPECTION REHAB PROJECT	Yes
033669	6/14/2023	Raffetis Financial Consultant	9,468.78	CAPACITY FEE STUDY	Yes
033670	6/14/2023	RCP Block & Brick Inc	1,493.09	YARD MATERIALS- ROCK	Yes
033671	6/14/2023	San Diego County	570.00	PERMIT FEE	
033672	6/14/2023	San Diego Gas & Electric	46,995.90	UTILITIES - VARIOUS LOCATIONS	Yes
033673	6/14/2023	San Elijo Joint Powers Auth.	36,993.00	5/23 20.9 AC/FT RECYCLED WATER	

**Olivenhain Municipal Water District**  
**June 2023 Warrant List - Check & EFT**

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
033674	6/14/2023	SiteOne Landscape Supply, LLC	441.04	STRAW WATTLE (SWPP INSPECTION)	Yes
033675	6/14/2023	Sonsray Machinery LLC	254.74	BA06 SUPPLIES	Yes
033676	6/14/2023	Sue Mertens	50.03	REF:1042331_224585- Customer Refund	
033677	6/14/2023	TASC	456.90	5/23 VEBA ADMIN/CLAIMS FEE	
033678	6/14/2023	Trenton Anderson	221.02	REF:1058753_224535- Customer Refund	
033679	6/14/2023	UniFirst Aid Corp	237.28	FIRST AID SUPPLIES	
033680	6/14/2023	Utility Service Co. Inc	222,101.67	WTP SERVICES	Yes
033681	6/14/2023	West Coast Sand & Gravel	1,433.43	YARD MATERIALS- FILL SAND, CRUSHED ROCK	Yes
033682	6/14/2023	West Yost & Associates, Inc	13,302.02	AS NEEDED RECYCLED WATER SITES INSPECTIONS, MANCHESTER RECYCLED	Yes
033683	6/21/2023	Am Tec Total Security Inc	180.00	PARKS ALARM MONITORING	
033684	6/21/2023	American Conservation & Billing Solutions, Inc.	3,251.00	7/23 AQUAHAWK SERVICES	
033685	6/21/2023	Hill, Amy	400.00	EDUCATION INCENTIVE PAY	
033686	6/21/2023	Ankit Shah	151.74	REF:1091411_160870- Customer Refund	
033687	6/21/2023	AT & T	1,059.24	9391056789	Yes
033688	6/21/2023	Bay City Electric Works	1,630.16	CIELO PUMP STATION PM SERVICES- GENERATOR	
033689	6/21/2023	Bret Hutchinson dba	4,200.00	PARKS TREE SERVICE- 200 TREES SPRAYED	
033690	6/21/2023	Brian Lord	149.97	REF:1091807_116985- Customer Refund	
033691	6/21/2023	C E Wilson Corporation	74,670.00	VALVE REPLACEMENT PROJECT FY22/23 -Construction	Yes
033692	6/21/2023	California State Disbursement Unit	123.23	ED100514-6/22/2023 - EMPLOYEE GARNISHMENT	
033693	6/21/2023	Canyon Industries	243,392.70	HYDROPOWER TURBINE REFURB PROJECT SERVICES	Yes
033694	6/21/2023	City Treasurer	168,681.67	RECYCLED WATER PURCH	Yes
033695	6/21/2023	City Treasurer	701.76	RECYCLED WATER PURCH	
033696	6/21/2023	Corodata	375.49	OFFSITE RECORDS STORAGE	
033697	6/21/2023	Corodata Shredding, Inc	69.87	SHREDDING SERVICES	
033698	6/21/2023	County of San Diego, RCS	171.00	5/23 RADIO SERVICES	
033699	6/21/2023	Deanne Lewis	120.51	REF:1090141_130460- Customer Refund	
033700	6/21/2023	DXP Enterprises, Inc.	28,221.88	SUPPLIES FOR POTABLE PUMPS AND MOTORS REPLACEMENT PROJECT	Yes
033701	6/21/2023	EcosConnect LLC	1,835.00	5/23 BACKFLOW REPORTS	
033702	6/21/2023	Fallbrook Printing Corp	762.15	WELCOME LETTER MAILING (184)	
033703	6/21/2023	First Choice Technology	153.45	13001474	Yes
033704	6/21/2023	Franchise Tax Board	593.42	EMPLOYEE GARNISHMENT	
033705	6/21/2023	Hasa	7,767.89	WWTP CHEMICALS	
033706	6/21/2023	Hawthorne Machinery Co.	120.39	PS generator cooler bottle	
033707	6/21/2023	Hi-Line Electric Company, Inc.	190.80	washers/nuts	
033708	6/21/2023	Infrastructure Engineering Corporation	16,173.52	HYD MODEL SERVICES, DEVELOP SCHEMATIC OF POTABLE SYSTEM, SWPPP IMPROVEMENTS	Yes
033709	6/21/2023	Integrity Municipal Systems	1,303.00	WWTP SERVICES- ODOR SCRUBBER	
033710	6/21/2023	John Howell	120.72	REF:1091880_188020- Customer Refund	
033711	6/21/2023	Madhu Prabaker	80.13	REF:1091712_296785- Customer Refund	
033712	6/21/2023	Napa Auto Parts	561.82	5/23 SUPPLIES	
033713	6/21/2023	Nature Collectives	1,412.11	REF:1088261_302600- Customer Refund	
033714	6/21/2023	Ninyo & Moore	1,942.00	4S Ranch Neighborhood 1 Sewer Pump Station Replacement Project	Yes
033715	6/21/2023	Orly Perez	111.48	REF:1083000_206245- Customer Refund	
033716	6/21/2023	Pacific Pipeline Supply	2,720.81	BRASS NIPPLES, ADAPTERS, GASKETS, BOLTS, NUTS, BALL VALVES, ETC.	Yes
033717	6/21/2023	Palomar Health	250.00	PRE-EMPLOYMENT SERVICES	
033718	6/21/2023	Patrick Brauer	74.83	REF:1062058_209060- Customer Refund	
033719	6/21/2023	Patriot Environmental	1,529.50	WWTP ROLLOFF BIN DISPOSAL SVC	Yes
033720	6/21/2023	Paul Huggins	37.77	REF:1091509_190060- Customer Refund	
033721	6/21/2023	PWLC I, INC	14,848.00	LANDSCAPE MAINTENANCE	Yes
033722	6/21/2023	Rancho Santa Fe Community Svs	11,597.71	5/23 14.05 AC/FT RECYCLED WTR	
033723	6/21/2023	Republic Services #661	10,526.64	3-0661-2000037- WASTE DISPOSAL	Yes
033724	6/21/2023	San Diego Gas & Electric	86,112.23	UTILITIES - VARIOUS LOCATIONS	Yes
033725	6/21/2023	Santa Fe Irrigation Dist	2,393.65	008128-009, 6/1/2023	Yes
033726	6/21/2023	Solar-Care	680.00	OMWD HQ WINDOW SERVICES	
033727	6/21/2023	Sonsray Machinery LLC	392.44	BA09 SUPPLIES	Yes
033728	6/21/2023	Specialty Seals & Accessories	1,831.62	BACKUP SEALS FOR PUMPS	
033729	6/21/2023	Tri Signal Integration Inc	387.25	WTP FIRE ALARM SYS SERVICE	
033730	6/21/2023	Two Oaks Sweeping LLC	700.00	5/30 OMWD HQ SWEEPING SERVICES	
033731	6/21/2023	Underground Service Alert	840.75	DIG ALERT TICKETS	Yes
033732	6/21/2023	United Parcel Service	188.74	SHIPPING	
033733	6/21/2023	Verizon Connect Fleet USA, LLC	924.85	100000112726-VEHICLE TRACKING	
033734	6/21/2023	Wendy McDonald	96.99	REF:1090615_231040- Customer Refund	
033735	6/21/2023	West Coast Sand & Gravel	2,508.08	YARD MATERIALS	
033736	6/21/2023	West Coast Telcom Products	2,439.71	LEAK DETECTOR	
033737	6/21/2023	WEST Consultants, Inc.	481.50	4S RANCH DAM INUNDATION STUDY	
033738	6/28/2023	AG Tech Llc	1,914.36	WWTP BIOSOLIDS DISPOSAL SVCS	
033739	6/28/2023	American Backflow Specialties	225.70	TEST FITTING, CMPL KIT, ETC.	
033740	6/28/2023	Aqua Metric	52,285.04	Inventory stockup of 3/4 and 1" meters	Yes
033741	6/28/2023	Armen Shahnazarian	79.14	REF:1089179_237300- Customer Refund	
033742	6/28/2023	AT & T	639.91	9391059578	Yes
033743	6/28/2023	Bee Rescue LLC	670.00	Bee removal	Yes
033744	6/28/2023	Bob Turner's Crane Service Inc	902.00	WWTP POND SERVICES	
033745	6/28/2023	William Broadhead	150.00	WW GRADE 3 RENEWAL REIMB	
033746	6/28/2023	Claude Heacox	150.65	REF:1048060_137415- Customer Refund	
033747	6/28/2023	Datel Systems Inc	8,773.00	BACKUP SOFTWARE AND SUPPORT- 1 YR SUBSCRIPTION	Yes
033748	6/28/2023	Dempsey Construction	1,764.27	REF:1008046_303330- Customer Refund	
033749	6/28/2023	Diana Spencer	39.30	MILEAGE REIMBURSEMENT	Yes
033750	6/28/2023	Doc's Water	1,082.54	REF:1061209_303490- Customer Refund	
033751	6/28/2023	Escondido Metal Supply	137.97	FB48 SUPPLIES	Yes
033752	6/28/2023	Fallbrook Printing Corp	2,296.01	DOOR HANGERS, PARKS TRAIL MAPS	Yes
033753	6/28/2023	Farwest Corrosion	4,411.00	RETENTION - LUSARDI CP RPLCMNT	
033754	6/28/2023	Ferguson Enterprises Inc. #1083	4,120.36	WIRELESS BLUETOOTH PRESSURE TRANSDUCERS	
033755	6/28/2023	Gallade Chemical	6,290.36	WTP CHEMICALS	
033756	6/28/2023	Gary Slater	74.64	REF:1091463_127175- Customer Refund	
033757	6/28/2023	Geoscience Support Svcs, Inc.	91,404.05	SDVGW FEASIBILITY STUDY CONSULTING	Yes
033758	6/28/2023	Gillingham Water Planning and Engineering, Inc.	420.00	SDVGW FEASIBILITY STUDY CONSULTING	Yes
033759	6/28/2023	Golden State Labor	2,189.00	Manchester Recycled Water Labor Compliance Program	Yes

**Olivenhain Municipal Water District**  
**June 2023 Warrant List - Check & EFT**

Number	Date	Name	Amount	Inv Reference	Multiple Invoices?
033760	6/28/2023	Guardian	927.52	7/23 DENTAL ADMIN FEES	
033761	6/28/2023	IKG Environmental	12,392.21	WELL MONITORING FOR SDVGW PROJECT	Yes
033762	6/28/2023	Infrastructure Engineering Corporation	11,702.88	PINNACLES-SFV WTR SYSTEM ANALYSIS, REC HYD MODEL DEVELOPMENT	Yes
033763	6/28/2023	Mark Lass	62.44	REF:1049284_122105- Customer Refund	
033764	6/28/2023	Michelle Gebert	170.25	REF:1091458_100950- Customer Refund	
033765	6/28/2023	Mignon Silvestri	80.66	REF:1085309_139700- Customer Refund	
033766	6/28/2023	Morton Salt Inc	6,124.05	WTP CHEMICALS	
033767	6/28/2023	Natalie Kelleher	204.56	REF:1087809_141245- Customer Refund	
033768	6/28/2023	Naumann Hobbs - San Diego	382.42	WTP SERVICES	
033769	6/28/2023	Ninyo & Moore	1,000.00	GEOTECHNICAL SERVICES - VALVE REPLACEMENT PROJECT	Yes
033770	6/28/2023	One Source Distributors	4,214.25	THORNTON PS CONTROLLER	
033771	6/28/2023	John Onkka	150.00	EDUCATION INCENTIVE	
033772	6/28/2023	Orion Construction Corporation	369,624.52	NEIGHBORHOOD 1 SEWER PUMP STATION PROJECT CONSULTANT	Yes
033773	6/28/2023	Pacific Pipeline Supply	1,643.51	CLAMPS, COUPLINGS, GASKETS	Yes
033774	6/28/2023	Peterson, Sean	400.00	EDUCATION INCENTIVE	
033775	6/28/2023	Republic Services	4,218.80	4-4530-0333405- SLUDGE	
033776	6/28/2023	Robert Weinheimer	142.27	REF:1091129_145970- Customer Refund	
033777	6/28/2023	Roman Godz	134.97	REF:1091284_241850- Customer Refund	
033778	6/28/2023	San Diego Building Maintenance	5,396.00	5/23 JANITORIAL SERVICES	
033779	6/28/2023	San Diego Gas & Electric	14,216.79	UTILITIES - VARIOUS LOCATIONS	Yes
033780	6/28/2023	San Elijo Joint Powers Auth.	48,807.52	WIIN GRANT REIMB (10/22-3/23)	
033781	6/28/2023	Sancon Technologies Inc.	1,721.42	REF:1091397_303185- Customer Refund	
033782	6/28/2023	SDRMA	106,137.66	FY23/24 WORKERS COMP INSURANCE	
033783	6/28/2023	Sharon Shields	279.18	REF:1060950_100105- Customer Refund	
033784	6/28/2023	SiteOne Landscape Supply, LLC	1,311.18	OMWD HQ IRRIGATION SUPPLIES	Yes
033785	6/28/2023	Specialty Seals & Accessories	3,687.29	REPLACEMENT SEALS FOR KSB PUMPS	
033786	6/28/2023	State Water Resources	105.00	GRADE 5 CERT FEE - J.TOVAR	
033787	6/28/2023	Steven L. Sherman DBA	1,545.00	Conservation landscape services-evaluation	Yes
033788	6/28/2023	Sunbelt Rentals, Inc.	351.26	TOWABLE CONCRETE MIXER RENTAL	Yes
033789	6/28/2023	United Parcel Service	63.54	SHIPPING	
033790	6/28/2023	US Bank	2,190.51	PRINTERS	
EFT000000000539	6/7/2023	B. Weber Consulting LLC	9,826.13	IT CONSULTING SERVICES - APRIL/MAY 2023	Yes
EFT000000000540	6/7/2023	McMaster-Carr Supply Co.	1,719.61	SUPPLIES	Yes
EFT000000000541	6/7/2023	CyberlinkASP Technology	9,652.72	DYNAMICS GP/CIS HOSTING SERVICES & DEDICATED SERVERS	No
EFT000000000542	6/7/2023	Woodard & Curran	26,932.21	Environmental and Grant Admin Services for Title XVI	Yes
EFT000000000543	6/7/2023	Volt Management Corp DBA	2,585.52	WTP INTERN W/E 4/28 5/5 5/12; CONST INTERN	Yes
EFT000000000544	6/7/2023	On-Sight Safety Optics, Inc.	600.00	SAFETY GLASSES	No
EFT000000000545	6/7/2023	Softchoice	2,530.00	SOLARWINDS MAINT SUPPORT SVC	No
EFT000000000546	6/7/2023	Dell Computers	50,000.19	DELL SUPPORT RENEWAL \$46,837.12; MONITORS (24) \$3,163.07	Yes
EFT000000000547	6/7/2023	Valley Construction Management	3,650.50	Inspection services	Yes
EFT000000000548	6/7/2023	Water for People	66.00	WTRPL 6/8/2023	No
EFT000000000549	6/14/2023	DLM Engineering Inc	17,947.50	ENGINEER CONSULTING SERVICES	Yes
EFT000000000550	6/14/2023	Westamerica Communications, Inc.	5,986.28	PRE-PAY POSTAGE	Yes
EFT000000000551	6/14/2023	Sloan Electric	1,175.85	WTP SERVICES	No
EFT000000000552	6/14/2023	Woodard & Curran	3,426.25	San Dieguito Desal Project Consulting	Yes
EFT000000000553	6/14/2023	Rutan & Tucker, LLP	6,767.00	Special counsel and strategic assistance in evaluating project feasibility for SDVGW project	Yes
EFT000000000554	6/14/2023	Martin Marietta Materials Inc	870.00	DUMP BOBTAIL - CONCRETE	No
EFT000000000555	6/14/2023	CDW Government Inc	1,863.74	SUPPLIES	Yes
EFT000000000556	6/14/2023	Konecranes Inc	791.00	Crane & Hoist Inspections at DCMWTP	Yes
EFT000000000557	6/21/2023	ACWA - JPIA	142,437.79	7/23 GROUP INSURANCE	No
EFT000000000558	6/21/2023	Vallecitos Water District	48,481.86	RECLAIMED WATER SALES	No
EFT000000000559	6/21/2023	Westamerica Communications, Inc.	1,482.35	PRINTING SERVICES	No
EFT000000000560	6/21/2023	Evoqua Water Technologies	258.60	WWTP SERVICES	No
EFT000000000561	6/21/2023	NexusTek Phoenix	4,857.30	CLOUD STORAGE SERVICES	No
EFT000000000562	6/21/2023	Whitson CM	300.00	OMWD HQ SITE INSPECTIOS	No
EFT000000000563	6/21/2023	CDW Government Inc	338.98	SUPPLIES	No
EFT000000000564	6/21/2023	Nossaman LLP	6,750.00	LOBBYING SERVICES	No
EFT000000000565	6/21/2023	San Diego County Water Authority	13,330.98	DAM OP & MAINTENANCE	No
EFT000000000566	6/21/2023	Dell Computers	64,165.51	LAPTOPS AND DOCKS (31), DELL EMC POWERSWITCH	Yes
EFT000000000567	6/21/2023	Harrington Industrial Plastics Inc	57.95	WTP SUPPLIES	No
EFT000000000568	6/21/2023	Water for People	66.00	WTRPL 6/22/2023	No
EFT000000000569	6/28/2023	Leucadia Wastewater District	8,254.54	WIIN GRANT REIMB (10/22-3/23)	Yes
EFT000000000570	6/28/2023	Southern Counties Lubricants, LLC.	12,731.52	FUEL SUPPLIES	Yes
EFT000000000571	6/28/2023	Westamerica Communications, Inc.	5,199.41	WATCHING WATER	No
EFT000000000572	6/28/2023	Wageworks	1,058.00	6/23 FSA ADMIN FEE	Yes
EFT000000000573	6/28/2023	Rincon Del Diablo Mwd	17,157.86	WIIN GRANT REIMB (10/22-3/23)	No
EFT000000000574	6/28/2023	Evoqua Water Technologies	6,357.58	DEL DIOS SPS CHEMICALS	No
EFT000000000575	6/28/2023	Woodard & Curran	11,962.19	SDVGW CONSULTING	Yes
EFT000000000576	6/28/2023	Rutan & Tucker, LLP	13,042.00	Special counsel and strategic assistance in evaluating project feasibility for SDVGW project	Yes
EFT000000000577	6/28/2023	Martin Marietta Materials Inc	686.37	YARD MATERIALS	No
EFT000000000578	6/28/2023	City of Oceanside	910,601.14	WIIN GRANT REIMB (10/22-3/23)	No
EFT000000000579	6/28/2023	Nossaman LLP	20,826.34	4/23 LEGAL SERVICES	Yes
EFT000000000580	6/28/2023	Univar Solutions Usa Inc	1,920.00	25% Sodium Bisulfite annual purchase	Yes
EFT000000000581	6/28/2023	Valley Construction Management	10,900.75	Construction Management and Inspection Services	Yes
EFT000000000582	6/28/2023	Vallecitos Water District	39,108.63	WIIN GRANT REIMB (10/22-3/23)	No
			3,668,143.35		

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

<u>Name</u>	<u>Payment Date</u>	<u>Check#/ Credit Card</u>	<u>Meals &amp; Lodging</u>	<u>Travel &amp; Transport</u>	<u>Other</u>	<u>Total Reimbursed Expenses</u>	<u>Directors Fee*</u>
Director Guerin			0.00	0.00	0.00	0.00	0.00
			0.00	0.00	0.00	0.00	0.00
Director Hahn			0.00	0.00	0.00	0.00	150.00
			0.00	0.00	0.00	0.00	150.00
Director Meyers			0.00	0.00	0.00	0.00	150.00
			0.00	0.00	0.00	0.00	150.00
Director San Antonio			0.00	0.00	0.00	0.00	0.00
			0.00	0.00	0.00	0.00	0.00
Director Watt			0.00	0.00	0.00	0.00	150.00
			0.00	0.00	0.00	0.00	150.00
General Manager Thorner			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Human Resources Manager Joslin			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Finance Manager Selamat			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Operations Manager Fulks			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Engineering Manager Stephenson			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Assistant General Manager Randall			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	
Customer Service Manager Carnegie			0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	

\*For 5/31/23 Special Board Meeting. June Per Diems were paid in July.

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.

**Olivenhain Municipal Water District**  
**MONTHLY CASH AND INVESTMENT SUMMARY**  
**As of May 31, 2023**

**Active Deposits**

	<b><u>Book Value</u></b>
Checking Accounts	\$ 5,127,216
Cash Restricted for Specific Use	4,953,500
Petty Cash/Disaster Preparedness	1,491
Total Active Deposits	<u>\$ 10,082,207</u>

**Deposits Not Covered by Investment Policy**

Cash with Fiscal Agents	5,544,937
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<b><u>Investments</u></b>	<b><u>Face Value</u></b>	<b><u>Market Value</u></b>	<b><u>Current Yield</u></b>	
LAIF	\$ 9,407,917	9,281,008	2.99%	\$ 9,407,917
CAMP - US Bank	23,342,687	23,342,687	5.16%	23,342,687
Money Market Funds	295,128	295,128	4.93%	295,128
Medium Term Notes	500,000	494,830	2.32%	497,940
Municipal Bonds	1,000,000	1,011,240	4.94%	1,216,760
U.S. Treasury Securities	13,530,000	13,340,728	4.25%	13,311,787
U.S. Agency Securities	35,426,111	32,842,018	1.18%	35,381,024
Total Investments	<u>\$ 83,501,844</u>	<u>\$ 80,607,639</u>	<u>3.12%</u>	<u>\$ 83,453,244</u>

**Total - All Deposits/Investments**

**\$ 99,080,388**

**Maturity Analysis of Investments**

	<b><u>Percent</u></b>	<b><u>Balance</u></b>
Demand Deposits	39.6%	\$ 33,045,733
Maturity within the next two months	12.4%	10,314,625
Maturity within three months and one year	10.0%	8,382,964
Maturity beyond one year	38.0%	31,709,922
Total Investments	<u>100.0%</u>	<u>\$ 83,453,244</u>

**Weighted Average Days to Maturity**

**363**

**Other Required Disclosures:**

Accrued interest receivable as of 05/31/2023 \$ 333,140

The above investments are in accordance with the portfolio limitations in the Investment Policy approved by the Board in December 2022.

The District has sufficient funds on hand to meet the next 60 days' obligations.



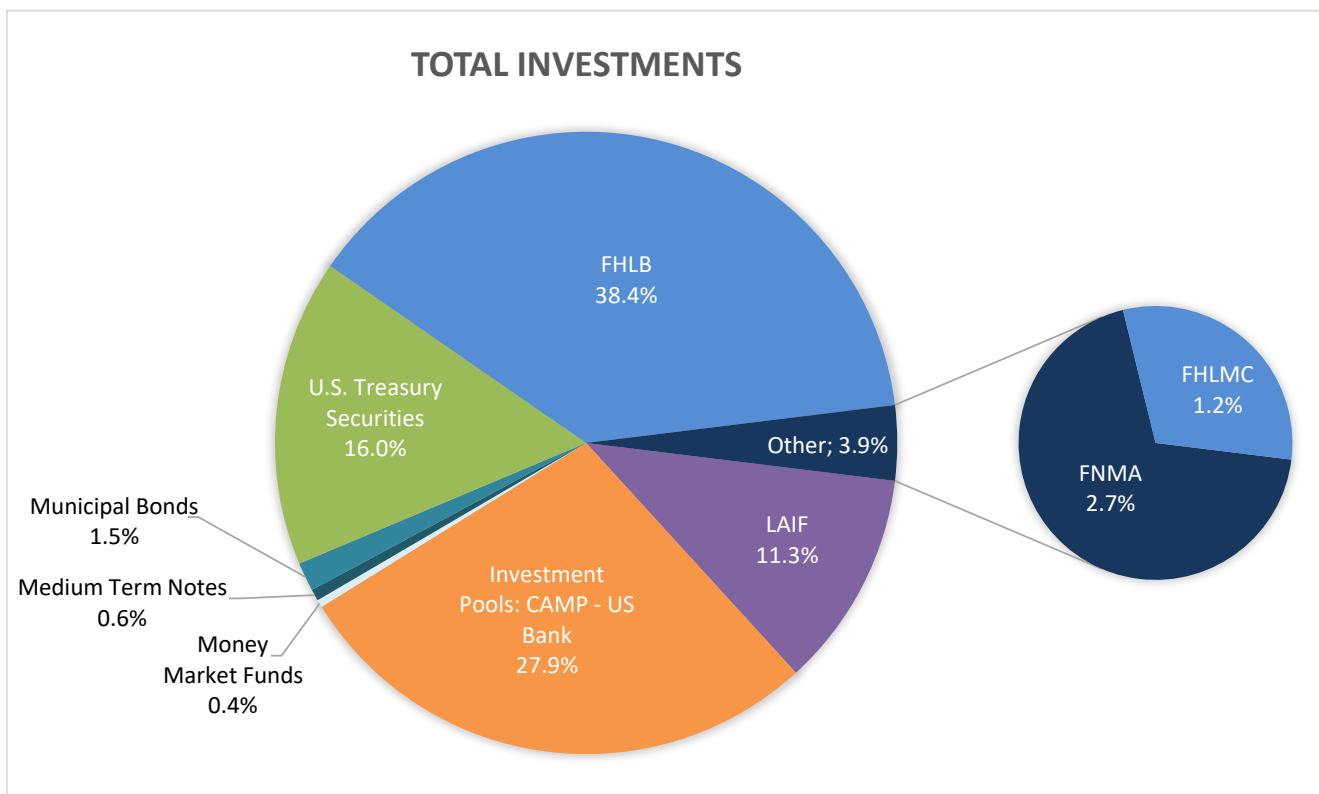
**Olivenhain Municipal Water District**  
**PORTFOLIO LIMITATIONS ANALYSIS PER INVESTMENT POLICY**  
**May 31, 2023**

	<u>Book Value</u>	<u>Percent</u>	<u>Permitted Percent</u>	<u>In Compliance?</u>
LAIF	\$ 9,407,917	11.3%	50.0% <sup>(1)</sup>	Yes
Investment Pools: CAMP - US Bank	23,342,687	28.0%	30.0%	Yes
Money Market Funds	295,128	0.4%	20.0% <sup>(2)</sup>	Yes
Medium Term Notes	497,940	0.6%	30.0% <sup>(3)</sup>	Yes
Municipal Bonds	1,216,760	1.5%	30.0%	Yes
U.S. Treasury Securities	13,311,787	16.0%	100.0% <sup>(4)</sup>	Yes
U.S. Agency Securities	35,381,024	42.4%	50.0%	Yes
<i>FHLB Federal Home Loan Bank</i>	<i>32,131,024</i>	<i>38.5%</i>		
<i>FNMA Fannie Mae</i>	<i>2,250,000</i>	<i>2.7%</i>		
<i>FHLMC Freddie Mac</i>	<i>1,000,000</i>	<i>1.2%</i>		

**Total Investments** **\$ 83,453,244** **100%**

Note:

- <sup>(1)</sup> No more than 50% of the total value of all District Investments or \$40 million.
- <sup>(2)</sup> May not exceed 5% in any money market fund.
- <sup>(3)</sup> May not exceed 5% per issuer.
- <sup>(4)</sup> No limit.



\* Total may not add up to 100% due to rounding.

**Olivenhain Municipal Water District**  
**MONTHLY INVESTMENTS DETAIL**  
**May 31, 2023**

**ACTIVE DEPOSIT**

**Checking A/C:** California Bank and Trust for General Purpose  
California Bank and Trust for Specific Purpose  
**CAMP 2021A Bond**  
**Petty Cash/Disaster Preparedness**

**Book Value**

5,127,216  
523,627  
4,429,872  
1,491

**Total - Active Deposits**

**10,082,207**

**DEPOSITS NOT COVERED BY INVESTMENT POLICY**

**Cash with Fiscal Agents:**

Union Bank - RAD 96-1 Refunding Bond  
Union Bank - 2015A Refunding Bond  
SRF Loan  
Union Bank - 2016A Refunding Bond  
Union Bank - 2021A WW Revenue Bond  
Union Bank - 2021B Refunding Bond

825,034  
2,132,980  
965,487  
772,052  
259,320  
590,065

**Total Deposits Not Covered by Investment Policy**

**5,544,937**

RATING		DATE				Weighted Average Days to Maturity	Call	Stated Coupon	Current Yield	Market Value	Face Value	Book Value
Moody's	S&P	Purchase	Maturity	Next Call	Next S-U							

**INVESTMENTS**

<b>Invest. Pools:</b>	US Bank Calif. Asset Mgmt Prgm (CAMP)	Demand	1	5.16%	\$ 23,342,687	\$ 23,342,687	\$ 23,342,687
	State Local Agency Investment Fund (LAIF)	Demand	1	2.99%	9,281,008	9,407,917	9,407,917
	First American Government 31846V567	Demand	1	4.93%	295,128	295,128	295,128

**U.S. Treasury Notes/Bills**

912796ZG7	U.S. Treasury Bills	Aaa	-	12/01/22	06/01/23	2		4.68%	4.68%	2,000,000	2,000,000	1,954,392
912796X53	U.S. Treasury Bills	Aaa	-	12/15/22	06/15/23	16		4.66%	4.67%	998,010	1,000,000	977,290
912796ZQ5	U.S. Treasury Bills	Aaa	-	12/22/22	06/22/23	23		4.65%	4.66%	1,994,040	2,000,000	1,954,680
912796ZS1	U.S. Treasury Bills	Aaa	-	04/10/23	07/06/23	37		4.76%	4.79%	995,300	1,000,000	988,774
912796XQ7	U.S. Treasury Bills	Aaa	-	01/13/23	07/13/23	44		4.74%	4.77%	1,988,180	2,000,000	1,954,100
912796XQ7	U.S. Treasury Bills	Aaa	-	04/14/23	07/13/23	44		4.92%	4.95%	1,192,908	1,200,000	1,185,624
912796Y29	U.S. Treasury Bills	Aaa	-	01/30/23	07/27/23	58		4.77%	4.81%	1,319,280	1,330,000	1,299,765
912796Z36	U.S. Treasury Bills	Aaa	-	02/16/23	08/17/23	79		4.93%	4.99%	989,140	1,000,000	976,000
91282CBQ3	U.S. Treasury Notes	Aaa	-	03/09/21	09/30/24	489		0.50%	0.55%	907,110	1,000,000	984,478
912828YH7	U.S. Treasury Notes	Aaa	-	03/09/21	02/28/26	1,005		1.50%	1.57%	956,760	1,000,000	1,036,684
						<b>54</b>		<b>4.19%</b>	<b>4.25%</b>	<b>\$ 13,340,728</b>	<b>\$ 13,530,000</b>	<b>\$ 13,311,787</b>

**U.S. Agency Securities**

3130AJZJ1	FHLB Callable	Aaa	AA+	09/02/20	08/25/23	Anytime	87	1	0.32%	0.32%	1,137,620	1,151,111	1,151,111
3130AS3J6	FHLB Callable	Aaa	AA+	05/24/22	11/24/23	08/24/23	178	86	2.50%	2.54%	542,229	550,000	550,000
313384QR3	FHLB Discount Note	Aaa	AA+	01/19/23	12/18/23		202		4.77%	4.90%	972,590	1,000,000	957,913
3135GAEU1	FNMA Callable	Aaa	AA+	02/13/23	02/09/24	08/09/23	255	71	5.13%	5.14%	996,130	1,000,000	1,000,000
3130ARYU9	FHLB Callable	Aaa	AA+	05/23/22	02/23/24	08/23/23	269	85	3.00%	3.05%	982,410	1,000,000	1,000,000
3136G4P56	FNMA Callable	Aaa	AA+	08/26/20	02/26/24	08/26/23	272	88	0.40%	0.42%	1,204,775	1,250,000	1,250,000
3130AL6Q2	FHLB Callable	Aaa	AA+	02/26/21	02/26/24	Anytime	272	1	0.22%	0.23%	962,540	1,000,000	1,000,000
3130AMMV1	FHLB Callable	Aaa	AA+	06/03/21	06/03/24	06/03/23	370	4	0.40%	0.42%	475,550	500,000	500,000
3130ALHM9	FHLB Callable	Aaa	AA+	03/10/21	06/10/24	06/10/23	377	11	0.30%	0.32%	949,280	1,000,000	999,000
3130ANTP5	FHLB Callable	Aaa	AA+	09/16/21	09/16/24	06/16/23	475	17	0.50%	0.53%	940,060	1,000,000	1,000,000
3130ANSP6	FHLB Callable	Aaa	AA+	09/17/21	10/17/24	09/17/23	506	110	0.50%	0.53%	936,800	1,000,000	1,000,000
3130AKEW2	FHLB Callable	Aaa	AA+	11/04/20	11/04/24	Anytime	524	1	0.43%	0.46%	1,867,340	2,000,000	2,000,000
3130ANGN4	FHLB Step-up Callable	Aaa	AA+	08/18/21	02/18/25	08/18/23	630	80	0.50%	0.54%	932,410	1,000,000	1,000,000
3130AMKE1	FHLB Callable	Aaa	AA+	05/27/21	02/27/25	08/27/23	639	89	0.66%	0.71%	926,160	1,000,000	1,000,000
3134GWAQ9	FHLMC Callable	Aaa	AA+	07/28/20	07/28/25	07/28/23	790	59	0.65%	0.71%	916,090	1,000,000	1,000,000
3130AKGX8	FHLB Step-up Callable	Aaa	AA+	12/15/20	12/15/25	06/15/23	930	16	0.40%	0.44%	1,837,240	2,000,000	2,000,000
3130AKMD5	FHLB Callable	Aaa	AA+	01/26/21	01/26/26	07/26/23	972	57	0.50%	0.56%	896,980	1,000,000	999,500
3130AKU53	FHLB Callable	Aaa	AA+	01/28/21	01/28/26	07/28/23	974	59	0.52%	0.58%	897,340	1,000,000	1,000,000
3130AKN69	FHLB Callable	Aaa	AA+	01/28/21	01/28/26	01/28/24	974	243	0.50%	0.56%	896,850	1,000,000	1,000,000
3130AKVN3	FHLB Callable	Aaa	AA+	01/29/21	01/29/26	11/29/23	975	183	0.52%	0.58%	897,260	1,000,000	1,000,000
3130AKWK8	FHLB Callable	Aaa	AA+	02/12/21	02/12/26	08/12/23	989	74	0.51%	0.57%	895,490	1,000,000	1,000,000
3130AKX43	FHLB Step-up Callable	Aaa	AA+	02/24/21	02/24/26	08/24/23	1,001	86	0.70%	0.78%	1,798,860	2,000,000	2,000,000
3130AL7M0	FHLB Callable	Aaa	AA+	02/24/21	02/24/26	08/24/23	1,001	86	0.63%	0.70%	897,430	1,000,000	1,000,000
3130AKYR1	FHLB Callable	Aaa	AA+	02/25/21	02/25/26	02/25/24	1,002	271	0.55%	0.61%	895,470	1,000,000	1,000,000
3130AL6K5	FHLB Callable	Aaa	AA+	02/25/21	02/25/26	02/25/24	1,002	271	0.58%	0.65%	896,230	1,000,000	1,000,000
3130ALD76	FHLB Callable	Aaa	AA+	02/25/21	02/25/26	08/25/23	1,002	87	0.70%	0.78%	899,240	1,000,000	1,000,000
3130ALCW2	FHLB Callable	Aaa	AA+	02/25/21	02/25/26	02/25/24	1,002	271	0.63%	0.70%	897,360	1,000,000	998,500
3130ALGJ7	FHLB Callable	Aaa	AA+	03/23/21	03/23/26	06/23/23	1,028	24	1.00%	1.11%	880,074	975,000	975,000
3130ALPQ1	FHLB Step-up Callable	Aaa	AA+	03/30/21	03/30/26	06/30/23	1,035	31	1.00%	1.09%	915,130	1,000,000	1,000,000
3130ALVC5	FHLB Step-up Callable	Aaa	AA+	04/14/21	04/14/26	07/14/23	1,050	45	1.00%	1.10%	910,150	1,000,000	1,000,000
3130APAY1	FHLB Callable	Aaa	AA+	10/21/21	10/21/26	07/21/23	1,240	52	1.10%	1.23%	893,070	1,000,000	1,000,000
3130APL78	FHLB Callable	Aaa	AA+	10/28/21	10/28/26	07/28/23	1,247	59	1.38%	1.53%	900,960	1,000,000	1,000,000
3130AVCS9	FHLB Callable	Aaa	AA+	03/29/23	03/29/28	12/29/23	1,765	213	6.00%	6.03%	994,900	1,000,000	1,000,000
							771	85	1.10%	1.18%	\$ 32,842,018	\$ 35,426,111	\$ 35,381,024

**Medium Term Notes**

740816AJ2	Pres & Fellows of Harvard	Aaa	AAA	05/06/22	10/01/23	124		2.30%	2.32%	494,830	500,000	497,940
						<b>2</b>	<b>-</b>	<b>2.30%</b>	<b>2.32%</b>	<b>\$ 494,830</b>	<b>\$ 500,000</b>	<b>\$ 497,940</b>

**Municipal Bonds**

882724RA7	TEXAS ST PUB FIN AUTH	Aaa	AAA	10/30/20	10/01/25	855		5.00%	4.94%	1,011,240	1,000,000	1,216,760
						<b>29</b>		<b>5.00%</b>	<b>4.94%</b>	<b>\$ 1,011,240</b>	<b>\$ 1,000,000</b>	<b>\$ 1,216,760</b>

**Total Investments**

**363**      **3.01%**      **3.12%**      **\$ 80,607,639**      **\$ 83,501,844**      **\$ 83,453,244**

**TOTAL - ALL DEPOSITS AND INVESTMENTS**

**\$ 99,080,388**

**Olivenhain Municipal Water District  
INVESTMENTS TRANSACTION  
May 31, 2023**

**PURCHASED**

DATE				Investment Description	<i>Stated</i>	<i>Current</i>	Face Value	Book Value
Purchase	Maturity	Call	Step-Up		<i>Coupon</i>	<i>Yield</i>		

**MATURED / REDEEMED / CALLED**

DATE				Investment Description	<i>Stated</i>	<i>Current</i>	Face Value	Book Value
Redemption	Maturity	Call	Step-Up		<i>Coupon</i>	<i>Yield</i>		

**Olivenhain Municipal Water District**  
**UNAUDITED CASH POSITION BY FUNDING SOURCES**  
**As of May 31, 2023**

<b><u>Water Funds (Potable &amp; Recycled)</u></b>		<b><u>Balance</u></b>
10050-100	Cash - Petty Cash Fund	1,491
10010-100	Cash - Operating Fund	16,140,895
10030-100	Cash - Capital and Equipment Fund	36,939,709
10040-100	Cash - Rate Stabilization Fund	11,835,102
10080-100	Cash - Pension Stabilization Fund	440,147
10060-100	Cash - Deposit Work for Other	100,549
14000-500	Restricted Cash - Capacity Fee Fund	6,565,537
<b>Total Water Funds (Potable &amp; Recycled)</b>		<b><u>72,023,429</u></b>
 <b><u>Wastewater Funds</u></b>		
10010-110	Wastewater - Operating Fund	4,632,455
10030-110	Wastewater - Capital Replacement Fund	9,225,145
10040-110	Wastewater - Rate Stabilization Fund	2,660,448
10080-110	Cash - Pension Stabilization Fund	40,473
<b>Total Wastewater Funds</b>		<b><u>16,558,521</u></b>
 <b><u>Non Fiscal Agent Debt Service Cash</u></b>		
14020-570	Cash non-agent - RAD 96-1	512,427
10070-561	Cash non-agent - Bond 2015A	621
10070-581	Cash non-agent - Bond 2016A	10,580
14020-521	Cash non-agent - Bond 2021A	4,429,872
14020-522	Cash non-agent - Bond 2021B	-
<b>Total Non Fiscal Agent Debt Service Cash</b>		<b><u>4,953,500</u></b>
 <b><u>Debt Service Funds</u></b>		
14030-510	SRF Loan - Fiscal Agent	965,487
14105-570	Redemption fund - RAD 96-1	755,785
14110-570	Reserve fund - RAD 96-1	69,249
14100-561	Redemption fund - Bond 2015A	2,132,980
14100-581	Redemption fund - Bond 2016A	772,052
14100-521	Redemption fund - Bond 2021A	259,320
14100-522	Redemption fund - Bond 2021B	590,065
<b>Total Debt Service Funds</b>		<b><u>5,544,937</u></b>
<b>TOTAL FUND BALANCES</b>		<b><u><u>99,080,388</u></u></b>

# Memo

Date: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Rainy K. Selamat, Finance Manager  
Via: Kimberly Thorner, General Manager  
Subject: **CONSIDER ADOPTION OF A MOTION APPROVING THE DISTRICT'S  
CONSOLIDATED STATEMENT OF NET POSITION, CONSOLIDATED  
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION,  
CONSOLIDATED STATEMENT OF CASH FLOWS, CONSOLIDATED ACTUAL VS  
BUDGET SUMMARY, AND CONSTRUCTION IN PROGRESS REPORT**

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

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

OLIVENHAIN MUNICIPAL WATER DISTRICT  
Statement of Net Position (Unaudited)  
All Funds  
4/30/2023

**Assets**

**Current assets:**

Unrestricted assets:

Cash and cash equivalents	\$80,636,133
Accounts receivable - water and sewer, net	5,295,924
Interest Receivable	250,773
Taxes receivable	184,365
Other receivables	306,140
Lease receivable	394,170
Inventories	1,807,588
Prepaid expenses and deposits	816,423
Total unrestricted assets	<u>89,691,517</u>

Restricted assets:

Cash and cash equivalents	14,667,874
Assessments receivable	46,618
Grants receivable	1,408,310
Total restricted assets	<u>16,122,802</u>
Total current assets	<u>105,814,320</u>

**Noncurrent assets:**

Capital assets, nondepreciable	49,962,094
Capital assets, depreciable/amortizable, net	327,759,489
Capital assets, net	<u>377,721,583</u>
Prepaid bond insurance	17,803
Lease receivable	9,955,712
Total noncurrent assets	<u>387,695,097</u>
Total assets	<u>493,509,417</u>

**Deferred Outflows of Resources**

Deferred amount on refunding	(884,277)
Deferred amount from pension	(2,731,692)
Total deferred outflows of resources	<u>(3,615,969)</u>

**Liabilities**

**Current Liabilities**

Liabilities payable from unrestricted assets:

Accounts payable	4,974,447
Accrued payroll	215,495
Customer deposits	362,392
Payable related to work in progress	91,971
Compensated absences, current portion	996,839
Current portion of long-term debt:	
Wastewater Revenue Bonds 2021A	207,240
Wastewater Refunding Revenue Bonds 2021B	569,840
Water Revenue Refunding Bonds 2016A	560,000
Water Revenue Refunding Bonds 2015A	1,845,000
Special Assessment Debt with Government Commi...	883,019
Notes Payable	827,001
Total liabilities payable from unrestricted assets	<u>11,533,244</u>

Liabilities payable from restricted assets:

Accounts payable	9,181
Interest payable	569,530
Total liabilities payable from restricted assets	<u>578,710</u>
Total current liabilities	<u>12,111,954</u>

**Noncurrent liabilities**

Compensated absences	1,064,005
Net pension liability	7,819,768
Long-term debt, excluding current portion:	
Wastewater Revenue Bonds 2021A	4,589,160
Wastewater Refunding Revenue Bonds 2021B	2,944,060
Water Revenue Refunding Bonds 2016A	13,053,418
Water Revenue Refunding Bonds 2015A	11,493,759
Special Assessment Debt with Government Commi...	3,711,672
Notes Payable	9,929,472
Total noncurrent liabilities	<u>54,605,314</u>
Total liabilities	<u>66,717,268</u>

OLIVENHAIN MUNICIPAL WATER DISTRICT  
Statement of Net Position (Unaudited)  
All Funds  
4/30/2023

Deferred Inflows of Resources

Deferred amounts on pension	6,995,887
Deferred amounts on leases	9,796,852

Total deferred inflows of resources	<u>16,792,739</u>
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Net Position

Investment in Capital Assets, net of related debt	332,402,757
Restricted Net Position	11,133,553
Unrestricted Net Position	<u>70,079,069</u>
Total Net Position	<u>413,615,379</u> ✓

OLIVENHAIN MUNICIPAL WATER DISTRICT  
Statement of Revenues, Expenses and Changes in Net Position (Unaudited)  
All Funds  
For the Ten Months Ending 4/30/2023

	<u>2023</u>
Operating Revenues:	
Water Sales	\$43,454,166
Sewer Charges	5,290,377
Other Water Operating revenues	<u>649,899</u>
Total Operating Revenues	49,394,441
Operating Expenses	
Cost of Purchased Water Sold	24,137,964
Pumping and Water Treatment	3,539,933
Transmission and Distribution	3,802,920
Sewer Collection and Treatment	1,751,885
Elfin Forest Recreation Operations	341,277
Facilities Maintenance	1,028,546
Customer Service	1,612,105
General and Administrative	6,339,411
Depreciation and Amortization	<u>9,184,500</u>
Total Operating Expenses	51,738,541 ✓
Operating Income (Loss)	(2,344,100)
Nonoperating Revenues (Expenses)	
Investment income	1,611,836
Property taxes	4,254,546
Capacity charges	1,196,965
Benefit assessments	962,566
Other nonoperating revenues	679,194
Interest expense, net	(1,023,490)
Other nonoperating expenses	<u>(486,266)</u>
Total nonoperating revenues (expenses)	7,195,351
Income before capital contributions	<u>4,851,251</u>
Capital contributions	<u>1,438,742</u>
Change in net position	6,289,993
Net Position, Beginning of year	<u>407,325,385</u>
Net Position, End of year	<u><u>413,615,379</u></u> ✓



OLIVENHAIN MUNICIPAL WATER DISTRICT  
CONSOLIDATED STATEMENT OF CASH FLOWS (UNAUDITED)  
AS OF APRIL 30, 2023

**CASH FLOWS FROM OPERATING ACTIVITIES:**

Receipts from water and sewer customers	\$ 53,513,709
Payments for water	(26,672,775)
Payments for services and supplies	(6,019,130)
Payments for employee wages, benefits and related costs	(12,748,115)
<b>Net cash provided by operating activities</b>	<u>8,073,689</u>

**CASH FLOWS FROM NONCAPITAL AND RELATED FINANCING ACTIVITIES:**

Property taxes and benefit assessments received	<u>5,209,786</u>
<b>Net cash provided by noncapital and related financing activities</b>	<u>5,209,786</u>

**CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:**

Acquisition and construction of capital assets	(11,762,717)
Proceeds from Grants	253,028
Principal paid on long-term debt	(1,614,035)
Interest paid on long-term debt	(586,169)
Capacity charges received	1,196,965
Other capital financing receipts (expenses)	327,789
<b>Net cash used by capital and related financing activities</b>	<u>(12,185,139)</u>

**CASH FLOWS FROM INVESTING ACTIVITIES:**

Investment income received	<u>1,505,190</u>
<b>Net cash provided (used) by investing activities</b>	<u>1,505,190</u>

**Net increase (decrease) in cash and cash equivalents** 2,603,526

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

**Cash and cash equivalents, end of period** \$ 58,550,551 ✓

**FINANCIAL STATEMENT PRESENTATION:**

Cash and cash equivalents - current assets	46,214,396
Cash and cash equivalents - restricted assets	12,336,155
<b>Total cash and cash equivalents</b>	<u>\$ 58,550,551</u>

**CASH AND CASH EQUIVALENTS RECONCILIATION**

		Balance Includes Mkt Securities	Without Mkt Securities
Unrestricted cash	4/30/2023	80,636,133	46,214,396
Restricted cash	4/30/2023	14,667,874	12,336,155
<b>Total cash and cash equivalents</b>			<u>58,550,551</u>

OLIVENHAIN MUNICIPAL WATER DISTRICT  
Consolidated Actual vs Budget Summary  
For the Ten Months Ending 4/30/2023

	Approved Budget	Actual YTD	Budget YTD	Variance Amt	Variance %	Notes
<b>Operating Revenues</b>						
Commodity Water Sales	\$43,373,000.00	\$30,060,013.42	\$34,667,000.00	(\$4,606,986.58)	(13.3%)	1
Water Fees and Services	17,376,000.00	14,044,051.28	14,431,500.00	(387,448.72)	(2.7%)	2
Sewer Revenue	5,598,000.00	5,290,376.68	4,819,500.00	470,876.68	9.8%	3
<b>Total Operating Revenues</b>	<b>66,347,000.00</b>	<b>49,394,441.38</b>	<b>53,918,000.00</b>	<b>(4,523,558.62)</b>	<b>(8.4%)</b>	
<b>Operating Expenses</b>						
Purchased Water - Variable	23,798,000.00	17,064,518.29	19,106,800.00	2,042,281.71	10.7%	1
Purchased Water - Fixed	8,443,000.00	7,073,445.26	7,036,600.00	(36,845.26)	(0.5%)	
General Manager Dept	2,044,000.00	1,594,287.87	1,702,500.00	108,212.13	6.4%	4
Engineering Dept	2,428,000.00	1,719,104.75	2,025,000.00	305,895.25	15.1%	4
Finance Dept	1,633,000.00	1,272,300.32	1,361,100.00	88,799.68	6.5%	4
Customer Service Dept	3,003,000.00	2,214,934.36	2,503,860.00	288,925.64	11.5%	4
Human Resources Dept	783,000.00	659,825.09	652,880.00	(6,945.09)	(1.1%)	4
Water Operations and Maintenance Dept	11,774,500.00	8,861,891.87	9,810,690.00	948,798.13	9.7%	4
Parks Dept	478,000.00	374,210.77	399,660.00	25,449.23	6.4%	4
Other Operating Expenses	50,000.00		42,000.00	42,000.00	100.0%	
Sewer Operations and Maintenance Dept	2,974,000.00	2,484,895.75	2,479,220.00	(5,675.75)	(0.2%)	4
Recycled Water Operations Dept	1,287,000.00	953,699.83	1,074,700.00	121,000.17	11.3%	4
Paygo Transfers						
Water Operations	6,400,000.00	5,330,000.00	5,330,000.00		0.0%	
Sanitation Operations	1,590,000.00	1,330,000.00	1,330,000.00		0.0%	
Recycled Operations	2,200,000.00	1,830,000.00	1,830,000.00		0.0%	
Capitalized Operations Expenditures	(1,843,000.00)	(1,024,573.10)	(1,540,700.00)	(516,126.90)	33.5%	5
<b>Total Operating Expenses</b>	<b>67,042,500.00</b>	<b>51,738,541.06</b>	<b>55,144,310.00</b>	<b>3,405,768.94</b>	<b>6.2%</b>	
<b>Net Operating Income (Loss)</b>	<b>(695,500.00)</b>	<b>(2,344,099.68)</b>	<b>(1,226,310.00)</b>	<b>(1,117,789.68)</b>		
<b>Nonoperating Revenues</b>						
Water Funds	6,033,000.00	5,865,391.06	4,460,700.00	1,404,691.06	31.5%	6
Debt Service Funds	1,044,000.00	1,135,281.89	892,000.00	243,281.89	27.3%	7
Sewer Funds	32,000.00	100,524.80	27,000.00	73,524.80	272.3%	7
Recycled Water Funds	52,000.00	123,330.80	43,800.00	79,530.80	181.6%	7
<b>Total Nonoperating Revenue</b>	<b>7,161,000.00</b>	<b>7,224,528.55</b>	<b>5,423,500.00</b>	<b>1,801,028.55</b>	<b>33.2%</b>	
<b>Nonoperating Expense</b>						
Capacity Fee Funds	30,000.00	39,504.51	24,800.00	(14,704.51)	(59.3%)	
Debt Service Funds	1,569,000.00	1,092,739.68	1,307,500.00	214,760.32	16.4%	8
Potable Water Funds	610,000.00	377,511.40	508,000.00	130,488.60	25.7%	9
<b>Total Nonoperating Expense</b>	<b>2,209,000.00</b>	<b>1,509,755.59</b>	<b>1,840,300.00</b>	<b>330,544.41</b>	<b>18.0%</b>	
<b>Inc before Cap Fees and Capital Contributions</b>	<b>4,256,500.00</b>	<b>3,370,673.28</b>	<b>2,356,890.00</b>	<b>1,013,783.28</b>		
Capacity Fee Funds	356,000.00	1,480,578.26				
Capital contributions	1,897,000.00	1,438,741.89				
<b>Change in Net Position</b>		<b>6,289,993.43</b>				

OLIVENHAIN MUNICIPAL WATER DISTRICT  
Actual vs Budget Variance  
For the Ten Months Ending 4/30/2023

1. Water Sales revenue was lower than Budget YTD by approximately \$4.6 million resulting in an unfavorable variance of 13.3%. The negative variance is primarily due to lower water consumption than budgeted due to excessive amounts of rainfall throughout the winter months. Consequently, purchased water variable expenses were also lower than the Budget YTD for a favorable variance of \$2.0 million or 10.7%.
2. Water Fees and Services revenue were lower than Budget YTD primarily due to delays in selling excess treatment services to Vallecitos Water District (VWD) from the David C. McCollom Water Treatment Plant. The delays were due to the actual VWD's planned system shutdown being longer than assumed in the Budget YTD amount.
3. Sewer Revenue was greater than Budget YTD for a favorable variance due to the timing of receipts from the County. 4S Ranch and Rancho Cielo Sanitation Districts' sewer service fees are collected on the County's tax roll when customers pay their property tax to the County. Actual YTD sewer service revenue will be closer to the Budget YTD amount as the year progresses.
4. Actual departmental expenses varied from the Budget YTD amounts due to the timing of actual operating expenses. The Budget YTD amounts assume expenditures are incurred evenly throughout the year.
5. Actual Capitalized Operating Expenses were lower than the Budget YTD amount due to the timing of capitalized labor spent on District projects. Several District projects have been delayed due to supply chain issues on critical parts and construction delays which affected the timing of capitalized labor. Actual Capitalized Operating Expenses are expected to be lower than Budget YTD for the current fiscal year. Capitalized labor costs for any delayed projects have been accounted for in the Fiscal Year 2024 budget.
6. Actual Non-operating Revenues – Water Funds were greater than Budget YTD for a positive variance due to a higher amount of interest income earned on investments from increased yields on short-term investments, the timing of property tax revenues received from the County, and miscellaneous (non-recurring) income from non-operating activities, including the SDCWA refunds of \$499,000.
7. Actual Non-operating Revenues – Debt Service Funds, Sewer Funds, and Recycled Water Funds were greater than Budget YTD for a positive variance due to a higher amount of interest income earned on investments from increased yields on short-term investments.
8. Actual Non-operating Expenses - Debt Service Funds were lower than the Budget YTD amount for a positive variance because amortization of the issuance premium is not included in the 2015A Bonds interest expense.

OLIVENHAIN MUNICIPAL WATER DISTRICT  
Actual vs Budget Variance  
For the Ten Months Ending 4/30/2023

9. Actual Non-operating Expenses – Potable Water Funds were lower than the Budget YTD amount for a positive variance due to a lower amount of Rate Reimbursement Credits issued to customers than anticipated in the budget due to decreased consumption as stated in note 1 above.

**Construction Work In Progress Report as of 4/30/2023**

Project Name	Budget	Appropriation to Date	Expenditures & Encumbrance	(Over) / Under	
Replace Neighborhood 1 SPS	\$7,732,000	\$7,732,000	\$7,411,316	\$320,684	
Manchester Recyc PL Exten.	\$5,225,000	\$5,225,000	\$4,858,635	\$366,365	
San Dieguito Desalination	\$42,837,000	\$4,562,000	\$4,542,462	\$19,538	
HOA Pipeline Ext - CB, VP, SH	\$2,645,000	\$2,145,000	\$248,668	\$1,896,332	
RSFe Rd Unit A North PL	\$2,294,000	\$1,450,000	\$359,168	\$1,090,832	
Replace Pipelines	\$8,983,000	\$1,305,000	\$200,975	\$1,104,025	
Replace Valves	\$8,856,000	\$1,085,000	\$783,495	\$301,505	
DCMWTP 4th Stage Centrifuge	\$1,040,000	\$1,040,000	\$326,828	\$713,172	
Fixed Base AMI	\$2,416,000	\$853,000	\$662,554	\$190,446	
Replace DCMWTP Membranes	\$8,970,000	\$800,000	\$796,137	\$3,863	
Hydropower Turbine Refurb	\$800,000	\$800,000	\$471,216	\$328,784	
DCMWTP PH Control System	\$737,000	\$737,000	\$691,133	\$45,867	
DCMWTP Condition Assessment	\$660,000	\$660,000	\$626,615	\$33,385	
Replace Headworks Manual Sys	\$3,160,000	\$619,000	\$431,590	\$187,410	
Parking & Access Improvements	\$575,000	\$532,000	\$100,273	\$431,727	
Pot & Recycled Master Plan	\$583,000	\$438,000	\$420,243	\$17,757	
Residuals Handling Bldg Canopy	\$400,500	\$400,500	\$51,453	\$349,047	
Lone Jack PRS	\$385,000	\$385,000	\$398,144	(\$13,144)	(1) See note below
Replace Potable Meters	\$4,921,000	\$315,000	\$297,566	\$17,434	
DCMWTP Analyzer Replace.	\$305,000	\$305,000	\$296,558	\$8,442	
Steel Mains Protection	\$3,375,000	\$281,000	\$241,399	\$39,601	
District-Wide Scada Upgrades	\$256,000	\$256,000	\$7,847	\$248,153	
Backup Generator SFV RW Pump	\$250,000	\$250,000	-	\$250,000	
DCMWTP 2nd Stage Memb. Train	\$807,500	\$232,500	\$29,269	\$203,231	
Ext. 153 Flow Meter	\$385,000	\$230,000	\$75,810	\$154,190	
4SWRF Emergency Wiring Replmnt	\$224,000	\$224,000	\$134,931	\$89,069	
Network User Enhancements	\$200,000	\$200,000	\$169,560	\$30,440	
Village Park PRS	\$960,000	\$200,000	\$116,457	\$83,543	
Gardendale PRS	\$960,000	\$200,000	\$113,973	\$86,027	
Cielo SPS Flow Meters	\$443,000	\$193,000	\$19,003	\$173,997	
District-Wide PLC replacements	\$1,066,000	\$180,000	\$174,051	\$5,949	
District-Wide PLC Repl (WW)	\$901,000	\$180,000	\$187,752	(\$7,752)	(2) See note below
Rancho Cielo Pipeline Replmnt	\$831,000	\$173,000	-	\$173,000	
Collection System SPS Rehab	\$912,000	\$169,000	\$1,700	\$167,300	
Replace WW Pumps/ Motors/Equip	\$2,024,000	\$169,000	\$80,546	\$88,454	
Network Security	\$1,175,000	\$165,000	\$104,631	\$60,369	
Rancho La Cima/Aliso Canyon PL	\$300,000	\$165,000	\$63,152	\$101,848	
Golem 14" Pipeln Cond. Assess.	\$150,000	\$150,000	\$142	\$149,858	
Replace Meter Anodes	\$1,754,000	\$146,000	\$108,671	\$37,329	
Encinitas Blvd Insp. & Repair	\$682,000	\$145,000	\$725	\$144,275	
4S Ranch Pipe Replacement	\$660,000	\$136,000	-	\$136,000	
Chlorine Gen Rm Lining Rehab	\$125,000	\$125,000	\$3,399	\$121,601	
District-Wide Facility Securit	\$240,000	\$120,000	\$32,902	\$87,098	
SWPPP Facility Improvements	\$100,000	\$100,000	\$99,738	\$262	
Gaty II Safety Improvements	\$590,000	\$99,000	\$9,667	\$89,333	
Replace Pot. Pumps and Motors	\$1,022,000	\$94,000	\$64,017	\$29,983	
Palms I and II Reservoirs	\$1,307,000	\$73,000	\$72,785	\$215	
EFRR Parking Lot Repair	\$72,500	\$73,000	\$57,291	\$15,709	
4S WRF Scada Upgrades	\$64,000	\$64,000	\$677	\$63,323	
Recycled Conversions	\$719,000	\$60,000	\$66,799	(\$6,799)	(3) See note below
Replace PRS Valves	\$602,600	\$56,600	\$38,108	\$18,492	
Landscape HQ Courtyards	\$54,000	\$54,000	\$51,993	\$2,007	
Rancho Cielo Manhole Lining	\$586,000	\$48,000	-	\$48,000	
Pot. Office Furniture/Equip.	\$47,000	\$47,000	\$12,357	\$34,643	
Rehab Concrete Tanks	\$904,000	\$45,000	\$70,466	(\$25,466)	(4) See note below
Wanket RW Reservoir Rehab	\$150,000	\$43,000	\$4,846	\$38,154	
4S Physical Security Upgrades	\$210,000	\$40,000	\$525	\$39,475	
Catalytic Converter Theft Prev	\$38,000	\$38,000	\$835	\$37,165	
DCMWTP Backpulse Pipeln Repair	\$34,000	\$34,000	\$33,925	\$75	
Physical Security Upgrades	\$250,000	\$25,000	\$2,372	\$22,628	
Replace Overflow Pond Strainer	\$231,000	\$25,000	\$2,181	\$22,819	
Meter Replacement, Recycled	\$241,000	\$21,000	\$11,648	\$9,352	
Vault Upgrades	\$98,400	\$20,400	\$20,395	\$5	
4S System Manhole Lining	\$206,000	\$17,000	-	\$17,000	
WW Master Plan	\$110,000	\$10,000	\$4,177	\$5,823	
<b>Total:</b>	<b>\$130,581,500</b>	<b>\$36,765,000</b>	<b>\$26,265,750</b>	<b>\$10,499,250</b>	

**Notes:**

- (1) Overage is due to more staff labor on the project than anticipated to complete the project in a timely manner. Overage is within the manager approval limit.
- (3) Overage includes \$39K in encumbrances expected to be spent in FY 2024. Project will receive \$1.1M in additional appropriations in FY 2024 bringing the project back within budget.
- (3) Overage is due to more staff labor on the project than anticipated due to increased permitting and regulatory requirements from DDW. Overage is within the manager approval limit.
- (4) Project overage due to encumbrance from prior fiscal year that was not rolled forward. More work carried over from the prior fiscal than staff anticipated. Overage within manager approval limit.

# Memo

Date: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Paul Martinez, Engineering Services Supervisor  
Via: Kimberly A. Thorner, General Manager  
Subject: **CONSIDER APPROVAL OF PRIVATE ENCROACHMENT PERMIT NO. 423 FOR SAN DIEGUITO UNION HIGH SCHOOL DISTRICT TO INSTALL CONDUIT FOR PHOTOVOLTAIC SOLAR SYSTEM THROUGH OMWD EASEMENT 668 LOCATED AT 2150 VILLAGE PARK WAY AND ORDER THE PERMIT BE RECORDED**

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## Purpose

The purpose of this agenda item is to consider approval to enter into an Encroachment Permit Agreement with San Dieguito Union High School District. The proposed installation of electrical conduit falls within the property at APN 257-050-81-00 and encroaches upon OMWD's Easement No. 668. Approval would additionally authorize the General Manager to sign the Encroachment Permit on behalf of OMWD for recording by the County of San Diego Recorder's Office.

## Recommendation

Staff recommends approval of Encroachment Permit No. 423 and authorization for the General Manager to sign the permit on behalf of OMWD.

### **Alternative(s)**

The Board could direct staff to not allow the proposed encroachment or proceed in a manner otherwise directed.

### **Background**

The proposed encroachment consists of allowing the San Dieguito Union High School District to construct an electrical conduit to support a new photovoltaic solar system through OMWD's 20-foot Easement No. 668, located on Assessor Parcel 257-050-81-00 and within Director Division 3 (Guerin).

### **Fiscal Impact**

There is no fiscal impact to OMWD in approving Encroachment Permit No. 423, and the applicant has already paid the encroachment permit application fee. The Encroachment Permit Agreement stipulates that the permittee is responsible for all costs incurred to remove and rebuild any encroaching facilities should OMWD need access to its facilities within the easement for any reason whatsoever.

### **Discussion**

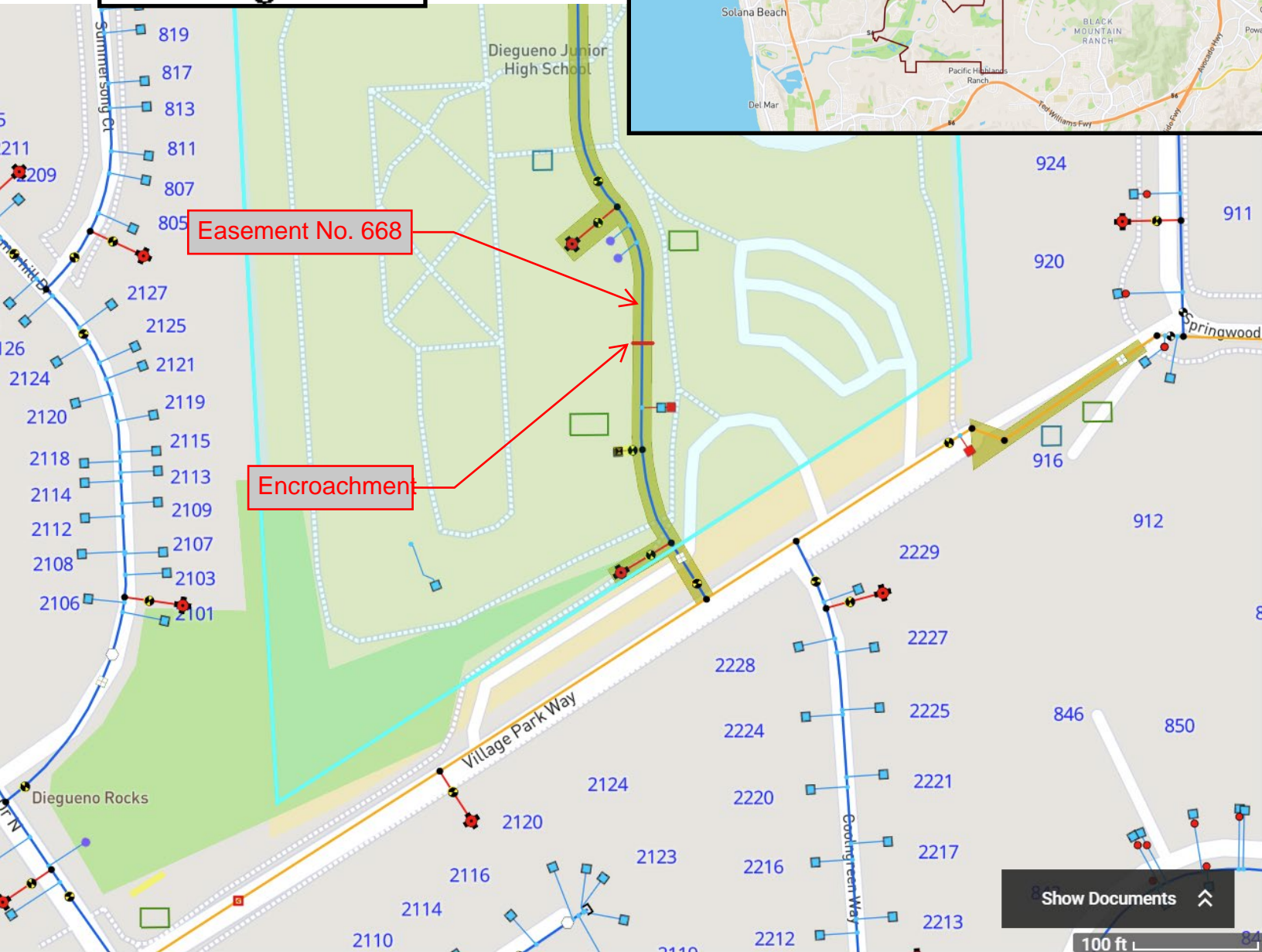
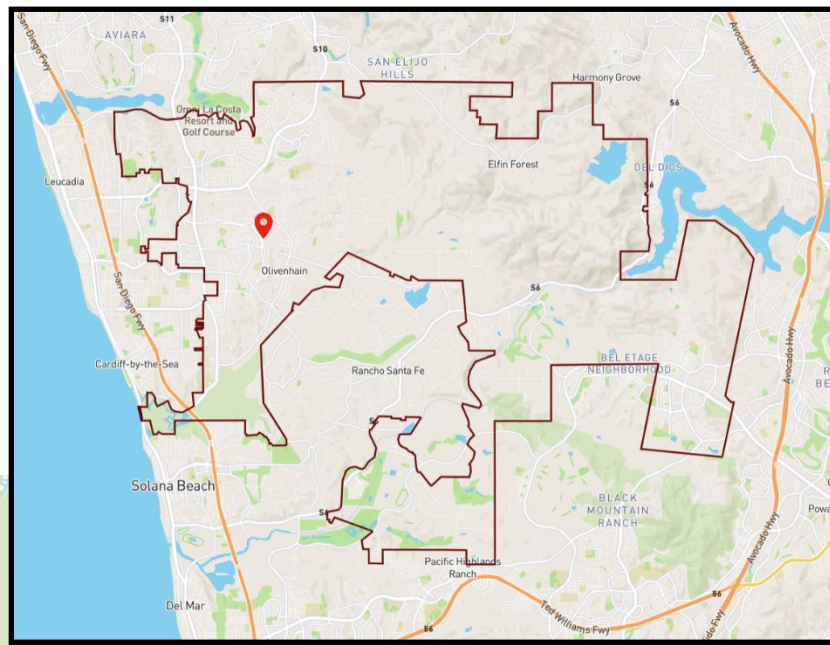
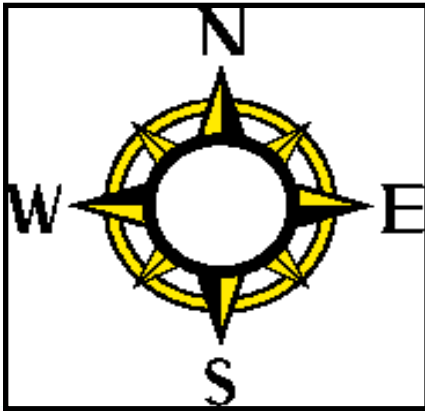
The proposed encroachment will be constructed in a manner that will not unduly affect OMWD's daily operations or maintenance of facilities located within the easement. A copy of the Encroachment Permit is attached for review, and staff recommends approval.

Staff is available to answer any questions.

#### *Attachments:*

*Location map*

*Encroachment Permit Agreement No. 423*



**ENCROACHMENT PERMIT 423**  
**DISTRICT PROJECT NO. W430060**



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

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

(This space for recorder's use)  
A.P.N. No. 257-050-81-00

**OLIVENHAIN MUNICIPAL WATER DISTRICT  
PRIVATE ENCROACHMENT PERMIT AGREEMENT NO. 423**

THIS ENCROACHMENT PERMIT No. 423 (hereinafter "Agreement") entered into by and between the OLIVENHAIN MUNICIPAL WATER DISTRICT organized and existing pursuant to the Municipal Water District Act of 1911, California Water Code §71000, et seq. (hereinafter "DISTRICT"), and SAN DIEGUITO UNION HIGH SCHOOL DISTRICT, (hereinafter "PERMITTEE").

**R-E-C-I-T-A-L-S**

1. The DISTRICT presently holds title to an easement as more particularly described in the DISTRICT's document no. 668, recorded November 7<sup>th</sup>, 1984, as File/Page 84-420396, Official Records, San Diego County, not attached hereto, but incorporated herein by reference.
2. PERMITTEE desires to encroach upon this easement.
3. PERMITTEE is the owner of property described in Exhibit "A" attached hereto.
4. The parties agree that PERMITTEE shall be entitled to encroach upon this easement only to the extent and in the manner specified in this Agreement. No other encroachments shall be allowed without the express prior written consent of the DISTRICT.

## **C-O-V-E-N-A-N-T-S**

1. **Permission to Encroach on Easement:** PERMITTEE is hereby granted permission to encroach upon the easement referred to above in the manner specified in Exhibit "B" subject to all conditions specified in Exhibit "B" and subject to all terms of this Agreement.

2. **Limitations of Rights Granted to PERMITTEE:** Rights being granted to PERMITTEE in accordance with this Agreement shall extend only to such rights as the DISTRICT may grant to PERMITTEE in accordance with the terms of the easement presently held by DISTRICT. PERMITTEE shall be solely responsible for verifying that the rights being granted by DISTRICT may be granted to PERMITTEE in accordance with the terms of the DISTRICT's easement.

3. **Construction of Encroachment:** PERMITTEE shall be solely responsible for all fees, costs, and expenses of whatever type or nature associated with construction of the encroachment. The DISTRICT shall be notified at least forty-eight (48) hours prior to commencement of construction of the encroachment and shall be permitted to inspect and approve all encroachment construction. All encroachment construction shall be carried out as specified by the DISTRICT, in its sole discretion.

3.1. PERMITTEE shall pay all costs of the DISTRICT's, including, but not limited to, the costs of inspection, administration, legal fees, and engineering relating to the construction and exercise of permission granted to PERMITTEE by this Agreement.

4. **Maintenance of Encroachment Facilities and Area:** PERMITTEE shall maintain the encroachment facilities and encroachment area at all times in a safe, sanitary, and good condition at PERMITTEE's sole cost and expense. PERMITTEE shall promptly perform all maintenance and repair of the facilities and encroachment area requested by the DISTRICT from time to time, in its sole discretion.

5. **Protection of DISTRICT Facilities in Encroachment Area:** All facilities of the DISTRICT in the encroachment area shall be protected by PERMITTEE as directed by the DISTRICT from time to time, in its sole discretion.

6. **Payment for all Damages and Expenses Caused by Encroachment:** PERMITTEE shall pay for all damages, of whatever type or nature, which may occur to the DISTRICT'S easement or

facilities within the easement as a result of construction, maintenance, use, repair, removal, or relocation of PERMITTEE's facilities.

6.1. PERMITTEE shall also pay for all fees and costs incurred by the DISTRICT to remove, demolish, or relocate PERMITTEE's facilities in order to repair, maintain, replace, relocate, or remove DISTRICT's facilities in the easement or to install new facilities in the easement as the DISTRICT may determine in its sole discretion.

6.2. Should the DISTRICT determine that PERMITTEE's facilities must be relocated, as the DISTRICT may determine in its sole discretion, PERMITTEE shall pay all fees and costs to remove and relocate these facilities.

6.3. All such payments shall be made within thirty (30) consecutive days following receipt of a written demand from the DISTRICT. The written demand shall specify the amount due and the type of losses or expenses incurred. Any amounts not received by the DISTRICT within this thirty (30) consecutive day period shall earn interest at the maximum rate authorized by California law.

7. **Indemnity:** PERMITTEE hereby agrees to hold harmless, defend and indemnify the DISTRICT and its agents, servants, employees, consultants, and officers from any and all claims, actions, liability, losses, costs, damage, or expense of whatever type or nature to any persons, entities, or property caused by, or claimed to be caused, in whole or in part, by the construction, maintenance, repair, replacement or use of the encroachment facilities or encroachment areas except claims caused by the sole active negligence or intentional misconduct of the DISTRICT or its agents or employees. This indemnity shall include all DISTRICT's attorney's fees, expert fees and costs, and court costs if the DISTRICT is named as a party in any litigation related to the encroachment.

8. **DISTRICT not Liable for Damage to Encroachment or Encroachment Area:** The DISTRICT shall not be liable for any damages whatsoever to the encroachment facilities or encroachment area related in any way to the DISTRICT's continued use of the easement or as a result of the DISTRICT's construction, use, repair, replacement, or relocation of any DISTRICT facilities within the easement.

9. **Other Uses Forbidden:** PERMITTEE is limited to the specific encroachment area and facilities granted by this Agreement. No other encroachment is permitted without the express prior written consent of the DISTRICT.

**10. Prior Rights:** This Agreement shall not alter, modify, or terminate, in any way, any of the prior rights of DISTRICT to use of the easement in accordance with its terms. PERMITTEE shall not be considered as acquiring any permanent interest of any kind or nature in the easement which is inconsistent with the rights of the DISTRICT.

**11. General Conditions:** The encroachment shall be subject to each of the following general conditions (where applicable):

11.1. The existing ground level over the DISTRICT's underground facilities shall not be changed without the prior written consent of the DISTRICT.

11.2. A minimum vertical clearance of one (1) foot shall be maintained between the DISTRICT's underground facilities and the approved underground encroachment facilities.

11.3. A horizontal clearance of ten (10) feet shall be maintained between the DISTRICT's underground facilities and the approved underground encroachment facilities.

11.4. The vertical and horizontal clearance to be maintained between the DISTRICT's facilities and the above ground encroachment facilities shall be determined at the sole discretion of the DISTRICT.

11.5. No blasting shall be permitted without prior inspection and approval of the DISTRICT.

11.6. Heavy equipment is not permitted on the easement without DISTRICT notification and approval.

11.7. A lock shall be provided by the district to allow for district access as needed.

**12. Termination:** Violation of any of the terms of this Agreement by PERMITTEE shall constitute a material breach of this Agreement entitling the DISTRICT to unilaterally terminate this Agreement by written notice to PERMITTEE, in addition to all other relief afforded by applicable law. Upon receipt of notice of termination from the DISTRICT, PERMITTEE shall promptly remove all encroachment facilities and restore the encroachment area in the manner directed by the DISTRICT, in its

sole discretion. All fees, costs, and expenses of removal and restoration shall be paid solely by PERMITTEE.

13. **Agreement as Covenant Running with Land and Binding on Successors**: The parties expressly agree that this Agreement shall be construed as a valid and binding equitable servitude and covenant running with the land which shall be binding upon the heirs, personal representatives, successors, assigns, or transferees of the parties hereto. The parties expressly waive the right to challenge the enforceability of this Agreement as a legal and binding equitable servitude and covenant running with the land in any subsequent arbitration or litigation between the parties or their successors.

14. **Attorney's Fees**: In the event of any legal or equitable proceeding to enforce or interpret the terms or conditions of this Agreement, the prevailing party shall be entitled to all reasonable attorney fees and court costs in addition to such other relief as may be afforded by applicable law.

15. **Law Applied**: The validity, interpretation, construction, and performance of this Agreement shall be construed under the laws of the State of California and the applicable rules and regulations of the DISTRICT.

16. **Venue**: In the event of any arbitration or litigation to interpret or enforce the terms of this Agreement, venue shall lie only in the state or federal courts in or nearest to the North County Judicial District, County of San Diego, State of California.

17. **No Warranties**: There are no warranties or representations of any kind being made.

18. **Modification**: This Agreement shall not be altered in whole or in part except by a modification in writing executed by both parties to this Agreement.

19. **Meaning of "PERMITTEE"**: The word PERMITTEE as used in this Agreement shall mean the PERMITTEE or any person or entity deriving any interest in this encroachment permit from PERMITTEE or its successors-in-interest.

20. **Attorney Representation**: The PERMITTEE acknowledges that this Agreement has been prepared by the Law Offices of Nossaman LLP, who represents only the DISTRICT. The PERMITTEE is hereby notified to seek the advice of independent counsel concerning this Agreement and its terms.

PERMITTEE acknowledges that PERMITTEE has had the opportunity to do so prior to executing this Agreement.

21. **Effective Date**: The effective date of this permit is \_\_\_\_\_, 20 \_\_\_\_.

22. **Board of Director's Approval**: This Agreement is executed by the DISTRICT pursuant to Board action of \_\_\_\_\_, 20\_\_\_\_.

**“DISTRICT”**

OLIVENHAIN MUNICIPAL WATER DISTRICT

Dated: \_\_\_\_\_, 20\_\_\_\_

By: \_\_\_\_\_  
Kimberly A. Thorner  
General Manager

**“PERMITTEE”**

San Dieguito Union High School District

Dated: \_\_\_\_\_, 20\_\_\_\_

By: \_\_\_\_\_  
John Addleman  
Executive Director of Planning Services

\*PERMITTEE’S SIGNATURE MUST BE NOTARIZED WITH NOTARY SEAL.

**EXHIBIT "A"**  
**Sheet 1 of 1**

**Legal Description**

**PARCEL A:**

THAT PORTION OF LOT 20 OF RANCHO LAS ENCINITAS, IN THE CITY OF ENCINITAS, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 848 FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY CORNER OF SAID LOT 20; THENCE ALONG THE EASTERLY LINE THEREOF, SOUTH 02° 58' 34" EAST 993.32 FEET TO AN INTERSECTION WITH THE NORTHEASTERLY PROLONGATION OF THAT PORTION OF THE NORTHWESTERLY BOUNDARY OF PARCEL MAP NO. 1122, FILED IN THE OFFICE OF COUNTY RECORDER OF SAN DIEGO COUNTY, HAVING A BEARING OF NORTH 57° 30' 00" EAST; THENCE ALONG SAID PROLONGATION, SOUTH 57° 30' 00" WEST 840.84 FEET; THENCE NORTH 02° 30' 10" WEST 1413.67 FEET TO THE NORTHERLY LINE OF SAID LOT 20; THENCE ALONG SAID NORTHERLY LINE NORTH 87° 29' 50" EAST 720.00 FEET TO THE POINT OF BEGINNING.

EXCEPT THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF SAN DIEGO, A POLITICAL SUBDIVISION, AS SET FORTH AND DESCRIBED BY THAT CERTAIN DOCUMENT RECORDED AUGUST 2, 1984 AS INSTRUMENT NO. 84-294380, OF OFFICIAL RECORDS.

**EXHIBIT “B”**  
**Sheet 1 of 3**

1. **Encroachment Facilities:**

- A. Please see Exhibit ‘B’ sheet 2 of 3 and 3 of 3 for details regarding path of construction through easement.

2. **Encroachment Area:**

The encroachment facilities encroach upon District Easement No. 668 as shown on Exhibit ‘C’ sheet 1 of 1.

3. **Special Conditions of Encroachment:**

A. No facilities other than those identified in this encroachment permit shall be placed within the DISTRICT’s easement without the DISTRICT’s prior written approval.

B. The DISTRICT shall not be responsible for the placement of encroaching facilities placed within the easement area should they be required to be removed for installation, construction, repair, relocation or maintenance of DISTRICT facilities or any other work undertaken at the sole discretion of the DISTRICT.

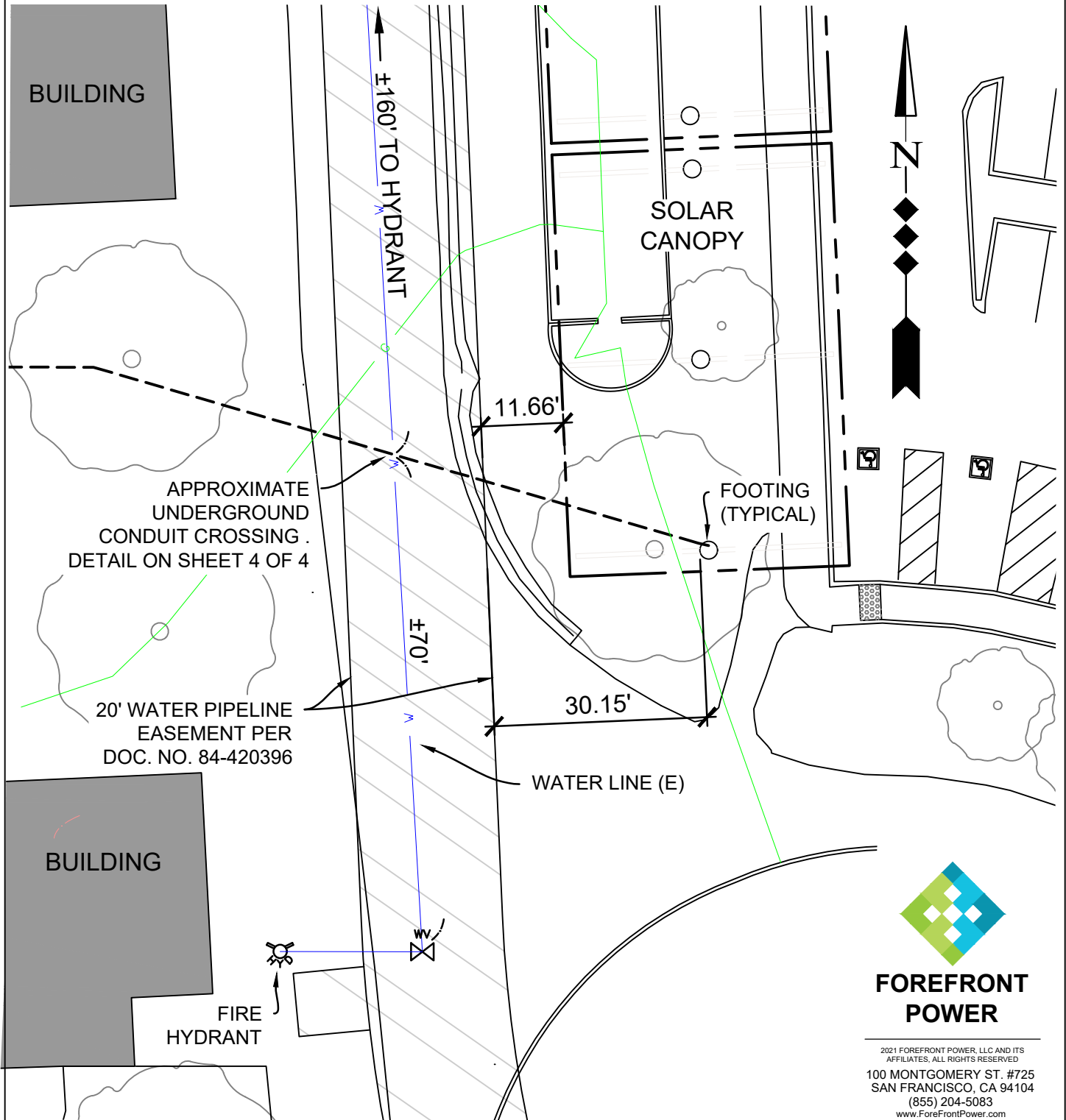
C. No work may begin or proceed without direction of DISTRICT’s Inspector. Contractor shall notify the DISTRICT inspections department 48 hours prior to the beginning of work to arrange for inspection of the project. The Contractor must call "Dig Alert of Southern California" to have underground service utilities located prior to construction. This call will be made at least 48 hours in advance prior to any work being performed in public right-of-way. (Dig Alert phone: 800-227-2600).



# EXHIBIT B

## ENCROACHMENT PERMIT EXHIBIT

### ENCROACHMENT PLAN VIEW



**FOREFRONT  
POWER**

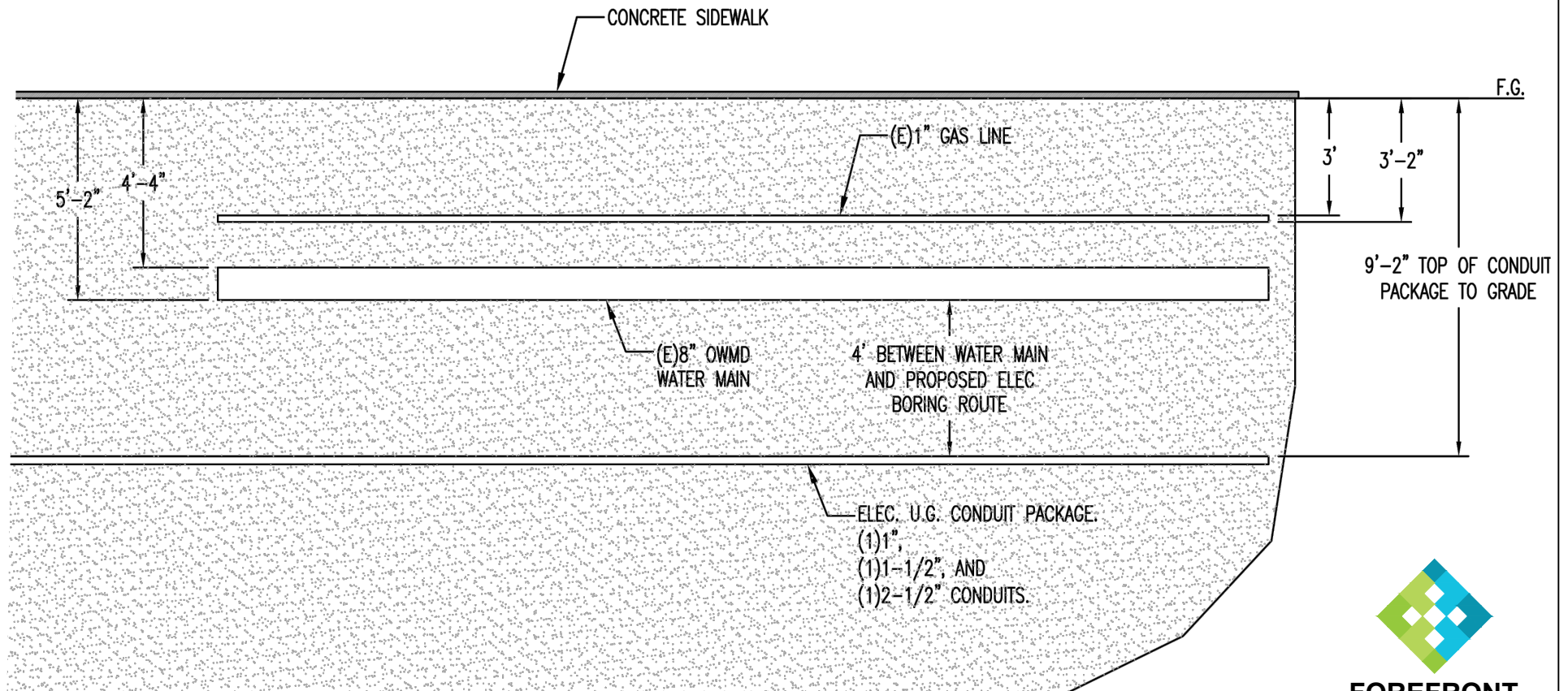
2021 FOREFRONT POWER, LLC AND ITS  
AFFILIATES, ALL RIGHTS RESERVED  
100 MONTGOMERY ST. #725  
SAN FRANCISCO, CA 94104  
(855) 204-5083  
[www.ForeFrontPower.com](http://www.ForeFrontPower.com)

PROJECT NUMBER:	CA-21-0207
SCALE:	1"=20'
SHEET NO.:	3 OF 4

# EXHIBIT B

## ENCROACHMENT PERMIT EXHIBIT CROSSING ELEVATION VIEW

Exhibit B  
Sheet 3 of 3



### NOTE:

1. THE ELEVATION VIEW SHOWN ABOVE IS THE RESULT OF A POTHOLING EFFORT ON 4/12/23
2. THE PROPOSED ELECTRIC CONDUIT PACKAGE WILL BE PLACED VIA DIRECTIONAL BORING



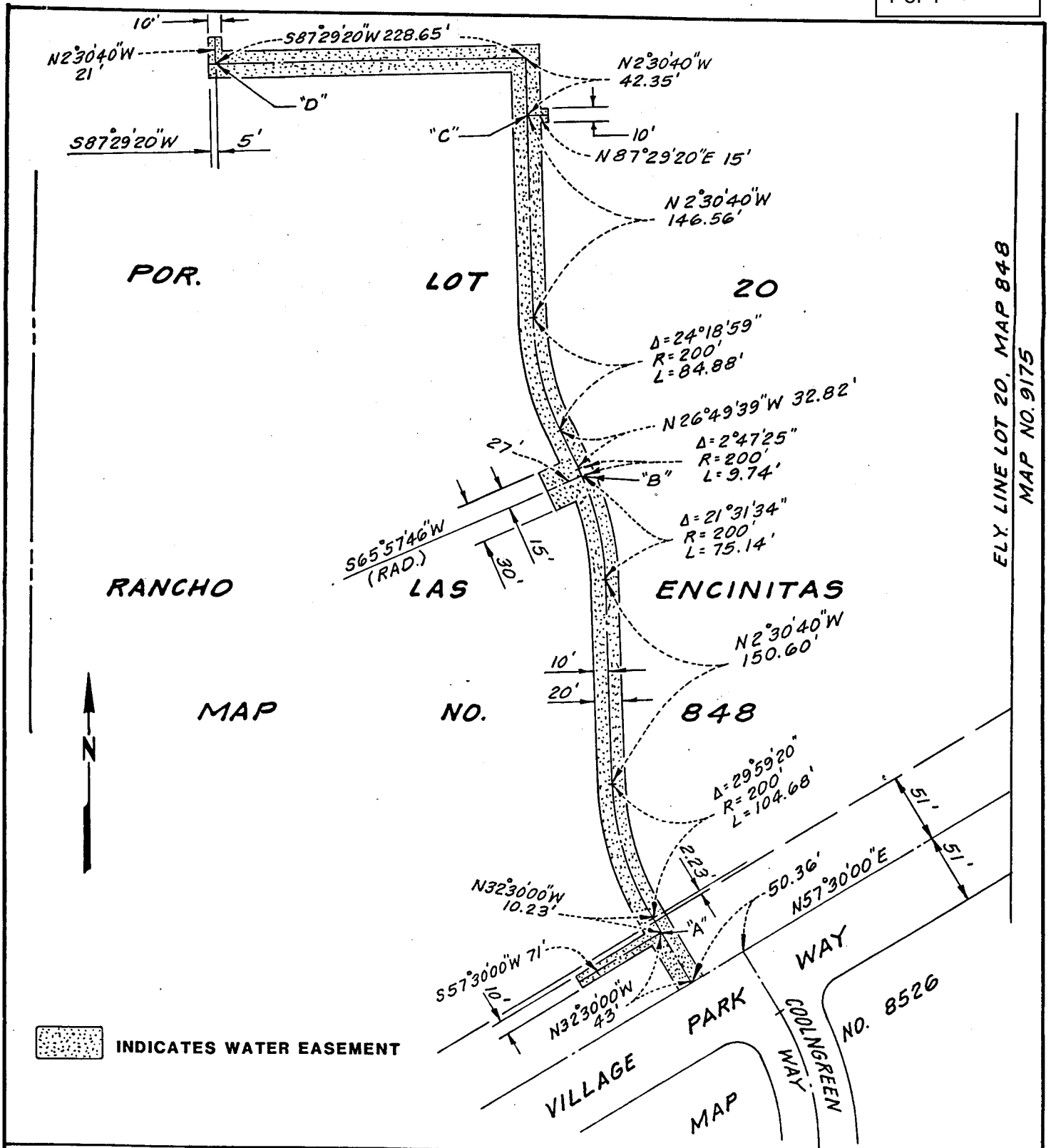
**FOREFRONT  
POWER**

2021 FOREFRONT POWER, LLC AND ITS  
AFFILIATES, ALL RIGHTS RESERVED  
100 MONTGOMERY ST. #725  
SAN FRANCISCO, CA 94104  
(855) 204-5083  
www.ForeFrontPower.com

PROJECT NUMBER:  
CA-21-0207

SCALE:  
1"=4'

SHEET NO.:  
4 OF 4



E00668-6

# Memo

Date: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Paul Martinez, Engineering Services Supervisor  
Via: Kimberly A. Thorner, General Manager  
Subject: **CONSIDER APPROVAL OF PRIVATE ENCROACHMENT PERMIT NO. 424 FOR NICOLAS BIANCAMANO TO CONSTRUCT A FENCE WITH GATED ACCESS THROUGH OMWD EASEMENTS 531 AND 769 LOCATED AT 16510 FRANZEN FARMS ROAD AND ORDER THE PERMIT BE RECORDED**

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## Purpose

The purpose of this agenda item is to consider approval to enter into an Encroachment Permit Agreement with Nicolas Biancamano. The proposed fence and gates fall within the property at APN 267-142-05-00 and encroach upon OMWD's Easement No. 531 and Easement No. 769. Approval would additionally authorize the General Manager to sign the Encroachment Permit on behalf of OMWD for recording by the County of San Diego Recorder's Office.

## Recommendation

Staff recommends approval of Encroachment Permit No. 424 and authorization for the General Manager to sign the permit on behalf of OMWD.

### **Alternative(s)**

The Board could direct staff to not allow the proposed encroachment or proceed in a manner otherwise directed.

### **Background**

The proposed encroachment consists of allowing the parcel owner to construct a fence and 4 gates through Easements No. 531 and No. 769 located on Assessor Parcel 267-142-05-00, owned by Nicolas Biancamano and within Director Division 1 (San Antonio).

### **Fiscal Impact**

There is no fiscal impact to OMWD in approving Encroachment Permit No. 424, and the applicant has already paid the encroachment permit application fee. The Encroachment Permit Agreement stipulates that the permittee is responsible for all costs incurred to remove and rebuild any encroaching facilities should OMWD need access to its facilities within the easement for any reason whatsoever. OMWD access will be provided via daisy chain with OMWD lock provided at all 4 locations.

### **Discussion**

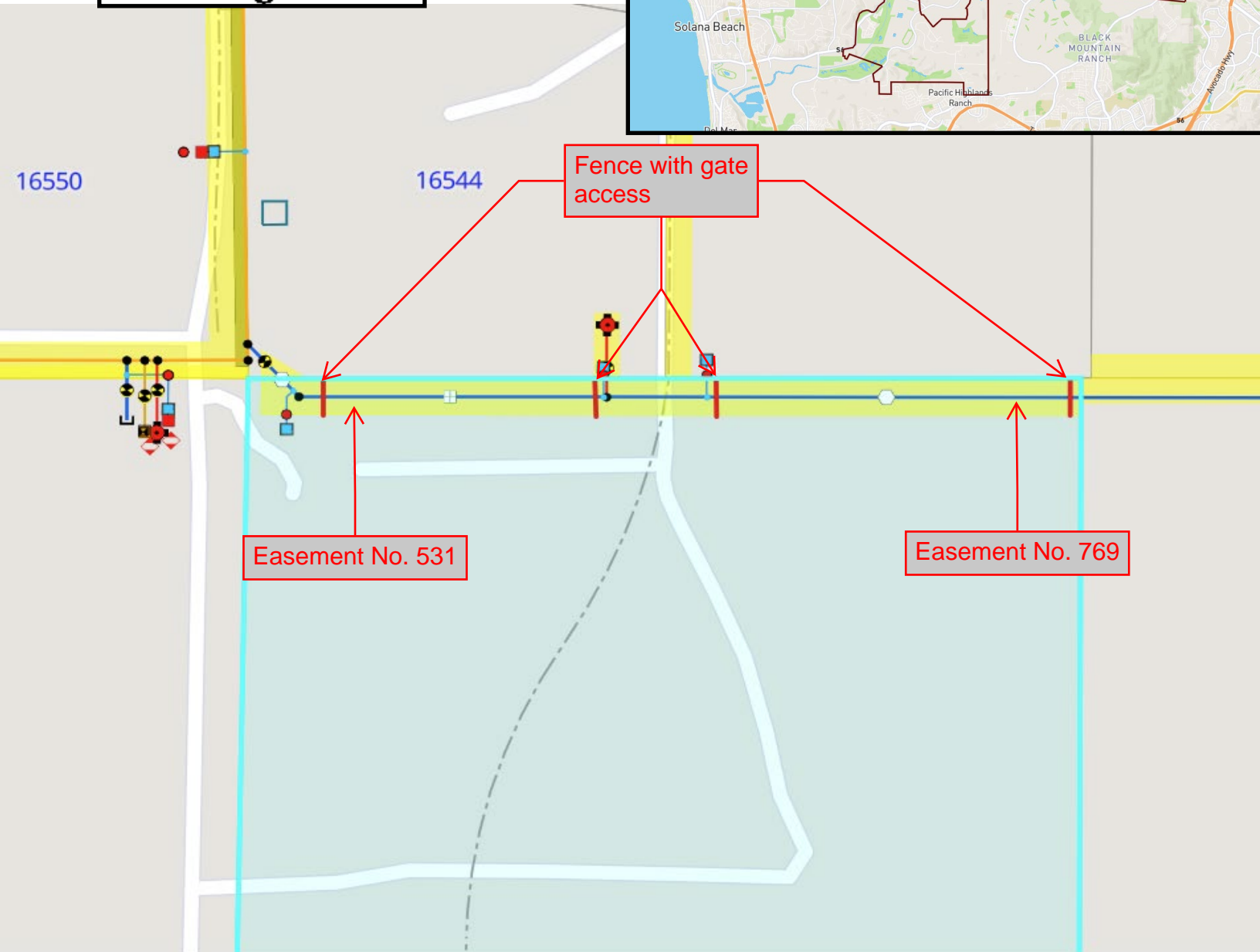
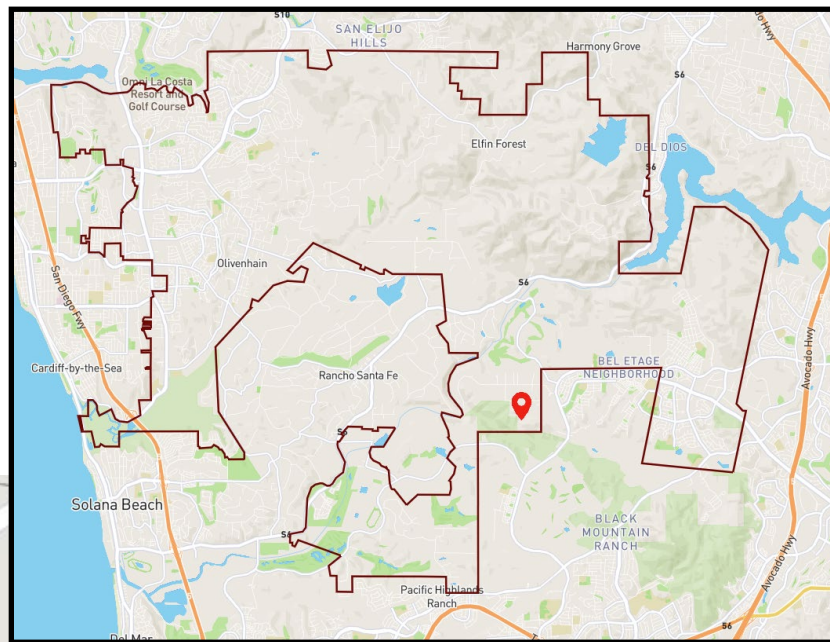
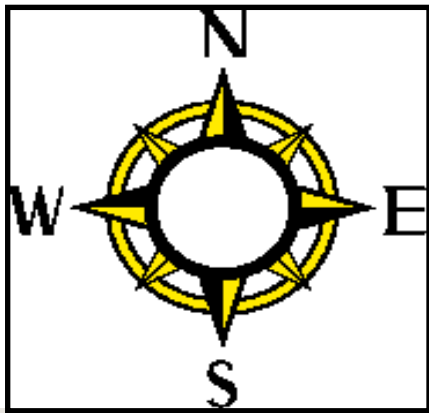
The proposed encroachment will be constructed in a manner that will not unduly affect OMWD's daily operations or maintenance of facilities located in the easement. A copy of the Encroachment Permit is attached for review, and staff recommends approval.

Staff is available to answer any questions.

*Attachments:*

*Location map*

*Encroachment Permit Agreement No. 424*



**ENCROACHMENT PERMIT 424**  
**16510 FRANZEN FARMS RD**  
**DISTRICT PROJECT NO. W430061**

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

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

(This space for recorder's use)  
A.P.N. No. 267-142-05-00

**OLIVENHAIN MUNICIPAL WATER DISTRICT  
PRIVATE ENCROACHMENT PERMIT AGREEMENT NO. 424**

THIS ENCROACHMENT PERMIT No. 424 (hereinafter "Agreement") entered into by and between the OLIVENHAIN MUNICIPAL WATER DISTRICT organized and existing pursuant to the Municipal Water District Act of 1911, California Water Code §71000, et seq. (hereinafter "DISTRICT"), and NICOLAS BIANCAMANO, (hereinafter "PERMITTEE").

**R-E-C-I-T-A-L-S**

1. The DISTRICT presently holds title to easements as more particularly described in the DISTRICT's document no. 531, recorded December 17<sup>th</sup>, 1980, as File/Page 80-423812, and document no. 769, recorded August 15<sup>th</sup>, 1988, as File/Page 88-402106, Official Records, San Diego County, not attached hereto, but incorporated herein by reference.
2. PERMITTEE desires to encroach upon these easements.
3. PERMITTEE is the owner of property described in Exhibit "A" attached hereto.
4. The parties agree that PERMITTEE shall be entitled to encroach upon these easements only to the extent and in the manner specified in this Agreement. No other encroachments shall be allowed without the express prior written consent of the DISTRICT.

## **C-O-V-E-N-A-N-T-S**

1. **Permission to Encroach on Easement:** PERMITTEE is hereby granted permission to encroach upon the easements referred to above in the manner specified in Exhibit “B” subject to all conditions specified in Exhibit “B” and subject to all terms of this Agreement.

2. **Limitations of Rights Granted to PERMITTEE:** Rights being granted to PERMITTEE in accordance with this Agreement shall extend only to such rights as the DISTRICT may grant to PERMITTEE in accordance with the terms of the easement presently held by DISTRICT. PERMITTEE shall be solely responsible for verifying that the rights being granted by DISTRICT may be granted to PERMITTEE in accordance with the terms of the DISTRICT’s easements.

3. **Construction of Encroachment:** PERMITTEE shall be solely responsible for all fees, costs, and expenses of whatever type or nature associated with construction of the encroachment. The DISTRICT shall be notified at least forty-eight (48) hours prior to commencement of construction of the encroachment and shall be permitted to inspect and approve all encroachment construction. All encroachment construction shall be carried out as specified by the DISTRICT, in its sole discretion.

3.1. PERMITTEE shall pay all costs of the DISTRICT’s, including, but not limited to, the costs of inspection, administration, legal fees, and engineering relating to the construction and exercise of permission granted to PERMITTEE by this Agreement.

4. **Maintenance of Encroachment Facilities and Area:** PERMITTEE shall maintain the encroachment facilities and encroachment area at all times in a safe, sanitary, and good condition at PERMITTEE’s sole cost and expense. PERMITTEE shall promptly perform all maintenance and repair of the facilities and encroachment area requested by the DISTRICT from time to time, in its sole discretion.

5. **Protection of DISTRICT Facilities in Encroachment Area:** All facilities of the DISTRICT in the encroachment area shall be protected by PERMITTEE as directed by the DISTRICT from time to time, in its sole discretion.

6. **Payment for all Damages and Expenses Caused by Encroachment:** PERMITTEE shall pay for all damages, of whatever type or nature, which may occur to the DISTRICT’S easements or



facilities within the easements as a result of construction, maintenance, use, repair, removal, or relocation of PERMITTEE's facilities.

6.1. PERMITTEE shall also pay for all fees and costs incurred by the DISTRICT to remove, demolish, or relocate PERMITTEE's facilities in order to repair, maintain, replace, relocate, or remove DISTRICT's facilities in the easement or to install new facilities in the easement as the DISTRICT may determine in its sole discretion.

6.2. Should the DISTRICT determine that PERMITTEE's facilities must be relocated, as the DISTRICT may determine in its sole discretion, PERMITTEE shall pay all fees and costs to remove and relocate these facilities.

6.3. All such payments shall be made within thirty (30) consecutive days following receipt of a written demand from the DISTRICT. The written demand shall specify the amount due and the type of losses or expenses incurred. Any amounts not received by the DISTRICT within this thirty (30) consecutive day period shall earn interest at the maximum rate authorized by California law.

7. **Indemnity:** PERMITTEE hereby agrees to hold harmless, defend and indemnify the DISTRICT and its agents, servants, employees, consultants, and officers from any and all claims, actions, liability, losses, costs, damage, or expense of whatever type or nature to any persons, entities, or property caused by, or claimed to be caused, in whole or in part, by the construction, maintenance, repair, replacement or use of the encroachment facilities or encroachment areas except claims caused by the sole active negligence or intentional misconduct of the DISTRICT or its agents or employees. This indemnity shall include all DISTRICT's attorney's fees, expert fees and costs, and court costs if the DISTRICT is named as a party in any litigation related to the encroachment.

8. **DISTRICT not Liable for Damage to Encroachment or Encroachment Area:** The DISTRICT shall not be liable for any damages whatsoever to the encroachment facilities or encroachment area related in any way to the DISTRICT's continued use of the easement or as a result of the DISTRICT's construction, use, repair, replacement, or relocation of any DISTRICT facilities within the easement.

9. **Other Uses Forbidden:** PERMITTEE is limited to the specific encroachment area and facilities granted by this Agreement. No other encroachment is permitted without the express prior written consent of the DISTRICT.

**10. Prior Rights:** This Agreement shall not alter, modify, or terminate, in any way, any of the prior rights of DISTRICT to use of the easement in accordance with its terms. PERMITTEE shall not be considered as acquiring any permanent interest of any kind or nature in the easement which is inconsistent with the rights of the DISTRICT.

**11. General Conditions:** The encroachment shall be subject to each of the following general conditions (where applicable):

11.1. The existing ground level over the DISTRICT's underground facilities shall not be changed without the prior written consent of the DISTRICT.

11.2. A vertical clearance of one (1) foot shall be maintained between the DISTRICT's underground facilities and the approved underground encroachment facilities.

11.3. A horizontal clearance of ten (1) feet shall be maintained between the DISTRICT's underground facilities and the approved underground encroachment facilities.

11.4. The vertical and horizontal clearance to be maintained between the DISTRICT's facilities and the above ground encroachment facilities shall be determined at the sole discretion of the DISTRICT.

11.5. No blasting shall be permitted without the prior inspection and approval of the DISTRICT.

11.6. Heavy equipment is not permitted on the easement without DISTRICT notification and approval.

11.7. A lock shall be provided by the DISTRICT on all 4 gates and daisy chained. DISTRICT shall be allowed access as needed at their sole discretion.

**12. Termination:** Violation of any of the terms of this Agreement by PERMITTEE shall constitute a material breach of this Agreement entitling the DISTRICT to unilaterally terminate this Agreement by written notice to PERMITTEE, in addition to all other relief afforded by applicable law. Upon receipt of notice of termination from the DISTRICT, PERMITTEE shall promptly remove all encroachment facilities and restore the encroachment area in the manner directed by the DISTRICT, in its

sole discretion. All fees, costs, and expenses of removal and restoration shall be paid solely by PERMITTEE.

13. **Agreement as Covenant Running with Land and Binding on Successors**: The parties expressly agree that this Agreement shall be construed as a valid and binding equitable servitude and covenant running with the land which shall be binding upon the heirs, personal representatives, successors, assigns, or transferees of the parties hereto. The parties expressly waive the right to challenge the enforceability of this Agreement as a legal and binding equitable servitude and covenant running with the land in any subsequent arbitration or litigation between the parties or their successors.

14. **Attorney's Fees**: In the event of any legal or equitable proceeding to enforce or interpret the terms or conditions of this Agreement, the prevailing party shall be entitled to all reasonable attorney fees and court costs in addition to such other relief as may be afforded by applicable law.

15. **Law Applied**: The validity, interpretation, construction, and performance of this Agreement shall be construed under the laws of the State of California and the applicable rules and regulations of the DISTRICT.

16. **Venue**: In the event of any arbitration or litigation to interpret or enforce the terms of this Agreement, venue shall lie only in the state or federal courts in or nearest to the North County Judicial District, County of San Diego, State of California.

17. **No Warranties**: There are no warranties or representations of any kind being made.

18. **Modification**: This Agreement shall not be altered in whole or in part except by a modification in writing executed by both parties to this Agreement.

19. **Meaning of "PERMITTEE"**: The word PERMITTEE as used in this Agreement shall mean the PERMITTEE or any person or entity deriving any interest in this encroachment permit from PERMITTEE or its successors-in-interest.

20. **Attorney Representation**: The PERMITTEE acknowledges that this Agreement has been prepared by the Law Offices of Nossaman LLP, who represents only the DISTRICT. The PERMITTEE is hereby notified to seek the advice of independent counsel concerning this Agreement and its terms.

PERMITTEE acknowledges that PERMITTEE has had the opportunity to do so prior to executing this Agreement.

21. **Effective Date**: The effective date of this permit is \_\_\_\_\_, 20 \_\_\_\_.

22. **Board of Director's Approval**: This Agreement is executed by the DISTRICT pursuant to Board action of \_\_\_\_\_, 20\_\_\_\_.

**“DISTRICT”**

OLIVENHAIN MUNICIPAL WATER DISTRICT

Dated: \_\_\_\_\_, 20\_\_\_\_

By: \_\_\_\_\_  
Kimberly A. Thorne  
General Manager

**“PERMITTEE”**

Nicolas Biancamano

Dated: \_\_\_\_\_, 20\_\_\_\_

By: \_\_\_\_\_  
Nicolas Biancamano

\*PERMITTEE’S SIGNATURE MUST BE NOTARIZED WITH NOTARY SEAL.

**EXHIBIT "A"**  
**Sheet 1 of 1**

**Legal Description**

**PARCEL 1:**

THE EAST HALF OF THE NORTHWEST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF SECTION 26, TOWNSHIP 13 SOUTH, RANGE 3 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF.

**PARCEL 2:**

AN EASEMENT AND RIGHT OF WAY FOR ROAD, SEWER, GAS, POWER AND TELEPHONE LINES AND APPURTENANCES, THERETO OVER, UNDER, ALONG AND ACROSS THE EASTERLY 30.00 FEET OF PARCEL MAP NO. 7008 AND THE EASTERLY 30 FEET OF PARCEL MAP NO. 8049 AND THE WESTERLY 30.00 FEET OF PARCELS 2 AND 4 OF PARCEL MAP NO. 2075, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF ON FILE IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, BEING A DIVISION OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 13 SOUTH, RANGE 3 WEST, SAN BERNARDINO MERIDIAN, TO OFFICIAL RECORDS. SAID EASEMENT IS FULLY SET FORTH AND SUBJECT TO THE TERMS AND PROVISIONS CONTAINED IN THAT CERTAIN "INDIVIDUAL GRANT DEED" RECORDED ON AUGUST 16, 1988 AS INSTRUMENT NO. 88-402670 OF OFFICIAL RECORDS.

**EXHIBIT “B”**  
**Sheet 1 of 3**

1. **Encroachment Facilities:**

- A. Please see Exhibit ‘B’ sheet 2 of 3 and 3 of 3 for details regarding path of construction through easement.

2. **Encroachment Area:**

The encroachment facilities encroach upon District Easement No. 531 as shown on Exhibit ‘C’ sheet 1 of 2 and District Easement No. 769 sheet 2 of 2.

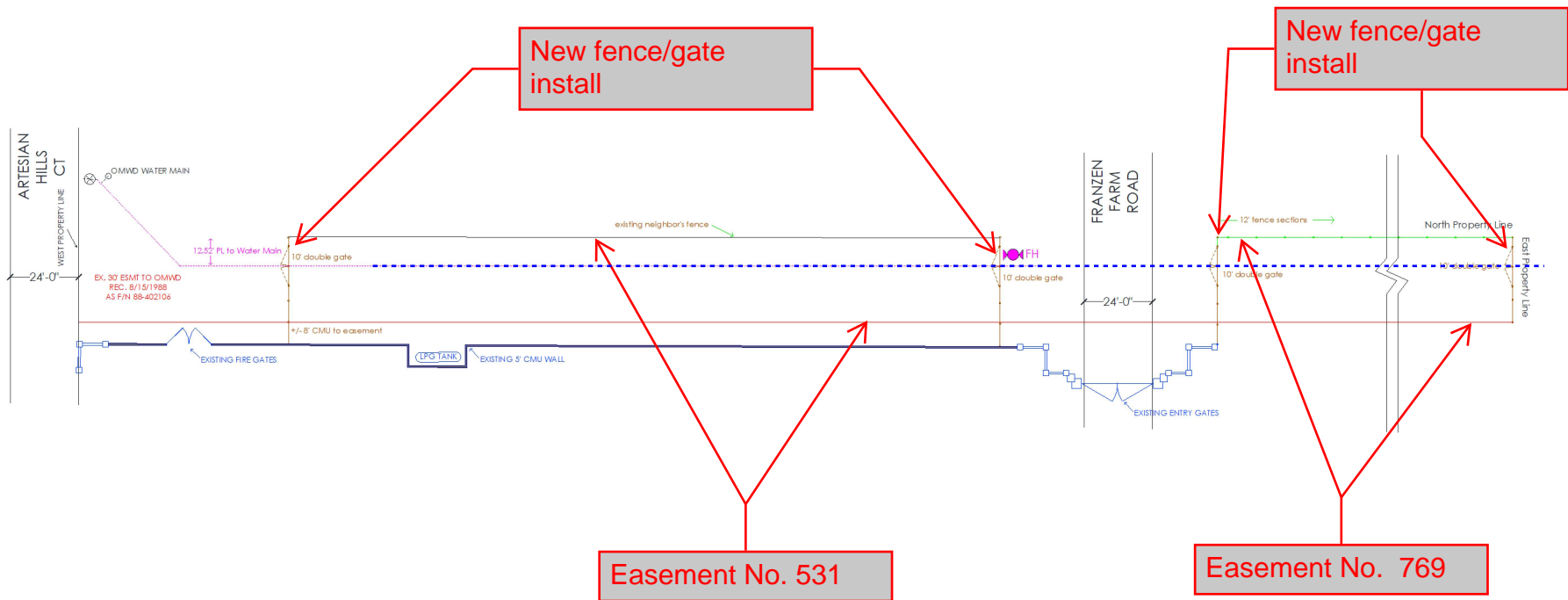
3. **Special Conditions of Encroachment:**

A. No facilities other than those identified in this encroachment permit shall be placed within the DISTRICT’s easements without the DISTRICT’s prior written approval.

B. The DISTRICT shall not be responsible for the placement of encroaching facilities placed within the easement area should they be required to be removed for installation, construction, repair, relocation or maintenance of DISTRICT facilities or any other work undertaken at the sole discretion of the DISTRICT.

C. No work may begin or proceed without direction of DISTRICT’s Inspector. Contractor shall notify the DISTRICT inspections department 48 hours prior to the beginning of work to arrange for inspection of the project. The Contractor must call "Dig Alert of Southern California" to have underground service utilities located prior to construction. This call will be made at least 48 hours in advance prior to any work being performed in public right-of-way. (Dig Alert phone: 800-227-2600).

Exhibit B  
2 of 3



**RICK SOMERS & ASSOCIATES**  
DEVELOPMENT SERVICES  
LIC.# 483856, 28272  
P.O. Box 230473  
San Diego, CA 92163  
(760) 822-4302  
rsc@rsm.com

PROJECT DEVELOPER

PROJECT DEVELOPER

Biancamano Residence  
16510 Franzen Farm Rd  
San Diego, CA 92127  
FENCE - SITEPLAN

NOT TO SCALE

REVISIONS

DATE 5/17/2023

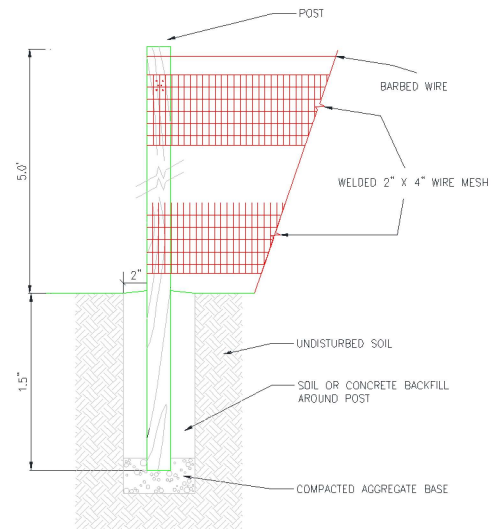
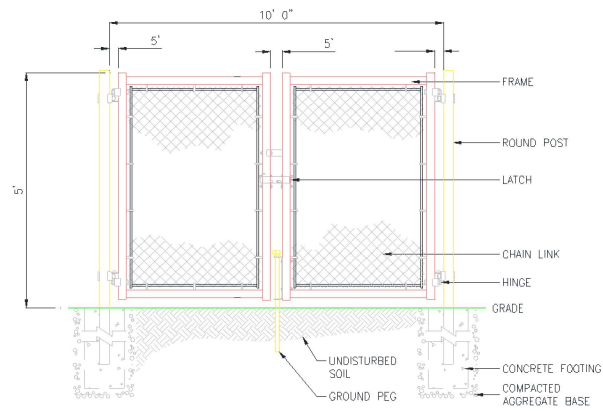
DESIGNER

PROJECT FENCE

SHEET NUMBER

A-1

## Exhibit B 3 of 3

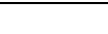
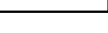
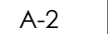
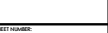
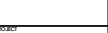
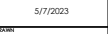
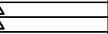
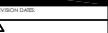
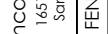
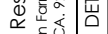
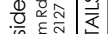


### NOTES:

- ALL NAILS AND HARDWARE TO BE HOT DIPPED GALVANIZED
- BARBED WIRE AND WIRE MESH TO BE GALVANIZED AND FASTENED TO STRINGERS WITH 3/4" U STAPLES
- PRESSURE TREATED ROUND POSTS TO BE 3.5"W X 6.5"H
- BROWN STAINED WOOD
- CORNER POSTS TO BE SET IN CONCRETE
- INLINE POSTS TO BE SET IN DIRT
- CHICKEN WIRED GATE WITH OPENING CENTERLINE ON PIPELINE (10' WIDTH)



**RICK SOMERS & ASSOCIATES**  
DEVELOPMENT SERVICES  
LIC.# 483856, 28272  
P.O. Box 230473  
Bakersfield, CA 93323  
(760) 822-4302  
rick@rsums.com



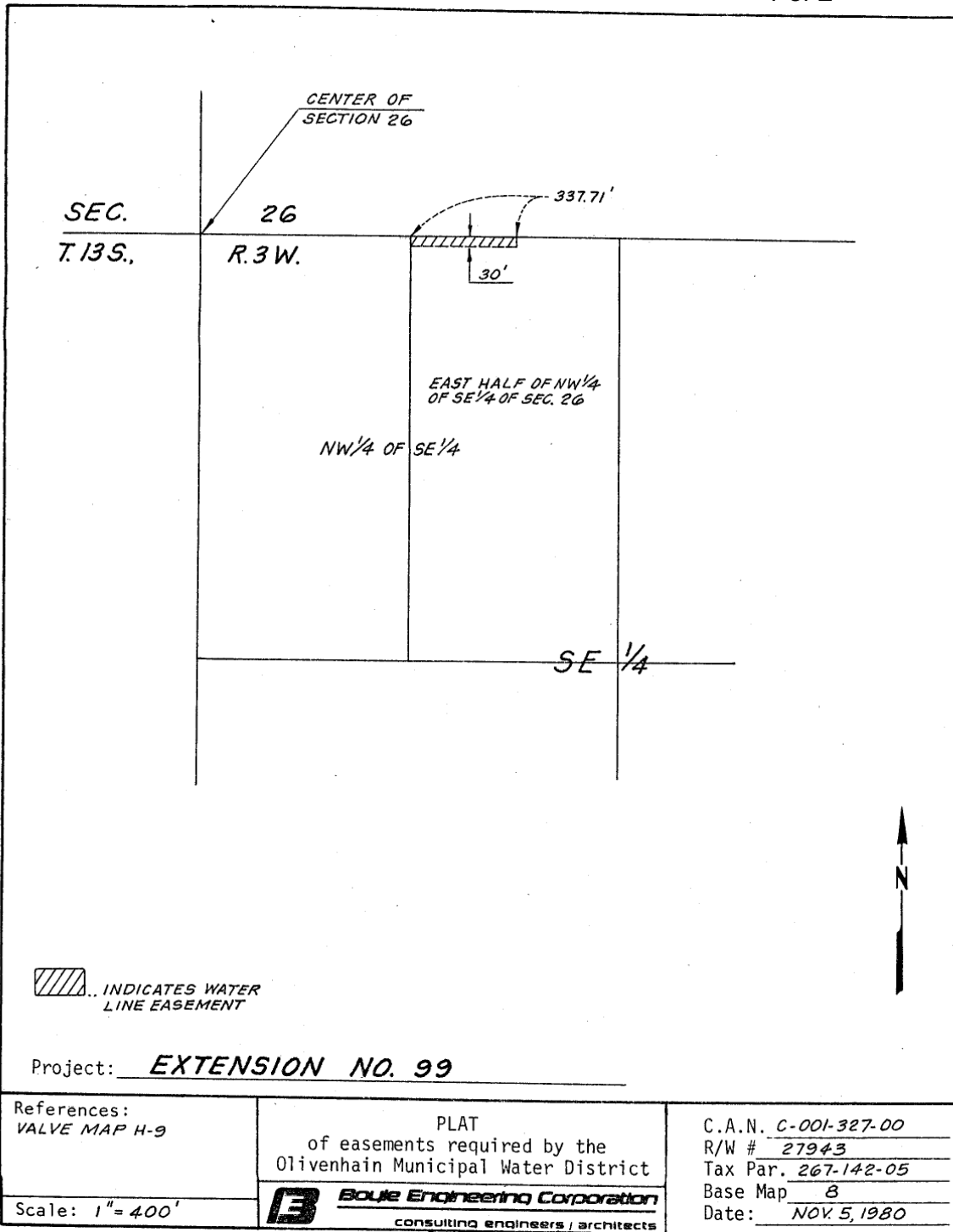
Biancamano Residence  
16510 Franzen Farm Rd  
San Diego, CA 92127  
FENCING - DETAILS

PROJECT NUMBER: A-2  
DATE: 5/17/2023  
DRAWN: A-2  
CHECKED: A-2  
APPROVED: A-2

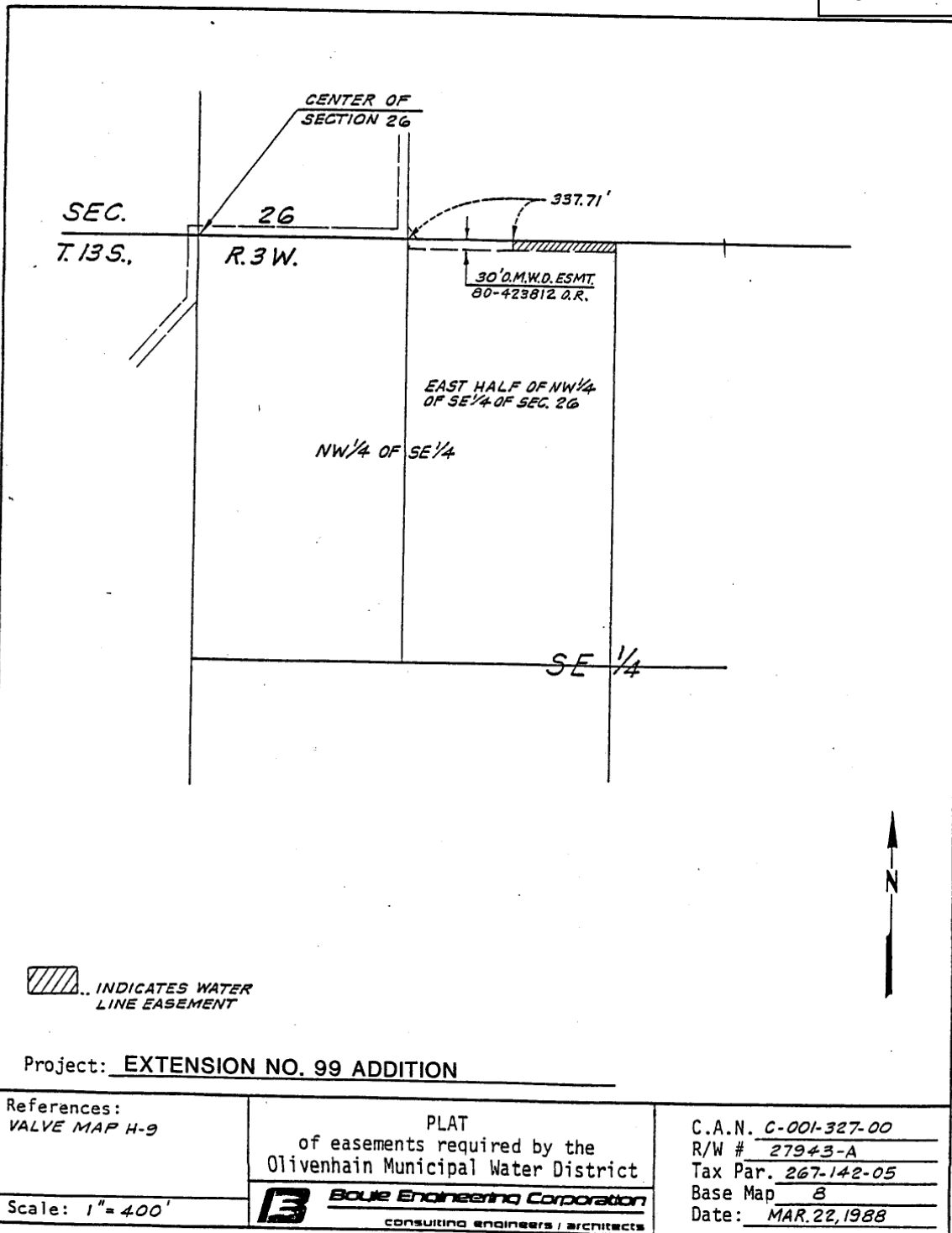
PROJECT: FENCE

SHEET NUMBER: A-2





E00531-5



E00769-4

# Memo

Date: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Kimberly A. Thorner, General Manager  
Subject: **CONSIDER PARTICIPATION ON ASSOCIATION OF CALIFORNIA WATER AGENCIES COMMITTEES FOR THE 2024-2025 TERM**

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## **Purpose**

This item invites participation on the Association of California Water Agencies' committees for the 2024-2025 term.

## **Recommendation**

Staff would support any director interested in participating on ACWA's committees for the 2024-2025 term.

## **Alternative(s)**

The board could decide against participating at this time.

## **Background**

ACWA considers its committees to be an integral part of its activities and policy development, providing key technical and policy input to its Board of Directors and bringing together expertise and perspectives from across the state.

Committee members are appointed for two-year terms that begin on January 1 of even-numbered years. Directors or salaried staff members of ACWA member agencies are eligible to participate. Eligible individuals interested in serving on committees are encouraged to submit a committee consideration form; each individual may express consideration for up to three committees.

## **Fiscal Impact**

There is no cost associated with submitting a consideration form. Should an OMWD representative be selected as a committee member, OMWD would be responsible for the cost of travel for up to 12 meetings each year.

## **Discussion**

Available committees are listed below. Detailed descriptions of each committee are available in the attachment.

- Agriculture
- Business Development
- Communications
- Energy
- Federal Affairs
- Finance
- Groundwater
- Legal Affairs
- Local Government
- Membership
- State Legislative
- Water Management
- Water Quality

Should any director(s) also wish to participate on ACWA's committees, a consideration form must be submitted by September 30, 2023. ACWA's region chairs and vice chairs

will make recommendations in November for committee appointments, and ACWA's president will make the committee appointments in December.

*Attachments:*

*ACWA Committee Packet with Committee Consideration Form*



## JOIN A COMMITTEE AND GET INVOLVED

ACWA has 13 standing committees that members can join and get involved. This is a great way for members to engage in state and local issues and influence policy and legislation. Committees are structured to include representation from all 10 ACWA Regions, bringing together diverse voices on technical and policy matters. **Take action, join a committee!**

### COMMITTEE APPOINTMENT PROCESS TIMELINE

#### 2024 - 2025 TERM

Committee consideration forms emailed to member agency general managers and board presidents.

28

JUNE

Region Chair and Vice Chair recommendation deadline.

9

NOV

Incoming ACWA President appoints members of committees.

13

DEC

30

SEPT

All completed consideration forms due.  
*Any consideration submitted after deadline will be put on a waiting list.*

29

NOV

Region recommendations given to incoming ACWA President.

31

DEC

ACWA notifies committee members of appointments and rosters posted on [acwa.com](http://acwa.com).

# COMMITTEE COMPOSITION

Committee members are appointed for two-year terms that begin on Jan. 1 of even-numbered years. You can learn more about ACWA's 13 standing committees below. For more information and bylaws, visit [www.acwa.com](http://www.acwa.com). If you have any questions, please contact Region and Member Engagement Specialist Ana Javid at [anaj@acwa.com](mailto:anaj@acwa.com).

Committee	Description	Composition	Meetings Per Year	Liaison
Agriculture	<ul style="list-style-type: none"> <li>Makes recommendations to the Board of Directors, State Legislative Committee, Federal Affairs Committee or other committees, as appropriate, regarding agricultural issues affecting the interests of ACWA and its members.</li> </ul>	Unlimited	4	<b>Stephen Pang</b> State Relations Advocate <a href="mailto:stephenp@acwa.com">stephenp@acwa.com</a>
Business Development	<ul style="list-style-type: none"> <li>Develops and recommends to the Board of Directors programs and activities to be provided or administered by the association that generate non-dues revenue and provide a service or benefit to association members.</li> </ul>	Unlimited	2	<b>Joseph Ramos</b> Business Development Representative <a href="mailto:josephr@acwa.com">josephr@acwa.com</a>
Communications	<ul style="list-style-type: none"> <li>Develops and recommends to the Board of Directors and ACWA staff regarding communications and public affairs programs.</li> <li>Promotes sound public information and education programs and practices among member agencies.</li> <li>Prepares and distributes materials for use by member agencies in their local outreach efforts.</li> <li>Provides input and guidance to ACWA's Communications Department.</li> </ul>	Limited to 40	4	<b>Heather Engel</b> Director of Communications <a href="mailto:heathere@acwa.com">heathere@acwa.com</a>
Energy	<ul style="list-style-type: none"> <li>Recommends policies and programs to the Board of Directors, the State Legislative Committee and the Federal Affairs Committee as appropriate.</li> </ul>	Unlimited	4	<b>Nick Blair</b> State Relations Advocate <a href="mailto:nickb@acwa.com">nickb@acwa.com</a>
Federal Affairs	<ul style="list-style-type: none"> <li>Coordinates with other ACWA committees regarding input on federal issues before both Congress and the federal administrative branches.</li> </ul>	Limited to 5 per Region	2	<b>David Reynolds</b> Director of Federal Relations <a href="mailto:davidr@acwa.com">davidr@acwa.com</a>
Finance	<ul style="list-style-type: none"> <li>Makes recommendations to the Board of Directors regarding annual budgets, investment strategies, annual audits and auditor selection, dues formula and schedule, and other financial matters.</li> </ul>	Limited to 2 per Region (1 Region Chair/ Vice Chair and 1 with financial experience)	4 - 5	<b>Dan Gumpert</b> Controller <a href="mailto:dang@acwa.com">dang@acwa.com</a>
Groundwater	<ul style="list-style-type: none"> <li>Makes recommendations to the Board of Directors on groundwater policy issues.</li> <li>Monitors state and federal regulations and legislation affecting the quality and management of groundwater.</li> <li>Conducts studies and gathers data on groundwater issues.</li> <li>Develops policies regarding groundwater management.</li> <li>Coordinates with other committees on groundwater issues.</li> </ul>	Unlimited	4	<b>Soren Nelson</b> State Relations Advocate <a href="mailto:sorenn@acwa.com">sorenn@acwa.com</a>

Committee	Description	Composition	Meetings Per Year	Liaison
Legal Affairs	<ul style="list-style-type: none"> <li>Acts on requests for assistance on legal matters of significance to ACWA member agencies.</li> <li>Reviews proposed ACWA bylaw revisions and works with staff to produce publications to assist member agencies in complying with state and federal laws.</li> <li>Files amicus curiae filing on important cases, comments on proposed regulations and guidelines of state agencies such as the Fair Political Practices Commission and monitors and engages in water rights matters of interest to member agencies.</li> </ul>	Limited to 45	2 - 3	<b>Kris Anderson</b> State Relations Advocate <a href="mailto:krisa@acwa.com">krisa@acwa.com</a>
Local Government	<ul style="list-style-type: none"> <li>Makes recommendations to the Board of Directors and the State Legislative Committee on local government matters affecting water agencies, including planning issues, local government organization, and finance.</li> <li>Gathers and disseminates information on the value of special districts, and shares information promoting excellence in local government service delivery.</li> </ul>	Limited to 3 per Region	2	<b>Julia Hall</b> Legislative Relations Manager <a href="mailto:juliah@acwa.com">juliah@acwa.com</a>
Membership	<ul style="list-style-type: none"> <li>Makes recommendations to the Board of Directors regarding membership policies, eligibility and applications for membership.</li> <li>Assists staff in developing membership recruitment and retention programs and reviews and makes recommendations to the Finance Committee regarding an equitable dues structure.</li> </ul>	Unlimited	2	<b>Katie Dahl</b> Member Services Manager <a href="mailto:katied@acwa.com">katied@acwa.com</a>
State Legislative	<ul style="list-style-type: none"> <li>Reviews relevant introduced and amended legislation, and develops positions and provides recommendations to the Board of Directors on ballot measures and other major statewide policy issues.</li> <li>Works with staff amendments to bills and provides direction for staff on legislative matters.</li> </ul>	Limited to 4 per Region	10 - 12	<b>Adam Quiñonez</b> Director of State Relations <a href="mailto:adamq@acwa.com">adamq@acwa.com</a>
Water Management	<ul style="list-style-type: none"> <li>Makes recommendations to the Board of Directors on policy and programs related to water management.</li> <li>Reviews and recommends positions on legislation and regulations as requested by other committees.</li> <li>Assists in gathering and disseminating information regarding agricultural and urban water management, water conservation and water use efficiency, development and use of water resources, wastewater treatment and water recycling and reuse.</li> </ul>	Limited to 4 per Region	4	<b>Chelsea Haines</b> Regulatory Relations Manager <a href="mailto:chelseah@acwa.com">chelseah@acwa.com</a>
Water Quality	<ul style="list-style-type: none"> <li>Makes recommendations to the Board of Directors, the State Legislative Committee and the Federal Affairs Committee on policy and programs regarding water quality issues.</li> <li>Promotes cost-effective state and federal water quality regulations and provides a forum for members to work together to develop and present unified comments on water quality regulations.</li> <li>Develops and recommends positions and testimony on water quality regulatory issues.</li> </ul>	Unlimited	4	<b>Nick Blair</b> State Relations Advocate <a href="mailto:nickb@acwa.com">nickb@acwa.com</a>

TO GET INVOLVED, SUBMIT YOUR CONSIDERATION FORM NOW!





# COMMITTEE CONSIDERATION FORM

PLEASE PRINT LEGIBLY

Agency Name (DO NOT use acronyms or abbreviations)		ACWA Region #
Agency Address	City, State & Zip	Phone

**BELOW PLEASE LIST ALL THOSE INTERESTED IN BEING ON ACWA COMMITTEES FOR YOUR AGENCY.  
FOR ADDITIONAL RECOMMENDATIONS PLEASE FILL OUT ANOTHER FORM.**

*\*If an individual is not an agency employee or director, please indicate company affiliation.*

Name	Title/Company*	Email Address
Committee 1st Choice	Committee 2nd Choice	Committee 3rd Choice
Name	Title/Company*	Email Address
Committee 1st Choice	Committee 2nd Choice	Committee 3rd Choice
Name	Title/Company*	Email Address
Committee 1st Choice	Committee 2nd Choice	Committee 3rd Choice
Name	Title/Company*	Email Address
Committee 1st Choice	Committee 2nd Choice	Committee 3rd Choice
Name	Title/Company*	Email Address
Committee 1st Choice	Committee 2nd Choice	Committee 3rd Choice
Name	Title/Company*	Email Address
Committee 1st Choice	Committee 2nd Choice	Committee 3rd Choice

Signature (Agency/District General Manager or Board President signature required)	Title	Date
---	-------	------

*Committee member contact information will be shared on the committee roster and is to be used for committee business only.*

## QUESTIONS?

Contact [acwacommittees@acwa.com](mailto:acwacommittees@acwa.com)  
or (916) 441-4545

980 9th Street, Suite 1000  
Sacramento, CA 95814  
[www.acwa.com](http://www.acwa.com)

# Memo

Date: July 19, 2023

To: Olivenhain Municipal Water District Board of Directors

From: Steven Weddle, Engineering Services Supervisor

Via: Kimberly A. Thorner, General Manager

Subject: **CONSIDER DETERMINATION OF APPARENT LOW BIDDER AS NONRESPONSIVE, AWARD A CONTRACT WITH EXARO TECHNOLOGIES CORPORATION IN THE AMOUNT OF \$348,480 FOR THE LUSARDI PHASE III CATHODIC PROTECTION REPLACEMENT PROJECT, APPROPRIATE AN ADDITIONAL \$80,000 TO THE PROJECT BUDGET, AND AUTHORIZE THE GENERAL MANAGER TO SIGN ON BEHALF OF OMWD**

---

## Purpose

The purpose of this agenda item is to consider a determination that the apparent low bidder, Farwest Corrosion Control Company (Farwest), was nonresponsive and to award a contract with Exaro Technologies Corporation (Exaro) in the amount of \$348,480 for the Lusardi Phase III Cathodic Protection Replacement Project (Project). In addition, we request to appropriate an additional \$80,000 from the Capital Reserve Fund to the Project budget, and authorize the General Manager to sign on behalf of Olivenhain Municipal Water District (OMWD).

## Recommendation

Staff recommends finding the apparent low bidder, Farwest, as nonresponsive, and award of contract to Exaro in the amount of \$348,480 for construction of the Project, appropriate an additional \$80,000 to the Project budget, and authorize the General Manager to sign on behalf of OMWD.

## **Alternative(s)**

The Board could direct staff to only award one bid schedule; reject all bids and direct staff to re-bid a portion or the entire Project; elect to delay the Project until a future date; waive the contractual mobilization requirement for Farwest's bid, or proceed in a direction otherwise specified by the Board.

## **Background**

The Project is located along an 18" steel pipeline located in Director Division 1 (San Antonio). The pipelines in this area were installed in 1987. The current anodes and cathodic protection testing stations were installed in early 2000s. Staff routinely evaluates OMWD's cathodic protection systems and works closely with our corrosion consultant, R.F. Yeager, to ensure protection from corrosive soil conditions. Together they identified the existing sacrificial cathodic protection system protecting the Lusardi pipeline as a priority to replace, and staff has since been phasing the replacement efforts. Lusardi Phase I was completed in 2021, and Lusardi Phase II was completed in 2023. The current Phase III Project will now replace 19 additional existing cathodic protection anodes and test stations along the steel Lusardi pipeline that are at the end of their useful life.

During previous phases of the Project, the District contracted with Recon Environmental, Inc. (RECON), the District's current as-needed environmental consultant, to conduct an environmental review of the Project and determine if the Project is a Categorical Exempt project under CEQA guidelines. CEQA Guidelines Section 15301(b) and 15302 allows for categorical exemptions for maintenance of existing facilities involving negligible or no expansion of existing use or capacity. RECON determined the Project is Categorical Exempt under CEQA guidelines. Additionally, the Project is anticipated to be completed in a short duration and the contractor will be required to complete the Project outside of bird nesting season. The Board previously adopted a Resolution at the November 16, 2022 regular meeting to file a notice of exemption for all phases of the Lusardi Cathodic Protection project. Staff filed the NOE with the County Clerk of San Diego on November 22, 2022 per CEQA Guidelines Section 15062.

## **Fiscal Impact**

The proposed work was included in the FY 24 budget under the Steel Mains Protection Project (D120038), which has been a recurring effort since 2013 to maintain cathodic protection systems throughout the system.

Is this a Multi Fiscal Year Project? **Yes**

In which FY did this capital project first appear in the CIP budget? **2013**

Total Project Budget: **\$3,375,000**

Current Fiscal Year Appropriation: **\$322,330**

To Date Approved Appropriations: **\$573,000**

Target Project Completion Date: **February 2024**

Expenditures and Encumbrances as of July 1, 2023: **\$263,919.41**

Is this change order within the appropriation of this fiscal year? **N/A**

If this change order is outside of the appropriation, Source of Fund: **N/A**

Additional funds are needed to authorize the Project as material escalations and supply chain issues continue to edge received bids higher. Staff recommends a fund transfer of \$80,000 from the Capital Reserve Fund to complete the necessary Project and replace the aging anode protection system for the Lusardi pipeline to reduce corrosion. If the proposed budget transfer of \$80,000 from the Capital Reserve Fund is authorized under this item, the Project account will have approximately \$402,000 available. Additionally, the projected ending fund balance for the water capital improvements funds at June 30, 2024 will be \$31,398,000.

### **Discussion**

In accordance with Administrative and Ethics Code Section 6.3C, staff publicly issued a Request for Bids for the Project on May 13, 2023, and advertised the Project. Following the bid posting, a non-mandatory pre-bid meeting and jobsite walks were offered. An addendum was issued during the bidding process to respond to questions received by contractors. Four (4) bids were publicly received on June 22, 2023, and a summary of the bids are presented in the following table. Per the bid documents, OMWD reserved the right to award one or both bid schedules.

<b>Contractor</b>	<b>Bid Schedule A (12 sites accessing from north entrance)</b>	<b>Bid Schedule B (7 sites access from south entrance)</b>	<b>Total Bid (Schedule A and B)</b>
EXARO Technologies Corporation	\$208,189	\$140,291	\$348,480
Farwest Corrosion Control Company	\$209,875	\$126,745	\$336,620
Mike Bubalo	\$340,000	\$160,000	\$500,000
M-Rae Engineering	\$262,000	\$153,000	\$415,000

The apparent low bid was from Farwest. However, during the bid evaluation, staff identified that Farwest's mobilization exceeded the proportional amount allowed in OMWD contract documents. OMWD limits mobilization to 10% of contract value so that the contract value is not inappropriately front-loaded, and additional risk is not transferred to OMWD prior to the installation of the work. As the mobilization requirement is clearly stipulated within the bidding documents, and Farwest failed to adhere to the Project contract stipulations, staff recommends that the Board determine their bid to be non-responsive.

Staff then evaluated the second lowest apparent bid from Exaro in the amount of \$348,480. Staff identified an \$8 discrepancy in Exaro's bid item tabulation which staff recommends waiving as an inconsequential and minor irregularity. During the bid review, Exaro acknowledged the \$8 discrepancy and concurred with staff's evaluation. Staff determined Exaro is the lowest responsive and responsible bidder for recommendation to the Board.

In addition, staff received a bid protest on behalf of M-Rae Engineering, the third lowest apparent bid, challenging the validity of Exaro as the lowest responsive and responsible bidder. Staff reviewed all documentation with General Counsel, who concurred with staff's position and recommendation of Exaro as the lowest responsive and responsible bidder for the Project.

Staff recommends awarding a contract to Exaro in the amount of \$348,480 and is available to answer any questions.

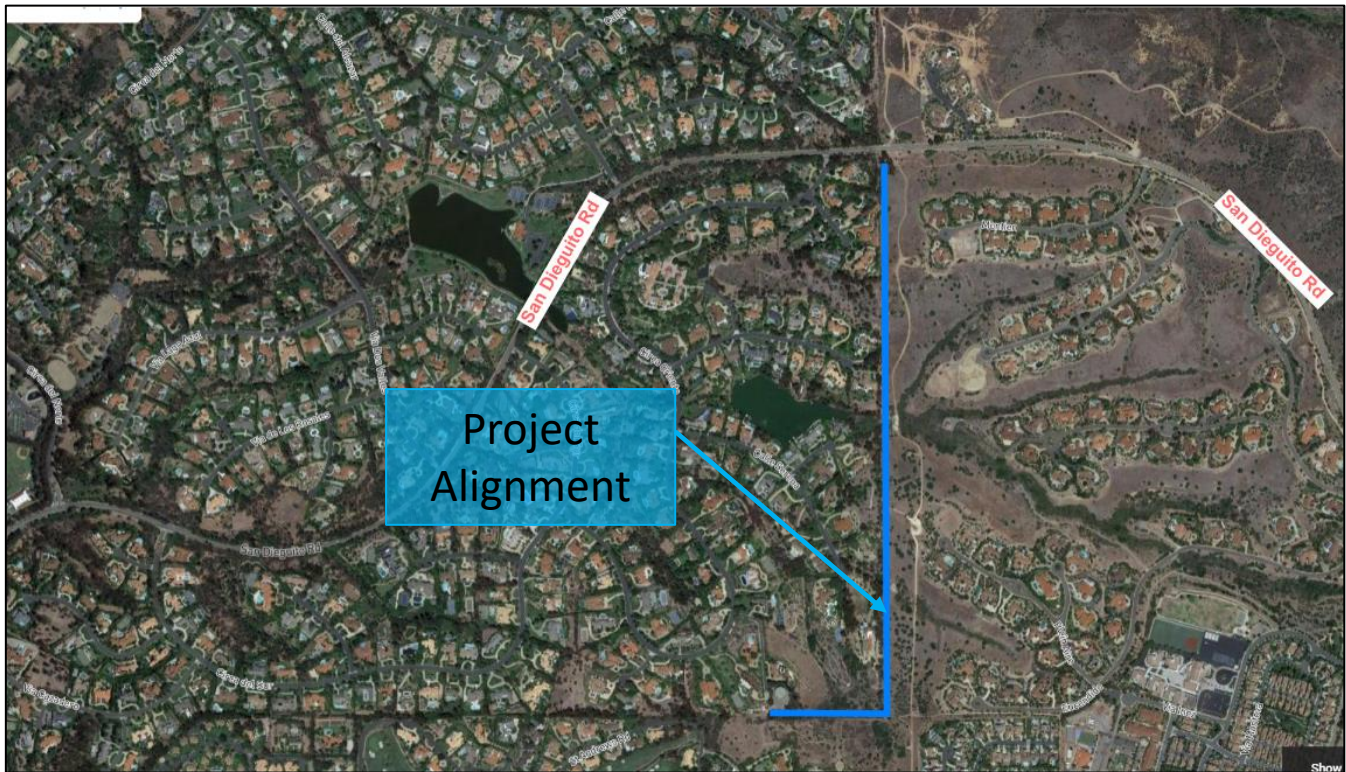
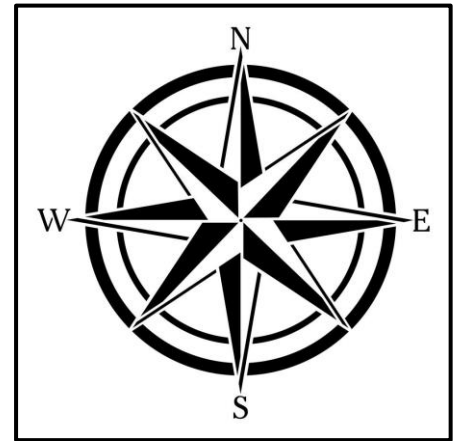
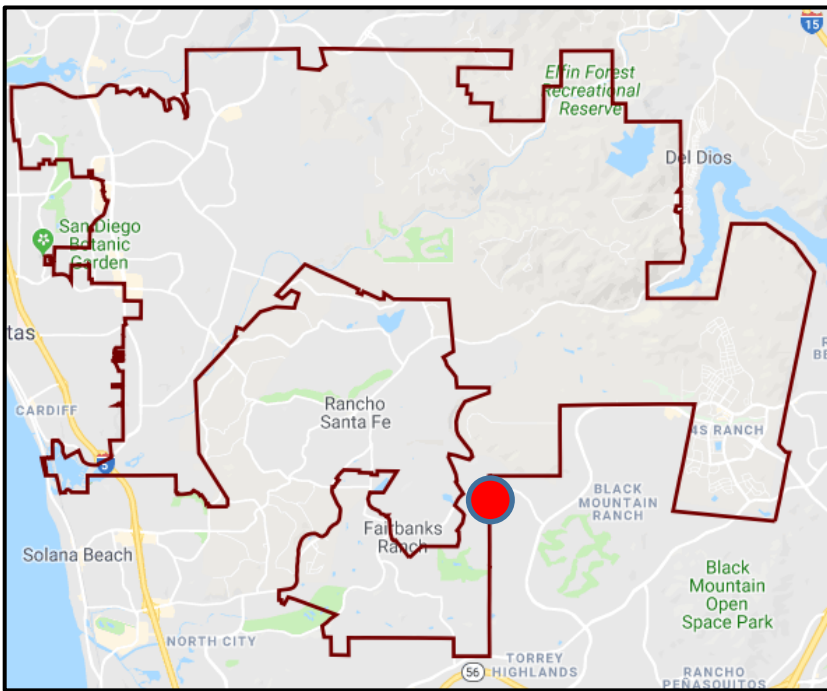
*Attachment(s):*

*Project Site Map*

*Bid Results*

*NOE*

*M-Rae Bid Protest*



## LUSARDI PHASE III CATHODIC PROTECTION REPLACEMENT PROJECT

DISTRICT PROJECT NO. D120038



<b>Lasardi Phase III Cathodic Protection Replacement Project (D120038)</b> <b>Bid Opening 6.22.2023 2:00 pm</b>			
<b>Contractor</b>	<b>Base Bid Schedule A</b>	<b>Base Bid Schedule B</b>	<b>Base Bid Schedule A &amp; B</b>
Exaro*	\$208,189	\$140,291	\$348,480
Far West Corrosion**	\$209,875	\$126,745	\$336,620
Mike Bubalo	\$340,000	\$160,000	\$500,000
M-Rae Engineering	\$262,000	\$153,000	\$415,000
<p>*Cells highlighted in orange indicate minor discrepancies found in Bid Schedule tabulations submitted by Exaro. General Provisions Section 2-3 states listed unit price prevails.</p> <p>** Bid submitted by Far West Corrosion was determined to be non-responsive for failure to comply with the stated Mobilization requirements of the contract.</p> <p><b>Final determination and Award to be considered by OMWD Board of Directors on July 19, 2023.</b></p>			



State of California - Department of Fish and Wildlife

**2022 ENVIRONMENTAL FILING FEE CASH RECEIPT**

DFW 753.5a (Rev. 01/01/22) Previously DFG 753.5a

RECEIPT NUMBER:

37-11/22/2022-0828

STATE CLEARING HOUSE NUMBER (If applicable)

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY

OLIVENHAIN MUNICIPAL WATER DISTRICT

LEAD AGENCY EMAIL

DATE

11/22/2022

COUNTY/STATE AGENCY OF FILING

SAN DIEGO

DOCUMENT NUMBER

37-2022-0828

PROJECT TITLE

LUSARDI PIPELINE CATHODIC PROTECTION REPAIR PROJECT

PROJECT APPLICANT NAME

OLIVENHAIN MUNICIPAL WATER DISTRICT

PROJECT APPLICANT EMAIL

PHONE NUMBER

760-632-4221

PROJECT APPLICANT ADDRESS

1966 OLIVENHAIN ROAD

CITY

ENCINITAS

STATE

CA

ZIP CODE

92024

PROJECT APPLICANT (Check appropriate box)

☐ Local Public Agency☐ School District☒ Other Special District☐ State Agency☐ Private Entity**CHECK APPLICABLE FEES:**☐ Environmental Impact Report (EIR)

\$3,539.25

\$

0.00

☐ Mitigated/Negative Declaration (MND)/(ND)

\$2,548.00

\$

0.00

☐ Certified Regulatory Program (CRP) document - payment due directly to CDFW

\$1,203.25

\$

0.00

☒ Exempt from fee☒ Notice of Exemption (attach)☐ CDFW No Effect Determination (attach)☐ Fee previously paid (attach previously issued cash receipt copy)☐ Water Right Application or Petition Fee (State Water Resources Control Board only)

\$850.00

\$

0.00

☒ County documentary handling fee

\$

50.00

☐ Other

\$

0.00

**PAYMENT METHOD**☐ Cash☐ Credit☒ Check☐ Other

TOTAL RECEIVED

\$

50.00

SIGNATURE

X

AGENCY OF FILING PRINTED NAME AND TITLE

San Diego County Clerk, JESSADITH EDORA, Deputy

Payment Reference #: CHECK NO. 032462





SAN DIEGO COUNTY CLERK  
CEQA FILING COVER SHEET

**FILED**  
Nov 22, 2022 09:52 AM  
Ernest J. Dronenburg, Jr.  
SAN DIEGO COUNTY CLERK  
File # 2022-000942  
State Receipt # 37112220220828

THIS SPACE FOR CLERK'S USE ONLY

Complete and attach this form to each CEQA Notice filed with the County Clerk

TYPE OR PRINT CLEARLY

Project Title

LUSARDI PIPELINE CATHODIC PROTECTION REPAIR PROJECT

Check Document being Filed:

- ☐ Environmental Impact Report (EIR)  
☐ Mitigated Negative Declaration (MND) or Negative Declaration (ND)  
☒ Notice of Exemption (NOE)  
☐ Other (Please fill in type):

FILED IN THE OFFICE OF THE SAN DIEGO  
COUNTY CLERK ON November 22, 2022  
Posted November 22, 2022 Removed \_\_\_\_\_  
Returned to agency on \_\_\_\_\_  
DEPUTY \_\_\_\_\_

Filing fees are due at the time a Notice of Determination/Exemption is filed with our office. For more information on filing fees and No Effect Determinations, please refer to California Code of Regulations, Title 14, section 753.5.

**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: Lusardi Pipeline Cathodic Protection Repair Project

Project Applicant: Olivenhain Municipal Water District

Project Location - Specific:

Lusardi Pipeline easement off of San Dieguito Road in unincorporated community of Fairbanks Ranch. The Project coordinates are 33°00'20.3"N 117°10'11.4"W.

Project Location - City: Unincorporated Fairbanks Ranch Project Location - County: San Diego

Description of Nature, Purpose and Beneficiaries of Project:

The work includes providing all labor, materials, and equipment to install and commission new cathodic protection systems to prevent corrosion to the Lusardi water transmission pipeline. The contractor will drill three (3) minimum 11-inch diameter holes to a minimum depth of 12 feet at five (5) locations to facilitate placement of new cathodic protection anodes along the Lusardi Pipeline, north of San Dieguito Road, by the Olivenhain Municipal Water District.

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: 15061(b)(3), 15301 (b), 15302, and 15303  
☐ Statutory Exemptions. State code number: \_\_\_\_\_

Reasons why project is exempt:

State CEQA Guideline § 15061(b)(3) (Common Sense Exemption) allows for activities to be covered by the common sense exemption that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA.

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.

State CEQA Guidelines §15303 (New Construction or Conversion of Small Structures) consists of construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure.

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: Kimberly A. Horner Date: 11/16/2022 Title: General Manager

☒ 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: \_\_\_\_\_

Revised 2011

# San Diego County



Transaction #: 6841524  
Receipt #: 2022504687

Ernest J. Dronenburg, Jr.  
Assessor/Recorder/County Clerk  
1600 Pacific Highway Suite 260  
P. O. Box 121750, San Diego, CA 92112-1750  
Tel. (619) 237-0502 Fax (619) 557-4155  
[www.sdarcc.com](http://www.sdarcc.com)

Cashier Date: 11/22/2022  
Cashier Location: SD

Print Date: 11/22/2022 9:53 am

## Payment Summary

Total Fees:	\$50.00
Total Payments:	\$50.00
Balance:	\$0.00

## Payment

CHECK PAYMENT #032462	\$50.00
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Total Payments	\$50.00
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## Filing

CEQA - NOE	FILE #: 2022-000942 Date: 11/22/2022 9:52AM	Pages: 2
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State Receipt # 37-11/22/2022-0828

Fees: Fish & Wildlife County Administrative Fee	\$50.00
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Total Fees Due:	\$50.00
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Grand Total - All Documents:	\$50.00
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June 28, 2023

Mr. Steven Weddle  
Engineering Services Supervisor  
Olivenhain Municipal Water District  
1966 Olivenhain Road  
Encinitas, California 92024

Re: *Bid Protest Lusardi Phase III*  
*Cathodic Protection Replacement Project (D1220038)*  
Bid Date: June 22, 2023  
Low Bidder: M-Rae Engineering, Inc.

Dear Mr. Weddle

1. Introduction

We represent M-Rae Engineering, Inc., (“Mrae”) the lowest responsive and responsible bidder on the above project (“Project”). This is Mrae’s supplemental protest of award of the Project to Exaro Technologies Corporation (“Exaro”). As detailed below, Exaro’s bid is nonresponsive because: (1) Exaro’s bid contains mathematical errors constituting a material defect in its bid; and (2) Exaro bid more than 10 percent for mobilization for Schedule A in violation of the bid documents. As further detailed below, each material defect afforded Exaro unallowed advantages and affected the price of its bid such that they cannot be waived by the Olivenhain Municipal Water District (“District”) under California law. Accordingly, Mrae requests the District reject the nonresponsive bid of Exaro and award the Project to the lowest responsive and responsible bidder: Mrae.

Mrae also notes that the District has not produced the entirety of Exaro’s bid, in violation of the California Public Records Act, prejudicing Mrae from prosecuting its protest. Specifically, the District did not produce the qualification portion of Exaro’s bid. Mrae requests the District promptly produce the entirety of Exaro’s bid so that Mrae can supplement this protest as needed if it determines that Exaro is not qualified to perform the work.

2. Factual Summary

A. The Bid Documents

The District required bidders to insert numerical values for their unit prices of bid items and a numerical value for the total of the unit prices (i.e. the total value of its bid). Further, the District required bidders to write, in letters, the total value of its bid (i.e. all unit prices added together). Under the bid documents, the total numerical bid price and the total written bid price were to be the same. However, the bid documents themselves provided, “Amounts shall be shown in both words and figures, where indicated. In case of discrepancy, the amount shown in words will govern.” (See Bid Form, p. 6.) However, Section 2-3 of the General Provisions

provided, “Written amounts shall govern in case of discrepancy between the amounts stated in writing and the amounts stated in figures. If the unit price and the total amount named by a bidder for any item are not in agreement, the unit price alone shall be considered as representing the bidder's intention, and the totals shall be corrected to conform thereto.” Thus, taken together, if the numerical values differed from the written values, the written values would control.

The bid documents also provided, “Mobilization for Base Bid Schedule A is limited to 10 percent of the total bid price for Base Bid Schedule A.” Thus, bidders could not bid more than 10 percent of the total bid for mobilization. As detailed below, Exaro bid more than 10 percent, in violation of the bid requirements.

B. Bid Results

The District received bids for the Project on June 22, 2023, as detailed in the following screenshots of the bid results:

Lasardi Phase III Cathodic Protection Replacement Project (D120038) Bid Opening 6.22.2023 2:00 pm			
Contractor	Base Bid Schedule A	Base Bid Schedule B	Base Bid Schedule A & B
Exaro*	\$208,189	\$140,291	\$348,480
Far West Corrosion**	\$209,875	\$126,745	\$336,620
Mike Bubalo	\$340,000	\$160,000	\$500,000
M-Rae Engineering	\$262,000	\$153,000	\$415,000
<small>*Cells highlighted in orange indicate minor discrepancies found in Bid Schedule tabulations submitted by Exaro. General Provisions Section 2-3 states listed unit price prevails. ** Bid submitted by Far West Corrosion was determined to be non-responsive for failure to comply with the stated Mobilization requirements of the contract. Final determination and Award to be considered by OMWD Board of Directors on July 19, 2023.</small>			

As detailed above, Far West’s bid was rejected as nonresponsive. Further, the District concluded that Exaro’s bid contained bid defects but decided to waive those defects. As detailed below, the District cannot waive Exaro’s bid defects because they both affected the amount of its bid and provided it an advantage not afforded other bidders.

C. Mrae Protests Award

On June 23, 2023, Mrae emailed the District stating, “Could you please provide me with bid results of each bidder and low bidder Farwest Corrosion bid. Per project SPEC bid form page 2 bidding instructions, any bid protest must be submitted within 3 days of the bid.” By this email, Mrae both: (1) provided notice of its intent to protest; and (2) requested the District provide a copy of the bids so that it may prosecute its protest. As detailed below, the District did not provide the bids until June 27, 2023, three days after the purported protest deadline. While

Mrae provided notice of its protest within the three day deadline, the District's actions have prevented Mrae from prosecuting its protest such that the District is estopped from enforcing such a deadline against Mrae.

3. Exaro's Bid Is Nonresponsive and Must Be Rejected

A. Legal Standard

"A bid is responsive if it promises to do what the bidding instructions require. Thus, a responsive bid must conform to the public agency's specifications for the contract." (*DeSilva Gates Construction, LP v. Department of Transportation* (2015) 242 Cal.App.4th 1409, 1417.) "Literal noncompliance with a bid request does indeed makes a bid nonresponsive." (*Great West Contractors, Inc. v. Irvine Unified School Dist.* (2010) 187 Cal.App.4th 1425, 1456.) "However, it is further well established that a bid which substantially conforms to a call for bids may, though it is not strictly responsive, be accepted *if the variance cannot have affected the amount of the bid or given the bidder an advantage or benefit not allowed other bidders or, in other words, if the variance is inconsequential.*" (*Valley Crest Landscape, Inc. v. City Council* (1996) 41 Cal.App.4th 1432, 1441.) In *Valley Crest*, the purported awardee of the project misstated the correct percentages of work its subcontractor would perform and attempted to correct the percentages post bid. The Court invalidated the award on the basis that the clerical/arithmetical error in listing incorrect subcontractor values afforded North Bay an unallowable advantage in the ability to pull its bid pursuant to Public Contract Code section 5103. Specifically the court held:

Applying the same test here, we conclude North Bay had an unfair advantage because it could have withdrawn its bid. Misstating the correct percentage of work to be done by a subcontractor is in the nature of a typographical or arithmetical error. It makes the bid materially different and is a mistake in filling out the bid. As such, under Public Contract Code section 5103, North Bay could have sought relief by giving the City notice of the mistake within five days of the opening of the bid.<sup>1</sup> That North Bay did not seek such relief is of no moment. The key point is that such relief was available. Thus, North Bay had a benefit not available to the other bidders; it could have backed out. Its mistake, therefore, could not be corrected by waiving an "irregularity."

As detailed below, this case is akin to *Valley Crest*. Exaro made clerical and mathematical errors in filling out its bid that afforded it the ability to pull its bid under Public Contract Code section 5100 et seq. This was an advantage not afforded other bidders. Accordingly, the District may not waive these defects.

B. Exaro's Clerical/Mathematical Errors Render Its Bid  
Nonresponsive And The District Cannot Waive The Bid Defects

Exaro's bid contains numerous mathematical and clerical errors. First, for Schedule A, Exaro's listed numerical total of its unit prices is \$208,194.00. Similarly, Exaro's written total of its unit prices is Two Hundred Eight Thousand One Ninety Four. However, the numerical unit prices actually total \$208,189.00—different than the listed numerical and written value of \$208,194.00. Further, for Schedule B, Exaro's listed number total of its unit prices is \$140,293.00. Similarly, its written total of its unit prices is One Hundred Forty Thousand Two Ninety Three. However, the numerical unit prices actually total \$140,291.00—different than the listed numerical and written value of \$140,293.00. This is akin to misstating the correct subcontractor percentages in *Valley Crest*. These mathematical and clerical errors afforded Exaro the advantage of the ability to pull its bid under Public Contract Code section 5100 et seq. Like North Bay, the fact that Exaro did not seek to withdraw its bid is "of no moment. The key point is that such relief was available." Thus, like North Bay, Exaro had a benefit not available to the other bidders; it could have backed out. The District cannot therefore waive this bid defect.

Further, Exaro's mathematical errors affected the amount of its bid. The listed price of its bid totaled \$348,487.00. However, the actual price of its bid totals \$348,479.00. This errors directly affected the bid price. The District's contention that since the difference is only eight dollars the defect is immaterial is without merit. Under California, any affect on bid price is material and the defect cannot be waived.

Finally, the District's reliance on Section 2-3 of the General Conditions is without merit. The bid results themselves state, "General Provisions Section 2-3 states listed unit price prevails." That statement is not true. Instead, Section 2-3 states that when unit prices differ from total unit prices, the unit price will control. However, Section 2-3 also states, "written amounts shall govern in case of discrepancy between the amounts stated in writing and the amounts stated in figures." The bid documents further state, "in case of discrepancy, the amount shown in words will govern." Here, there is an error between the unit price numerical total and the written total. Thus, the written total should govern per the specifications. However, the District, in violation of the spec, identified a total bid price for Exaro of \$208,189.00, the actual total of the unit prices. Thus, the District made a post-bid manipulation of Exaro's bid to lower the bid price in violation of the specifications. This is doubtless another advantage not afforded other bidders such that the District may not waive the defect. Regardless, the District's reliance on Section 2-3 does not trump California law and *Valley Crest* discussed above. The mathematical and clerical errors alone allowing Exaro to pull its bid constitute a material advantage that cannot be waived. Accordingly, Mr. Rae requests the District reject the nonresponsive bid of Exaro and proceed to award the Project to the lowest responsive and responsible bidder: Mr. Rae.

C. Exaro's Bid Is Nonresponsive For  
Bidding More Than 10 Percent For Mobilization

Exaro's bid listed a total bid of \$208,194.00 for Schedule A. As detailed above, the actual total is \$208,189.00. The District adopted the lower value, in violation of the specifications, in the bid results. Thus, if the District continues to rely on Exaro's Schedule A bid of \$208,189.00, then the District must reject Exaro's bid. As detailed above, the bid documents also provided, "Mobilization for Base Bid Schedule A is limited to 10 percent of the total bid price for Base Bid Schedule A." Here, Exaro bid \$20,819.00 for mobilization for schedule A. This amount is more than 10 percent of Exaro's bid for Schedule A, in violation of the specifications. This defect afforded Exaro an advantage not afforded other bidders by allowing it to make more money from Mobilization than all other bidders who followed the rules and bid less than 10 percent for this item. Thus, the District may not waive this bid defect. Accordingly, Mr. Rae requests the District reject the nonresponsive bid of Exaro and proceed to award the Project to the lowest responsive and responsible bidder: Mr. Rae.

4. Conclusion

As detailed above, Exaro's bid is nonresponsive for containing numerous clerical and mathematical errors and for bidding for more than 10 percent for mobilization. These defects both affected the amount of Exaro's bid and afforded it advantages not afforded other bidders. Accordingly, the District cannot waive Exaro's bid defects and must reject the bid as nonresponsive.

Mr. Rae also notes that the District has not produced the entirety of Exaro's bid such that Mr. Rae cannot ascertain whether Exaro is actually qualified to perform the work. The District's withholding is prejudicing Mr. Rae's ability to prosecute its protest. Thus, the District cannot enforce and purported protest deadline against Mr. Rae and Mr. Rae demands the District produce the remaining bid portions so that Mr. Rae can supplement this protest as needed. (*Great West Contractors, Inc. v. Irvine Unified School Dist.* (2010) 187 Cal.App.4th 1425, ["when the lowest bidder tried to get a copy of that very same competitor's bid (as well as that of another company that was awarded the second contract), the school district did not turn over that information until several weeks later. More pointedly, the information was deliberately not made available until after the critical first court hearing in the case.... It doesn't take Hamlet to figure out that something rotten happened in this case"].)



Accordingly, Mr. Mae requests the District reject the nonresponsive bid of Exaro and proceed to award the Project to the lowest responsive and responsible bidder: Mr. Mae. Please contact us with any questions.

Very truly yours,

A handwritten signature in blue ink, reading "Thomas F. Feerick Jr.", is displayed on a light-colored rectangular background.

Thomas F. Feerick Jr., Esq.

# Memo

Date: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Joe Jansen, Administrative Analyst  
Via: Kimberly A. Thorner, General Manager  
Subject: **CONSIDER INFORMATIONAL REPORT ON WATER SUPPLY CONDITIONS AND LONG-TERM WATER USE EFFICIENCY LEGISLATION**

---

## Purpose

The purpose of this agenda item is to provide the board with updates on water supply conditions, OMWD's customer notification and enforcement activities, and water use legislation affecting OMWD customers.

## Recommendation

This is an informational item; no action is required.

## Alternative(s)

Not applicable; informational item only.

## **Background**

Since June 2015, staff presents at the board's request a quarterly report on statewide water supply conditions, recent and near-term events pertaining to drought, and/or a summary of activity taken by staff.

## **Fiscal Impact**

There are no costs directly associated with this informational report.

## **Discussion**

Staff will review the attached presentation with the board at the July 19 meeting and further discuss water supply related developments.

*Attachments: PowerPoint presentation*

# WATER SUPPLY AND LONG-TERM WATER USE EFFICIENCY LEGISLATION

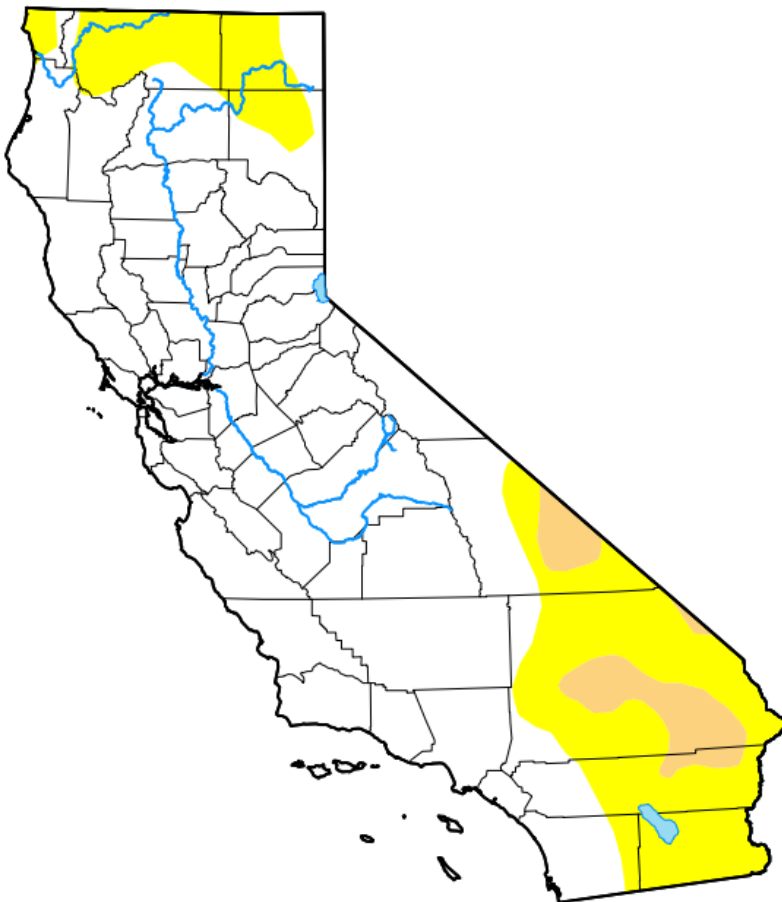
July 19, 2023



# Water Supply Conditions

# U.S. Drought Monitor California

**July 4, 2023**  
(Released Thursday, Jul. 6, 2023)  
Valid 8 a.m. EDT



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	71.95	28.05	4.63	0.00	0.00	0.00
<b>Last Week</b> 06-27-2023	71.88	28.12	4.63	0.00	0.00	0.00
<b>3 Months Ago</b> 04-04-2023	56.17	43.83	24.86	0.82	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2023	0.00	100.00	97.93	71.14	27.10	0.00
<b>Start of Water Year</b> 09-27-2022	0.00	100.00	99.76	94.01	40.91	16.57
<b>One Year Ago</b> 07-05-2022	0.00	100.00	99.80	97.48	59.81	11.59

**Intensity:**

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

**Author:**

Curtis Riganti  
National Drought Mitigation Center



**droughtmonitor.unl.edu**

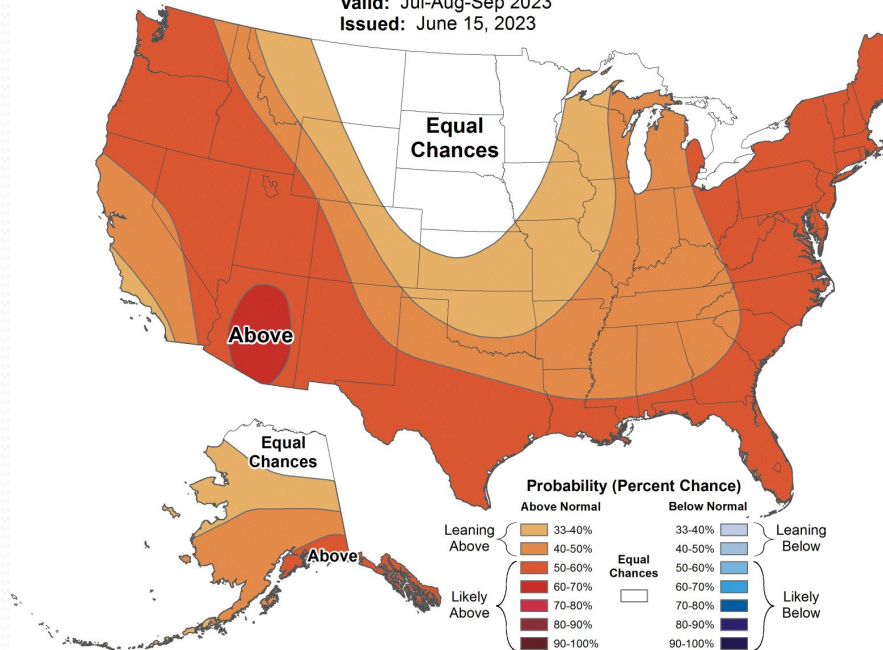
# National Weather Service Outlook

## July 2023 – September 2023



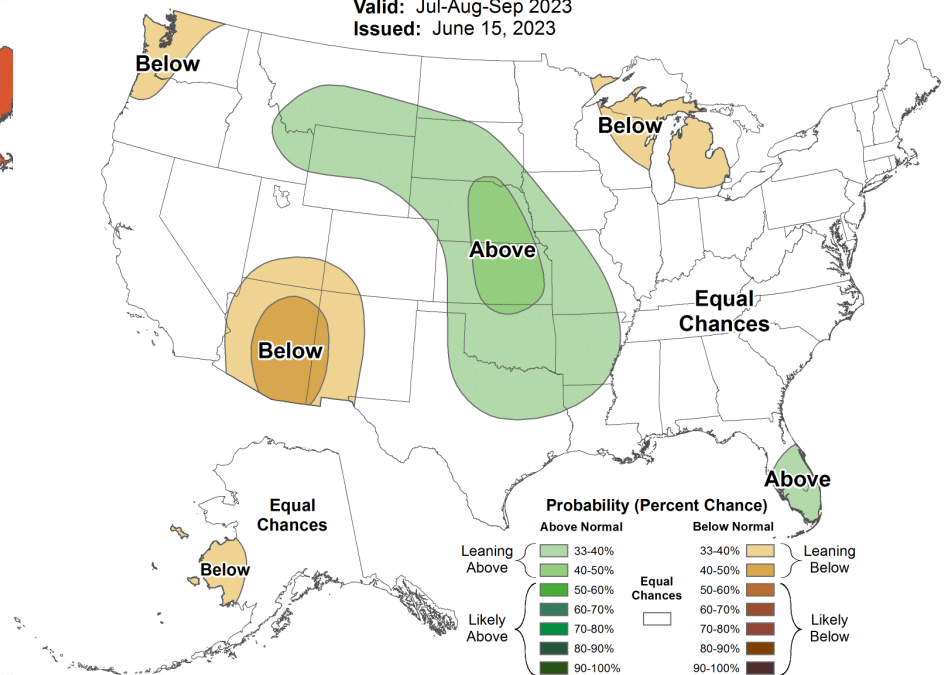
### Seasonal Temperature Outlook

Valid: Jul-Aug-Sep 2023  
Issued: June 15, 2023



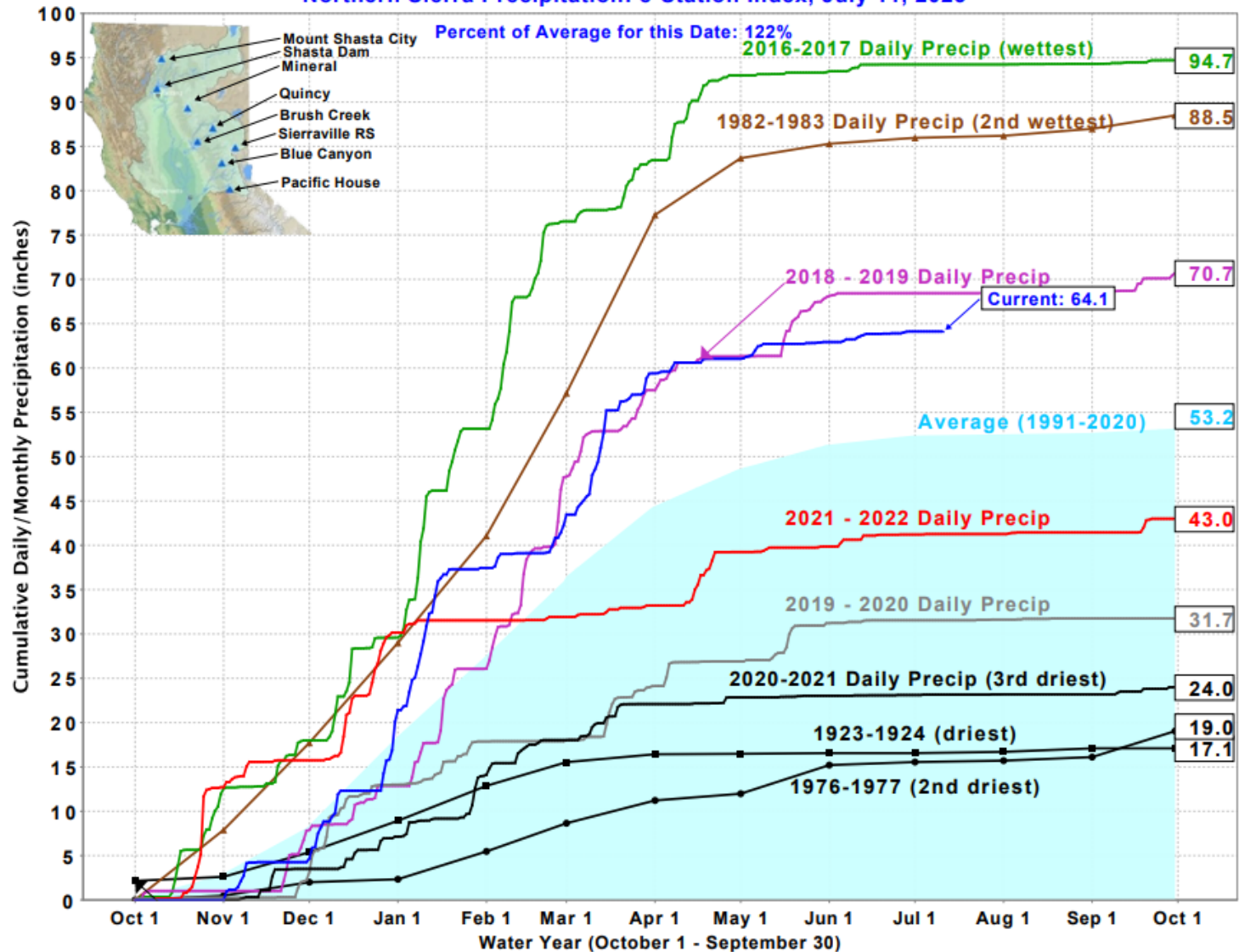
### Seasonal Precipitation Outlook

Valid: Jul-Aug-Sep 2023  
Issued: June 15, 2023





# Northern Sierra Precipitation: 8-Station Index, July 11, 2023



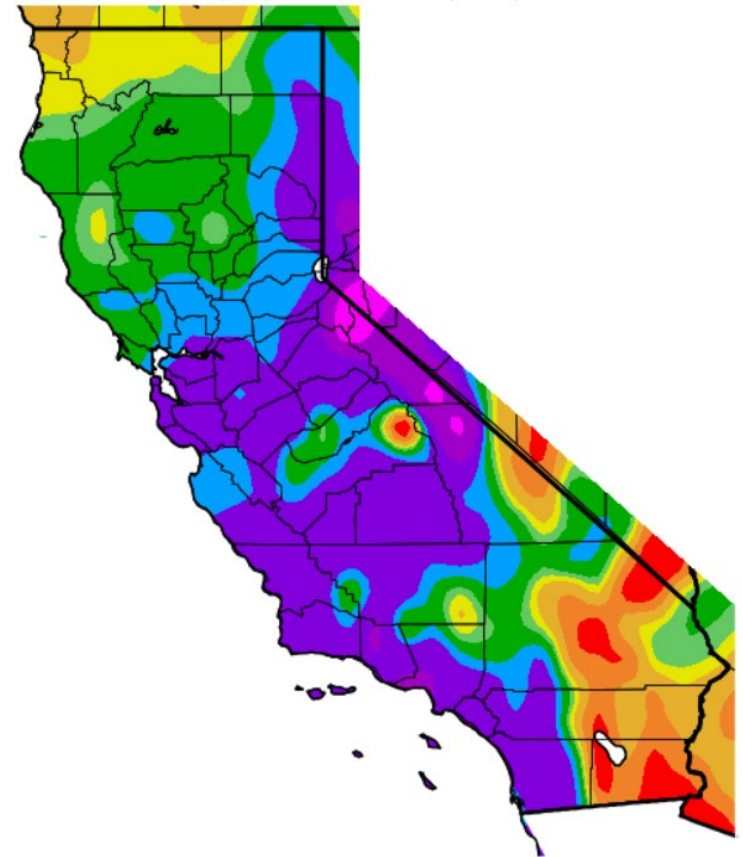
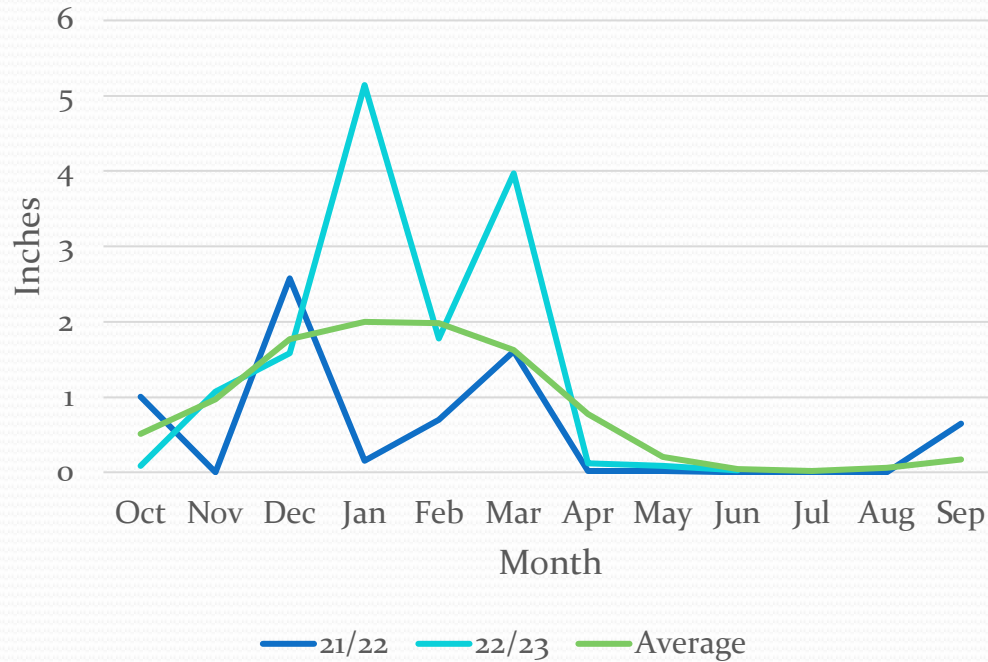
Total Water Year Precipitation



Percent of Average Precipitation (%)  
10/1/2022 – 7/10/2023



## San Diego Rainfall



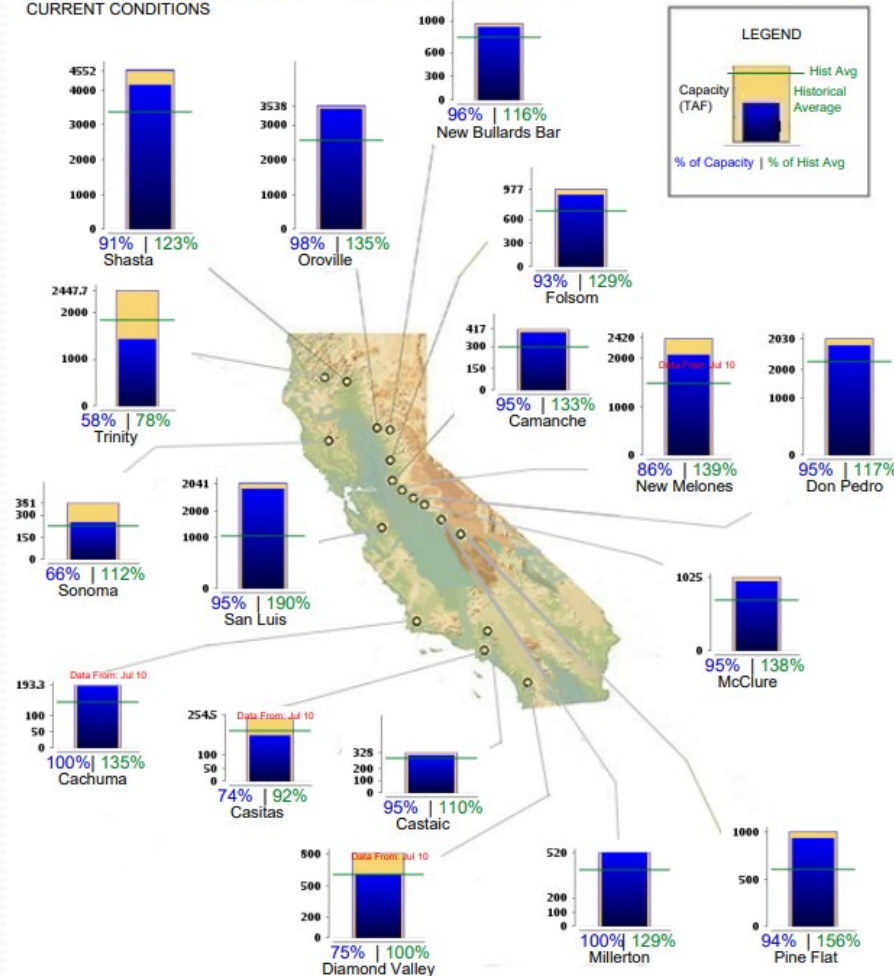
Generated 7/11/2023 at WRCC using provisional data.  
NOAA Regional Climate Centers



## CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

### CURRENT CONDITIONS

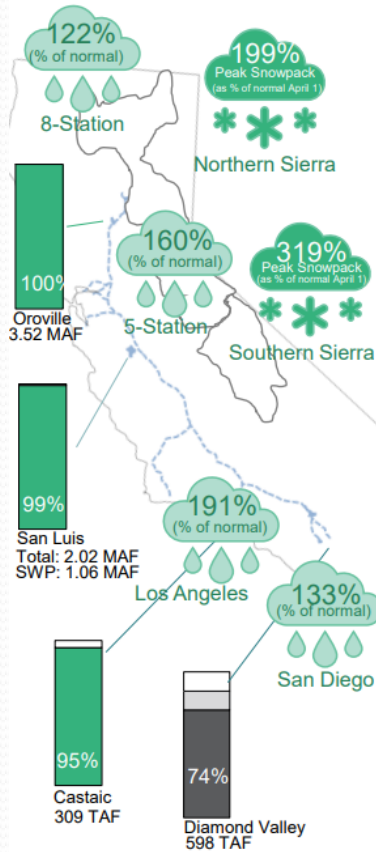
Midnight - July 11, 2023



Updated 07/12/2023 07:48 AM

## State Water Project Resources

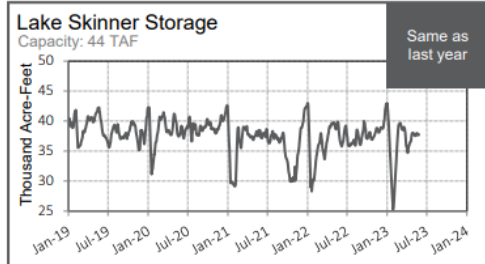
SWP Table A – 100% - 1,911,500 AF



## WATER SUPPLY CONDITIONS REPORT

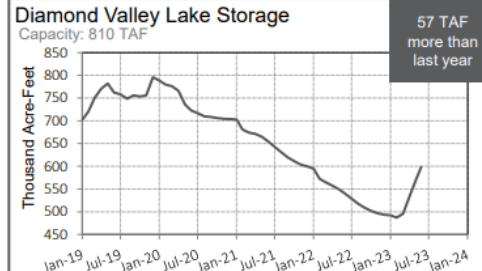
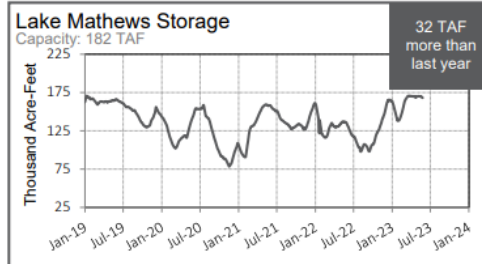
Water Year  
2022-2023  
As of: June 25, 2023

### Metropolitan Resources



**MWD WSDM Storage**  
Calendar Year 2023

	2023 Put Capacity
Colorado River Aqueduct Delivery System	400 TAF
State Water Project System	621 TAF
In-Region Supplies and WSDM Actions	392 TAF
Other Programs	171 TAF
<b>Total WSDM Storage Put Capacity</b>	<b>1,584 TAF</b>



### Highlights

- SWP allocation is 100% of contractual amounts (Table A)
- Lake Oroville and San Luis Reservoir are both at capacity



This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale. Questions? Email [mferreira@mwdh2o.com](mailto:mferreira@mwdh2o.com)

<https://www.mwdh2o.com/WSCR>

## Colorado River Resources

Projected CRA Diversions – 764,000 AF

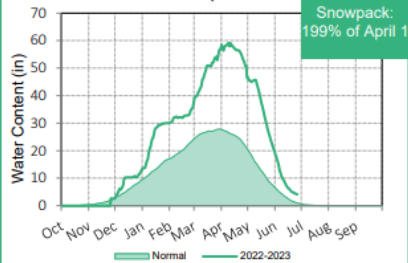


*Mead up from 28%, Powell up from 22%*

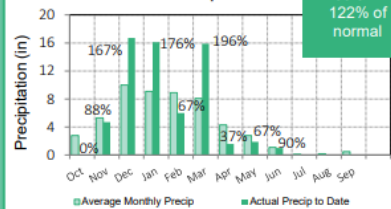
## State Water Project Resources

As of: 06/25/2023

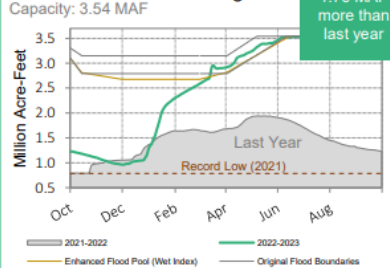
### Northern Sierra Snowpack



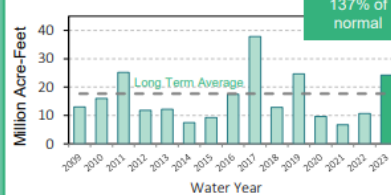
### 8 Station Index Precipitation



### Oroville Reservoir Storage



### Sacramento River Runoff



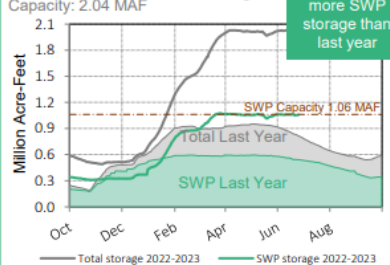
### Other SWP Supplies

Calendar Year 2023

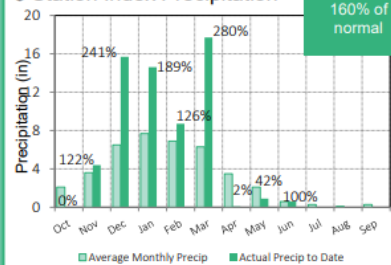
Carryover 39,000 acre-feet

Article 21 134,000 acre-feet

### San Luis Reservoir Storage



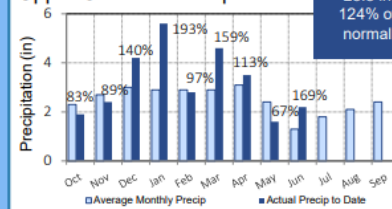
### 5 Station Index Precipitation



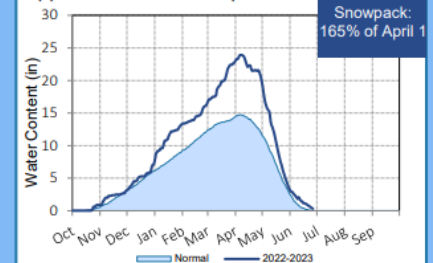
## Colorado River Resources

As of: 06/25/2023

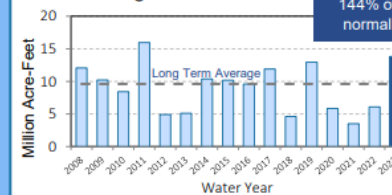
### Upper Colorado Precipitation



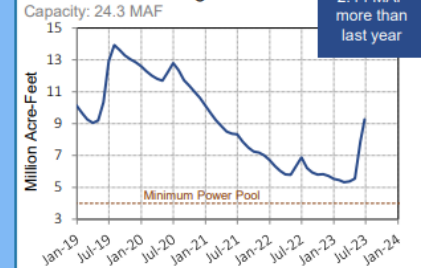
### Upper Colorado Snowpack



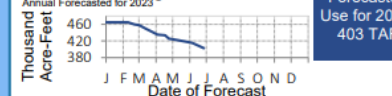
### Powell Unregulated Inflow



### Lake Powell Storage



### PVID/Yuma Agricultural Use



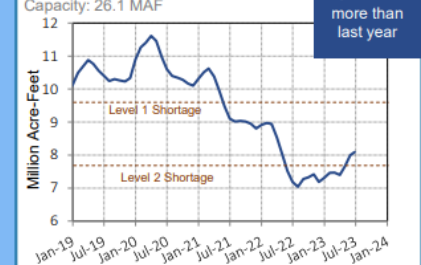
### Projected Lake Mead ICS

Calendar Year 2023

Put (+) / Take (-)

TBD

### Lake Mead Storage



### Lake Mead Surplus/Shortage Outlook

	2023	2024	2025	2026
Surplus	0%	0%	0%	0%
Shortage	100%	93%	57%	47%
Metropolitan DCP*			180 TAF	252 TAF

Likelihood based on results from the April 2023 CRMS in Ensemble Model/CRSS model run. Includes DCP Contributions.

\* Chance of required DCP contribution by Metropolitan. Volume is average contribution when needed.

# OMWD Activity

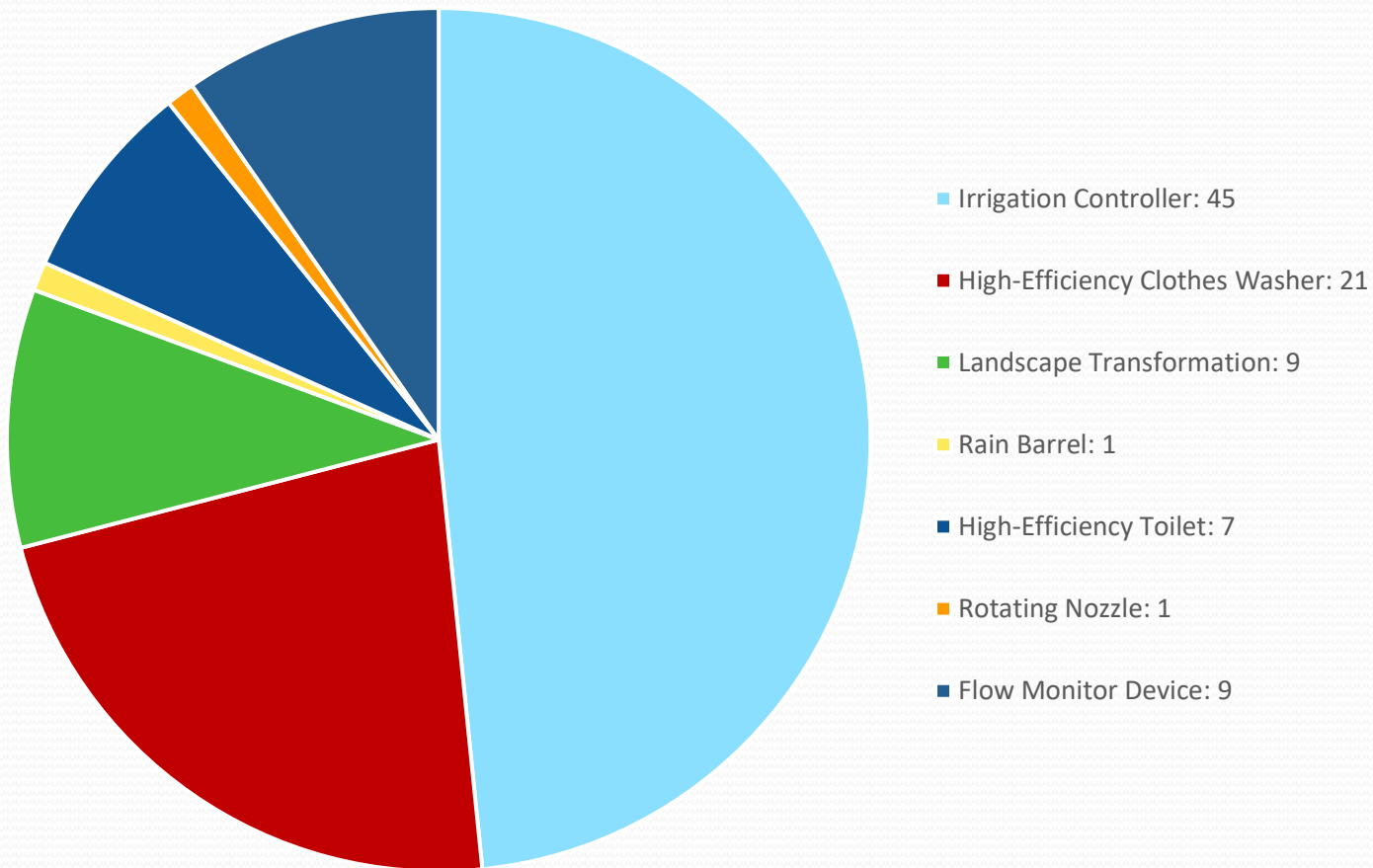


# Restrictions Enforcement

	Reports	Actions	Fines
December '21	0	0	0
January '22	4	4	0
February '22	8	8	0
March '22	0	0	0
April '22	5	5	0
May '22	0	0	0
June '22	5	5	0
July '22	13	13	0
August '22	7	7	0
September '22	2	2	0
October '22	4	4	0
November '22	0	0	0
December '22	1	1	0
January '23	0	0	0
February '23	1	1	0
March '23	0	0	0
April '23	0	0	0
May '23	2	2	0
June '23	0	0	0
Totals	52	52	0

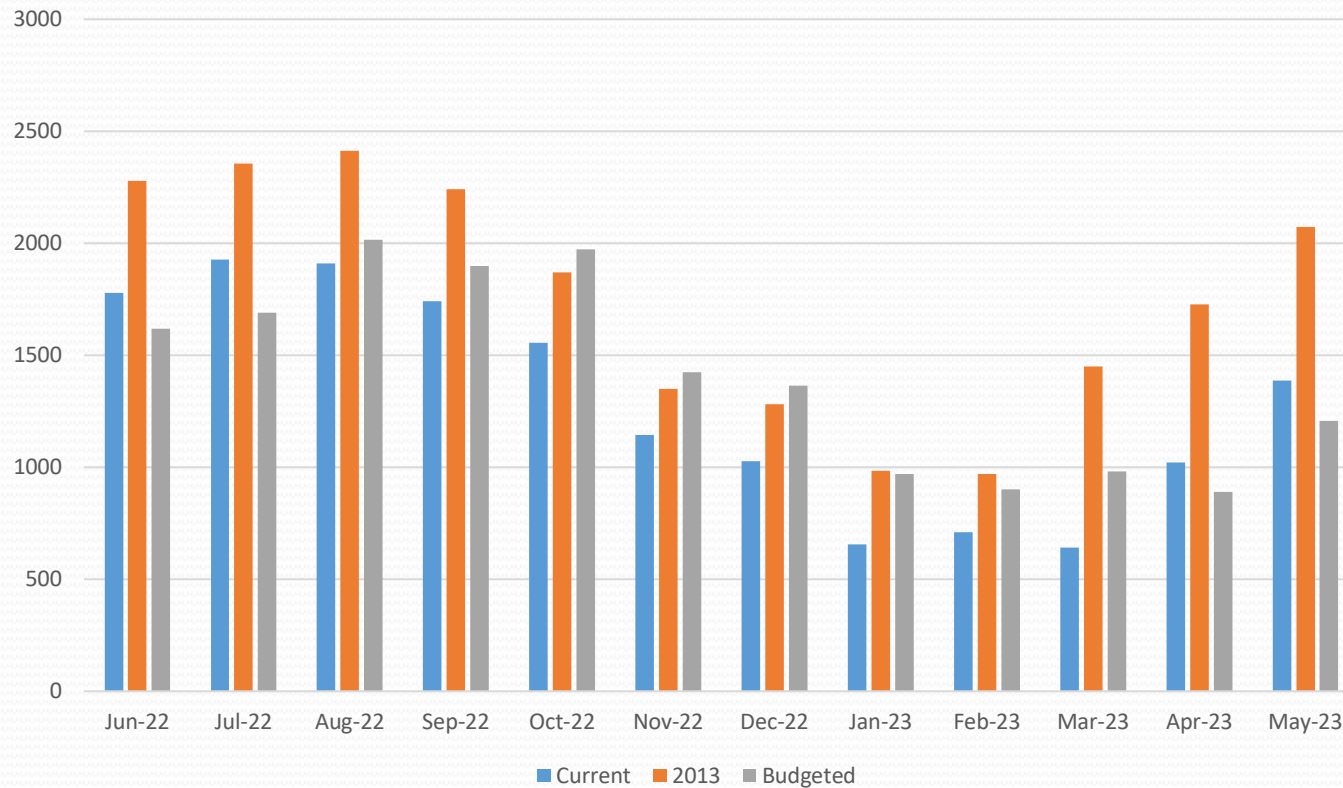


# April - June Rebate Application Activity



*Figures are based on applications received*

# No Conservation Requirement



## Water Consumption Compared to 2013

Feb-22	20%
Mar-22	-17%
Apr-22	-16%
May-22	-17%
Jun-22	-19%
Jul-22	-15%
Aug-22	-17%
Sep-22	-20%
Oct-22	-14%
Nov-22	-12%
Dec-22	-17%
Jan-23	-32%
Feb-23	-24%
Mar-23	-55%
Apr-23	-38%
May-23	-30%



# Legislation & Regulations

# Legislative and Regulatory Update

## Drought Updates

- April 20- State Water Project allocation increased to 100%.
  - Last 100% allocation was in 2006.
- May 19- Governor Newsom signed Executive Order N-8-23.
  - Creates an Infrastructure Strike Team composed of directors from different state agencies with a focus of working together to maximize federal and state funding opportunities. Objectives of the Strike Team include but are not limited to:
    - Identify projects of significant opportunity for which to focus streamlining efforts.
    - Support coordination between federal and state governments to expedite permitting timelines.
    - Share challenges and best practices to identify opportunities for improvements.
    - Identify potential statutory and regulatory changes to accelerate permitting processes.
    - Streamline certain CEQA procedures around document retention and review.

# Legislative and Regulatory Update

## Drought Updates

- USBR- Near-term Colorado River Operations- Draft Supplemental Environmental Impact Statement (Released April 10, 2023) has been suspended while a new proposal submitted by the three lower basin states is reviewed.
- Lower Colorado River basin states' proposal is consensus-based and conservation-focused.
  - Conserves up to 3.0 MAF through 2026 through voluntary conservation efforts.
  - To be included as a third action alternative in an updated draft SEIS expected to be released later this year.
  - Has been signed off on by all seven of the Colorado River basin states.
  - Conservation approach would protect San Diego region's QSA supplies from mandated reductions.
- The lower Colorado River basin states' proposal is a stop-gap until 2026 and does not fix the long-term problem of overallocation on the Colorado River.
- SB366 (The California Water Plan: long-term supply targets)
  - To be reintroduced in 2024 pending further review and justification of the conservation targets and economic analysis.

# Recent Updates



## Water Boards

STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS

**Save  
Our  
Water**



# Memo

Date: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Teresa L. Chase, Administrative Analyst  
Via: Kimberly A. Thorner, General Manager  
Subject: **CONSIDER 2023 ANNUAL OBJECTIVES AND TIGER TEAM STATUS REPORT**

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## Purpose

The purpose of this agenda item is to provide the board with a status update on the 2023 annual objectives and stretch objectives for the period beginning January 1, 2023, as well as an update on the Tiger Team program.

## Recommendation

This is an informational item; no action is required.

## Alternative(s)

Not applicable; informational item only.

## Background

At the February 15 board meeting, 70 annual objectives and eight stretch objectives were approved for calendar year 2023. This is the second full status update presented to the board.

## **Fiscal Impact**

There are no costs associated with this item.

## **Discussion**

This report is presented to the Board of Directors to provide updates on staff's progress toward completion of the 2023 annual objectives and stretch objectives. The report also includes a status update on the Tiger Team program, which tracks funds saved or generated through grant funding, cost savings, and alternative revenue generation.

The next status update will be provided at the October 18, 2023 board meeting. The objectives featured herein are to be completed by December 31, 2023.

*Attachments: Annual Objectives PowerPoint*

# 2023 Annual Objectives

July 19, 2023

Board of Directors Meeting





# 2023 Annual Objectives

- A total of 70 objectives and eight stretch objectives were adopted for calendar year 2023



## 1. Providing safe, reliable, high-quality drinking water to each customer in a cost-effective manner.

Objective	Progress Toward Completion
1. Complete Train 4 membrane replacement at David C. McCollom Water Treatment Plant (DCMWTP)	1. 100% - Train 4 membrane cassettes have been replaced
2. Commence Second Stage Membrane Hardware Refurbishment Project at DCMWTP	2. 100% - Work commenced on the project in March
3. Develop plan to complete Customer Side Lead Service Line Inventory (LSLI); classify 30 percent of service connections	3. 50% - Submitted draft LSLI plan to State Water Resources Control Board's Division of Drinking Water; the geographic information systems (GIS) module to track and report service line inventory is functional
4. Commence replacement of programmable logic controllers at DCMWTP	4. 35% - Design complete; anticipate going out to bid in August

## 1. Providing safe, reliable, high-quality drinking water to each customer in a cost-effective manner.

Objective	Progress Toward Completion
5. Complete design of additional fourth stage centrifuge at DCMWTP	5. 90% - Final design in progress
6. Complete design for the Unit A North Rancho Santa Fe Road Potable Water Pipeline Replacement Project	6. 75% - Final design in progress
7. Complete design of two pressure reducing station replacements	7. 30% - Final design in progress on Village Park and Gardendale pressure reducing stations
8. Outside of bird breeding season, complete maintenance of five impacted easements	8. 25% - Maintenance in progress and on track for completion after nesting season



**1. Providing safe, reliable, high-quality drinking water to each customer in a cost-effective manner.**

**Objective**

**Progress Toward Completion**

Stretch

Complete maintenance of three additional impacted easements beyond Objective 8

0% - Staff will review after achievement of Objective 8

**2. Providing wastewater collection and treatment services in an environmentally responsible manner, and producing and supplying high-quality recycled water to irrigation customers in support of regional water conservation efforts.**

Objective	Progress Toward Completion
9. Complete installation of flow meters at two Rancho Cielo sewer pump stations	9. 20% - Onsite meetings were held at the pump stations; meters and materials have been obtained
10. Make five new connections to the recycled water distribution system	10. 80% - Four new connections were completed in The Lakes community
11. Complete installation of recycled water flow meter on Extension 153	11. 80% - Installed pipeline and valve; awaiting delivery of meter and solar equipment for SCADA



**2. Providing wastewater collection and treatment services in an environmentally responsible manner, and producing and supplying high-quality recycled water to irrigation customers in support of regional water conservation efforts.**

## Objective

## Progress Toward Completion

12. Complete construction of the Manchester Avenue Recycled Water Pipeline Project

12. 100% - Notice of Completion approved at the March 15 board meeting

13. Commence construction on Calle Barcelona, Village Park, and Summerhill recycled water pipelines

13. 80% - Final design in progress

14. Commence start-up on Neighborhood 1 Sewer Pump Station Replacement Project

14. 40% - Construction underway

15. Sign on as an Advocacy Agency for the Encina Wastewater Potable Reuse Project

15. 100% - Board approved signing on as an Advocacy Agency at its January 18 board meeting; conducted two board tours of Encina Wastewater Authority

**2. Providing wastewater collection and treatment services in an environmentally responsible manner, and producing and supplying high-quality recycled water to irrigation customers in support of regional water conservation efforts.**

**Objective**

**Progress Toward Completion**

Stretch

Complete installation of flow meter at one additional sewer pump station beyond Objective 9

20% - An additional meter is planned for installation concurrent with the two meters from Objective 9



### 3. Operating Elfin Forest Recreational Reserve in the most cost-effective, safe, environmentally responsive, and service-oriented manner.

Objective	Progress Toward Completion
16. Continue education program for elementary schools in partnership with the Escondido Creek Conservancy as COVID restrictions allow, providing at least 2,000 students with in-person field trips to EFRR	16. 53% - 1,061 students have visited EFRR for in-person field trips in 2023
17. Utilize volunteer groups such as San Diego Mountain Biking Association and EFRR trail patrol for two trail maintenance/repair projects	17. 100% - EFRR docents and trail patrol volunteers performed creek cleanups on February 1 and 8
18. Participate in I Love a Clean San Diego Creek to Bay Cleanup event	18. 100% - Creek to Bay Cleanup was held on April 22

### 3. Operating Elfin Forest Recreational Reserve in the most cost-effective, safe, environmentally responsive, and service-oriented manner.

Objective	Progress Toward Completion
19. Launch seventeenth 17 <sup>th</sup> annual photo contest	19. 0% - Annual photo contest will launch in November
20. Conduct third round of Golden Spotted Oak Borer (GSOB) monitoring at EFRR; report findings to EFRR Executive Committee	20. 90% - GSOB monitoring complete; results will be presented to EFRR Executive Committee on August 31
21. Utilize past GSOB monitoring data to identify and treat problem areas for GSOB, focusing on "high value" trees for spraying (e.g., 12"+ diameter, in aesthetically valuable area, etc.)	21. 100% - Approximately 200 trees were treated for GSOB on May 17



### 3. Operating Elfin Forest Recreational Reserve in the most cost-effective, safe, environmentally responsive, and service-oriented manner.

Objective	Progress Toward Completion
22. Host water conservation workshop at Elfin Forest Interpretive Center Honoring Susan J. Varty	22. 25% - Potential topics and speakers identified
23. Investigate legal obligations for providing access for disabled persons at EFRR; report findings to EFRR Executive Committee	23. 50% - Recommendations received from Nossaman; will report to EFRR Executive Committee on August 31
Stretch Work with volunteer groups on two additional trail maintenance events beyond Objective 17	0% - Additional trail maintenance events to be held in the fall

#### 4. Pursuing alternative and renewable energy sources as a means of offsetting costs and energy charges, providing sustainability.

##### Objective

- 24. Initiate feasibility and conceptual plan on OMWD's strategy to address California Air Resources Board zero-emission vehicle requirements, including timeline, compliance, phasing, budgets, and financing options
- 25. Continue partnerships with energy providers and third-party consultants to optimize energy costs
- 26. Complete refurbishment of one DCMWTP energy recovery turbine to ensure continuous energy savings

##### Progress Toward Completion

- 24. 35% - Met with consultant, SDCWA, and SDG&E; developing scope for fleet electrification request for proposals; supporting legislation to exempt water agency emergency response vehicles
- 25. 35% - Working with Utility Cost Management on SDG&E rate audit
- 26. 100% - Refurbished Energy Recovery Turbine No. 124 installed in June



5. Providing a safe, healthful, and rewarding work environment which encourages communication as well as values employee participation and personal achievement.

Objective	Progress Toward Completion
27. Conduct departmental briefings with new board directors prior to the end of March	27. 100% - Completed all department briefings with the new board members
28. Conduct a lunch-and-learn for staff explaining the performance review process, merit system, and merit matrix	28. 100% - Lunch-and-learn on the performance review process and merit system was conducted in May
29. As COVID restrictions previously limited in-person training, hold onsite supervisory skills training; Microsoft Excel computer skills training; and at least two safety-related joint trainings with other local water agencies	29. 100% - Conducted both onsite supervisory and Microsoft Excel training classes in March; two joint CPR/automated external defibrillator training sessions with San Elijo Joint Powers Authority were held in June

5. Providing a safe, healthful, and rewarding work environment which encourages communication as well as values employee participation and personal achievement.

### Objective

### Progress Toward Completion

- 30. Conduct departmental teambuilding exercises for staff to promote cooperation
- 31. Prepare staffing analysis succession planning document; present to Personnel Committee and full board
- 32. Conduct mandated sexual harassment prevention training for supervisors as well as non-supervisors

- 30. 50% - Supervisors and managers are planning a district-wide teambuilding event for September
- 31. 100% - Staffing analysis succession planning document presented to Personnel Committee on March 30 and full board on April 19
- 32. 100% - Completed sexual harassment prevention training for supervisors in February and for non-supervisors in June



5. Providing a safe, healthful, and rewarding work environment which encourages communication as well as values employee participation and personal achievement.

### Objective

### Progress Toward Completion

- 33. Enhance employee health and wellness by hosting a voluntary wellness challenge for all staff
- 34. Initiate construction of the Bob Topolovac Memorial Courtyard
- 35. Reassess the email record retention policy, including a survey of other public agencies, and report findings to the board

- 33. 100% - Voluntary summer wellness challenge for all staff conducted in June
- 34. 30% - Project budget was approved by the board in June as part of midterm budget adjustment; plan to initiate construction in the fall
- 35. 100% - Presented policy and survey findings to the board at its May meeting

## 6. Exceeding all federal, state, and local regulatory requirements for providing potable water, wastewater treatment, and recycled water.

Objective	Progress Toward Completion
36. Complete and submit to California Department of Water Resources the Annual Water Loss Audit utilizing DWR's updated data validity criteria	36. 0% - Planned for fourth quarter; audit due to DWR January 1, 2024
37. Implement appropriate stage of Water Shortage Contingency Plan as necessary	37. 50% - OMWD remains at Level 1 (voluntary), which is appropriate for current supply/demand conditions
38. Register with the US Environmental Protection Agency to perform Unregulated Contaminant Monitoring Rule 5 requirements in 2024 and select a water quality laboratory	38. 75% - OMWD is registered to perform requirements in March 2024; identifying potential water quality laboratories



## 6. Exceeding all federal, state, and local regulatory requirements for providing potable water, wastewater treatment, and recycled water.

### Objective

- 39. Complete the replacement of 50 valves in support of the annual Valve Replacement Project
- 40. Implement improvements at headquarters to enhance Stormwater Pollution Prevention Plan, ensure regulatory compliance, and reduce potential violation exposure
- 41. Continue to develop messaging to protect customers' interests and ensure customer awareness of SWRCB water use efficiency regulations and new legislative requirements

### Progress Toward Completion

- 39. 90% - Staff has replaced 45 valves
- 40. 75% - Construction underway
- 41. 50% - Ongoing; featured in February, April, and June newsletters; in January, March, and April eblasts; in social media; and on OMWD's drought webpage

6. Exceeding all federal, state, and local regulatory requirements for providing potable water, wastewater treatment, and recycled water.

Objective

Progress Toward Completion

Stretch

Continue interdepartmental Stormwater Pollution Prevention Plan committee to provide greater oversight for stormwater issues at headquarters and 4S Ranch Water Reclamation Facility; conduct four quarterly meetings

50% - Held two quarterly meetings



## 7. Minimizing all of OMWD's operational costs while maintaining a high level of customer service.

Objective	Progress Toward Completion
42. Continue to pursue local, state, federal, and private grant funding to offset costs	42. 50% - Ongoing; pursuing \$15,000 in MWD's Member Agency Administered Program funding for OMWD's customer MyWaterUse dashboard outreach; pursuing \$2.5 million Community Project Funding for San Dieguito Groundwater Project from Representative Peters' office
43. Implement campaign to increase customer use of online billing services, targeting 500 accounts newly enrolled in online payments	43. 50% - Ongoing; featured in March bill message; mailed postcard in June; 1,187 newly enrolled customers as of June 13

## 7. Minimizing all of OMWD's operational costs while maintaining a high level of customer service.

Objective	Progress Toward Completion
44. Complete Phase 8 of the Advanced Metering Infrastructure Expansion Project, upgrading over 2,000 meters to AMI technology	44. 100% - Completed upgrade of 2,264 meters to AMI
45. Conduct audit of agricultural customers to confirm eligibility for agricultural programs	45. 100% - Completed agricultural audit; four customers did not meet the eligibility requirements at the start of the audit; one customer recertified and three were removed from the agricultural water rate program
46. Partner with Asterra on satellite leak detection program and present cost-benefit analysis to Ad Hoc Facilities Committee	46. 50% - Continuing "boots on the ground" investigation of points of interest from Asterra report



## 7. Minimizing all of OMWD's operational costs while maintaining a high level of customer service.

Objective	Progress Toward Completion
47. Pilot new acoustic leak monitoring devices in the distribution system and present findings to Ad Hoc Facilities Committee	47. 50% - Piloted two separate platforms; continuing testing on preferred platform
48. Transition customers on the legacy Direct Payment Program to online autopayment to improve data security and customer self-service	48. 50% - Nearly 300 DPP customers have converted to online autopay; notification letter sent in June; outreach plan in place to end DPP before the end of the year

## 7. Minimizing all of OMWD's operational costs while maintaining a high level of customer service.

### Objective

### Progress Toward Completion

#### Stretch

Achieve one or more new grant awards

100% - Received notice of award for \$850,000 from Department of Parks & Recreation for EFRR Visitor Access Expansion Project; received notice of award of \$500,000 from USBR's WaterSMART Grant for the AMI expansion Project (phases 9-10); received notice of award for \$2,000 from MWD's Community Partnering Program for informational signage at 4S WRF

Add 500 new subscribers to the MyWaterUse by AquaHawk digital dashboard

100% - 605 newly enrolled customers as of June 13



## 8. Maintaining open communication and participation with the public through active conservation and educational programs as well as continually seeking customer input for informed decision-making.

Objective	Progress Toward Completion
49. Implement campaign to raise customer awareness on the value/cost of water; report efforts to Ad Hoc Customer Outreach & Conservation Committee	49. 50% - Campaign underway; messaging featured in January newsletter, January and April eblasts, social media, slide in lobby, handout at events, and news release on AAA rating and budget award; highlighted during public tours
50. Implement campaign to raise customer awareness of rebates on water-saving devices; report efforts to Ad Hoc Customer Outreach & Conservation Committee	50. 50% - Campaign underway; messaging featured in February, April, and June newsletters, January and April eblasts, social media, and bill messages

8. Maintaining open communication and participation with the public through active conservation and educational programs as well as continually seeking customer input for informed decision-making.

### Objective

51. Partner with local businesses, vendors, and community organizations on a public service announcement and/or event about water use efficiency

### Progress Toward Completion

51. 50% - Ongoing; planning waterwise landscape workshop with SDCWA, SDWD and SFID for August 1, partnering with SDWD on EcoFest booth in October, participating in Olivenhain Firesafe Council's event in October, partnered with SDCWA, CMWD, and Agua Hedionda Lagoon Foundation for World Water Day event; partnered with Olivenhain Fire Safe Council on Community Wildfire Protection Plan; participated in Carlsbad Chamber of Commerce's Green Business Expo event; (continued on page 25)



**8. Maintaining open communication and participation with the public through active conservation and educational programs as well as continually seeking customer input for informed decision-making.**

**Objective**

51. Partner with local businesses, vendors, and community organizations on a public service announcement and/or event about water use efficiency

**Progress Toward Completion**

51. (continued from page 24)  
partnered with BCK Programs on hydroponic school and local scout troop programs; partnered with SDWD and SFID on April 3 workshop; partnered with SDCWA and California Landscape Contractors Association on April 19 meeting and tour of DCMWTP

**8. Maintaining open communication and participation with the public through active conservation and educational programs as well as continually seeking customer input for informed decision-making.**

### Objective

### Progress Toward Completion

52. Calculate OMWD's water use objective prior to the January 1, 2024 deadline once methodology has been adopted by State Water Resources Control Board

52. 50% - SWRCB has yet to adopt methodology to calculate water use objective, despite their deadline to do so being June 30, 2022; preliminary analysis based on proposed methodology indicates that OMWD customers will not be required to reduce demands

53. Analyze impacts to customers of Metropolitan Water District of Southern California moving to water supply allocations and communicate results to customers

53. 100% - MWD board determined in March that allocations will not be implemented in 2023



## 8. Maintaining open communication and participation with the public through active conservation and educational programs as well as continually seeking customer input for informed decision-making.

Objective	Progress Toward Completion
54. Commemorate 4S Ranch Water Reclamation Facility's 20th anniversary	54. 100% - Commemorative event held in conjunction with National Public Works Week luncheon, anniversary logo featured on polos and letterhead
55. Increase customer/agricultural awareness of hydroponics; report efforts to Ad Hoc Customer Outreach and Conservation Committee	55. 50% - Installed hydroponics tower unit and informational signage in OMWD's demonstration garden; additional unit donated to BCK Programs for use in local school program; BCK Programs will train local scout troops to conduct tower maintenance; featured in SDCWA's Water News Network news release, April newsletter, April eblast, social media, and event handout

## 8. Maintaining open communication and participation with the public through active conservation and educational programs as well as continually seeking customer input for informed decision-making.

### Objective

56. Investigate cost, feasibility, and potential viewer engagement of live public streaming of OMWD public meetings

### Stretch

Win award from California Special Districts Association, Association of California Water Agencies, California Water Environment Association, or other industry group

### Progress Toward Completion

56. 50% - Completed data collection from other agencies; obtained quotes for hardware/upgrades and other less expensive alternatives; presenting to full board in August

100% - 4S WRF won CWEA's 2023 Plant of the Year award at both the local and state levels; won APWA's Project of the Year for Manchester Potable Pipeline Project; won Industrial Environmental Association's Environmental Excellence Award for Recycled Water Pipeline Extension 153A Project; won California Society of Municipal Finance Officers' Operating Budget Excellence Award



**9. Ensuring that financial plans, policies, and practices maintain the ability of OMWD to construct, operate, and maintain all approved facilities including replacement funds for future needs.**

**Objective**

**Progress Toward Completion**

57. Conduct annual review of water and wastewater rates and charges

57. 100% - Completed annual review of water rates and charges in February; completed annual review of wastewater rates and charges in May

58. Complete water capacity fee study update

58. 95% - Results of capacity fee study were presented to Finance Committee and full board in May; board set a July 19 public hearing on proposed water capacity fees for 2023

**9. Ensuring that financial plans, policies, and practices maintain the ability of OMWD to construct, operate, and maintain all approved facilities including replacement funds for future needs.**

### Objective

### Progress Toward Completion

59. Conduct request for proposal (RFP) process for auditing services

59. 100% - Two proposals were received; staff will interview both auditing firms in August; recommended audit firm will be considered by the board at its December meeting

60. Complete audit and Fiscal Year 2023 Annual Comprehensive Financial Report

60. 20% - Interim financial audits began in June

61. Complete midterm budget adjustment in June

61. 100% - Final midterm budget adjustments approved by the board in June



**9. Ensuring that financial plans, policies, and practices maintain the ability of OMWD to construct, operate, and maintain all approved facilities including replacement funds for future needs.**

**Objective**

**Progress Toward Completion**

Stretch

Maintain annual revenue adjustment at or below prior-year inflation adjustment

50% - Pending board approval in fall 2023; staff is proposing less than 7% revenue adjustment for 2024 water rates and charges; San Diego/Carlsbad CPI for 2022 was 7.7% based on SDCWA's CY 2024 rates and charges presentation at its May Administrative & Finance Committee budget meeting

## 10. Planning and constructing the Master Plan of Facilities to meet the long-term water storage, treatment, transmission, and distribution needs of OMWD.

Objective	Progress Toward Completion
62. Present to Ad Hoc Facilities Committee the results and recommendations from DCMWTP condition assessment and plan for moving forward	62. 50% - Completed condition assessment; awaiting results and recommendations from consultant
63. Complete hydraulic model calibrations in support of Potable Water and Recycled Water Master Plan updates	63. 30% - Hydraulic model updates underway
64. Commence update to Wastewater Master and Capital Improvement Plan	64. 50% - Reviewing proposals received in response to RFP



**11. Establishing programs and policies to develop alternative water supplies to serve existing and future customers.**

**Objective**

**Progress Toward Completion**

- 65. Continue water rights and facility planning investigation for the San Dieguito Valley Groundwater Project and present update to board
- 66. Coordinate tours for board members of existing brackish groundwater desalination facilities similar in size to proposed OMWD facility

- 65. 50% - Ongoing; special board meeting held on May 31
- 66. 10% - Ongoing; two potential facilities have been identified

**12. Cultivating supportive and positive relationships with the federal, state, and local agencies which may impact OMWD's operations.**

**Objective**

**Progress Toward Completion**

67. Engage and influence SWRCB regulations and water use efficiency legislation utilizing OMWD's advocate in Sacramento

67. 50% - Ongoing; provided input on AB 1572 and AB 1573, relating to the ban on irrigating non-functional turf; provided input on new SWRCB monthly drought and conservation reporting; provided comment letter to SWRCB on Proposed Regulatory Framework for Making Conservation a California Way of Life; provided input on AB 30, relating to atmospheric river research; and provided input on AB 838, AB 1072, and AB 755, relating to water affordability, financial incentives, and cost of service studies, respectively



## 12. Cultivating supportive and positive relationships with the federal, state, and local agencies which may impact OMWD's operations.

Objective	Progress Toward Completion
68. Conduct emergency training at EFRR with Rancho Santa Fe Fire Protection District	68. 10% - This training will be focused on an off-road transport vehicle which is on order by RSFFPD; training will be conducted once vehicle is available
69. Continue efforts with Solve the Water Crisis coalition, focusing on educating legislators and conducting media events	69. 50% - Ongoing; working with coalition to generate awareness and educate policymakers; support is now focused on collaborating on SB 366 and "CA Water for All" with California Municipal Utilities Association, which is now a two-year bill

**12. Cultivating supportive and positive relationships with the federal, state, and local agencies which may impact OMWD's operations.**

**Objective**

70. Conduct series of educational presentations to board with speakers from external agencies

**Progress Toward Completion**

70. 50% - Encina Wastewater Authority presented on its Encina Wastewater Potable Reuse Project at the January 18 board meeting; PFM Asset Management presented on OMWD's investment in the California Asset Management Program at the February 15 board meeting; California Bank & Trust presented on its strength and stability in light of recent financial institution failures at the April 19 board meeting



# Tiger Team Report

Fiscal Year 2023



## Grants and Alternative Funding

### Awarded

- \$500,000—Awarded USBR's WaterSMART Water and Energy Efficiency program funding for AMI phases 9 and 10
- \$2,000—Awarded MWD Community Partnering Program funding for 4S WRF education signage

**Total Awarded**  
**\$502,000**

## Cost Savings

- No cost-saving events or programs took place during second quarter of FY 2023

**Total Cost Savings**  
**\$0**

# Tiger Team Report

Fiscal Year 2023



## Grants and Alternative Funding

### Under Pursuit

- *\$90,000—Pursuing funding for pipeline leak detection from MWD's Leak Detection & Repair Grant Program*
- *\$2,000—Pursuing ACWA JPIA wellness grant for OMWD's Safety and Wellness Program*
- *\$50,850—Pursuing Federal Emergency Management Agency COVID funding*
- *\$TBD—Pursuing American Rescue Plan Act's Coronavirus Local Fiscal Recovery Fund (requested funds toward \$2,984,370 in unmet needs)*
- *\$2,000—Pursuing funding for DCMWTP education signage through MWD's Community Partnering Program*
- *\$15,000—Pursuing MWD's Member Agency Administered Program funding for MyWaterUse customer dashboard outreach*
- *\$2,500,00—Pursuing Community Project Funding from Representative Peters' office for San Dieguito Groundwater Project*

**Total Pursued**

**\$2,659,850**



# Tiger Team Report

## Alternative Revenue



**OLIVENHAIN MUNICIPAL WATER DISTRICT  
SCHEDULE OF OTHER BUSINESS (NON-WATER RELATED) REVENUES  
FOR THE THREE MONTHS ENDED MARCH 31, 2023 (UNAUDITED)**

	ACTUAL	SIX MONTH BUDGET
REVENUES:		
CELL SITE LEASES + RENTAL	171,089	203,750
MISCELLANEOUS INCOME	7,895	
ROGER MILLER HYDROELECTRIC REVENUES	15,874	25,000
CB&T VISA CASH INCENTIVE*	4,977	N/A
ESTIMATED DCMWTP ENERGY OFFSETS**	106,503	N/A
	<u>306,337</u>	<u>228,750</u>
 TOTAL REVENUE FOR THE THREE MONTHS ENDED MARCH 31, 2023	 <u><u>306,337</u></u>	

Notes:

\*This amount is neither recorded nor budgeted until fully realized.

\*\* This is an unrealized revenue. This amount is calculated for internal reporting only.

**Total alternative revenue in third quarter of FY 2023: \$306,337**



# Tiger Team Report



## Summary

Total FY 2023 grant and alternative funding, alternative revenue, and cost savings (less fourth quarter alternative revenue):

\$808,337

*Total grant funding and potential alternative funding sources under pursuit:*

\$2,659,850

## Since Inception of the Program (2005)

Total grant funding and cost savings to date:

\$49,603,401

Total alternative revenue generated to date:

\$18,143,355

# Memo

**A**

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS  
PRESIDENT

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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

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Any written report will be attached; any oral report will be provided at the time of the Board Meeting.

July 19, 2023

Board of Directors  
Olivenhain Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024

The following are brief highlights of the District's departmental operations for the month of  
**June 2023:**

<b>Operations &amp; Maintenance</b>	<b>June 2023</b>	<b>May 2023</b>
<b>David C. McCollom Water Treatment Plant (DCMWTP) Total Production</b>	599.5 million gallons	588.3 million gallons
<b>DCMWTP Average Daily Production</b>	20 million gallons	19 million gallons
<b>DCMWTP Peak Day Production</b>	23.7 million gallons	22.3 million gallons
<b>Source Water Blend (% State Project Water)</b>	40	20
<b>Total Deliveries to Vallecitos Water District</b>	298.40 acre feet 97.2 million gallons	319.74 acre-feet 104.1 million gallons
<b>4S and Rancho Cielo Sewer Systems Total Inflow</b>	37.16 million gallons	39.21 million gallons
<b>4S and Rancho Cielo Sewer Systems Average Daily Inflow</b>	1,288,726 gallons	1,264,817 gallons
<b>4S and Rancho Cielo Sewer Systems Peak Day Inflow</b>	1,316,482 gallons	1,344,399 gallons
<b>4S and Rancho Cielo Sewer Systems Low Day Inflow</b>	1,143,868 gallons	1,190,103 gallons
<b>4S Water Reclamation Facility (4SWRF) Average Daily Production</b>	869,263 gallons	835,848 gallons
<b>4SWRF Peak Day Production</b>	1,213,696 gallons	1,111,267 gallons
<b>4SWRF Total to Recycled Water Distribution System</b>	26.07 million gallons	25.9 million gallons
<b>4S Recycled Water Storage Pond Volume</b>	232 acre feet	298 acre-feet
<b>Repaired Potable Water Main Leak(s)</b>	1	0
<b>Repaired Potable Water Service Lateral Assembly Leak(s)</b>	3	3
<b>Repaired Recycled Water Main Leak(s)</b>	0	0
<b>Repaired Recycled Water Service Lateral Leak(s)</b>	0	0
<b>Repaired Hit Fire Hydrant Lateral Assembly Leak(s)</b>	1	1
<b>Replaced Valve(s) Monthly Total</b>	8	9
<b>Replaced Valve(s) Calendar Year to Date</b>	51	43
<b>Recycled Water Use Site Inspections &amp; Visits</b>	31	22
<b>Recycled Water Use Site Cross Connection Tests</b>	8	3
<b>Cross Connection Site Surveys</b>	1	2
<b>Backflow Inspections &amp; Testing (New)</b>	5	5
<b>IT Help Requests</b>	24	34
<b>Customer Services</b>	<b>June 2023</b>	<b>May 2023</b>
<b>Customer Calls and Inquiries</b>	1,872	2,051
<b>Total Monthly Bills Issued</b>	22,952	22,970
<b>Service Orders</b>	656	638
<b>New Potable Meters</b>	1	2
<b>New Fire Meters</b>	0	0
<b>New Recycled Water Meters</b>	0	0

Advanced Metering Infrastructure (AMI)	139	157
Troubleshooting Investigations		
Customer Services - Continued	June 2023	May 2023
Automated Meter Reading (AMR) Troubleshooting	31	30
Stopped/Underperforming Meters Replaced	53	36
Meter Transceiver Units (MXU) Upgraded to AMI	157	244
Meter Accuracy Tests Performed	0	0
Water Use Evaluations	5	4
Water Use Violation Reports	0	2
Workshops, Events, and Tours	2	1
High-Efficiency Clothes Washer Rebate Applications	11	4
Weather-Based Irrigation Controller Rebate Applications	16	19
Hose Irrigation Controller Rebate Applications	0	0
High-Efficiency Rotating Nozzle Rebate Applications	0	1
High-Efficiency Toilet Rebate Applications	0	1
Rain Barrel Rebate Applications	1	0
Flow Monitor Device Rebate Applications	1	3
Turf Removal Project Rebate Applications	3	2
Social Media Posts	17	30
News Releases/Media Advisories	3	3
EFRR	June 2023	May 2023
Special Use/Event Permits	5	3
Parking Notices	55	88
Incident Reports	5	3
Vehicle Count	4,184	4,691
Trail Use Count	9,114	8,649
Days Closed Due to Rain/Red Flag	0	0
Days Interpretive Center (IC) Open	14	13
Number of IC Visitors	353	377
Volunteer Trail Patrol Shifts	3	3
Volunteer Docent Hours	63	73
Total Number of Docents	61	61
Finance	June 2023	May 2023
Infosend Payments (ACH and Credit Card)	12,325	12,554
OMWD Auto Debit Payments	1,909	1,938
California Bank & Trust Lockbox Payments	2,861	3,208
Over the Counter Payments	351	268
Check-free, Metavante and Chase	4,388	4,775
Finance Calls and Walk-ins	62	69
Service Orders Processed	18	13
Service Orders Closed Out	0	5
Purchase Orders	14	13
Inventory Items Received	1,347	405
Invoices Processed	587	423
Payroll Direct Deposits Processed	240	244
Accounts Payable Checks and Electronic Fund Transfers	324	438



## **ENGINEERING DEPARTMENT**

### **Engineering Manager Lindsey Stephenson Highlights for June 2023:**

4S Ranch Neighborhood 1 Sewer Pump Station Replacement Project continues to progress through construction, with anticipated bypass piping installations and excavations continuing. Coordination efforts continued with County of San Diego on probable leak of storm drain adjacent to the project site. The Asphalt and Concrete Maintenance Project construction commenced in June, starting with the upper lot. Staff continued planning and design efforts on multiple CIP projects. Staff continues to handle developer requests, continues to assist other departments with engineering-related work, and continues to manage OMWD's right of ways and cell sites.

## **HUMAN RESOURCES DEPARTMENT**

### **Human Resources Manager Jennifer Joslin Highlights for June 2023:**

Human Resources staff conducted new hire orientations and safety training for three new Utility I employees. Finalized the annual performance review process, calculated merit increases, prepared personnel recommendation forms, and updated pay rates in the payroll system for all eligible employees. Held a Human Resources/Employee Association (HEART) Committee meeting to review the new Collection System Operator I/II/III job description. Records staff processed a public records request. Organized a June "Summer Jumpstart Wellness Challenge" for interested staff consisting of daily workout routines. Safety staff coordinated First Aid/CPR/AED training sessions and facilitated forklift training for all required staff. Attended the Water Utility Safety Management Association (WUSMA) quarterly meeting. Held a Safety Sub-Committee meeting. Assisted with hosting Association of California Water Agencies Joint Powers Insurance Authority (ACWA JPIA) representatives during an orientation and tour of District facilities.

## **OPERATIONS & MAINTENANCE**

### **Operations Manager Geoff Fulks Highlights for June 2023:**

Source water has been a challenge at the DCMWTP with the increasing blend of water from the State Water Project. There were a few slugs of high turbidity water which impacted the plant inlet strainers and the membrane process, resulting in more frequent strainer backwashes and lower filter permeability. Plant operators adjusted accordingly and have maintained the required treated water deliveries daily. Energy Recovery Turbine 124 was recommissioned and is back in service. SysOps has worked closely with Engineering and Ardurra on the Potable Water/Recycled Water Master Plan Update, installing pressure recorders throughout the Recycled NW Quad. SysOps conducted a free Chlorine treatment at the 4G reservoir to combat nitrification and successfully resolved the issue. SysOps replaced the 16" Cla Valve at the Miller Altitude Vault. Construction completed the FY 2023 Valve Replacement Project, replacing over 50 valves in the distribution system. Instrument Control Technicians commissioned the backup generator at the 4SII reservoir site. IT staff continue to work on the Dell Data Domain and Firewall configurations and deployed 9 new laptops and decommissioned 10 legacy devices. Operators at the 4S WRF started the annual flow meter and scale calibrations.

## **CUSTOMER SERVICES DEPARTMENT**

### **Customer Services Manager John Carnegie Highlights for June 2023:**

Published June issue of *Watching Water* newsletter; held facilities tour for La Costa Glen retirement community; submitted to California's Department of Water Resources the Annual Water Supply Demand Assessment; participated in SDCWA's Regional Water Loss Control Group meeting; mailed approximately 6,700 postcards to customers to encourage electronic payment adoption; mailed 1,514 letters to customers enrolled in OMWD's Direct Payment Program to encourage them to transition to online autopay; submitted comment letters to California Senate Natural Resources and Water Committee in support of Governor Newsom's Administration Infrastructure Package, California Senate Natural Resources and Water Committee in support of AB 30, California Senate Environmental Quality Committee in support of AB 1594, California Assembly Local Government Committee in support of SB 411, and US Senate Committee on Environment and Public Works on the draft perfluoroalkyl substances legislative language; participated in a meeting with WaterReuse and several wastewater providers to discuss a variance with SWRCB on customer indoor water use standards; completed the Professional Services Agreement process for WaterSmart landscape services, which includes customer water use evaluations, for Fiscal Year 2024; and concluded 2023 WaterSmart Landscape Contest.

At EFRR, hosted nine Escondido Creek Conservancy summer camps and concluded sixteenth annual amateur photo contest.

## **FINANCE DEPARTMENT**

### **Finance Manager Rainy Selamat Highlights for June 2023:**

Completed mid-term budget adjustments process for fiscal year 2024 and obtained approval from the Board; completed Cost Allocation Plan and updated OMWD indirect rate; worked on fiscal year 2023/24 sewer billing calculations for submission to the County Assessor's Office tax rolls; completed fiscal year 2022/23 closing procedures on all accounting modules; staff continued working on interim audit process and completed all schedules requested by the District's auditors; completed water capacity fee update and helped Raftelis consultants complete draft water capacity fee study report for consideration by the Board; and completed Title XVI first claim disbursements of about \$1 million to five partner agencies.

## **ASSISTANT GENERAL MANAGER:**

### **The Assistant General Manager reports the following for June 2023:**

Attended the Industrial Environmental Association's Environmental Excellence Awards Luncheon, San Diego North Economic Development Council Chairman's Dinner and Board Meeting and the San Diego Regional Water Management Regional Advisory Committee meeting, worked with North San Diego Water Reuse Coalition partners on Local Project Sponsor (LPS) and Local Project Participant (LPP) agreement, engaged in meetings with consultants and continued project management efforts on San Dieguito Valley Brackish Groundwater Project, participated Association of California Water Agencies Joint Powers Insurance Authority OMWD orientation, dedicated significant time to personnel matters, employee recruitment, and claims management.

**GENERAL MANAGER:**

**The General Manager reports the following for June 2023:**

General Manager Thorner attended the Environmental Training Symposium and Conference, listened to and reported on the LAFCO Detachment Public Hearing, held a Human Resources/Employee Association Team (HEART) Committee Meeting, attended the Member Agency Managers Meeting, attended the Santa Fe Irrigation District's 100-Year Anniversary event, participated in the North County Work Group Meeting, attended the North County Managers Meeting, held an Association of California Water Agencies Joint Powers Insurance Authority OMWD orientation, dedicated significant time to meeting about SDCWA rates, annual employee reviews, reviewing the ACWA JPIA employee handbook feedback, preparing for trial, board member briefings, and personnel matters.

# Memo

C

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS  
CONSULTING ENGINEER

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Any written report will be attached; any oral report will be provided at the time of the Board Meeting.

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## 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: July 10, 2023

This is a report on the One Water and Stewardship Committee, the Engineering, Operations, and Technology Committee, and the Finance, Audit, Insurance and Real Property Committee meetings, held on July 10 and 11, 2023. This report is based on the Board webcast, reports and memorandums.

Finance, Audit, Insurance, and Real Property Committee – No update was provided for water transactions, revenues, or expenses.

One Water and Stewardship Committee –

1. Addition of a Tree Rebate to the Turf Replacement Program - Staff is considering adding a tree rebate to the turf replacement program. They are proposing \$100 per tree, with a maximum of five trees, a 15-gallon minimum size, edible fruit trees would be allowed. The proposed rebate will be brought to the Board in the Fall/Winter of 2023. Benefits include:
  - a. Urban cooling and energy conservation.
  - b. Tree root infiltration increases water storage in the soil.
  - c. Replacing turf with trees and California Friendly plants will reduce water use by at least 30 percent.
  - d. Increased green spaces and urban forest.
  - e. Carbon sequestration.
2. Colorado River Inflation Reduction Act, Bucket 2 Funding –
  - a. The funding is available to Colorado River delivery contractors and their partners. It is for capital costs only, no operation or maintenance costs. Proposers must be able to show that they can continue to operate the projects. USBR has the ability to reduce future deliveries by the amount the proposers are claiming will be saved.
  - b. The purpose is to reduce consumptive use and add new supplies, to support Lake Mead.



## MEMORANDUM

Metropolitan Water District of Southern California

July 10, 2023 Committee Meetings

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- c. The main elements are member agency partnerships, landscape transformation, and storage.
  - d. Proposals are due on July 19, 2023 and MWD is working on several. They did not discuss the specific proposals, as this is a competitive process and they did not want others to know their proposed projects. Some generic projects include changing crop types and seasonal fallowing, where land is irrigated and productive in the cool months, and fallowed during the hot months. Palo Verde Irrigation District is a possible partner.
3. Colorado River – The water level in Lake Powell has risen 65 feet over the past three months but inflow is starting to decrease. There is 5.5 MAF more in Lake Powell today than there was a year ago. This is due to above average snowfall but also due to a 20 percent reduction in water use by the Lower Basin states.
  4. 2023 Supply, Demand, and Dry-Year Storage – MWD estimates their supply at 3.09 MAF and demand at 1.56 MAF. The difference will be placed into storage. Currently, MWD staff have identified places to store all of the water except 420 TAF. MWD's end-of-year dry-year storage is projected to be 3.3 MAF.

### Engineering, Operations, and Technology Committee –

1. June 2023 Demands - 97 TAF, while the June 2022 demands were 148 TAF. The June demands were the lowest since 1979.
2. SWP Water Delivered to Lake Skinner and the Skinner Water Treatment Plant – 50 percent and increasing.
3. SWP Storage – SWP carryover storage is being maximized. The flexible storage in Lake Perris and Castaic Lake has been filled. Diamond Valley Lake is filling and is currently approximately 75 percent full.
4. Taste and Odor Issue at Lake Skinner – Lake Skinner had an algal bloom causing a taste and odor issue. MWD has adjusted operations and applied copper sulfate to the Lake to avoid impacts to member agencies.
5. Upgrades to the MWD Water Quality Lab – MWD is in the preliminary design phase of upgrades to provide an additional 30,000 square feet of space, with a revised space plan. The upgrades will address expanded testing requirements including wastewater reuse, PFAS, micro plastics, and other contaminants of emerging concern. Room is needed for new equipment, storage of supplies, storage of water samples, and record keeping. The cost of

## MEMORANDUM

Metropolitan Water District of Southern California

June 12, 2023 Committee and Board Meetings

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the upgrade is currently estimated at between \$100 and \$130 million.

CIP – Capital Improvement Program

CRA – Colorado River Aqueduct

CWA – San Diego County Water Authority EIS – Environmental Impact Statement

DWR – State of California Department of Water Resources

MGD – Million Gallons per Day

MAF – Million acre-feet

MWD – Metropolitan Water District of Southern California

PFAS – Per and Polyfluorinated Substances

SWP – State Water Project

TAF – Thousand acre-feet

SWRCB – State Water Resources Control Board

USBR – United States Bureau of Reclamation

# Memo

D

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

GENERAL COUNSEL

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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:** July 19, 2023

**RE:** Attorney Report: Government Immunity and Clean Water Act  
150152-0005

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## **I. INTRODUCTION.**

This attorney report provides an update on two recent legal developments. First, in *Tansavatdi v. City of Rancho Palos Verdes* (2023) 14 Cal.5th 639 (“*Palos Verdes*”), the California Supreme Court ruled that a public entity may be held liable for failure to warn of a dangerous condition of public property, even if the dangerous condition is covered by design immunity.

In *Palos Verdes*, a bicyclist was struck and killed by a truck while riding through an intersection without a bike lane. The City previously approved a street design where the bike lane was discontinued for a block to allow for street parking. The Court concluded that while design immunity generally shields local agencies from a dangerous condition claim, the immunity does not apply if the plaintiff can establish (1) the public entity was aware of the dangerous condition; (2) the dangerous condition was not reasonably apparent to a person exercising due care; and (3) the absence of a warning was a substantial factor in bringing about the injury.

Second, on May 25, 2023, the United States Supreme Court released its highly anticipated opinion in *Sackett v. Environmental Protection Agency*, delineating the appropriate standard to determine waters of the United States (“WOTUS”) under the federal Clean Water Act (“CWA”). The Supreme Court’s decision significantly limits the federal government’s jurisdiction under the CWA. The Supreme Court held that for purposes of the CWA, the term “waters” refers only to geographical features that are described in ordinary parlance as “streams, rivers, oceans, and lakes” and adjacent wetlands that are “indistinguishable” from those bodies of water due to a “continuous surface connection.”

The U.S. Supreme Court’s decision redefines the CWA by removing federal jurisdiction and permitting requirements from most wetlands throughout the country and other water bodies without an indistinguishable and continuous surface connection to a protected water.

## **II. GOVERNMENT IMMUNITY.**

In *Palos Verdes*, the California Supreme Court clarified the failure to warn test for local agency design immunity. In *Palos Verdes*, the California Supreme Court limited the projection under Government Code section 830.6, which protects public entities from claims alleging dangerous conditions on public property (1) if the design was approved by a public agencies' legislative body or its designee, and (2) substantial evidence supports the reasonableness of the approval.

The *Palos Verdes* case involved a young boy riding his bicycle who was killed by a semi-trailer while waiting at an intersection stoplight in the city of Rancho Palos Verdes, California. The intersection had no bike lane. The mother of the bicyclist, Betty Tansavatdi ("Tansavatdi"), sued the City alleging a cause of action for dangerous conditions on public property. Tansavatdi alleged multiple claims against the City for dangerous condition on public property and a failure to warn cyclists of that dangerous condition, i.e., the absence of the bike lane.

The City brought a motion for summary judgment arguing that it was protected from liability for the dangerous condition claim under the design immunity defense pursuant to Government Code section 830.6. The City also argued that the design immunity defense barred liability for any failure to warn claim. The trial court granted the City's motion for summary judgment concluding that the City had shown entitlement to design immunity as a matter of law. Tansavatdi appealed.

The California Supreme Court affirmed the appellate court's reversal of summary judgment for the City. In so doing, the Supreme Court held that design immunity does not categorically preclude failure to warn claims that involve a discretionarily approved element of a roadway. Furthermore, while the Government Claims Act's design immunity provision immunizes against liability for having created a dangerous traffic condition, it does not necessarily bar liability for failing to warn of a known dangerous traffic condition.

Accordingly, a public entity may be entitled to design immunity protection, but still be held liable for failure to warn if the plaintiff establishes the following elements:

1. The public entity had actual or constructive notice that its design resulted in a dangerous condition;
2. The dangerous condition qualified as a concealed trap, i.e., the condition would not have been reasonably apparent to, and would not have been anticipated by, a person exercising due care; and



3. The absence of a warning sign was a substantial factor in causing the injury.

The Supreme Court remanded the case back to the trial court for a determination of whether the City is liable under this three-part test.

### **III. CLEAN WATER ACT.**

The U.S. Supreme Court's split decision in *Sackett v Environmental Protection Agency* ("Sackett"), sets forth a new standard to determine which water bodies are subject to federal jurisdiction under the CWA. In *Sackett*, the Supreme Court significantly reduced the reach of the CWA, finding the federal government's jurisdiction extends only to (1) those waters with geographical features commonly considered to be "streams, rivers, oceans, and lakes;" and (2) adjacent wetlands that are "indistinguishable" from those bodies of water due to a "continuous surface connection."

The Supreme Court's ruling is a critical blow to the "significant nexus" standard originally established by Justice Kennedy's majority opinion in *Rapanos v. United States*, 547 U.S. 715 (2006), and recently memorialized by the Biden Administration's "Revised Definition of Waters of the United States." The "significant nexus" standard set a controversially expansive definition of the CWA, resulting in decades of litigation and multiple federal statutory revisions.

#### **A. Clean Water Act Background.**

Congress enacted the CWA with a stated purpose to restore and maintain the chemical, physical, and biological integrity of the Nation's waters. The CWA extends to all navigable waters, defined as "waters of the United States, including the territorial seas" and prohibits those without a permit from discharging pollutants into those waters. The term "waters of the United States" is not defined further within the CWA thereby leaving federal agencies, through regulation and policy guidance, to attempt to define what constitutes a WOTUS – including what wetlands are WOTUS. Courts have then been tasked, and rarely reached consensus, on identifying the boundaries of the geographic reach of "waters of the United States" to guide the scope of regulatory jurisdiction under the CWA.

The United States Environmental Protection Agency ("EPA") and the U.S. Army Corps of Engineers ("Corps"), collectively (the "Agencies") have modified the WOTUS definition more than a handful of times. Upon initial enactment of the CWA, the Corps adopted the traditional judicial term for navigable waters – that the waters must be "navigable in fact." In 2008, after the U.S. Supreme Court decision in *Rapanos*, the Agencies released guidance for the CWA asserting jurisdiction over "wetlands adjacent to traditional navigable waters."

In 2015, under the Obama Administration, the Agencies issued the Clean Water Rule that amended the WOTUS definition to include eight categories of jurisdictional waters, including non-adjacent wetlands and other non-navigable water bodies. In 2019, under the Trump Administration, the Agencies repealed the 2015 rule and restored the pre-2015 WOTUS definitions. In 2020, the Agencies under the Trump Administration issued the Navigable Waters Protection Rule, which narrowed the conditions upon which non-adjacent wetlands would be considered WOTUS; however, this rule was vacated in 2021 by a federal district court in Arizona, thereby prompting the Agencies' re-implementation of the pre-2015 WOTUS definitions.

On March 20, 2023, under guidance from the Biden Administration, the "Revised Definition of Waters of the United States" went into effect. The 2023 WOTUS Rule relies heavily on the pre-2015 regulatory framework and associated case law, while simultaneously reinvigorating the "significant nexus" standard delineated by Justice Kennedy in *Rapanos*.

Contemporaneous to the Agencies' various iterations of the WOTUS definition, the Supreme Court provided parallel jurisprudence guiding the interpretation of WOTUS. In 1985, the Court held that wetlands actually abutting traditional navigable waterways were considered WOTUS. In 2001, the Court held that WOTUS does not include "nonnavigable, isolated, intrastate waters" in its decision in *Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers*.

In 2006, the Court issued its fragmented opinion in *Rapanos v. United States*, holding that the CWA does not regulate all waters and wetlands. The Court failed, however, to provide a majority approach to determining the scope of the federal government's CWA jurisdiction. Justice Scalia, writing for the plurality, argued that wetlands which have a contiguous surface water connection to regulated waters "so that there is no clear demarcation between the two" are adjacent and may then be regulated as WOTUS. The concurring opinion, authored by Justice Kennedy, advanced a broader "significant nexus" test allowing regulation of wetlands as WOTUS if wetlands "alone or in combination with similarly situated lands...significantly affect the chemical, physical, and biological integrity of other covered waters understood as navigable in the traditional sense."

## **B. The Sackett Case.**

In 2004, near Idaho's Priest Lake, the Sacketts purchased a residential lot they planned to develop. In 2007, shortly after the Sacketts began filling the lot with sand and gravel, the USEPA issued an administrative compliance order stating that the property contained wetlands subject to CWA protection. In 2008, the Sacketts brought suit against the USEPA asserting that the agency's jurisdiction under the CWA did not encompass their property. Various aspects of the case have been slowly making their

way up and down the federal court system. In 2021, the Ninth Circuit Court of Appeals considered whether the Sackett's Idaho property contained wetlands subject to CWA jurisdiction. The Sacketts argued that Justice Scalia's reasoning in *Rapanos* controlled because their property does not have a continuous surface connection to a navigable water. The Ninth Circuit disagreed and ultimately upheld Justice Kennedy's "significant nexus" test as the controlling authority in the Ninth Circuit. On September 22, 2021, the Sacketts submitted their petition for writ of certiorari to the Supreme Court requesting that the Court revisit its decision in *Rapanos*. On January 24, 2023, the Sackett's petition was granted.

### **C. The Supreme Court's Analysis.**

The Supreme Court granted the Sackett's petition to consider whether the Ninth Circuit set forth the proper test for determining whether wetlands are WOTUS under the CWA. Justice Alito, writing for the five-Justice majority opinion, stated that the CWA only applies to "wetlands with a continuous surface connection to the bodies that are 'waters of the United States' in their own right,' so that they are 'indistinguishable' from those waters."

The majority opinion ended the "significant nexus" test for jurisdictional waters and wetlands from Justice Kennedy's plurality opinion in the 2006 decision *Rapanos v. United States*. Justice Alito and the majority largely adopted a narrower test proposed in Justice Scalia's four-justice opinion in *Rapanos* test to determine the meaning of "the waters of the United States" that are protected by the federal CWA. The two prong-test to determine jurisdiction over an adjacent wetland requires:

- (1) "that the adjacent [body of water constitutes]... 'water[s] of the United States' (i.e. a relatively permanent body of water connected to traditional interstate navigable waters)"; and
- (2) "that the wetland has a continuous surface connection with water, making it difficult to determine where the 'water' ends and the 'wetland' begins," or that it is "indistinguishable" from the water.

All nine justices agreed that the Sackett's property at issue in the case was not subject to federal CWA jurisdiction and permitting. However, Justices Kagan, Sotomayor, Jackson, and Kavanaugh all asserted that the narrow test put forward by the majority went beyond the intention of the CWA and would therefore not protect a significant number of wetlands. Justices Thomas and Gorsuch published a concurring opinion agreeing with the test and conclusion, but felt that the majority opinion did not go far enough to define "navigable" and "of the United States."

Justices Kagan, Sotomayor and Jackson's concurrence disagreed with the two-

part test put forward by the majority. Rather, the Justices argued that the longstanding application of the CWA permits the EPA and the Corps to have jurisdiction over the wetlands that are “(i) contiguous to or bordering a covered water, or (ii) separated from a covered water only by a manmade dike or barrier, natural river berm, beach dune, or the like.” The concurrence goes on to find that the Majority’s conclusion removes protections for wetlands under category (ii).

Justice Kavanaugh also wrote a concurrence that was joined by Justices Kagan, Sotomayor, and Jackson. Justice Kavanaugh’s opinion argued that wetlands that are adjacent to waters covered by the CWA are also covered and protected. Justice Kavanaugh agreed with the decision not to adopt the significant nexus test but asserted the test created by the Majority departs from the CWA’s text, which refers to “adjacent wetlands.” Justice Kavanaugh’s opinion argued that the CWA does not require the continuous surface connection that the majority decision required, as put forward by the majority. Specifically, Justice Kavanaugh would have held that the “term ‘adjacent’ is broader than ‘adjoining’ and does not require that the two objects actually touch.”

Justice Alito’s majority opinion reversed and remanded the matter for further proceedings and directly addressed the current Agencies’ definition of WOTUS, finding that requiring a significant nexus to traditional navigable waters “lacks merit” for the following reasons:

- The Agencies’ interpretation is inconsistent with the CWA because (1) Congress was not clear that it wanted to alter the federal/state balance of power over private property when it enacted the CWA, and (2) the EPA’s interpretation of “significant nexus” gives rise to serious vagueness concerns in light of criminal penalties; and
- The Agencies’ argument that Congress ratified the regulatory definition of “adjacent” when the CWA was amended to include reference to “adjacent” wetlands fails because adjacent cannot include wetlands that are merely nearby covered waters, and fails in the face of Congress’ failure to amend the CWA.

#### **D. Implications.**

The Court’s decision ends federal CWA protections and permitting requirements for all wetlands in the United States that either (1) lack a continuous surface water connection to a body of water that is subject to CWA jurisdiction, or (2) are “distinguishable” from the adjacent water body. According to a 2017 analysis of the Trump Administration’s proposed definition of Waters of the United States by the Environmental Protection Agency and Army Corps of Engineers, the first exclusion would remove 51% of the nation’s wetlands from federal CWA jurisdiction.

It is not clear how the Agencies and the courts will apply the second, and new, “indistinguishable” standard in the coming months and years, but it will certainly remove some amount of additional wetlands from federal jurisdiction. Wetlands no longer under federal CWA jurisdiction are no longer subject to federal permit requirements, protections, or mitigation requirements of Section 404 of the CWA, and no longer require Section 401 state water quality certifications, if they are drained or filled. They are also no longer protected against or subject to permit requirements for pollution discharges into them under Section 402 of the CWA.

California and several other states have asserted state protections and permitting requirements for wetlands no longer protected by the CWA. In many other states across the country, the decision removes all protections and permitting requirements for draining and filling wetlands that are “distinguishable” from water bodies under federal jurisdiction.

#### **E. Next Steps.**

On June 26, 2023, the EPA and the Corps announced their intent to amend the Biden administration’s January 2023 WOTUS rule and issue a new final rule by September 1, 2023 – without first publishing a proposed rule and seeking public comment. The new rule will update the January 2023 WOTUS rule to be consistent with the United States Supreme Court’s holding in *Sackett*, and is intended to resolve current regulatory uncertainty regarding the federal government’s jurisdiction under the CWA.

The Administrative Procedure Act (“APA”) provides limited exceptions from the usual rulemaking process – *when the agency has “good cause” to find the usual proposed rulemaking notice and comment process would be “impracticable, unnecessary, or contrary to public interest,” the agency may skip this step and proceed to issuing a final rule.* The Agencies may take the position that issuing a proposed rule is unnecessary because the administration already completed the typical APA process in connection with its issuance of the January 2023 WOTUS rule, which is the same rule they are now amending. The Agencies may also view the notice and comment process as contrary to the public interest because it would further prolong this period of regulatory uncertainty.

However, if the Agencies receive substantive adverse comments during the period between publication of the final rule in the Federal Register and the rule’s effective date (here, likely 60 days after the September 1st publication, so October 31, 2023), then the Agencies must withdraw the final rule prior to the effective date and pursue the normal rulemaking process (starting with a proposed rule and a notice and comment period).



Despite the Agencies' attempt to fast-track this rulemaking, their approach to the process and substance of the new final rule is likely to be litigated. Commentators have suggested the Agencies opted to pursue a final rule (rather than taking the typical year plus to develop guidance) because of congressional pressure (House and Senate Republicans sent a letter to the Agencies urging action on this issue on June 21, 2023), and the outsized impact prolonged uncertainty would have on the public. Other commenters suggested the Agencies are attempting to insulate the new final rule from changes or potential reversal given the upcoming election year.

AES

# Memo

E

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

SAN DIEGO COUNTY WATER AUTHORITY REPRESENTATIVE

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Any report will be oral at the time of the Board meeting.

**SUMMARY OF FORMAL BOARD OF DIRECTORS' MEETING  
JUNE 22, 2023**

1. Monthly Treasurer's Report on Investments and Cash Flow.  
The Board noted and filed the Treasurer's report
2. Contract Amendment for DCSE, Inc., for maintenance for the Water Authority's Data Archival and Invoicing System.  
The Board authorized the General Manager to amend the DCSE, Inc., professional services contract to extend the agreement term for an additional two years, in the amount of \$220,000, for continued maintenance of the Data Archival and Invoicing System (DAIS), increasing the authorized contract amount from \$149,500 to \$369,500.
3. Approve amendments to the consolidated Memorandum of Understanding with the represented employees, approve amendments to the compensation plan for represented and unrepresented employees, and approve corresponding Classification and Salary Schedules.  
The Board adopted Resolution No. 2023-22, a resolution of the Board of Directors of the San Diego County Water Authority approving amendments to and extension of the consolidated memorandum of understanding with the Teamsters Local 911 Union representing the technical/support, professional/administrative, and managerial / supervisory bargaining groups; approving compensation plan adjustments for executive, senior management, and confidential employees; and approving classification and salary schedules for the period from July 1, 2023 through June 30, 2026.
4. Adopt the Water Authority Board's Recommended Rates and Charges for Calendar Year 2024.  
The Board conducted the Public Hearing; adopted the Finance Planning Work Group Recommendation for Calendar Year 2024 Rates and Charges using Rate Alternative 1B: Maintaining Board Policy & Defeasance of Outstanding Debt, with an effective rate impact of 9.5%, and adopted Ordinance No. 2023-01 setting rates and charges for the delivery and supply of water, use of facilities, and provision of services; adopted Resolution No. 2023-23 continuing the Standby Availability Charge; and Found that the actions are exempt from CEQA.
5. General Manager's Recommended Budget for Fiscal Years 2024 and 2025.  
The Board adopted the General Manager's Recommended Budget for Fiscal Years 2024 and 2025, using Rate Alternative 1B: Use Reserves Maintaining Board Policy and Defeasance bonds for an 9.5% Effective Rate Increase for rates and charges for Calendar Year 2024; and, adopted Resolution No. 2023-24, approving the General Manager's Recommended Budget for Fiscal Years 2024 and 2025, for operations and capital improvements and appropriating \$1,855,823,366 consistent with the approved budget.



6. Purchase of Water Authority Business Insurance for Fiscal Year 2024.  
The Board authorized the General Manager to purchase property insurance for fiscal year 2024 from Swiss Reinsurance Company Ltd in the amount of \$315,600, \$31 million in liability insurance from Allied World Assurance Company – CalMutuals JPRIMA in the amount of \$488,698, and workers' compensation insurance from Zenith Insurance Company – CalMutuals JPRIMA in the amount of \$390,765, for a total amount of \$1,195,063.
7. Notice of Completion for Dulin Hill Erosion Repair project.  
The Board authorized the General Manager, or designee to accept the Dulin Hill Erosion Repair project as complete, record Notice of Completion, and release funds in retention to Mac Dad Builders Inc., in accordance with the contract and applicable law.
8. Notice of Completion for Pipeline 5 Relining, North Twin Oaks Valley Road to Crossover Pipeline Turnout project.  
The Board authorized the General Manager, or designee, to accept the Pipeline 5 Relining, North Twin Oaks Valley Road to Crossover Pipeline project as complete, record the Notice of Completion, and release all funds held in retention to J.F. Shea Construction, Inc. in accordance with the contract and applicable law.
9. Rescind Resolution No. 2021-24, *A Resolution of the Board of Directors of the San Diego County Water Authority Activating Level 1 of the Water Authority's Water Shortage Contingency Plan.*  
The Board approved rescinding Resolution No. 2021-24, to deactivate Level 1 of the Water Authority's Water Shortage Contingency Plan, effective July 1, 2023 (WSCP).
10. Extension of Water Conservation Garden Operation Agreement.  
The Board approved a \$96,000 financial contribution for the one-year extension of the current Operation Agreement between the Water Conservation Garden Authority and the Friends of the Water Conservation Garden (IRS 501(c)(3)) for the continued operation and maintenance of the Water Conservation Garden through June 30, 2024.
11. Adopt positions on various bills.  
The Board adopted a position of Oppose on AB 1205 (Bauer-Kahan), relating to Water Rights: sale, transfer, or lease: agricultural lands; and, position of Support, if Amended, on AB 1373 (Garcia), relating to Energy.
12. Adopt a resolution supporting Ernesto (Ernie) A. Avila for Vice President of the Association of California Water Agencies.  
The Board adopted Resolution No. 2023-26 supporting Ernesto A. Avila for Vice President of the Association of California Water Agencies.



13. Retirement of Director.

The Board adopted Resolution No. 2023-25 honoring Keith Lewinger upon his retirement from the Board of Directors.

14. Approval of Minutes.

The Board approved the minutes of the Special Administrative and Finance Committee meeting of May 16, 2023 and the Formal Board of Directors' meeting of May 25, 2023.



# Memo

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To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS  
LEGISLATIVE REPORT

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Any written report will be attached; any oral report will be provided at the time of the Board Meeting.



# NOSSAMAN<sup>LLP</sup> | Memorandum

**TO:** Olivenhain Municipal Water District (OMWD)  
**FROM:** Ashley Walker, Senior Policy Advisor, Nossaman LLP  
Jennifer Capitulo, Jennifer M. Capitulo and Associates LLC  
**DATE:** July 13, 2023  
**RE:** July 2023 Public Policy Report

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## **State Legislative Update:**

**Status of the Legislature:** A budget was passed by the Legislature by the deadline of Thursday, June 15; however it did not represent an agreement between the Legislature and the Governor. After more negotiation, an agreement was announced on June 26. Those budget bills were passed to the Governor and he signed the Budget on July 10. Part of the lengthy negotiation included the Governor's proposed infrastructure streamlining package, which ultimately was included in the final agreement.

Regarding the bill process, all bills that are continuing to move through the legislative process this year, are now in their second house being assigned to policy committees. The second house policy committee deadline is Friday, July 14, which also marks the date that the legislature begins Summer Recess. They will return on August 14 and remain in session until September 14, before Interim Study Recess begins. The Governor has 30 days to take action on bills that are presented to him.

Politically, Assembly Leadership has officially changed. As of July 1, Assemblymember Robert Rivas assumed the role of the Speaker of the Assembly.

**State Budget Request:** OMWD requested our legislative delegation put forth a suite of water loss minimization projects to be funded in the FY 2023-24 State Budget. Initial feedback from the delegation is very supportive of these projects; however our request was not included in the final budget. The State Budget deficit is predicted to be \$32 Billion this year, and that significantly impacted the amount of Member's projects that were able to be funded. We will work with our delegation on this request for next year's State Budget.

**Legislation:** OMWD has taken several positions on legislation, as outlined below.

- **AB 30 (Ward): Atmospheric rivers: research: reservoir operations.** This bill renames the Atmospheric Rivers program as the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency Program and requires the Department of Water Resources to research, develop, and implement new observations, prediction models, novel forecasting methods, and tailored decision support systems to improve predictions of atmospheric rivers and their impacts on water supply, flooding, post-wildfire debris flows, and environmental conditions. Current position: Support.

- **AB 755 (Papan): Water: public entity: cost-of-service analysis.** Requires a public entity, whenever conducting a cost-of-service analysis, to identify the total incremental costs incurred by all the major water users and the total incremental costs incurred by all the low volume water users in the single-family residential class. Current position: Oppose.
- **AB 838 (Connolly): California Water Affordability and Infrastructure Transparency Act of 2023.** This bill would place additional requirements to public water systems by having them provide specified information and data related to the average water bill paid by customers at intervals determined by the State Water Board. Current position: Oppose. \*This bill is dead for the year.\*
- **AB 1072 (Wicks): Water conservation and efficiency: low-income residential customers.** Seeks to ensure local rebates are available to low-income and disadvantaged communities. Olivenhain MWD strongly supports access to rebates for water efficient fixtures and landscapes for these communities, but recognizes there are barriers to participation. The approach this bill takes to ensuring access to these programs, however, is not workable as it potentially violates Proposition 218 requirements and directs inappropriate state funding for these purposes. Current position: Oppose unless amended. \*This bill is dead for the year.\*
- **AB 1337 (Wicks): State Water Resources Control Board: water diversion curtailment.** Authorizes SWRCB to issue a curtailment order for any diversion, regardless of basis of right, when water is not available under the diverter's priority of right, and makes the failure to comply with a curtailment order a trespass. Current position: Oppose. \*This bill is dead for the year.\*
- **AB 1567 (Garcia): Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024.** Places a \$15.955 billion climate resilience general obligation bond before the voters on the March 5, 2024, Primary Election ballot. Current position: Support.
- **AB 1572 (Friedman): Potable water: nonfunctional turf.** This bill would create a regulatory structure around a prohibition on the use of potable water for the irrigation of nonfunctional turf on properties other than single-family homes. We do not oppose banning irrigation of certain nonfunctional turf with potable water, but have concerns regarding the current definition of nonfunctional turf, scope, and compliance structure provided for in AB 1572. Current position: Oppose unless amended.
- **AB 1594 (Garcia): Medium- and heavy-duty zero-emission vehicles: public agency utilities.** This bill would require that any state regulation applicable to essential public agency utility vehicles ensures that those vehicles can support a public agency utility's ability to maintain reliable water and electric service, respond to disasters in an emergency capacity, and provide mutual aid assistance statewide and nationwide. Current position: Support.
- **AB 1637 (Irwin): Local government: internet websites and email addresses.** This bill would require local governments to ensure that their public-facing internet websites and email addresses use a ".gov" or ".ca.gov" domain name, no later than January 1, 2029. Current position: Comments on concerns.

- **SB 23 (Caballero): Water supply and flood risk reduction projects: expedited permitting.** ACWA is sponsoring SB 23 which would streamline the regulatory permitting of water supply and flood risk reduction projects. Current position: Support. \*This bill is dead for the year.\*
- **SB 366 (Caballero): The California Water Plan: long-term supply targets.** CMUA is sponsoring this legislation intended to transform California's water planning efforts from a process where we are managing for scarcity to a future where there is enough water for all beneficial uses. Current position: Support. \*This bill is dead for the year.\*
- **SB 411 (Portantino): Open meetings: teleconferences: bodies with appointed membership.** This bill ensures alternate teleconferencing provisions indefinitely to boards, an advisory boards of a local agency and commissions. This measure will allow boards and commissions to continue to serve their constituents uninterrupted by extending appropriate COVID-19 pandemic provisions. Current position: Support.
- **SB 867 (Allen): Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024.** Authorizes a \$15.5 billion climate resilience bond to be placed before voters at an unspecified election. Current position: Support.

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

- July 11 - California sends Urban Search & Rescue Teams to Vermont to support severe flooding response.
- July 11 - California launches "Heat Ready CA" campaign to help protect communities from extreme heat, which is the deadliest form of climate-driven extreme weather.
- July 3 – Cal OES announced the approval in late May of \$582,639 in California Disaster Assistance Act (CDAA) funding to help Inyo County cover eligible costs related to the replacement of a bridge over Pine Creek that failed due to severe erosion of the river's bank caused by excessive snow and rain generated by storms in January and February 2017, as well as the cost of measures to protect the slope of the river's bank.
- July 3 – Cal OES announced the approval last month of \$583,456.50 in California Disaster Assistance Act (CDAA) funding to help Placer County cover eligible costs of clearing roadways and access to public facilities made roadways impassable by the record-setting snowfall generated by the December 2021 Winter Storms.
- June 30 – FEMA assistance was expanded to an additional county. For Individual Assistance (IA) Nevada County was added.

**Water Quality Update:**

**Microplastics:** On May 22, the State Water Board held a workshop to inform public water systems of its plan for monitoring microplastics per SB 1422, and to provide instructions for public water systems on how to submit a monitoring proposal plan. Letters were due July 7, 2023.

**2024 Drinking Water, Water Quality and Water Rights Fees:** The State Water Board is holding a series of stakeholder meetings to discuss drinking water, water quality, and water rights fees.

- Water Quality: August 3, 9am
- Water Rights: August 3, 1pm
- Drinking Water and ELAP: August 4, 9am

**Hexavalent Chromium:** On June 16, the State Water Board release a Notice of Proposed Rulemaking Regarding the Hexavalent Chromium Maximum Contaminant Level. The State Water Board has proposed a MCL of 10 mg/L or 0.010 milligrams per liter (mg/L), and an associated initial Detection Limit Reporting of 0.1 mg/L. The proposed MCL is intended to satisfy the statutory mandates set forth in HSC sections 116365 and 116365.5, as well as the 2017 court order which removed the previous MCL and required the State Water Board to re-complete the process of proposing an MCL for Hexavalent Chromium prior to adoption. A public hearing will be held on August 2 at 1pm at the CalEPA Headquarters in Sacramento and written comments are due August 4 by 12pm. The Nossaman team is attending a meeting later this week to discuss comments to be filed by the Association of California Water Agencies.

**Draft Direct Potable Reuse Regulations:** The State Water Board has provided an advance copy of the proposed drafted [Direct Potable Reuse regulations](#). The Notice of Proposed Rulemaking will be published as soon as July 21, 2023, which will begin the formal 45-day comment period.

#### **Water Use Efficiency/Conservation Update:**

**Hydrologic Conditions Update:** The snowpack is now rapidly melting, rivers statewide continue to run high and fast, and reservoirs are at capacity in most watersheds statewide. Although significant groundwater recharge has been occurring in many basins, long-term overdraft conditions will take years to resolve. The anticipated El Niño weather pattern is continuing to develop in the Pacific, promising strong rainfall this fall and winter. However, the Governor's emergency drought orders have not yet been lifted, so drought regulations are still in place.

#### **State Water Board:**

**Long Term Water Conservation Standards Rulemaking:** As of early July, the SWRCB has not yet released the proposed draft long-term water conservation regulations for public comments. The Nossaman team is continuing to monitor this process in collaboration with a broad coalition of other water associations and water suppliers.

**Drought Water Conservation Reporting Update:** The Nossaman team is continuing to monitor this State Water Board reporting process. The State Water Board staff has scheduled a workshop on July 13 to receive input on possible changes to the Drought Water Conservation Technical Reporting Order to reduce duplicative and burdensome elements. A work group of water associations and water suppliers has developed written comments that have been transmitted to staff and presented at the workshop, including:

- Incorporating a screening structure that would allow water systems that can demonstrate a resilient water supply, based on agreed upon criteria, to report aggregated supply and demand data, and,



- Modifying, making optional or clarifying specific questions about water loss, instant flowrate, static well level, and reporting MAG or AF instead of gallons.

Some water suppliers are continuing to advocate that this process be suspended entirely given current and expected hydrologic conditions.

## Olivenhain Legislative Report as of 7/7/2023

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### Concerns

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**[AB 1713](#) (Gipson D) Local agencies: federal funds: reports.**

**Last Amend:** 6/19/2023

**Status:** 7/5/2023-VOTE: Do pass as amended, but first amend, and re-refer to the Committee on [Appropriations] (PASS)

**Location:** 7/5/2023-S. APPR.

**Summary:** Current law generally imposes various reporting duties on entities that receive state and federal funds, including, among others, requiring each state agency, department, and entity to provide its employer identification number to the Treasurer. This bill would require a local agency that receives federal funds that are subject to an expiration date to submit a written report to the local agency's legislative body no later than one year before the funding expiration date with a summary of how funds have been expended and a plan for the remaining funds to be expended if, at that time, at least 50% of federal funds have yet to be expended. The bill would require the local agency's legislative body to include the report on the agenda of a public meeting.

**Position**

Concerns

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### Concerns/Amend

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**[AB 1637](#) (Irwin D) Local government: internet websites and email addresses.**

**Last Amend:** 6/29/2023

**Status:** 6/29/2023-Read second time and amended. Re-referred to Com. on APPR. (Amended 6/29/2023)

**Location:** 6/28/2023-S. APPR.

**Calendar:** 7/10/2023 10 a.m. - 1021 O Street, Room 2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

**Summary:** Would, no later than January 1, 2029, require a local agency, as defined, that maintains an internet website for use by the public to ensure that the internet website utilizes a ".gov" top-level domain or a ".ca.gov" second-level domain and would require a local agency that maintains an internet website that is noncompliant with that requirement to redirect that internet website to a domain name that does utilize a ".gov" or ".ca.gov" domain. This bill, no later than January 1, 2029, would also require a local agency that maintains public email addresses to ensure that each email address provided to its employees utilizes a ".gov" domain name or a ".ca.gov" domain name. By adding to the duties of local officials, the bill would impose a state-mandated local program.

**Position**

Concerns/Amend

**Notes:** Concern/ amend letter sent to ASM Appropriations and author 5/3/23.

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### Oppose

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**AB 755 (Papan D) Water: public entity: cost-of-service analysis.**

**Last Amend:** 7/3/2023

**Status:** 7/3/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.

**Location:** 6/14/2023-S. N.R. & W.

**Calendar:** 7/10/2023 Upon adjournment of Military and Veterans Affairs Committee - 1021 O Street, Room 2200 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

**Summary:** Current law authorizes a public entity that supplies water at retail or wholesale within its service area to adopt, in accordance with specified procedures, and enforce a water conservation program. This bill would require a public entity, as defined, that conducts a cost-of-service analysis, as defined, to identify the total incremental costs incurred by all the major water users, as described, and low volume water users, as described, in the single-family residential class. The bill would also require both of those costs to be made publicly available by posting the information in the public entity's cost-of-service analysis.

**Position**

Oppose

**AB 1337 (Wicks D) State Water Resources Control Board: water diversion curtailment.**

**Last Amend:** 5/18/2023

**Status:** 6/21/2023-In committee: Hearing postponed by committee.

**Location:** 6/7/2023-S. N.R. & W.

**Calendar:** 7/10/2023 Upon adjournment of Military and Veterans Affairs Committee - 1021 O Street, Room 2200 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

**Summary:** Under existing 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 expand the instances when the diversion or use of water is considered a trespass. This bill contains other related provisions and other existing laws.

**Position**

Oppose

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**Oppose Unless Amended**

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**AB 1572 (Friedman D) Potable water: nonfunctional turf.**

**Last Amend:** 6/19/2023

**Status:** 7/6/2023-From committee: Amend, and do pass as amended and re-refer to Com. on APPR. (Ayes 7. Noes 2.) (July 3).

**Location:** 7/3/2023-S. APPR.

**Calendar:** 7/10/2023 #6 SENATE ASSEMBLY BILLS - SECOND READING FILE

**Summary:** Would make legislative findings and declarations concerning water use, including that the use of potable water to irrigate nonfunctional turf is wasteful and incompatible with state policy relating to climate change, water conservation, and reduced reliance on the Sacramento-San Joaquin Delta ecosystem. The bill would direct all appropriate state agencies to encourage and support the elimination of irrigation of nonfunctional turf with potable water.

**Position**

Oppose Unless  
Amended

**Notes:** ACWA close watch- define nonfunctional turf and create a program within the State Board for regulation of nonfunctional turf and prohibit the use of potable water for the irrigation of nonfunctional turf.

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**Support**

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**AB 30****(Ward D) Atmospheric rivers: research: reservoir operations.****Last Amend:** 6/26/2023**Status:** 7/5/2023-Read second time. Ordered to Consent Calendar.**Location:** 7/3/2023-S. CONSENT CALENDAR**Calendar:** 7/10/2023 #191 SENATE CONSENT CALENDAR SECOND LEGISLATIVE DAY

**Summary:** Current law establishes the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program in the Department of Water Resources. Current law requires the department, upon an appropriation for purposes of the program, to research climate forecasting and the causes and impacts that climate change has on atmospheric rivers, to operate reservoirs in a manner that improves flood protection, and to reoperate flood control and water storage facilities to capture water generated by atmospheric rivers. This bill would rename that program the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency (AR/FIRO) Program. The bill would require the department to research, develop, and implement new observations, prediction models, novel forecasting methods, and tailored decision support systems to improve predictions of atmospheric rivers and their impacts on water supply, flooding, post-wildfire debris flows, and environmental conditions.

**Position**

Support

**Notes:** ACWA recommends a support position as of 1.17.23.**AB 1567****(Garcia D) Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024.****Last Amend:** 5/26/2023**Status:** 6/14/2023-Referred to Coms. on N.R. & W. and GOV. & F.**Location:** 6/14/2023-S. N.R. & W.

**Summary:** Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,995,000,000 pursuant to the State General Obligation Bond Law to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, clean energy, and workforce development programs.

**Position**

Support

**AB 1594****(Garcia D) Medium- and heavy-duty zero-emission vehicles: public agency utilities.****Last Amend:** 5/18/2023

**Status:** 7/5/2023-From committee: Do pass and re-refer to Com. on TRANS. with recommendation: To Consent Calendar. (Ayes 7. Noes 0.) (July 5). Re-referred to Com. on TRANS.

**Location:** 7/5/2023-S. TRANS.

**Calendar:** 7/11/2023 1:30 p.m. - 1021 O Street, Room  
1200 SENATE TRANSPORTATION, GONZALEZ, LENA, Chair

**Summary:** Executive Order No. N-79-20 establishes the goal of transitioning medium- and heavy-duty vehicles in California to zero-emission vehicles by 2045 for all operations where feasible and by 2035 for drayage trucks, and requires the State Air Resources Board to develop and propose medium- and heavy-duty vehicle regulations to meet that goal. This bill would require any state regulation that seeks to require, or otherwise compel, the procurement of medium- and heavy-duty zero-emission vehicles by a public agency utility to ensure that those vehicles can support a public agency utility's ability to maintain reliable water and electric services, respond to disasters in an emergency capacity, and provide mutual aid assistance statewide and nationwide, among other requirements. The bill would define a public agency utility to include a local publicly owned electric utility, a community water system, and a wastewater treatment provider, as specified. This bill contains other existing laws.

**Position**

Support

**Notes:** AB 1594 (E. Garcia) support letter from Olivenhain to author on 3.29.23.**SB 366****(Caballero D) The California Water Plan: long-term supply targets.**

**Last Amend:** 6/29/2023

**Status:** 6/29/2023-From committee with author's amendments. Read second time and amended. Re-referred to Com. on W., P., & W.

**Location:** 6/8/2023-A. W., P. & W.

**Calendar:** 7/11/2023 9 a.m. - State Capitol, Room 447 ASSEMBLY WATER, PARKS AND WILDLIFE, BAUER-KAHAN, REBECCA, Chair

**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 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 the California Water Commission, the 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 beneficial uses.

**Position**

Support

**Notes:** OMWD has signed a support letter 2.15.23.

**SB 411**

**(Portantino D) Open meetings: teleconferences: neighborhood councils.**

**Last Amend:** 4/24/2023

**Status:** 5/26/2023-Referred to Com. on L. GOV.

**Location:** 5/26/2023-A. L. GOV.

**Calendar:** 7/12/2023 9:30 a.m. - State Capitol, Room 126 ASSEMBLY LOCAL GOVERNMENT, CARRILLO, JUAN, Chair

**Summary:** The Ralph M. Brown Act requires, with specified exceptions, that all meetings of a legislative body, as defined, of a local agency be open and public and that all persons be permitted to attend and participate. The act generally requires for teleconferencing that the legislative body of a local agency that elects to use teleconferencing post agendas at all teleconference locations, identify each teleconference location in the notice and agenda of the meeting or proceeding, and have each teleconference location be accessible to the public. Current law also requires that, during the teleconference, at least a quorum of the members of the legislative body participate from locations within the boundaries of the territory over which the local agency exercises jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. This bill, until January 1, 2028, would authorize an eligible legislative body to use alternate teleconferencing provisions related to notice, agenda, and public participation, as prescribed, if the city council has adopted an authorizing resolution and 2/3 of an eligible legislative body votes to use the alternate teleconferencing provisions. The bill would define "eligible legislative body" for this purpose to mean a neighborhood council that is an advisory body with the purpose to promote more citizen participation in government and make government more responsive to local needs that is established pursuant to the charter of a city with a population of more than 3,000,000 people that is subject to the act.

**Position**

Support

**SB 867**

**(Allen D) Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024.**

**Last Amend:** 6/22/2023

**Status:** 7/6/2023-July 10 hearing postponed by committee.

**Location:** 6/20/2023-A. NAT. RES.



**Summary:** Would enact the Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,500,000,000 pursuant to the State General Obligation Bond Law to finance projects for drought, flood, and water resilience, wildfire and forest resilience, coastal resilience, extreme heat mitigation, biodiversity and nature-based climate solutions, climate smart agriculture, park creation and outdoor access, and clean energy programs.

**Position**  
Support

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### Close Watch

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**[AB 520](#) (Santiago D) Employment: public entities.**

**Last Amend:** 6/21/2023

**Status:** 6/21/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on L., P.E. & R.

**Location:** 6/14/2023-S. L., P.E. & R.

**Calendar:** 7/12/2023 9:30 a.m. - 1021 O Street, Room 2200 SENATE LABOR, PUBLIC EMPLOYMENT AND RETIREMENT, CORTESE, DAVE, Chair

**Summary:** Current law authorizes the Labor Commissioner to investigate employee complaints and to provide for a hearing in any action to recover wages, penalties, and other demands for compensation. Under current law, any individual or business entity that contracts for services in the property services or long-term care industries is jointly and severally liable for any unpaid wages, including interest, where the individual or business entity has been provided notice, by any party, of any proceeding or investigation by the Labor Commissioner in which the employer is found liable for those unpaid wages, to the extent the amounts are for services performed under that contract, as provided, and except as specified. This bill would additionally provide that any public entity, defined as the state, a city, county, city and county, district, public authority, public agency, and any other political subdivision or public corporation in the state, is jointly and severally liable for any unpaid wages, as provided in the above paragraph.

**Position**  
Close Watch

**[AB 530](#) (Boerner D) County Water Authority Act: exclusion of territory: procedure.**

**Last Amend:** 5/15/2023

**Status:** 6/8/2023-Re-referred to Com. on RLS. pursuant to Assembly Rule 96.

**Location:** 6/8/2023-A. RLS.

**Summary:** The County Water Authority Act provides for the formation of county water authorities and grants to those authorities specified powers with regards to providing water service. The act provides 2 methods of excluding territory from any county water authority, one of which is that a public agency whose corporate area as a unit is part of a county water authority may obtain exclusion of the area by submitting to the electors within the public agency, at any general or special election, the proposition of excluding the public agency's corporate area from the county water authority. Current law requires that, if a majority of the electors approve the proposition, specified actions take place to implement the exclusion. This bill would additionally require the public entity to submit the proposition of excluding the public agency's corporate area from the county water authority to the electors within the territory of the county water authority. The bill would require the 2 elections to be separate; however, the bill authorizes both elections to run concurrently.

**Position**  
Close Watch

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

**Last Amend:** 6/19/2023

**Status:** 7/6/2023-From committee: Amend, and do pass as amended and re-refer to Com. on APPR. (Ayes 7. Noes 1.) (July 3).

**Location:** 7/3/2023-S. APPR.

**Calendar:** 7/10/2023 #7 SENATE ASSEMBLY BILLS - SECOND READING FILE

**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 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 require that all new or renovated nonresidential areas install plants that meet specified criteria, and that prohibit the inclusion of nonfunctional turf in nonresidential landscape projects after January 1, 2026.

**Position**

Close Watch

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

**AB 1627 (Lee D) California Safe Drinking Water Act.**

**Last Amend:** 5/16/2023

**Status:** 6/27/2023-Read second time. Ordered to third reading.

**Location:** 6/27/2023-S. THIRD READING

**Calendar:** 7/10/2023 #142 SENATE ASSEMBLY BILLS - THIRD READING FILE

**Summary:** The California Safe Drinking Water Act requires the State Water Resources Control Board to regulate specified water systems and maintain specified primary drinking water standards. The act defines a public water system as a system for the provision of water for human consumption through pipes or other constructed conveyances that has 15 or more service connections or regularly serves at least 25 individuals daily at least 60 days out of the year. Current law applies the provisions of the act to a food facility that is regulated pursuant to the California Retail Food Code only if the human consumption includes drinking of water. In regard to the number of individuals served, this bill would revise the definition of a public water system to apply to a system that regularly serves an average of at least 25 individuals daily at least 60 days out of the year. To the extent that this bill would expand the scope of coverage of the act by applying its provisions to more public water systems, thereby expanding the application of a crime, this bill would impose a state-mandated local program. This bill would repeal the provision applying the act to a food facility that is regulated pursuant to the California Retail Food Code only if the human consumption includes drinking of water.

**Position**

Close Watch

**SB 638 (Eggman D) Climate Resiliency and Flood Protection Bond Act of 2024.**

**Last Amend:** 6/28/2023

**Status:** 7/6/2023-July 11 hearing postponed by committee.

**Location:** 6/15/2023-A. W., P. & W.

**Summary:** Would enact the Climate Resiliency and Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of \$6,000,000,000 pursuant to the State General Obligation Bond Law, for flood protection and climate resiliency projects.

**Position**

Close Watch

**SB 659 (Ashby D) California Water Supply Solutions Act of 2023.**

**Last Amend:** 6/30/2023

**Status:** 6/30/2023-From committee with author's amendments. Read second time and amended. Re-referred to Com. on W., P., & W.

**Location:** 6/15/2023-A. W.,P. & W.

**Calendar:** 7/11/2023 9 a.m. - State Capitol, Room 447 ASSEMBLY WATER, PARKS AND WILDLIFE, BAUER-KAHAN, REBECCA, Chair

**Summary:** Would establish the California Water Supply Solutions Act of 2023 to, among other things, require the Department of Water Resources to develop a groundwater recharge action plan by January 1, 2026, as specified, that provides actionable recommendations that result in the ability to create additional groundwater recharge capacity. The bill would require the department to consult with the State Water Resources Control Board, the 9 regional water quality control boards, and the advisory committee, which may be enlarged as provided, in carrying out these provisions. The bill would require the groundwater recharge action plan to identify and make recommendations on immediate opportunities and potential long-term solutions to increase the state's groundwater supply, as specified. The bill would require specified actions with regard to the groundwater recharge action plan, including, among other things, requiring the department to include it as part of the 2028 update to the California Water Plan and to update the groundwater recharge action plan at the same time that it prepares updates to the California Water Plan. The bill would require the department to establish a target for additional groundwater recharge capacity creation, to be used for planning purposes only, and to determine the target with consideration for other beneficial or environmental uses of water and water goals. The bill would require the department and the water boards, upon an appropriation or further action by the Legislature, to implement the recommendations identified in the groundwater recharge action plan that result in new infrastructure and institutional mechanisms in place that provide for the ability to create additional groundwater recharge capacity.

**Position**

Close Watch

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## Two Year Bill

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**SB 737** (**Hurtado D**) **Groundwater: recharge.**

**Status:** 3/1/2023-Referred to Com. on RLS.

**Location:** 2/17/2023-S. RLS.

**Summary:** Would state the intent of the Legislature to enact subsequent legislation to capture floodwater to recharge groundwater basins and to require the Department of Water Resources and the State Water Resources Control Board to work together to expedite the regulatory steps necessary to store significant rainfall and excess water underground, while still ensuring protections for the environment and other water users as required by state law.

**Position**

Two Year Bill

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## Watch

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**AB 277** (**Rodriguez D**) **Extreme Weather Forecast and Threat Intelligence Integration Center.**

**Last Amend:** 7/3/2023

**Status:** 7/3/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on G.O.

**Location:** 6/22/2023-S. G.O.

**Calendar:** 7/11/2023 9 a.m. - 1021 O Street, Room 1200 SENATE GOVERNMENTAL ORGANIZATION, DODD, BILL, Chair

**Summary:** Current law establishes the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program within the department to, upon appropriation of special fund moneys, research climate forecasting and the causes and impacts that climate change has on atmospheric rivers, to operate reservoirs in a manner that improves flood protection in the state, and to reoperate flood control and water storage facilities to capture water generated by atmospheric

rivers. This bill would establish the State-Federal Flood Operations Center within the Department of Water Resources and would authorize the department to administer the center in the department's divisions, offices, or programs. The bill would provide that the purpose of the center is to function as the focal point for gathering, analyzing, and disseminating flood and water-related information to stakeholders and would authorize the center to take specified actions for that purpose, including to function during emergency situations to enable the department to centrally coordinate statewide emergency responses.

**Position**

Watch

**AB 305 (Villapudua D) California Flood Protection Bond Act of 2024.**

**Last Amend:** 4/25/2023

**Status:** 6/14/2023-Referred to Coms. on N.R. & W. and GOV. & F.

**Location:** 6/14/2023-S. N.R. & W.

**Summary:** Would enact the California Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of \$4,500,000,000 pursuant to the State General Obligation Bond Law for flood protection projects, as specified. The bill would provide for the submission of these provisions to the voters at the November 5, 2024, statewide general election.

**Position**

Watch

**AB 345 (Wilson D) Habitat restoration: flood control: advance payments.**

**Last Amend:** 6/26/2023

**Status:** 6/26/2023-Read second time and amended. Re-referred to Com. on APPR.

**Location:** 6/22/2023-S. APPR.

**Calendar:** 7/10/2023 10 a.m. - 1021 O Street, Room 2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

**Summary:** Current law establishes the Central Valley Flood Protection Board and authorizes the board to engage in various flood control activities along the Sacramento River, the San Joaquin River, their tributaries, and related areas. This bill would authorize the Department of Water Resources or the board to provide advance payments, as defined, to local agencies for projects that restore habitat for threatened and endangered species under state or federal law or improve flood protection, as provided. The bill would prohibit the amount of funds advanced by the department or the board to the local agency at any one time from exceeding 25% of the entire amount authorized to be provided under the funding agreement. The bill would require the project proponent to demonstrate a need for an advance payment and that the project proponent is sufficiently qualified to manage the project and the project's finances. The bill would require the funds to be spent within 6 months and would require the recipient to provide an accountability report to the department or the board on a quarterly basis, as specified.

**Position**

Watch

**AB 399 (Boerner D) Water Ratepayers Protections Act of 2023: County Water Authority Act: exclusion of territory: procedure.**

**Last Amend:** 6/14/2023

**Status:** 6/21/2023-Re-referred to Com. on GOV. & F.

**Location:** 6/21/2023-S. GOV. & F.

**Calendar:** 7/12/2023 Upon adjournment of Education Committee - 1021 O Street, Room 2100 SENATE GOVERNANCE AND FINANCE, CABALLERO, ANNA, Chair

**Summary:** The County Water Authority Act provides 2 methods of excluding territory from any county water authority, one of which is that a public agency whose corporate area as a unit is part of a county water authority may obtain exclusion of the area by submitting to the electors within the public agency, at any general or special election, the proposition of excluding the public agency's corporate area from the county water authority. Current law requires that, if a majority of the electors approve the proposition, specified actions take place to implement the exclusion. This bill, the Water Ratepayers Protections Act of 2023, would additionally require the public entity to submit the proposition of excluding the public agency's corporate area from the county water authority to the electors within the territory of the county water authority. The bill would require

the 2 elections to be separate; however, the bill would authorize both elections to run concurrently. The bill would require a majority vote for withdrawal in both elections for the withdrawal of the public agency from the territory of the county water authority. This bill would declare that it is to take effect immediately as an urgency statute.

**Position**

Watch

**AB 460 (Bauer-Kahan D) State Water Resources Control Board: water rights and usage: interim relief: procedures.**

**Last Amend:** 5/18/2023

**Status:** 6/27/2023-In committee: Set, first hearing. Hearing canceled at the request of author.

**Location:** 6/7/2023-S. N.R. & W.

**Summary:** Current law authorizes the State Water Resources Control Board to investigate all streams, stream systems, lakes, or other bodies of water, take testimony relating to the rights to water or the use of water, and ascertain whether water filed upon or attempted to be appropriated is appropriated under the laws of the state. Current law requires the board to take appropriate actions to prevent waste or the unreasonable use of water. This bill would authorize the board, in conducting specified investigations or proceedings to inspect the property or facilities of a person or entity, as specified. The bill would authorize the board, if consent is denied for an inspection, to obtain an inspection warrant, as specified, or in the event of an emergency affecting public health and safety, to conduct an inspection without consent or a warrant.

**Position**

Watch

**AB 541 (Wood D) California Safe Drinking Water Act: wildfire aftermath: benzene testing.**

**Last Amend:** 6/8/2023

**Status:** 7/5/2023-Read second time. Ordered to third reading.

**Location:** 7/5/2023-S. THIRD READING

**Calendar:** 7/10/2023 #170 SENATE ASSEMBLY BILLS - THIRD READING FILE

**Summary:** Would direct the State Water Resources Control Board to require a public water system that has experienced a wildfire event meeting specified criteria to perform sample collection and analysis of its source waters, treatment facilities, conveyance facilities, distribution systems, or a combination thereof, for the presence of benzene as soon as it is safe to do so.

**Position**

Watch

**AB 560 (Bennett D) Sustainable Groundwater Management Act: groundwater adjudication.**

**Last Amend:** 6/26/2023

**Status:** 6/26/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on JUD.

**Location:** 6/22/2023-S. JUD.

**Calendar:** 7/11/2023 9 a.m. - 1021 O Street, Room 2100 SENATE JUDICIARY, UMBERG, THOMAS, Chair

**Summary:** Current law prohibits a court from approving entry of judgment in certain adjudication actions for a basin required to have a groundwater sustainability plan under the Sustainable Groundwater Management Act, unless the court finds that the judgment would not substantially impair the ability of a groundwater sustainability agency, the State Water Resources Control Board, or the Department of Water Resources to comply with the act and to achieve sustainable groundwater management. This bill would require the parties to an adjudication action to submit a proposed settlement agreement determining rights to water to the board for a nonbinding advisory determination as to whether the proposed settlement agreement will substantially impair the ability of a groundwater sustainability agency, the board, or the department to achieve sustainable groundwater management before filing the proposed settlement agreement with the court. The bill would require the board to provide its nonbinding advisory determination to the parties no later than 120 days after the proposed settlement agreement was submitted, and would require the parties to include the board's nonbinding advisory determination in the court filing, as provided.

**Position**

Watch



**[AB 590](#)****(Hart D) State-funded assistance grants and contracts: advance payments.**

**Status:** 6/14/2023-Referred to Com. on G.O.

**Location:** 6/14/2023-S. G.O.

**Calendar:** 7/11/2023 9 a.m. - 1021 O Street, Room 1200 SENATE GOVERNMENTAL ORGANIZATION, DODD, BILL, Chair

**Summary:** Would declare the intent of the Legislature to improve and expand the state's existing advance payment practices for state grants and contracts with nonprofits. The bill would authorize an administering state agency to advance a payment to a recipient entity, defined to mean a private, nonprofit organization qualified under federal law, subject to meeting specified requirements. The bill would require the administering state agency to prioritize recipient entities and projects serving disadvantaged, low-income, and under-resourced communities, and to ensure an advance payment to the recipient entity does not exceed 25% of the total grant or contract amount. The bill would require the recipient entity to satisfy certain minimum requirements, including providing an itemized budget and submitting documentation, as required by the administering state agency, to support the need for advance payment.

**Position**

Watch

**[AB 648](#)****(Valencia D) Common interest developments: procedures: meetings by teleconference.**

**Last Amend:** 4/20/2023

**Status:** 6/22/2023-Read second time. Ordered to third reading.

**Location:** 6/22/2023-S. THIRD READING

**Calendar:** 7/10/2023 #108 SENATE ASSEMBLY BILLS - THIRD READING FILE

**Summary:** Current law, the Davis-Stirling Common Interest Development Act, governs the management and operation of common interest developments. Current law defines a board meeting as a congregation or a teleconference, as provided. Current law requires, among other things, a board meeting held by teleconference to identify at least one physical location so that members of the association may attend, except as provided. Current law also establishes alternative teleconferencing procedures for a board meeting or a meeting of the members if gathering in person is unsafe or impossible because the common interest development is in an area affected by a federal, state, or local emergency. This bill would authorize a board meeting or a meeting of the members to be conducted entirely by teleconference if specified conditions are satisfied.

**Position**

Watch

**[AB 664](#)****(Lee D) California Safe Drinking Water Act.**

**Last Amend:** 5/24/2023

**Status:** 6/26/2023-In committee: Referred to APPR. suspense file.

**Location:** 6/26/2023-S. APPR. SUSPENSE FILE

**Summary:** The California Safe Drinking Water Act provides for the operation of public water systems and imposes on the State Water Resources Control Board various duties and responsibilities for the regulation and control of drinking water in the state. Current law imposes certain responsibilities on public water systems and authorizes the state board to issue a citation to a public water system if the state board determines that the public water system is in violation of the act, or any regulation, permit, standard, or order issued or adopted under the act. Current law requires a public water system to reimburse the state board for actual costs incurred by the state board for specified enforcement activities related to that water system, as provided. This bill would authorize the state board to issue a citation to any person if the state board determines that the person is in violation of the act, or any regulation, permit, standard, or order issued or adopted under the act. The bill would also require persons to reimburse the state board for actual costs incurred by the state water board for specified enforcement activities related to that person, as provided.

**Position**

Watch

**[AB 676](#)****(Bennett D) Water: general state policy.**

**Last Amend:** 6/12/2023

**Status:** 6/22/2023-In committee: Hearing postponed by committee.

**Location:** 5/31/2023-S. N.R. & W.

**Calendar:** 7/10/2023 Upon adjournment of Military and Veterans Affairs Committee - 1021 O Street, Room 2200 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

**Summary:** Current law establishes various state water policies, including the policy that the use of water for domestic purposes is the highest use of water and that the next highest use is for irrigation. This bill would specify that the use of water for domestic purposes includes water use for human consumption, cooking, sanitary purposes, and care of household livestock, animals, and gardens.

**Position**

Watch

**AB 682 (Mathis R) State Water Resources Control Board: online search tool: funding applications.**

**Last Amend:** 3/20/2023

**Status:** 7/5/2023-Read second time. Ordered to third reading.

**Location:** 7/5/2023-S. THIRD READING

**Calendar:** 7/10/2023 #171 SENATE ASSEMBLY BILLS - THIRD READING FILE

**Summary:** Current law establishes the State Water Resources Control Board (state board) to exercise the adjudicatory and regulatory functions of the state in the field of water resources. Current law establishes the Safe and Affordable Drinking Water Fund in the State Treasury to help water systems provide an adequate and affordable supply of safe drinking water in both the near and long terms. This bill would require, by January 1, 2025, the state board to update the state board's online search tool for funding applications to include a description of the additional information the state board needs from a water system to continue processing the water system's application and a description of the typical steps that must be completed before a funding agreement can be executed after receipt of a complete application, among other information, as specified.

**Position**

Watch

**AB 753 (Papan D) State Water Pollution Cleanup and Abatement Account: annual proceeds transfers.**

**Last Amend:** 6/29/2023

**Status:** 6/29/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on E.Q. (Amended 6/29/2023)

**Location:** 6/7/2023-S. E.Q.

**Calendar:** 7/12/2023 9 a.m. - 1021 O Street, Room 1200 SENATE ENVIRONMENTAL QUALITY, ALLEN, BENJAMIN, Chair

**Summary:** Would create the Waterway Recovery Account within the Waste Discharge Permit Fund, and would annually transfer from the State Water Pollution Cleanup and Abatement Account, excluding administratively imposed civil liabilities that include a supplemental environmental project in connection with a monetary penalty, 50% of the annual proceeds to the Waterway Recovery Account. The bill would provide that moneys in the account created by the bill are continuously appropriated to the state board without regard to fiscal years. The bill would require the state board to allocate the Waterway Recovery Account moneys to each regional board on a proportional basis, based on moneys generated in each region, and would require the regional boards to allocate those moneys to third parties, with priority given to third parties that will undertake projects with multiple benefits that provide greenspace within disadvantaged communities, as provided.

**Position**

Watch

**AB 754 (Papan D) Water management planning: water shortages.**

**Last Amend:** 7/3/2023

**Status:** 7/3/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.

**Location:** 6/14/2023-S. N.R. & W.

**Calendar:** 7/10/2023 Upon adjournment of Military and Veterans Affairs Committee - 1021 O Street, Room 2200 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

**Summary:** The Urban Water Management Planning Act requires every public and private urban water supplier that directly or indirectly provides water for municipal purposes to prepare and adopt an urban water management plan. Current law requires an urban water management plan to quantify past, current, and projected water use, identifying the uses among water use sectors, including, among others, commercial, agricultural, and industrial. Current law requires every urban water supplier to prepare and adopt a water shortage contingency plan as part of its urban water management plan. Current law requires the water shortage contingency plan to include procedures for an annual water supply and demand assessment, including the data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year. Current law requires the key data inputs and assessment methodology to include specified information, including, among other things, a description and quantification of each source of water supply. This bill would require a water shortage contingency plan to include, if based on a description and quantification of each source of water supply, a single reservoir constitutes at least 50% of the total water supply, an identification of the dam and description of existing reservoir management operations, as specified, and if the reservoir is owned and operated by the supplier, a description of operational practices and approaches, as specified.

**Position**

Watch

**AB 779 (Wilson D) Groundwater: adjudication.**

**Last Amend:** 7/3/2023

**Status:** 7/3/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on JUD.

**Location:** 6/27/2023-S. JUD.

**Calendar:** 7/11/2023 9 a.m. - 1021 O Street, Room 2100 SENATE JUDICIARY, UMBERG, THOMAS, Chair

**Summary:** Current law establishes various methods and procedures for a comprehensive adjudication of groundwater rights in civil court. This bill would require the court to appoint one party to forward all case management orders, judgments, and interlocutory orders to the Department of Water Resources within 10 business days of issuance. The bill would require the court to allocate payment of the costs incurred by the party appointed to forward all case management orders, judgments, and interlocutory orders to the department among the parties in an amount and a manner that the court deems equitable. The bill would require the department to post the documents on its internet website in the interest of transparency and accessibility within 20 business days of receipt from a party, as specified. The bill would authorize the court to refer the matter to the State Water Resources Control Board for investigation and report in order to assist the court in making findings pursuant to these provisions, and would authorize a party to request that the court refer the matter to the board for these purposes. The bill would require the court to consider the water use of small farmers and disadvantaged communities, as those terms are defined, before entering a judgment.

**Position**

Watch

**AB 830 (Soria D) Lake and streambed alteration agreements: exemptions.**

**Last Amend:** 6/27/2023

**Status:** 6/27/2023-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.

**Location:** 6/14/2023-S. N.R. & W.

**Calendar:** 7/10/2023 Upon adjournment of Military and Veterans Affairs Committee - 1021 O Street, Room 2200 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

**Summary:** Current law prohibits a person, a state or local governmental agency, or a public utility from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or depositing or disposing of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake, unless prescribed requirements are met, including written notification to the Department of Fish and Wildlife regarding the activity. Current law prescribes various requirements for lake and streambed alteration agreements. Current law also establishes various exemptions from these provisions, including exemptions for specified emergency work. This bill would additionally exempt from these provisions the temporary operation of existing infrastructure or temporary pumps being used to divert flood stage flows, as identified

by the California Nevada River Forecast Center or the State Water Resources Control Board, or near-flood stage flows, as defined, to groundwater recharge as long as certain conditions are met.

**Position**

Watch

**AB 939 (Pellerin D) Santa Clara Valley Water District.**

**Last Amend:** 7/6/2023

**Status:** 7/6/2023-Read third time and amended. Ordered to second reading.

**Location:** 7/6/2023-S. SECOND READING

**Calendar:** 7/10/2023 #26 SENATE ASSEMBLY BILLS - SECOND READING FILE

**Summary:** The Santa Clara Valley Water District Act creates the Santa Clara Valley Water District, and authorizes the district to provide for the conservation and management of flood, storm, and recycled waters, and other waters, for beneficial uses and to enhance natural resources in connection with carrying out the purposes of the district. The act authorizes the district to levy ad valorem taxes or assessments in the district to pay the general administrative costs and expenses of the district, to carry out the act's objects or purposes, and to pay the costs and expenses of constructing or extending works within the district. The act additionally authorizes the district to levy taxes or assessments upon all property or all real property within a portion of the district for specified purposes. The act authorizes the district to issue bonds for specified purposes, and requires that the bonds be paid by revenue derived from those tax levies and assessments, except the ad valorem taxes or assessments. This bill would additionally authorize the district to use the revenues from the ad valorem taxes or assessments to pay for the bonds.

**Position**

Watch

**AB 1024 (Aguilar-Curry D) Water rights: small irrigation use: lake or streambed alteration agreements.**

**Last Amend:** 5/18/2023

**Status:** 6/27/2023-From committee: Do pass and re-refer to Com. on APPR with recommendation: To Consent Calendar. (Ayes 11. Noes 0.) (June 27). Re-referred to Com. on APPR.

**Location:** 6/27/2023-S. APPR.

**Summary:** The Water Rights Permitting Reform Act of 1988 authorizes a person to obtain a right to appropriate water for a small domestic use, small irrigation use, or livestock stockpond use upon first registering the use, as those uses are defined by the act, with the State Water Resources Control Board and thereafter applying the water to reasonable and beneficial use with due diligence. The act requires the registration of water use to be made upon a form prescribed by the board that requires, among other things, a certification that the registrant has contacted a representative of the Department of Fish and Wildlife and has agreed to comply with conditions set forth by the department. The act requires the board to establish reasonable general conditions to which all appropriations made pursuant to the act are required to be subject, including, among other things, that all conditions lawfully required by the department are conditions upon the appropriations. The act provides that the board is not required to adopt general conditions for small irrigation use until the board determines that funds are available for that purpose, and that a registration for small irrigation use pursuant to the act is not authorized until the board establishes general conditions for small irrigation use to protect instream beneficial uses, as specified. This bill would require the board to give priority to adopting, on or before June 30, 2027, except as provided, general conditions that permit specified registrants to store water for small irrigation use during times of high streamflow in exchange for those registrants reducing diversions during periods of low streamflow, as specified.

**Position**

Watch

**AB 1205 (Bauer-Kahan D) Water rights: sale, transfer, or lease: agricultural lands.**

**Last Amend:** 5/8/2023

**Status:** 5/31/2023-Referred to Com. on N.R. & W.

**Location:** 5/31/2023-S. N.R. & W.

**Calendar:** 7/10/2023 Upon adjournment of Military and Veterans Affairs Committee - 1021 O Street, Room 2200 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

**Summary:** Would find and declare that speculation or profiteering by an investment fund in the sale, transfer, or lease of an interest in any surface water right or groundwater water right previously put to beneficial use on agricultural lands within the state is a waste or an unreasonable use of water.

**Position**

Watch

**AB 1211 (Mathis R) Safe Drinking Water State Revolving Fund: internet website information: updates.**

**Status:** 5/26/2023-In committee: Set, first hearing. Hearing canceled at the request of author.

**Location:** 5/10/2023-S. E.Q.

**Summary:** The Safe Drinking Water State Revolving Fund Law of 1997, administered by the State Water Resources Control Board, establishes the Safe Drinking Water State Revolving Fund to provide grants or revolving fund loans for the design and construction of projects for public water systems that will enable those systems to meet safe drinking water standards. Current law requires the board, at least once every 2 years, to post information on its internet website regarding implementation of the Safe Drinking Water State Revolving Fund Law and expenditures from the Safe Drinking Water State Revolving Fund, as specified This bill would require the board to post the information at least annually.

**Position**

Watch

**AB 1216 (Muratsuchi D) Wastewater treatment plants: monitoring of air pollutants.**

**Last Amend:** 4/26/2023

**Status:** 6/26/2023-In committee: Hearing postponed by committee.

**Location:** 6/21/2023-S. APPR.

**Summary:** Would require, on or before January 1, 2025, the owner or operator of a wastewater treatment facility that is located within 1,500 feet of a residential area and has an original design capacity of 425,000,000 gallons or more per day to develop, install, operate, and maintain a wastewater treatment-related fence-line monitoring system in accordance with guidance developed by the appropriate air quality management district. The bill would require the wastewater treatment-related fence-line monitoring system to include equipment capable of measuring pollutants of concern, including hydrogen sulfide, nitrogen oxides, and volatile organic compounds emitted to the atmosphere from wastewater treatment or reclamation processes that the appropriate district deems appropriate for monitoring. The bill would also require the owner or operator of a wastewater treatment facility to collect real-time data from the wastewater treatment-related fence-line monitoring system, to maintain records of that data, and to transmit the data to the appropriate air quality management district in accordance with the district's guidance. In addition, the bill would require, to the extent feasible, the data generated by these systems to be provided to the public as quickly as possible in a publicly accessible format.

**Position**

Watch

**AB 1272 (Wood D) State Water Resources Control Board: drought planning.**

**Last Amend:** 6/26/2023

**Status:** 6/26/2023-Read second time and amended. Re-referred to Com. on APPR.

**Location:** 6/22/2023-S. APPR.

**Calendar:** 7/10/2023 10 a.m. - 1021 O Street, Room  
2200 SENATE APPROPRIATIONS, PORTANTINO, ANTHONY, Chair

**Summary:** Would require the State Water Resources Control Board, in consultation with the Department of Fish and Wildlife, to adopt principles and guidelines for diversion and use of water in coastal watersheds, as specified, during times of water shortage for drought preparedness and climate resiliency. The bill would require that the principles and guidelines allow for the development of locally generated watershed-level plans to support public trust uses, public health and safety, and the human right to water in times of water shortage, among other things. The bill also would require the state board, prior to adopting those principles and guidelines, to allow for public comment and hearing, as provided. The bill would make the implementation of these provisions contingent upon an appropriation of funds by the Legislature for this purpose.

**Position**



Watch

**AB 1597 (Alvarez D) Water quality: California-Mexico cross-border rivers.**

**Last Amend:** 6/22/2023

**Status:** 6/29/2023-In committee: Set, first hearing. Hearing canceled at the request of author.

**Location:** 6/14/2023-S. E.Q.

**Summary:** Would authorize, upon appropriation by the Legislature in the annual Budget Act or another statute, funds to be made available to the North American Development Bank (NADBank) for loans, grants, and direct expenditures to address water quality problems arising in the California-Mexico cross-border rivers. The bill would require the funding to be available for specified purposes, as provided, including water quality projects for the Tijuana River, and would make 10% of the funding available for the administrative costs of implementing these provisions. The bill would authorize funding provided for activities or projects in the State of Baja California to be provided through direct expenditures and for grants to an eligible funding recipient authorized to work in Mexico under a specified circumstance. The bill would authorize grant funding to be conditioned on enforceability and accountability mechanisms agreed upon by the North American Development Bank and the recipient, with the concurrence of the State Water Resources Control Board. The bill would require the California Environmental Protection Agency to notify the leadership office in each house of the Legislature on cross-border collaboration and the expenditure of the funding, as provided.

**Position**

Watch

**AB 1631 (Schiavo D) Water resources: permit to appropriate: application procedure: mining use.**

**Status:** 6/7/2023-Referred to Com. on N.R. & W.

**Location:** 6/7/2023-S. N.R. & W.

**Calendar:** 7/10/2023 Upon adjournment of Military and Veterans Affairs Committee - 1021 O Street, Room 2200 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

**Summary:** Under existing law, the State Water Resources Control Board administers a water rights program pursuant to which the board grants permits and licenses to appropriate water. Existing law requires an application for a permit to appropriate water to include, among other things, sufficient information to demonstrate a reasonable likelihood that unappropriated water is available for the proposed appropriation. Existing law requires the board to issue and deliver a notice of an application as soon as practicable after the receipt of an application for a permit to appropriate water that conforms to the law. Existing law allows interested persons to file a written protest with regard to an application to appropriate water and requires the protestant to set forth the objections to the application. Existing law declares that no hearing is necessary to issue a permit in connection with an unprotested application, or if the undisputed facts support the issuance of the permit and there is no disputed issue of material fact, unless the board elects to hold a hearing. This bill, if the board has not rendered a final determination on an application for a permit to appropriate water for a beneficial use or uses that include mining use within 30 years from the date the application was filed, would require the board to issue a new notice and provide an opportunity for protests before rendering a final determination, with specified exceptions.

**Position**

Watch

**ACA 2 (Alanis R) Public resources: Water and Wildfire Resiliency Act of 2023.**

**Status:** 4/20/2023-Referred to Coms. on W., P., & W. and NAT. RES.

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

**Summary:** Would establish the Water and Wildfire Resiliency Fund within the State Treasury, and would require the Treasurer to annually transfer an amount equal to 3% of all state revenues that may be appropriated as described from the General Fund to the Water and Wildfire Resiliency Fund. The measure would require the moneys in the fund to be appropriated by the Legislature and would require that 50% of the moneys in the fund be used for water projects, as specified, and that the other 50% of the moneys in the fund be used for forest maintenance and health projects, as specified.

**Position**

Watch

**SB 3 (Dodd D) Discontinuation of residential water service: public water system.**

**Last Amend:** 6/15/2023

**Status:** 6/21/2023-From committee: Do pass and re-refer to Com. on APPR. (Ayes 7. Noes 2.) (June 20). Re-referred to Com. on APPR.

**Location:** 6/21/2023-A. APPR.

**Summary:** Current law authorizes the State Water Resources Control Board to provide for the deposit into the Safe and Affordable Drinking Water Fund of certain moneys and continuously appropriates the moneys in the fund to the state board for grants, loans, contracts, or services to assist eligible recipients. This bill would require the board to, upon appropriation by the Legislature, expend moneys to provide training statewide to community water systems with between 15 and 200 service connections to meet compliance with the Water Shutoff Protection Act.

**Position**

Watch

**SB 231**

**(Hurtado D) Department of Water Resources: water supply forecasting.**

**Last Amend:** 6/19/2023

**Status:** 6/19/2023-From committee with author's amendments. Read second time and amended. Re-referred to Com. on W., P., & W.

**Location:** 6/8/2023-A. W.,P. & W.

**Calendar:** 7/11/2023 9 a.m. - State Capitol, Room 447 ASSEMBLY WATER, PARKS AND WILDLIFE, BAUER-KAHAN, REBECCA, Chair

**Summary:** Would require the Department of Water Resources, on or before December 31, 2025, to establish a formal process for annually evaluating and improving the accuracy of its water supply forecasts, adopt a new water supply forecasting model that better addresses the effects of climate change, implement a formal policy and procedures for documenting its operational plans for the state's water supply and its rationale for its operating procedures, and develop a comprehensive, long-term plan for mitigating and responding to the effects of drought. The bill would require the department to prepare, and submit to the Legislature, quarterly reports on its progress toward meeting these requirements. The bill would require the department to review and update the plan for mitigating and responding to the effects of drought on or before December 31, 2026, and annually thereafter. The bill would require the department, commencing in 2026 and annually thereafter, to present specified information at an open and public meeting, including the department's operational decisions and their rationale for the state's water supply during the preceding water year. The bill would require the department to include the information presented at the meeting in a report, make the report publicly available on the department's internet website, and submit the report to the Legislature.

**Position**

Watch

**SB 389**

**(Allen D) State Water Resources Control Board: investigation of water right.**

**Last Amend:** 7/6/2023

**Status:** 7/6/2023-From committee with author's amendments. Read second time and amended. Re-referred to Com. on W., P., & W.

**Location:** 6/15/2023-A. W.,P. & W.

**Calendar:** 7/11/2023 9 a.m. - State Capitol, Room 447 ASSEMBLY WATER, PARKS AND WILDLIFE, BAUER-KAHAN, REBECCA, Chair

**Summary:** Current law authorizes the State Water Resources Control Board to investigate bodies of water, to take testimony in regard to the rights to water or the use of water, and to ascertain whether or not water is appropriated lawfully, as provided. Under current law, the diversion or use of water other than as authorized by specified provisions of law is a trespass, subject to specified civil liability. This bill would instead authorize the board to investigate and ascertain whether or not a water right is valid. The bill would authorize the board to issue an information order in furtherance of an investigation, as executed by the executive director of the board, to a water right holder or claimant, diverter, or user to provide the information related to a diversion and use of water, as specified. The bill would authorize a diversion or use of water ascertained to be unauthorized pursuant to this provision to be enforced as a trespass.

**Position**

Watch

**SB 537**

**(Becker D) Open meetings: multijurisdictional, cross-county agencies: teleconferences.**

**Last Amend:** 4/24/2023

**Status:** 6/15/2023-Referred to Com. on L. GOV.

**Location:** 6/15/2023-A. L. GOV.

**Calendar:** 7/12/2023 9:30 a.m. - State Capitol, Room 126 ASSEMBLY LOCAL GOVERNMENT, CARRILLO, JUAN, Chair

**Summary:** Current law, under the Ralph M. Brown Act, requires that, during a teleconference, at least a quorum of the members of the legislative body participate from locations within the boundaries of the territory over which the local agency exercises jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. Current law, until January 1, 2024, authorizes the legislative body of a local agency to use alternate teleconferencing provisions during a proclaimed state of emergency or in other situations related to public health that exempt a legislative body from the general requirements (emergency provisions) and impose different requirements for notice, agenda, and public participation, as prescribed. The emergency provisions specify that they do not require a legislative body to provide a physical location from which the public may attend or comment. Current law, until January 1, 2026, authorizes the legislative body of a local agency to use alternative teleconferencing in certain circumstances related to the particular member if at least a quorum of its members participate from a singular physical location that is open to the public and situated within the agency's jurisdiction and other requirements are met, including restrictions on remote participation by a member of the legislative body. These circumstances include if a member shows "just cause," including for a childcare or caregiving need of a relative that requires the member to participate remotely. This bill would expand the circumstances of "just cause" to apply to the situation in which an immunocompromised child, parent, grandparent, or other specified relative requires the member to participate remotely.

**Position**

Watch

**SB 597**

**(Glazer D) Building standards: rainwater catchment systems.**

**Last Amend:** 6/22/2023

**Status:** 6/22/2023-Read second time and amended. Re-referred to Com. on APPR.

**Location:** 6/21/2023-A. APPR.

**Calendar:** 7/12/2023 9 a.m. - 1021 O Street, Room 1100 ASSEMBLY APPROPRIATIONS, HOLDEN, CHRIS, Chair

**Summary:** Current law makes the California Building Standards Commission responsible for the publication of an updated edition of the California Building Standards Code every 3 years. This bill would require the department to conduct research and develop recommendations regarding building standards for the installation of rainwater catchment systems in newly constructed residential dwellings and would authorize the department to propose related building standards to the commission for consideration, as specified. The bill would authorize the department to expend moneys from the Building Standards Administration Special Revolving Fund for the above-described purposes, upon appropriation by the Legislature, as specified. The bill would require the department, on or before January 1, 2025, to provide a report to specified committees of the Legislature regarding the outcomes of its research and the recommendations developed.

**Position**

Watch

**SB 756**

**(Laird D) Water: inspection: administrative procedure: notice: service.**

**Last Amend:** 5/15/2023

**Status:** 6/27/2023-From committee: Do pass and re-refer to Com. on APPR. with recommendation: To consent calendar. (Ayes 11. Noes 0.) (June 27). Re-referred to Com. on APPR.

**Location:** 6/27/2023-A. APPR.

**Calendar:** 7/12/2023 9 a.m. - 1021 O Street, Room 1100 ASSEMBLY APPROPRIATIONS, HOLDEN, CHRIS, Chair

**Summary:** Current law authorizes the State Water Resources Control Board to investigate all streams, stream systems, lakes, or other bodies of water, take testimony relating to the rights to water or the use of water, and ascertain whether water filed upon or attempted to be appropriated is appropriated under the laws of the state. Current law requires the board to take all appropriate proceedings or actions to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of water in this state. This bill would authorize the board, in conducting an investigation or proceeding for these purposes, to inspect the property or facilities of

any person or entity to ascertain certain purposes are being met or compliance with specified requirements. The bill would authorize the board, if consent is denied for an inspection, to obtain an inspection warrant, as specified, or in the event of an emergency affecting public health and safety pertaining to the particular site under which the inspection is being sought, to conduct an inspection without consent or a warrant. The bill would authorize the board to participate in an inspection of an unlicensed cannabis cultivation site, as specified.

**Position**

Watch

**Total Measures: 49**

**Total Tracking Forms: 49**

# Memo

G, H

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

TWELVE MONTH CALENDAR / OTHER MEETINGS /

REPORTS / BOARD COMMENTS

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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 7/12/23)**

Date(s)	Event	Time	Location	Attending Board Member(s)	Additional Information (Speakers' Topic, Cohosts, etc.)
<b><u>JULY 2023</u></b>					
4-Jul	Completed Anti-Harassment Training			Meyers	
6-Jul	Conference Call RE: LAFCO			Guerin	
9-Jul	Meeting with the General Manager RE: Detachment and SDCWA			Watt	
12-Jul	Conference Call with the General Manager RE: Detachment			Guerin	
10-Jul	Meeting with the General Manager RE: Detachment and SDCWA Special Board Meeting			Meyers	
18-Jul	COWU Luncheon	11:30 AM - 1:30 PM	The Butcher Shop	Watt	
18-Jul	Board Meeting Pre-Briefing	1:30 PM		Guerin	

# Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: INFORMATIONAL REPORTS

CORRESPONDENCE

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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.

June 29, 2023

The Honorable Ben Allen, Chair  
Senate Environmental Quality Committee  
1021 O Street, Room 3230  
Sacramento, CA 95814

**Re: AB 1594 (Garcia) Medium- and heavy-duty zero-emission vehicles: Public agencies - SUPPORT**

Dear Chairman Allen:

On behalf of Olivenhain Municipal Water District, I am writing in support of Assembly Bill 1594 by Assemblymember Eduardo Garcia. This bill would require that any state regulation applicable to essential public agency utility vehicles ensures that those vehicles can support a public agency utility's ability to maintain reliable water and electric service, respond to disasters in an emergency capacity, and provide mutual aid assistance statewide and nationwide. OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

California's publicly owned electric, water, and wastewater utilities provide services that are critical to public health, safety, and welfare, as well as economic and national security. These publicly owned utilities rely on highly specialized medium- and heavy-duty vehicles to respond to emergencies, restore service, and prevent disruptions. As these utilities transition their fleets to zero-emission vehicles (ZEV) everywhere feasible by 2045 (consistent with Executive Order N-79-20), it is critical to have flexibility if a ZEV is not commercially available or cannot meet utility needs, such as when responding to an emergency.

The California Air Resources Board (CARB) is taking final action on a rule that would require publicly owned utilities to purchase 100% ZEVs starting in 2027. The rule would require a publicly owned utility to purchase a ZEV even in cases where the utility can show with evidence that there is no ZEV commercially available or capable of meeting the utility's needs. Without providing reasonable flexibility, this rule would hamper the ability of publicly owned utilities to maintain service, respond to emergencies, and provide mutual aid assistance when needed.

AB 1594 is necessary to meet our 100% ZEV goals in a manner tailored to each publicly owned utility and the essential services they provide their communities. Specifically, for regulations such as the CARB rule referenced above, AB 1594 would require the state agency to coordinate with public agency utilities, to identify vehicle vendors and suppliers that meet zero-emission vehicle standards and the public agency utilities' technical and performance requirements. It would also require CARB to



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Alfred Smith, Esq.

recognize the diversity of fleet size, terrain, and climate, and authorize public agency utilities to purchase replacements for traditional utility specialized vehicles that are at the end of life when needed to maintain reliable service and respond to major foreseeable events.

For the reasons stated above, OMWD supports AB 1594. 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](mailto:kthorner@olivenhain.com).

Regards,

A handwritten signature in blue ink that reads "Kimberly A. Thorner".

Kimberly A. Thorner  
General Manager

CC: Members, Senate Environmental Quality Committee  
Erik Walters, Chief Consultant for Senate Environmental Quality Committee  
Scott Seekatz, Republican Consultant for Senate Environmental Quality Committee  
Ashley Walker, Nossaman, LLP ([awalker@nossaman.com](mailto:awalker@nossaman.com))  
Senator Toni Atkins  
Senator Catherine Blakespear  
Senator Brian Jones



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

June 29, 2023

The Honorable Cecilia Aguiar-Curry, Chair  
Assembly Local Government Committee  
1020 N. Street, Room 157  
Sacramento, CA 95814

**Re: SB 411 (Portantino) Open Meetings: Teleconferences: Bodies with Appointed Membership-SUPPORT**

Dear Chair Aguiar-Curry:

On behalf of Olivenhain Municipal Water District, I am writing in support of Senate Bill 411 by Senator Anthony Portantino. This bill ensures alternate teleconferencing provisions indefinitely to boards and advisory boards of local agencies and commissions. SB 411 will allow boards and commissions to continue to serve their constituents uninterrupted by extending appropriate COVID-19 pandemic provisions. OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

Virtual public meetings (allowed by Governor Newsom's Executive Order during the Covid-19 pandemic) permitted local governments to remain operational during the pandemic via virtual teleconference. This allowed the government to remain productive and responsive to constituent needs, improved public involvement, increased the pool of individuals able to serve on governmental bodies, and protected the health and safety of civil servants and the public.

Governor Newsom's Executive Order has ended and local governments are now only able to use virtual meetings temporarily during emergencies. This has the effect of reducing public participation and reducing the pool of applicants who have the desire and ability to serve.

Virtual meetings have allowed much easier access to appointed or elected bodies of local agencies with far more members of the public participating in each meeting. This has created greater equity in the process and fostered the health of our democracy. SB 411 will ensure access to virtual teleconference meetings.





For the reasons stated above, OMWD supports SB 411. 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](mailto:kthorner@olivenhain.com).

Regards,



Kimberly A. Thorner  
General Manager

CC: Members, Assembly Local Government Committee  
Angela Mapp, Chief Consultant for Assembly Local Government Committee  
William Weber, Republican Consultant for Assembly Local Government Committee  
Assemblymember Tasha Boerner  
Assemblymember Brian Maienschein  
Ashley Walker, Nossaman, LLP ([awalker@nossaman.com](mailto:awalker@nossaman.com))



**Board of Directors**

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

June 29, 2023

The Honorable Shelley Moore Capito  
United States Senate  
Washington DC, 20510

**RE: Comments on Draft Perfluoroalkyl Substances Legislation**

Dear Senator Capito:

On behalf of Olivenhain Municipal Water District, thank you for the opportunity to contribute input on the draft perfluoroalkyl substances legislative language to carry out actions and address the treatment, management, and destruction of PFAS and other emerging contaminants. OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

OMWD believes that it is important to ensure that any PFAS legislation proposed by Congress maintains fidelity with the foundational CERCLA principle that the "polluter pays" for any adverse environmental or public health impacts from PFAS exposure or contamination. Central to this priority is that passive receivers including those that manage wastewater and biosolids, must be protected from CERCLA liability.

If the US Environmental Protection Agency finalizes its rulemaking to designate PFAS chemicals as hazardous substances under CERCLA, the decision would trigger CERCLA's joint and several strict liability regime. This triggering event would expose passive receivers to untold levels of potential liability from responsible parties that would seek to dilute their responsibility for creating public health threats. Absent such protection, as an example, biosolids resources that are critical to the health of our soils through nutrient enrichment, carbon sequestration, improved crop yields, and other benefits will be deemed too high a risk and the burden of potential for liability under CERCLA would eliminate decades of arguably the most successful recycling program in the nation. This is not an academic concern and unintended consequences impacting effluent discharges and recycled water are also likely.

As it relates to the priority for a passive receivers liability exemption, OMWD seeks to ensure that the following elements are included as part of any PFAS legislation:

1. Define passive receiver to include any entity, public or private, that is responsible for the management and treatment of wastewater, residuals, including biosolids and their land application, and water recycling.
2. Define activities covered under any passive receiver exemption as explicitly including activities related to the distribution of products derived from treatment and resource recovery (e.g. compost and any other product derived from wastewater management).



With regard to the proposed legislative language, we provide the following comments:

- Given the state of PFAS treatment and destruction technologies available to passive receivers, the economic burdens of implementing these technologies will be substantial, and even if fully implemented, may not achieve the goal of eliminating PFAS exposure. Additionally, known water treatment technology like granulated activated carbon (GAC) is not only expensive, but supply of GAC may fail to meet demand for this product if rapid expansion of usage is expected. It is also important that any legislation support the development of emerging technologies that efficiently remove PFAS from water and wastewater systems. We would also request that an exemption from liability be provided as to the use of these new technologies to expedite the introduction and adoption of new treatment and destruction approaches that passive receivers might otherwise be hesitant to implement due to the inherent risks attendant to the use of innovative but unproven approaches.
- In tandem with any technology development program, we believe that an exemption from Build America Buy America should be provided to allow for the demonstration and production of promising technologies that may have been developed and produced overseas.
- Allowing states to use up to 1% of their State Revolving Loan Fund capitalization grant to support the development of a registry to identify the discharge of PFAS-laden industrial effluent could enhance efforts to develop source controls and local limits that will inform regulatory authorities where to invest limited public resources that will return meaningful benefits to the public and inform on any required enforcement efforts to reduce impact on passive receivers. It should be noted that source control and elimination of these compounds in commerce where not essential will ultimately be the most cost-effective and sustainable solution.
- The concept of an X-Prize from PFAS detection, treatment, and destruction is a sound approach to advance innovation. X-Prize programs have delivered important returns in the water and energy sectors.

Thank you for the opportunity to submit public comments on the proposed legislation. Should you have any questions or need any additional information, please do not hesitate to contact me at 760-753-6466 or [kthorner@olivenhain.com](mailto:kthorner@olivenhain.com).

Sincerely,



Kimberly A. Thorner  
General Manager

CC: Jason Matthews, BlueWater Strategies LLC ([jmatthews@bwstrategies.com](mailto:jmatthews@bwstrategies.com))  
Ashley Walker, Nossaman, LLP ([awalker@nossaman.com](mailto:awalker@nossaman.com))



June 29, 2023

The Honorable Tom Carper  
United States Senate  
Washington DC, 20510

**RE: Comments on Draft Perfluoroalkyl Substances Legislation**

Dear Senator Carper:

On behalf of Olivenhain Municipal Water District, thank you for the opportunity to contribute input on the draft perfluoroalkyl substances legislative language to carry out actions and address the treatment, management, and destruction of PFAS and other emerging contaminants. OMWD provides 87,000 customers in northern San Diego County with water, wastewater, recycled water, hydroelectric, and recreational services.

OMWD believes that it is important to ensure that any PFAS legislation proposed by Congress maintains fidelity with the foundational CERCLA principle that the “polluter pays” for any adverse environmental or public health impacts from PFAS exposure or contamination. Central to this priority is that passive receivers including those that manage wastewater and biosolids, must be protected from CERCLA liability.

If the US Environmental Protection Agency finalizes its rulemaking to designate PFAS chemicals as hazardous substances under CERCLA, the decision would trigger CERCLA’s joint and several strict liability regime. This triggering event would expose passive receivers to untold levels of potential liability from responsible parties that would seek to dilute their responsibility for creating public health threats. Absent such protection, as an example, biosolids resources that are critical to the health of our soils through nutrient enrichment, carbon sequestration, improved crop yields, and other benefits will be deemed too high a risk and the burden of potential for liability under CERCLA would eliminate decades of arguably the most successful recycling program in the nation. This is not an academic concern and unintended consequences impacting effluent discharges and recycled water are also likely.

As it relates to the priority for a passive receivers liability exemption, OMWD seeks to ensure that the following elements are included as part of any PFAS legislation:

1. Define passive receiver to include any entity, public or private, that is responsible for the management and treatment of wastewater, residuals, including biosolids and their land application, and water recycling.
2. Define activities covered under any passive receiver exemption as explicitly including activities related to the distribution of products derived from treatment and resource recovery (e.g. compost and any other product derived from wastewater management).



With regard to the proposed legislative language, we provide the following comments:

- Given the state of PFAS treatment and destruction technologies available to passive receivers, the economic burdens of implementing these technologies will be substantial, and even if fully implemented, may not achieve the goal of eliminating PFAS exposure. Additionally, known water treatment technology like granulated activated carbon (GAC) is not only expensive, but supply of GAC may fail to meet demand for this product if rapid expansion of usage is expected. It is also important that any legislation support the development of emerging technologies that efficiently remove PFAS from water and wastewater systems. We would also request that an exemption from liability be provided as to the use of these new technologies to expedite the introduction and adoption of new treatment and destruction approaches that passive receivers might otherwise be hesitant to implement due to the inherent risks attendant to the use of innovative but unproven approaches.
- In tandem with any technology development program, we believe that an exemption from Build America Buy America should be provided to allow for the demonstration and production of promising technologies that may have been developed and produced overseas.
- Allowing states to use up to 1% of their State Revolving Loan Fund capitalization grant to support the development of a registry to identify the discharge of PFAS-laden industrial effluent could enhance efforts to develop source controls and local limits that will inform regulatory authorities where to invest limited public resources that will return meaningful benefits to the public and inform on any required enforcement efforts to reduce impact on passive receivers. It should be noted that source control and elimination of these compounds in commerce where not essential will ultimately be the most cost-effective and sustainable solution.
- The concept of an X-Prize from PFAS detection, treatment, and destruction is a sound approach to advance innovation. X-Prize programs have delivered important returns in the water and energy sectors.

Thank you for the opportunity to submit public comments on the proposed legislation. Should you have any questions or need any additional information, please do not hesitate to contact me at 760-753-6466 or [kthorner@olivenhain.com](mailto:kthorner@olivenhain.com).

Sincerely,



Kimberly A. Thorner  
General Manager

CC: Jason Matthews, BlueWater Strategies LLC ([jmatthews@bwstrategies.com](mailto:jmatthews@bwstrategies.com))  
Ashley Walker, Nossaman, LLP ([awalker@nossaman.com](mailto:awalker@nossaman.com))

# Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: AUTHORIZATION TO ATTEND UPCOMING MEETINGS /  
CONFERENCES / SEMINARS

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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

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# Memo

Date: July 19, 2023  
To: Olivenhain Municipal Water District Board of Directors  
From: Leo Mendez, Accounting Supervisor  
Rainy Selamat, Finance Manager  
Via: Kimberly Thorner, General Manager  
Subject: **PUBLIC HEARING TO CONSIDER THE OLIVENHAIN MUNICIPAL WATER DISTRICT'S WATER CAPACITY FEES FOR 2023 (5:30 P.M)**

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## Purpose

The purpose of this agenda item is to receive and consider public comments regarding the proposed changes to the District's water capacity fees for calendar year 2023. The date and time of this public hearing was set at the June 21, 2023 board meeting.

## Recommendation

The Staff-proposed recommendation is to use the Capacity Buy-in methodology to calculate capacity fees with a 5 year phase-in included in the Water Capacity Fee Study Report (Report) attached and shown below. 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.

At 95% build-out, using the Capacity Buy-in Methodology, the District would be able to use capacity fees to fund its future capital replacement and betterment projects. The Board will vote on the fees and adopt an ordinance at the August 16<sup>th</sup> board meeting to increase the fees. The capacity fees were last increased in October 2022 by 3.8%, based

on the Engineering News Record (ENR) Construction Cost Index (CCI) for Los Angeles in October 2022.

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

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

---

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

## Alternatives

The calculated capacity fees included in the Report (attached) show significant increases to the current water capacity fees for Zones A, C, and E. At the June 21<sup>st</sup> board meeting, phasing in capacity fee increases over five years and adjusting the fees through 2027 was discussed and considered by the Board.

The Board may also choose to not increase the District's water capacity fees as recommended by staff and/or to delay the District's water capacity fee increase for calendar year 2023. Further delays in adjusting water capacity fees will increase the burden on existing water users for capital costs of replacing and refurbishing the District's water infrastructure.

## Background

The last comprehensive review of District water capacity fee was completed in 2011. Since the last review, the District's water capacity fees have been increased by Engineering News Record – Construction Cost Index in accordance with the District's Administrative and Ethic Code.

The goal of a water capacity fee update is to ensure that new users pay their fair share of the costs of the existing infrastructure required to serve them so that existing water users (rate payers) are not burdened with the costs of serving them and for the replacement and refurbishment of the District's water infrastructure.

At the May 17, 2023, regular board meeting, the District's consultant, Raftelis Financial Consultants, and staff presented the results of an updated capacity fee report to the Board of Directors.

### **Fiscal Impact**

The District's philosophy on capacity fees is that new development should pay their fair share of District assets and proposed facilities needed to provide service to their projects. At 95% build-out, the District's total system value is estimated at \$636,977,598, exclusive of capital contributions from major developers in their zone of benefits.

Revenue generated from capacity fees will be used to provide funds for renewal and replacement of capital projects and to repay debt issues to finance the water infrastructure based on the total capacity of system.

The District has about 1,180 Equivalent Dwelling Units (EDUs) remaining until it is completely built-out in 2050. The expected revenue loss from not increasing capacity fee revenues as calculated in the Report would be \$2.9 million through 2050. Delaying water capacity fee adjustments will increase the burden on existing water users to pay for the increased capital costs of replacing and refurbishing the District's water infrastructure.

### **Discussion**

The purpose of the Public Hearing is to receive comments from interested parties regarding the proposed water capacity fees for calendar year 2023 and capacity fee adjustments through 2027.

The reason for these adjustments is to adjust the capacity fees accordingly to reflect the total capacity of the system and the value of the district's assets, including updated estimated pipeline replacement costs.



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

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

Due to significant increases in the calculated capacity fees, a 5 year phase-in program with an ENR adjustment in year 2, 3, 4 and 5 is proposed and recommended. The proposed phased-in increases are as follows:

	2023	2024	2025	2026	2027
Zone A	7.0%	7% + ENR Adj. <sup>1</sup>	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.

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

The District implemented a 3 year phase-in program in 2012, 2013, and 2014. From 2015 until 2022, the District's water capacity fees were increased by ENR CCI adjustment in accordance with the District's Administrative and Ethics Code.

Notification of the July 19, 2023 public hearing was posted in the San Diego Union Tribune on July 7<sup>th</sup> and July 14<sup>th</sup> and posted on the District's website. The notice of public hearing and the recommended increases to the current water capacity fees included in the Report were sent electronically to the Building Industry Association on June 20, 2023.

A copy of the draft Water Capacity Fee Report prepared by the District's consultant, Raftelis Financial Consultants, is attached for review. Staff and Mr. Sudhir Pardiwala, Executive Vice President at Raftelis Financial Consultants, will be available at the hearing.

Attachments: **Attachment 1** – Capacity Fee Hearing Presentation (Raftelis)  
**Attachment 2** – DRAFT Water Capacity Study Report (Raftelis)

# 2023 Water Capacity Fees (Public Hearing)

July 19, 2023 – 5:30 P.M.





# Agenda

1. Capacity Fees 101
2. Legal background and methodology
3. Results of the Water Capacity Fee Study
4. Recommended Capacity fee increases
5. Next Steps
6. Address questions on study results or methodology



# Capacity Fees 101

- **What are Capacity Fees?**
  - *One-time capital charges assessed against new development as a way to provide or cover a proportional share of the costs of capital facilities constructed or to be constructed for its use*
    - *Address equity concerns between current and future users*
  - *Commonly known as connection fees, capacity fees, system development charges, impact fees, etc.*

# Capacity Fee Study

- Since 2015, capacity fees have annually increased by ENR-CCI (Engineering News Record Cost of Construction Index)
- Olivenhain Municipal Water District requested Raftelis' assistance in developing justifiable capacity fees for water
- Raftelis conducted workshops discussing different methodologies for capacity fees and proposed increases
  - Capacity Buy-In approach is recommended by Raftelis



# Legal Environment

- **CAPACITY FEES MUST:**

- Reflect the link between fees and benefits received by new customers
- Not exceed the proportional share of costs associated with providing service

per **Assembly Bill (“AB”) 1600** (codified as California Government Code §66000 – 66008) as well as §66013, 66016, 66022, and 66023



# Methodology: Capacity Buy-In

- Recognizes that new customers share in the system costs with existing customers
- Typical Approaches for System Value: Original Cost, Original Cost Less Depreciation, Replacement Cost, Replacement Cost Less Depreciation
- System value is divided by its capacity (Build-out EDUs)



# Build-out EDUs by Zone of Benefit (ZOB)

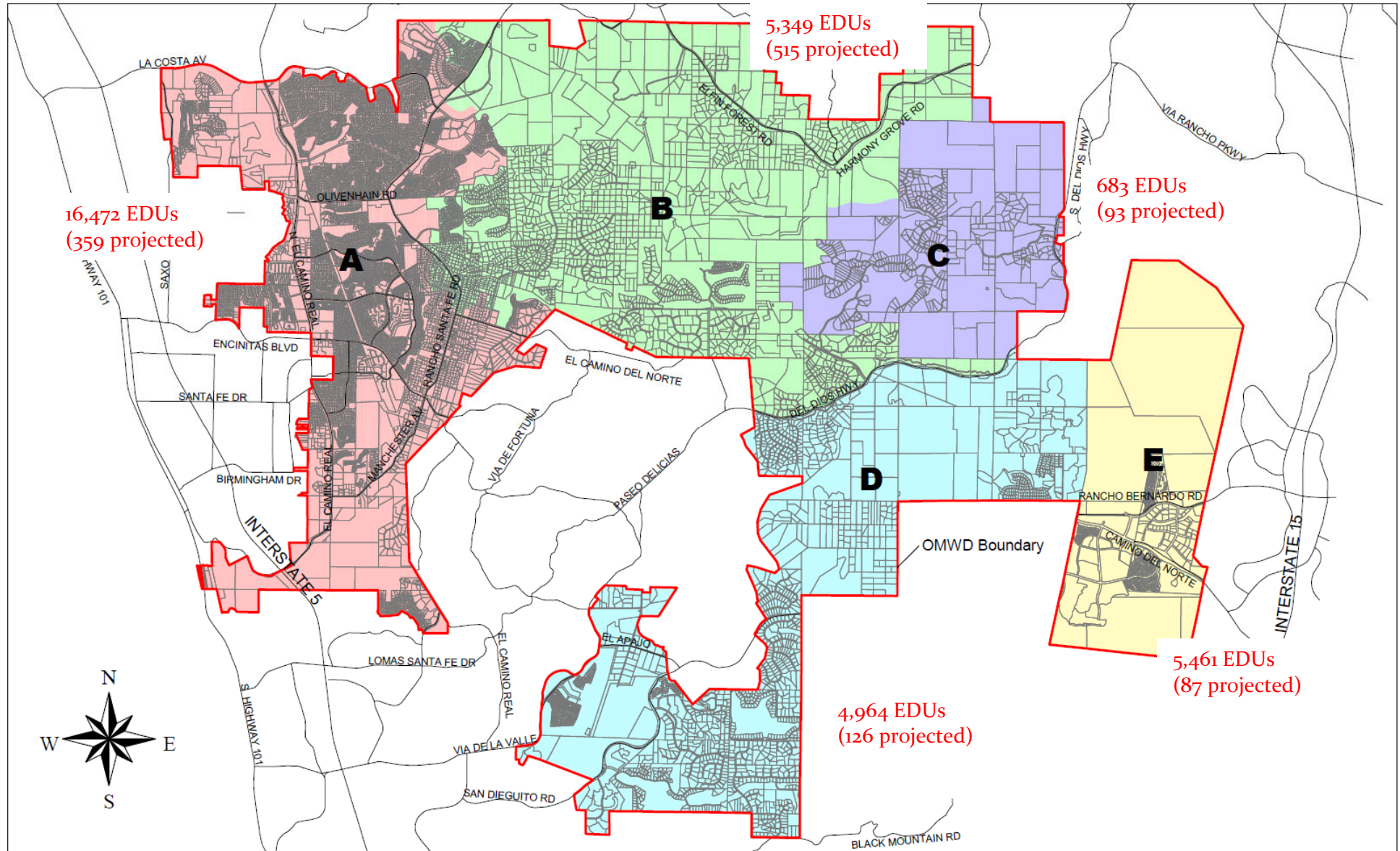
Zone of Benefit	Current EDUs	EDU Projections	Build-Out EDUs By Zone
Zone A	16,113	359	16,472
Zone B	4,834	515	5,349
Zone C	590	93	683
Zone D	4,838	126	4,964
Zone E	5,374	87	5,461
Total	31,749	1,180	32,929

EDUs by Zone provided by Engineering Department



# Zones of Benefit (ZOB)

Total Existing EDUs: 31,749  
Total Projected EDUs: 1,180  
Total Build-out EDUs: 32,929



# Methodology: Capacity buy-in

## Net Asset Value Calculation

Line No.	Description	Total System	Base	Zone of Benefit
1	Water System Value	\$185,966,836	\$175,376,519	\$10,590,317
2	Recycled water Assets Value	\$11,580,734	\$11,580,734	\$0
3	Pipeline Costs	\$458,149,848	\$245,691,321	\$212,458,527
4	2023 CIP – Water & Recycled Water	\$17,031,000	\$17,031,000	\$0
5	Groundwater Project Costs 2023 CIP	\$700,000	\$700,000	\$0
6	Less Debt Principal Outstanding	(\$36,450,820)	(\$36,450,820)	\$0
7	<b>Net Asset Value</b>	<b>\$636,977,598</b>	<b>\$413,928,754</b>	<b>\$223,048,844</b>

Asset Value excludes any contributed assets (assets contributed by developers)

Base Assets include assets benefitting all zones



# Base Capacity for All Zones

Base Capacity Fee Component	
Base Allocated Asset Costs	\$413,928,754
Distribution Cost Allocated to Zone B	\$0
Build-Out Edu's By Zone	32,929
Base Component Capacity Fee	\$12,570



# Capacity Fee by Zone of Benefit

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

# The Study Recommended Fees for one EDU by Zone of Benefit

Comparison one EDU (3/4 inch meter)	Current	Proposed	Difference (\$)	Difference (%)
Zone A	\$16,126	\$21,700	\$5,574	35%
Zone B	\$11,571	\$12,570	\$1,000	9%
Zone C	\$11,785	\$14,004	\$2,219	19%
Zone D	\$24,421	\$24,764	\$343	1%
Zone E	\$11,952	\$14,612	\$2,660	22%

- Assumptions used in the Study:
  - Pipeline value used of \$67 in. diameter per lineal ft. (District recent bids in \$55-80 range per Engineering)
  - Exclude Contributed Capital
  - Cash reserves of \$72.5 million excluded in calculation of capacity fees
    - Raftelis recommended including but indicated we may exclude them to be consistent w/ prior study
    - Including reserves results in a 15-20% increase on top of the changes above



# OMWD Meter Capacity Ratio

- The capacity ratios below are used to determine the fees for the various meter sizes
- Capacity ratios are based on the Engineer's Report prepared for Olivenhain Municipal Water District Assessment District No. 96-1

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

# 2023 Recommended Fees By Meter Size

Proposed Capacity Fee	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

# Recommended Fees – By ZOB with 5-year phase-in + ENR Adj.

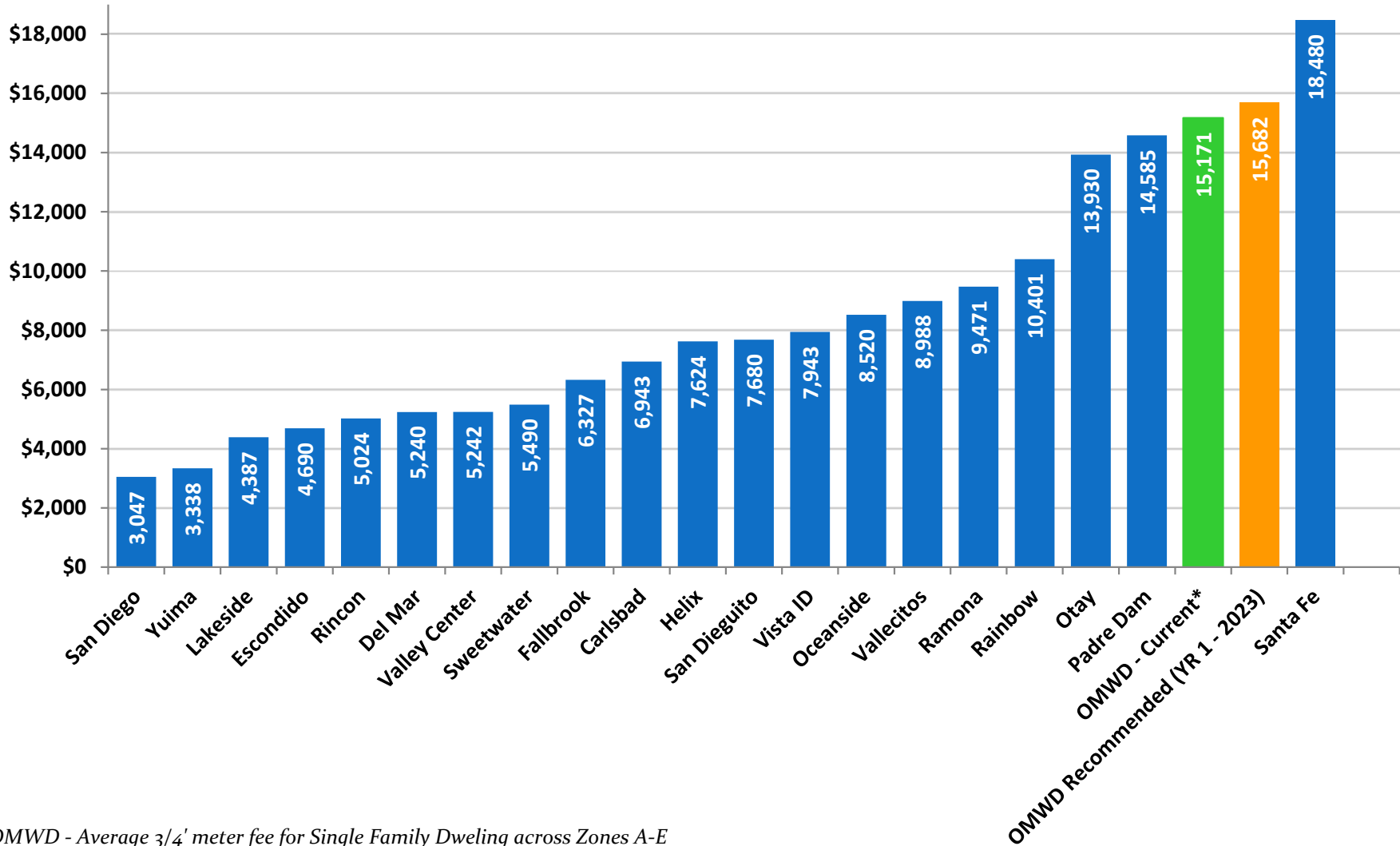
- Phase-in consistent with 2011 study
- Lessens the burden on new users while gradually increasing fees to recommended amounts

	2023	2024	2025	2026	2027
Zone A	7.0%	7.0% + ENR Adj.	7.0% + ENR Adj.	7.0% + ENR Adj.	7.0% + ENR Adj.
Zone B	1.8%	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.
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Zone E	4.4%	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.	4.4% + ENR Adj.



# Survey of member agencies

**SURVEY OF SDCWA MEMBER AGENCY WATER CAPACITY FEES**  
As of July 2023



\*OMWD - Average 3/4' meter fee for Single Family Dwelling across Zones A-E

# Next Steps

- Board to vote on proposed increase for 2023 at the August Board meeting



Questions?

# **Olivenhain Municipal Water District**

## **Water Capacity Fee Study DRAFT**

June 14, 2023



June 14, 2023

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

**Subject: Water Capacity Fee Study**

Dear Ms. Thorner,

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

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

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

Sincerely,

**Raftelis**

**Sudhir Pardiwala**  
Executive Vice President

**Sarah Wingfield**  
Associate Consultant



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## Glossary of Terms

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

# 1. Executive Summary

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

## 1.1. Background of the Study

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

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

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



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

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

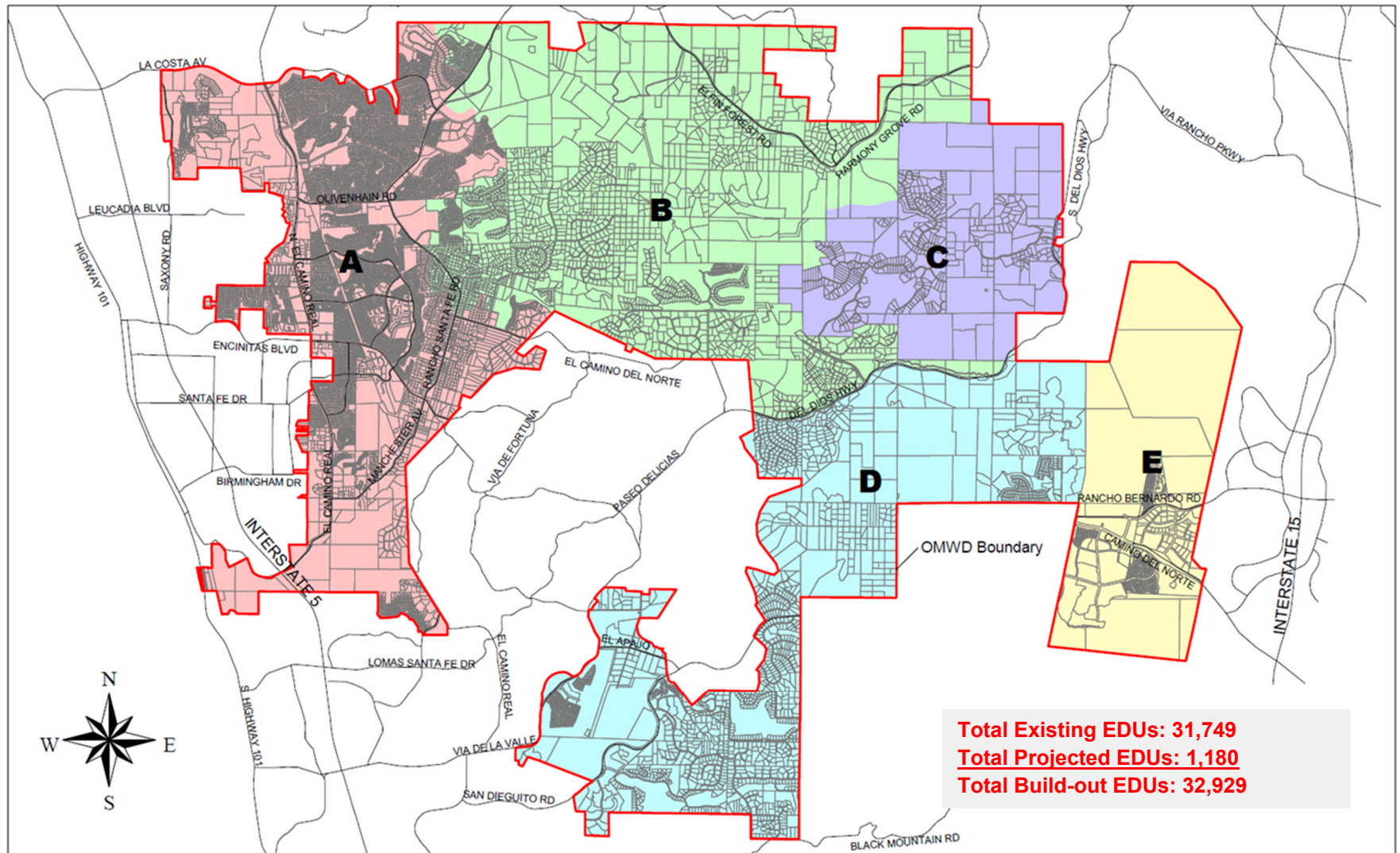
## 1.2. Current Water Capacity Fees

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

**Table 1-1: Current Water Capacity Fees by Zone**

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
<b>5/8 inch</b>	\$11,288	\$8,099	\$8,248	\$17,093	\$8,365
<b>3/4 inch</b>	\$16,126	\$11,570	\$11,785	\$24,421	\$11,951
<b>1 inch</b>	\$30,640	\$21,986	\$22,395	\$46,400	\$22,709
<b>1-1/2 inch</b>	\$49,993	\$35,875	\$36,540	\$75,708	\$37,053
<b>2 inch</b>	\$80,637	\$57,864	\$58,938	\$122,112	\$59,765
<b>3 inch</b>	\$164,500	\$118,045	\$120,237	\$249,108	\$121,924
<b>4 inch</b>	\$275,779	\$197,900	\$201,576	\$417,625	\$204,405
<b>6 inch</b>	\$580,592	\$416,634	\$424,371	\$879,214	\$430,326
<b>8 inch</b>	\$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 (%)
<b>Zone A</b>	\$16,126	\$21,700	\$5,574	35%
<b>Zone B</b>	\$11,570	\$12,570	\$1,000	9%
<b>Zone C</b>	\$11,785	\$14,004	\$2,219	19%
<b>Zone D</b>	\$24,421	\$24,764	\$343	1%
<b>Zone E</b>	\$11,951	\$14,612	\$2,660	22%

**Table 1-3: Calculated Water Capital Facility Fees by Meter Size by Zone**

Meter Size	Zone A	Zone B	Zone C	Zone D	Zone E
<b>5/8 inch</b>	N/A	N/A	N/A	N/A	N/A
<b>3/4 inch</b>	\$21,700	\$12,570	\$14,004	\$24,764	\$14,612
<b>1 inch</b>	\$41,231	\$23,884	\$26,608	\$47,052	\$27,762
<b>1-1/2 inch</b>	\$67,272	\$38,968	\$43,412	\$76,768	\$45,297
<b>2 inch</b>	\$108,502	\$62,852	\$70,020	\$123,820	\$73,059
<b>3 inch</b>	\$221,345	\$128,217	\$142,840	\$252,593	\$149,041
<b>4 inch</b>	\$371,078	\$214,953	\$239,468	\$423,465	\$249,862
<b>6 inch</b>	\$781,218	\$452,532	\$504,143	\$891,504	\$526,025
<b>8 inch</b>	\$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 Capital Facility Fees for a ¾" Meter**

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

<sup>1</sup> 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

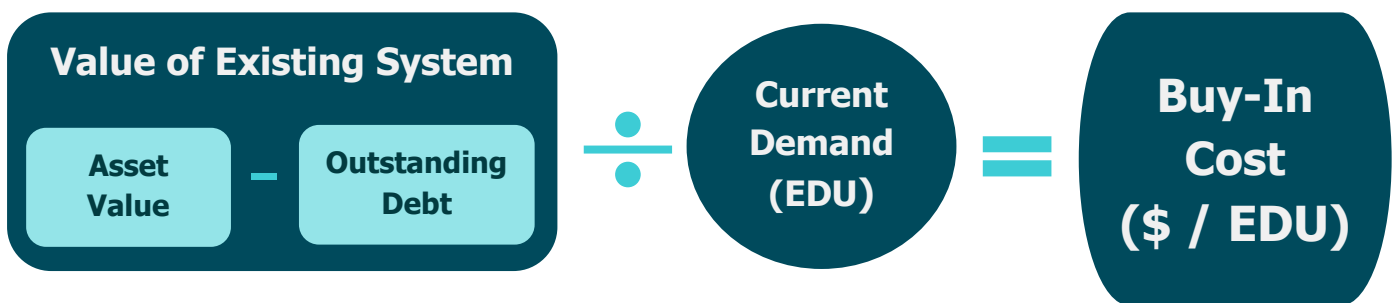
There are several methodologies for calculating capacity fees. The various approaches have largely evolved on the basis of changing public policy, legal requirements, and the unique and special circumstances of every local agency. However, there are two general approaches that are widely accepted and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

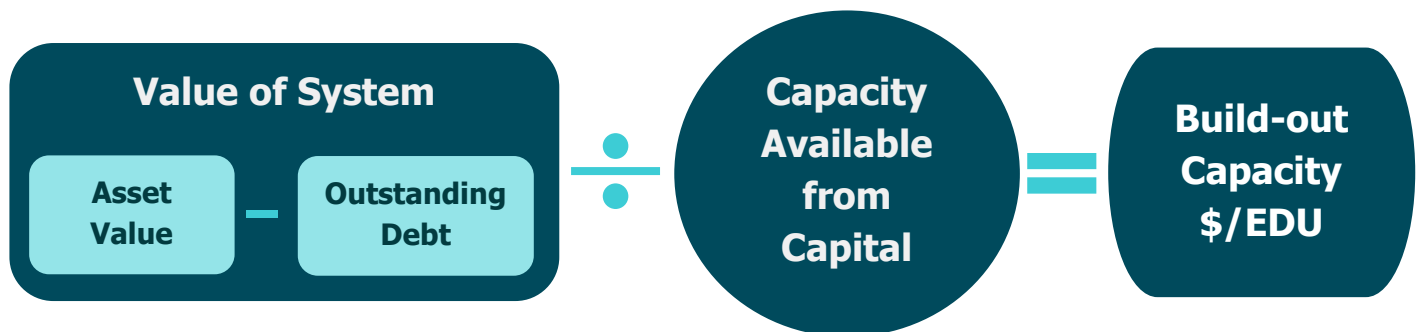


As shown, the value of the system typically includes asset value less any outstanding debt principal. Likewise, debt obligations are secured by the value of the system and used to pay for the assets of the system. Once the value of the existing system is determined, this is divided by the current demand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

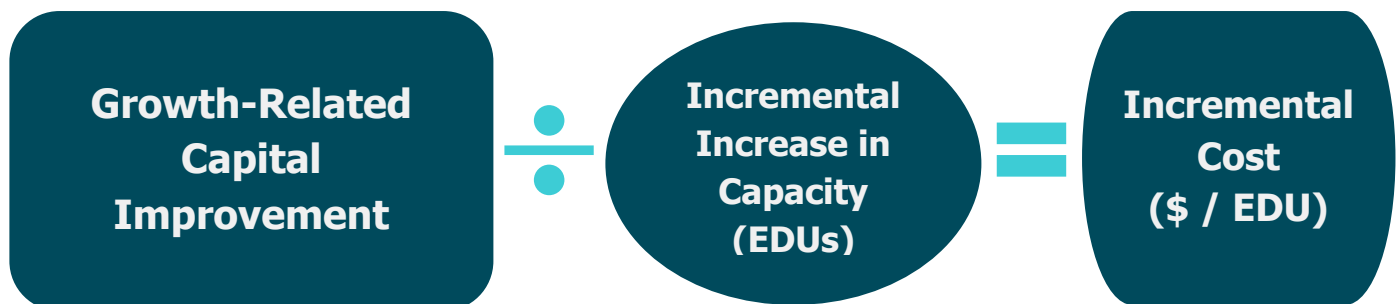


## 2.1.3. INCREMENTAL COST APPROACH

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

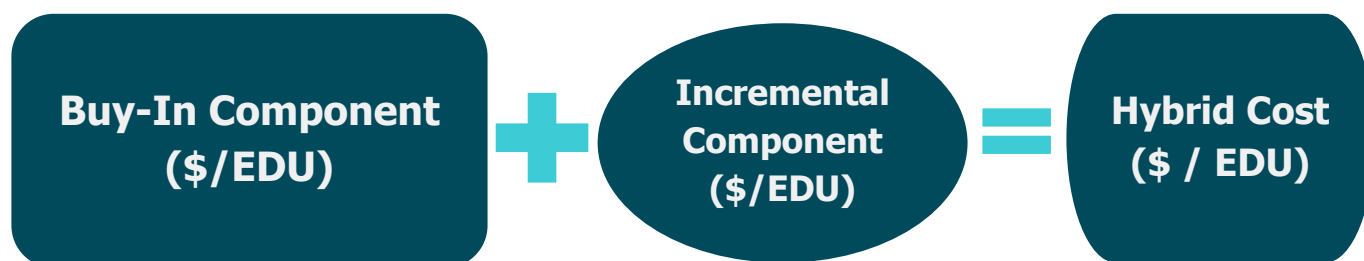


## 2.1.4. HYBRID APPROACH

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 length<sup>2</sup>. 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.

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<sup>2</sup> 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)	
<b>Total - Net Asset Value</b>	<b>\$636,977,598</b>	<b>\$413,928,754</b>	<b>\$223,048,844</b>

\*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
<b>Zone A</b>	16,113	359	16,472
<b>Zone B</b>	4,834	515	5,349
<b>Zone C</b>	590	93	683
<b>Zone D</b>	4,838	126	4,964
<b>Zone E</b>	5,374	87	5,461
<b>Total</b>	<b>31,749</b>	<b>1,180</b>	<b>32,929</b>

## 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
<b>Base Capacity Fee</b>	<b>\$12,570</b>

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
<b>Zonal Component Capacity Fee per EDU</b>	<b>\$9,130</b>	<b>\$0</b>	<b>\$1,434</b>	<b>\$12,194</b>	<b>\$2,041</b>

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 3-4**. Because of the topography and density, the value of the assets serving customers varies significantly along with the corresponding fees.

**Table 3-4: 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
<b>Total Capacity Fee by Zone</b>	<b>\$21,700</b>	<b>\$12,570</b>	<b>\$14,004</b>	<b>\$24,764</b>	<b>\$14,612</b>

### 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 3-5:** OMWD Meter Capacity Ratio are used to determine the fees for the various meter sizes.

**Table 3-5: 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 3-6** 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 3-4**, by the meter ratios, defined in **Table 3-5**, at each zone.

**Table 3-6: 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 3-7** shows a comparison between the current and calculated water capacity fee per EDU in each zone.

**Table 3-7: 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 3-8**.

**Table 3-8: Proposed Water Capital Facility Fees for ¾-in Meter**

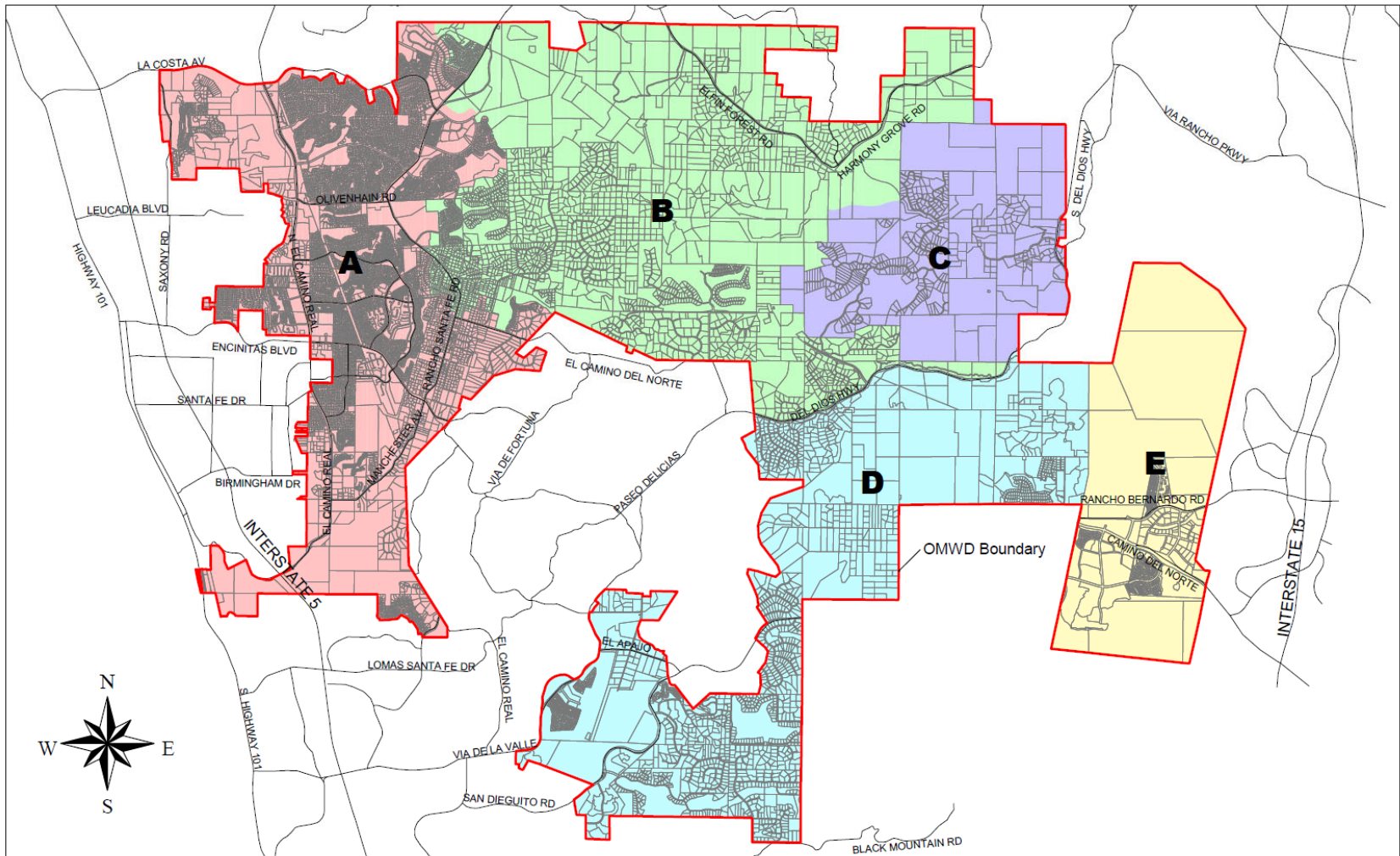
	2023	2024	2025	2026	2027
<b>Zone A</b>	7.0%	7% + ENR Adj. <sup>3</sup>	7% + ENR Adj.	7% + ENR Adj.	7% + ENR Adj.
<b>Zone B</b>	1.8%	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.	1.8% + ENR Adj.
<b>Zone C</b>	3.8%	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.	3.8% + ENR Adj.
<b>Zone D</b>	1.0%	ENR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

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<sup>3</sup> 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**

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

## Appendix B: Water Capital Fee Assets Valuation

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

## Appendix B: Water Capcital Fee Assets Valuation

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

## Appendix B: Water Capital Fee Assets Valuation

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



## Appendix B: Water Capital Fee Assets Valuation

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

## Appendix B: Water Capital Fee Assets Valuation

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

## Appendix B: Water Capital Fee Assets Valuation

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

## Appendix B: Water Capital Fee Assets Valuation

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



## Appendix B: Water Capital Fee Assets Valuation

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



## Appendix B: Water Capital Fee Assets Valuation

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

## Appendix B: Water Capital Fee Assets Valuation

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

# **APPENDIX C:**

## **Water Pipeline Assets Valuation**

## Appendix C: Water Pipeline Assets Valuation

### Olivenhain Municipal Water District - 2022 Water Capacity Study

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

### Summary Pipeline Assets

RCLD -RC Ratio 52%

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

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

## Appendix C: Water Pipeline Assets Valuation

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



## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

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

## Appendix C: Water Pipeline Assets Valuation

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



## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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



## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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



## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

## Appendix C: Water Pipeline Assets Valuation

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

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



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

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

# Memo

To: Olivenhain Municipal Water District Board of Directors

Subject: ADJOURNMENT

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We are adjourned.

## Family Friendly Watershed Approach Wins Olivenhain MWD 2023 Landscape Makeover Contest

Gayle Falkenthal :: 6/26/2023

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By taking a watershed approach to his landscape redesign, homeowner Brad Lefkowits won the Olivenhain Municipal Water District's 2023 Landscape Makeover Contest.



Even the family dog feels right at home in the winning design. Photo: Olivenhain Municipal Water District

Lefkowits was recognized at the June 21 OMWD Board of Directors meeting. The WaterSmart Landscape Contest is held annually by water agencies throughout San Diego County. Entries highlight colorful and lush landscapes that use less water than turf-heavy landscapes. Winning entries exhibit an appealing design, climate-appropriate plant selection, and water-efficient irrigation.





Landscape Contest Winner Brad Lefkowits receives his award from Olivenhain Municipal Water District Board Chairperson Christy Guerin at the June board meeting. Photo: Olivenhain Municipal Water District

"Water is a precious, limited resource in California where the next dry period could be right around the corner," said OMWD Board Treasurer Neal Meyers. "We encourage our customers to continue to increase outdoor water use efficiency, and replacing large turf areas with drought-tolerant plants could cut a home's outdoor water use in half."

### **Family-friendly and water-efficient**





The landscape design features the generous use of swales to capture and hold rainwater to prevent runoff. Photo: Olivenha Municipal Water District

Lefkowits says his goal was to keep as much rainwater on the property as possible using a watershed-inspired landscape design. He captures rainwater in a 530-gallon cistern and sends overflow into a series of connected swales. Swales are shallow, broad channels designed to store water runoff. They are easy to incorporate into landscaping at a minimal cost. The swales in the Lefkowits' yard can hold over an inch of rain without any leaving the property.

Minimizing water runoff to streets reduces the amount of pollutants carried into storm drains and eventually into the ocean.





Both native plants and Mediterranean climate plants are incorporated into the winning design. Photo: Olivenhain Municipal Water District

Lefkowits included both native plants and attractive and hardy plants from other Mediterranean climates around the world in his landscape. He installed a 300-square-foot lawn for two sons and the family dog, using a mix of California Buffalo Grass and native [Carex praegracilis](#). It only needs to be watered once a week.





A small area of low-water-use grasses accommodates kids and pets. Photo: Olivenhain Municipal Water District

While Lefkowitz uses high-efficiency rotating sprinkler nozzles for the small lawn, all other areas are irrigated with an in-line drip system.

The result is a yard with multiple uses and surprises around every turn. It has a lush appearance and still accommodates family activities without using grass requiring much water.





The finished project offers something for every member of the Lefkowitz family to enjoy. Photo: Olivenhain Municipal Water District

*(Editor's note: The Olivenhain Municipal Water District is one of the San Diego County Water Authority's [24 member agencies](#) that deliver water across the San Diego County region.)*



# OMWD board recognizes winner of 2023 WaterSmart Landscape Contest

**EA** [encinitasadvocate.com/lifestyle/story/2023-06-30/omwd-board-recognizes-winner-of-2023-watersmart-landscape-contest](https://encinitasadvocate.com/lifestyle/story/2023-06-30/omwd-board-recognizes-winner-of-2023-watersmart-landscape-contest)

June 30, 2023 4:56 PM PT



Backyard of Brad Lefkowits, winner of OMWD's 2023 WaterSmart Landscape Contest"

(Courtesy of Brad Lefkowits)

The Olivenhain Municipal Water District Board of Directors honored Brad Lefkowits at its June 21 meeting as winner of its annual contest designed to inspire attractive landscape transformations that reduce outdoor water use, according to a news release.

“Water is a precious, limited resource in California where the next dry period could be right around the corner,” said OMWD Board Treasurer Neal Meyers in the news release. “We encourage our customers to continue to increase outdoor water use efficiency, and replacing large turf areas with drought-tolerant plants could cut a home’s outdoor water use in half.”

The WaterSmart Landscape Contest is held annually by water agencies throughout San Diego County to highlight colorful and lush landscapes that use less water than turf-heavy landscapes and often require less maintenance. Winning entries exhibit an appealing design, climate-appropriate plant selection, and water-efficient irrigation.

Lefkowits’ water-efficient landscape displays a watershed approach to landscape design. His goal was to keep as much rainwater on the property as possible. He captures rainwater in a 530-gallon cistern and sends overflow into a series of connected swales that can hold over an inch of rain without a drop leaving the property. Minimizing water runoff into the streets reduces the number of pollutants that are carried down into storm drains and eventually into the ocean.

In addition to planting many native plant species, Lefkowits included attractive and hardy plants from other Mediterranean climates around the world in his landscape. He also installed a 300-square-foot lawn for his kids and dog, using a mix of California Buffalo Grass and native *Carex praegracilis* that only needs to be watered once a week. While he uses high-efficiency rotating sprinkler nozzles for the small lawn, all other areas are irrigated with an in-line drip system. — *Olivenhain Municipal Water District news release*



## Seven local photographers honored for their images of Elfin Forest Recreational Reserve

: 7/1/2023

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Best in Show: "Dewdrops" by Francis Bova

(Francis Bova)

At its June 21 meeting, Olivenhain Municipal Water District's Board of Directors recognized seven photographers for their winning images in the 16th annual Elfin Forest Recreational Reserve photo contest.

The contest offers amateur photographers an opportunity to connect viewers with wildlife and the outdoors. Submissions support EFRR efforts to protect wildlife and natural resources.

"Our board is proud of Elfin Forest Recreational Reserve, and this contest helps promote the recreational opportunities it offers and showcases the importance of protecting open space," said OMWD Board Director Marco San Antonio in a news release. "Close to a hundred entries captured the natural beauty preserved and protected at EFRR."

Winners were chosen for five categories—Scenic View, Water Scenery, Plants, Animals, and Youth (under 15 years of age). EFRR Facebook followers also selected a People's Choice award winner by voting for their favorite of 11 entries posted online. This year's winners are:

—"Dewdrops" by Francis Bova - Best in Show

—"Me-xal Overlook" by Jeff Shearer - Scenic View

—"Reflection?" by Sabine Kurz-Sherman - Water Scenery

—"Color Bloom" by Jaena Reyes - Plants

—"Night Heron" by Kay Wood - Animals

—"Pond" by Lauren Berg - Youth

—"Itsy Bitsy Momma" by Francis Bova - People's Choice

Prizes included tickets donated by San Diego Zoo, a canvas print donated by PC Photo & Imaging, outdoor equipment donated by REI, and a \$100 cash prize donated by Escondido Creek Conservancy.

EFRR visitors can view winning photographs through the end of the year at the Interpretive Center Honoring Susan J. Varty, located in EFRR's staging area. The interpretive center is open daily from 9 a.m. to 3 p.m., subject to docent availability. Please call OMWD park rangers at 760-632-4212 for a current schedule.

Through a partnership between OMWD, US Bureau of Land Management, and San Diego County Water Authority, EFRR first opened in 1992. It is open daily from 8 a.m. to approximately 30 minutes before sunset, and located at 8833 Harmony Grove Road near Escondido. It offers approximately 11 miles of hiking, mountain biking, and equestrian trails, as well as picnic areas, scenic mountain viewing points, and shady walking paths. Admission and parking are free. More information is available at [www.olivenhain.com/efrr](http://www.olivenhain.com/efrr).

— *Olivenhain Municipal Water District news release*