

**AGENDA FOR THE REGULAR MEETING OF THE  
BOARD OF DIRECTORS OF THE  
TEMESCAL VALLEY WATER DISTRICT  
JUNE 23, 2020, 8:30 A.M. AT  
THE DISTRICT'S ADMINISTRATIVE OFFICE  
22646 TEMESCAL CANYON ROAD,  
TEMESCAL VALLEY, CALIFORNIA 92883**

**THIS MEETING WILL BE HELD VIA TELECONFERENCE ONLY AS  
PERMITTED BY GOVERNOR'S EXECUTIVE ORDER N-29-20.**

The following is a summary of the rules of order governing meetings of the Temescal Valley Water District Board of Directors:

**AGENDA ITEMS**

In case of an emergency, items may be added to the Agenda by a majority vote of the Board of Directors. An emergency is defined as a work stoppage; a crippling disaster; or other activity, which severely imperils public health, safety or both. Also, items, which arise after the posting of Agenda, may be added by a two-thirds vote of the Board of Directors.

**PUBLIC COMMENT**

Persons wishing to address a matter not on the Agenda may be heard at this time; however, no action will be taken until placed on a future agenda in accordance with Board policy.

**NOTICE TO PUBLIC**

All matters listed under the Consent Calendar will be voted upon by one motion. There will be no separate discussion of these items, unless a Board Member or member of the public requests that a particular item(s) be removed from the Consent Calendar, in which case, they will be considered separately under New Business.

**IF ANYONE WISHES TO SPEAK WITH THE BOARD  
ABOUT ANY CONSENT CALENDAR MATTER(S),  
PLEASE STATE YOUR NAME, ADDRESS,  
AND APPROPRIATE ITEM NUMBER(S).**

**AFFIDAVIT OF POSTING**

I, Allison Harnden, Office Manager of the Temescal Valley Water District, hereby certify that I caused the posting of the Agenda at the District office at 22646 Temescal Canyon Road, Temescal Valley, California 92883 before June 20, 2020.

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Allison Harnden, Office Manager

**AGENDA FOR REGULAR MEETING**  
**June 23, 2020**

**Page No.**

1. **Roll Call and Call to Order.**
2. **Presentations and Acknowledgments.**
3. **Public Comment.** If you would like to become an Attendee of the online Zoom Meeting click this link [https://dudek.zoom.us/webinar/register/WN\\_K7\\_Ccie7SUCtDWusOpuDXw](https://dudek.zoom.us/webinar/register/WN_K7_Ccie7SUCtDWusOpuDXw). To be called on for Public Comment please raise your hand. Questions can be submitted through the Q&A option.

**BOARD ITEMS:**

4. **Minutes of the May 26, 2020 Regular Meeting.** **6-8**  
**RECOMMENDATION:** Approve Minutes as written.
5. **Payment Authorization Report.** **9-12**  
**RECOMMENDATION:** Approve Report and authorize payment of the May 26-June 23, 2020 invoices.
6. **Revenue & Expenditure Reports. (Unaudited).** **13-29**
  - a. Revenue & Expenditure Reports.  
**RECOMMENDATION:** Note and file.
7. **Public Hearing on FY 2020/21 Budgets.** **30-66**  
**RECOMMENDATION:**
  - a. Open Public Hearing.
  - b. Public Comment.
  - c. Discussion on FY 2020/21 Budgets.
  - d. Close Public Hearing.
  - e. Resolution No. R-20-01 Adopting FY 2020/21 Budgets.  
**RECOMMENDATION:** Adopt Resolution No. R-20-01.
  - f. Close Public Hearing.

	<u>Page No.</u>
<b>8. Trilogy Development.</b>	
a. Homeowners Association update.	(-)
b. Golf Course update.	(-)
<b>9. Sycamore Creek Development.</b>	
a. Project Update.	(-)
b. 1738 homes to be built. 1727 houses occupied to date. 99% complete.	
<b>10. Retreat Development.</b>	(-)
a. Project Update.	
<b>11. Terramor Development (Forestar Toscana).</b>	
a. Project Update.	(-)
b. 1443 homes to be built. 497 houses occupied to date. 34% complete.	
<b>12. Harmony Grove (Griffin Homes).</b>	(-)
a. Project Update.	
b. 50 homes to be built. 24 houses released to date.	
<b>13. Water Utilization Reports.</b>	<b>67-79</b>
<b>RECOMMENDATION:</b> Note and file.	
<b>14. Sustainable Groundwater Management Act.</b>	(-)
a. Project Update.	
<b>15. Committee Reports.</b>	
a. Finance/Legislation (Director Rodriguez).	(-)
b. Engineering/Operations (Director Myers).	(-)
c. Public Relations (Allison Harnden).	(-)

	<u>Page No.</u>
<b>16. General Manager's Report.</b>	
a. General Manager's Report.	80
b. Pacific Hydrotech Corporation Payment Request #7.	81-97
<b>RECOMMENDATION:</b> Authorize the payment of \$1,044,795.75 to Pacific Hydrotech as well as a retention payment of \$54,989.25 to be deposited into an Escrow Account for a total of \$1,099,785.00.	
<b>17. Operations Report.</b>	98-100
a. Water and Sewer Operations.	
<b>18. District Engineer's Report.</b>	101-102
a. Status of Projects.	
<b>19. District Counsel's Report.</b>	(-)
<b>20. Seminars/Workshops.</b>	(-)
<b>21. Consideration of Correspondence.</b>	103
An informational package containing copies of all pertinent correspondence for the Month of May will be distributed to each Director along with the Agenda.	
<b>22. Adjournment.</b>	(-)

**MINUTES OF THE  
REGULAR MEETING OF THE  
TEMESCAL VALLEY WATER DISTRICT**

**May 26, 2020**

**PRESENT**

C. Colladay  
P. Rodriguez  
D. Harich  
J. Butler  
F. Myers

**ABSENT**

**GUESTS**

**STAFF**

J. Pape  
A. Harnden  
M. McCullough  
J. Scheidel  
P. Bishop  
D. Saunders

**1. Roll Call and Call to Order.**

The regular meeting of the Temescal Valley Water District was called to order by President Colladay at 8:30 a.m.

**2. Presentations and Acknowledgments.**

**3. Public Comment.**

**BOARD ITEMS:**

**4. Minutes of the April 28, 2020 Regular Meeting.**

**ACTION:** Director Rodriguez moved to approve the minutes as written. Director Butler seconded. Motion carried unanimously.

**5. Payment Authorization Report.**

**ACTION:** Director Rodriguez moved to approve the April 28-May 26, 2020 invoices. Director Butler seconded. Motion carried unanimously.

**6. Revenue & Expenditure Reports. (Unaudited).**

a. Revenue & Expenditure Reports.

**ACTION:** Note and file.

**7. FY 20/21 Budget – For Discussion Only.**

**8. Trilogy Development.**

a. Homeowners Association update.

- b. Golf Course update.
- 9. Sycamore Creek Development.**
- a. Project Update.
  - b. 1738 homes to be built. 1727 houses occupied to date. 99% complete.
- 10. Retreat Development.**
- a. Project Update.
- 11. Terramor Development (Forestar Toscana).**
- a. Project Update.
  - b. 1443 homes to be built. 475 houses occupied to date. 33% complete.
- 12. Harmony Grove (Griffin Homes).**
- a. Project Update.
  - b. 50 estimated homes to be built. 24 houses released to date.
- 13. Water Utilization Reports.**  
**ACTION:** Note and file.
- 14. Sustainable Groundwater Management Act.**
- a. Project Update.
- 15. Committee Reports.**
- a. Finance/Legislative (Director Rodriguez).
    - 1. Budget Meeting May 14, 2020.
- Director Harich joined the meeting at this time.
- b. Engineering/Operations (Director Myers).
  - c. Public Relations (Allison Harnden).
- 16. General Manager's Report.**
- a. General Manager's Report – The General Manager reported on current projects.

b. Joint Defense and Common Interest Agreement with City of Corona, Elsinore Valley Municipal Water District and Temescal Valley Water District.

**ACTION:** Director Rodriguez moved to authorize the General Manager to execute the Agreement. Director Myers seconded. Motion carried unanimously.

c. Pacific Hydrotech Corporation Payment Request #6.

**ACTION:** Director Colladay moved to authorize the payment of \$934,956.75 to Pacific Hydrotech as well as a retention payment of \$49,208.25 to be deposited into an Escrow Account for a total of \$984,165.00. Director Butler seconded. Motion carried unanimously.

**17. Operations Report.**

a. Water and sewer operations.

**18. District Engineer’s Report.**

a. Status of Projects.

**19. District Counsel’s Report.**

**20. Seminars/Workshops.**

**21. Consideration of Correspondence.**

An informational package containing copies of all pertinent correspondence for the Month of April will be distributed to each Director along with the Agenda.

**22. Adjournment.**

There being no further business, the May 26, 2020 Regular Meeting of the Temescal Valley Water District Board of Directors was adjourned at 10:12 a.m. by President Colladay.

**ATTEST:**

**APPROVED:**

\_\_\_\_\_  
Paul Rodriguez, Secretary

\_\_\_\_\_  
Charles Colladay, President

Date: \_\_\_\_\_

Date: \_\_\_\_\_



TEMESCAL VALLEY WATER DISTRICT  
PAYMENT AUTHORIZATION  
JUNE 23, 2020

Check #	Date	Payee ID	Payee	Amount
24083	5/29/20	AD	PAYROLL	-
24084	5/29/20	BE	PAYROLL	-
24085	5/29/20	CG	PAYROLL	-
24086	5/29/20	CL	PAYROLL	-
24087	5/29/20	CO	CHARLES W. COLLADAY	246.37
24088	5/29/20	DB	PAYROLL	-
24089	5/29/20	DH	DAVID HARICH	243.87
24090	5/29/20	FM	FRED H. MYERS	243.87
24091	5/29/20	JB	JOHN B. BUTLER	246.37
24092	5/29/20	JH	PAYROLL	-
24093	5/29/20	KN	PAYROLL	-
24094	5/29/20	LK	PAYROLL	-
24095	5/29/20	MM	PAYROLL	-
24096	5/29/20	PB	PAYROLL	-
24097	5/29/20	RO	PAUL RODRIGUEZ	246.37
24098	5/30/20	KN	PAYROLL	-
24099	5/30/20		EDUARDO LOPEZ-TRK MAINT	100.00
24100	5/30/20	DB	PAYROLL	-
24101	5/30/20	JH	PAYROLL	-
24102	5/30/20	MM	PETTY CASH DRAWER-REIMB	100.00
24103	6/1/20	SO03	SOUTHERN CALIF EDISON CO.	48,164.12
24104	6/1/20	TWC	SPECTRUM BUSINESS	1,023.09
24105	6/1/20	AD	PAYROLL	-
24106	6/12/20	AD	PAYROLL	-
24107	6/12/20	BE	PAYROLL	-
24108	6/12/20	CG	PAYROLL	-
24109	6/12/20	CL	PAYROLL	-
24110	6/12/20	DB	PAYROLL	-
24111	6/12/20	JH	PAYROLL	-
24112	6/12/20	KN	PAYROLL	-
24113	6/12/20	LK	PAYROLL	-
24114	6/12/20	MM	PAYROLL	-
24115	6/12/20	PB	PAYROLL	-

TEMESCAL VALLEY WATER DISTRICT  
 PAYMENT AUTHORIZATION  
 JUNE 23, 2020

Check #	Date	Payee ID	Payee	Amount	
24116	6/12/20	FI01	FIDELITY INVESTMENTS	700.00	
24117	6/2/20	FI01	FIDELITY INVESTMENTS	911.39	
24118	6/2/20	FI01	FIDELITY INVESTMENTS	747.00	
24119	6/2/20	FI01	FIDELITY INVESTMENTS	700.00	
24120	6/15/20	DB	PAYROLL	-	
24121	6/15/20	JH	PAYROLL	-	
24122	6/15/20	LK	PAYROLL	-	
24123	6/15/20	ACSI	ALEXANDER'S CONTRACT SERVICES, INC.	5,627.80	
24124	6/15/20	ATT01	AT&T	453.97	
24125	6/15/20	ATTM	AT & T MOBILITY	725.76	
24126	6/15/20	BA01	BABCOCK LABORATORIES, INC	13,617.14	TESTING ANNUAL/QTR-3 MON
24127	6/15/20	BEP	BARRETT ENGINEERED PUMPS	2,298.63	
24128	6/15/20	BGM	BIG GIANT MEDIA	54.90	
24129	6/15/20	CAM	CHANDLER INVESTMENT MANAGEMENT	1,000.00	
24130	6/15/20	CEDI	CONSOLIDATED ELECTRICAL DISTRIBUTORS IN	203.55	
24131	6/15/20	CESI	CENTERE ELECTRIC SERVICES INC.	3,705.00	BAR SCREEN REPAIR
24132	6/15/20	CM01	CORE & MAIN	12,241.50	HYDRANTS AND PARTS
24133	6/15/20	DHWS	D&H WATER SYSTEMS	64.26	
24134	6/15/20	DMV	DMV	174.00	
24135	6/15/20	DPCI	DON PETERSON CONTRACTING, INC.	7,403.00	BAR SCREEN REPAIR
24136	6/15/20	DSC	DATABASE SYSTEMS CORP.	1,579.40	
24137	6/15/20	DU01	DUDEK & ASSOCIATES-CONTRACT SERVICES	28,622.00	
24138	6/15/20	DU02	DUDEK & ASSOCIATES-SPECIAL PROJECTS	889.50	
24139	6/15/20	DU03	DUDEK & ASSOCIATES-PASS THRU	555.00	
24140	6/15/20	DU04	DUDEK & ASSOCIATES-ENGINEERING	3,261.50	
24141	6/15/20	DWEI	DEXTER WILSON ENGINEERING INC	16,223.28	CAP- PLT EXP SBR CONT- 2 MONTHS
24142	6/15/20	GEI	GEI CONSULTANTS	6,536.00	SARD-MERCURY MONTOR
24143	6/15/20	GI	GORM INC.	325.29	
24144	6/15/20	GMDM	GUTIRREZ MAINTENANCE/ DANIEL GUTIERREZ	430.00	
24145	6/15/20	GR08	GRISWOLD INDUSTRIES (CAL-VAL)	1,763.99	
24146	6/15/20	HO01	HOME DEPOT CREDIT SERVICES	1,310.61	
24147	6/15/20	HWS	HYDROCURRENT WELL SERVICES LLC	1,200.88	
24148	6/15/20	JW01	JWC ENVIRONMENTAL LLC	802.45	

TEMESCAL VALLEY WATER DISTRICT  
 PAYMENT AUTHORIZATION  
 JUNE 23, 2020

Check #	Date	Payee ID	Payee	Amount	
24149	6/15/20	MH01	MCFADDEN-DALE HARDWARE CO.	648.12	
24150	6/15/20	MITI	MORR-IS TESTED IN	900.00	
24151	6/15/20	NC	NORTHSTAR CHEMICAL	11,055.73	ALUM/SODIUM
24152	6/15/20	PLM01	PARRA LANDSCAPE MAINTENANCE	2,569.30	
24153	6/15/20	PPE	PRIVATE PEST EXTERMINATORS	572.00	
24154	6/15/20	RTI	RICHARDSON TECHNOLOGIES INC.	1,633.00	
24155	6/15/20	SAQMDHB	SOUTH COAST AIR QUALITY MGT DIST	1,245.57	
24156	6/15/20	SAW	SUPERIOR ARC WELDING	1,489.88	
24157	6/15/20	SEMA	SEMA INC.	981.32	
24158	6/15/20	ST01	STAPLES CREDIT PLAN	1,453.51	
24159	6/15/20	ST02	STATE COMPENSATION INSUR.FUND	1,983.08	
24160	6/15/20	UBB	USA BLUEBOOK	5,643.19	SAFETY EQUIP
24161	6/15/20	UN01	UNDERGROUND SERVICE ALERT	112.87	
24162	6/15/20	UPG	UNITED POWER GENERATION	2,083.71	
24163	6/15/20	VA01	VALLEY CITIES/GONZALES FENCE	350.00	
24164	6/15/20	WA01	WASTE MANAGEMENT - INLAND EMPIRE	687.51	
24165	6/15/20	WE01	WESTERN MUNICIPAL WATER DISTR.	320,431.47	
24166	6/15/20	WSLLC	WATERSOLVE,LLC	1,302.00	
24167	6/15/20	XP	XYLEM	8,989.83	2 STD BY PUMPS AND PARTS
24168	6/16/20	CORR	COUNTY OF RIVERSIDE	21,093.00	ELECTION
24169	6/16/20	USB01	US BANK GOVERNMENT SERVICES	1,818.81	
24170	6/16/20		NICHOLAS OGLESBY	92.77	
24171	6/16/20		ALLISON CONWAY	165.52	
24172	6/16/20		IL SANG CHANG	144.85	
24173	6/16/20		THAILANI INOJALES	93.39	
24174	6/16/20		REX KERN	150.73	
24175	6/16/20		JACKIE DRUMM	132.03	
24176	6/16/20		LINDA ZANDSTRA	183.04	
24177	6/16/20		KAREN FRANKLIN	173.98	
24178	6/16/20		EDUARDO LOPEZ	80.00	
24179	6/16/20	CE01	CENTRAL COMMUNICATIONS	167.47	
24180	6/16/20	IW	ICONIX WATERWORKS INC	81.87	
24181	6/16/20	kae	K & A ENGINEERING	1,590.00	

TEMESCAL VALLEY WATER DISTRICT  
PAYMENT AUTHORIZATION  
JUNE 23, 2020

Check #	Date	Payee ID	Payee	Amount	
24182	6/16/20	MCCO	MUROW CM	24,723.75	CAP IMP-PLT PJT CM
24183	6/16/20	MU01	WILLDAN FINANCIAL SERVICES	5,900.00	CFD BOND DISCLOSURES
24184	6/16/20	TWC	SPECTRUM BUSINESS	1,284.93	
24185	6/16/20	XP	XYLEM	14,114.41	LOST CK RE-ISSUE
Total				\$ 600,864.50	

THESE INVOICES ARE SUBMITTED TO THE  
TEMESCAL VALLEY BOARD OF DIRECTORS FOR  
APPROVAL AND AUTHORIZATION FOR PAYMENT

*Mel McCullough - Finance Manager*

Mel McCullough - Finance Manager

6/23/20

Date

**TEMESCAL VALLEY WATER DISTRICT**  
**INTERNAL BALANCE SHEET**  
**31-May-20**

ASSETS

Fixed Assets (net of accumulated depreciation)			
Land		\$	902,118
Treatment Plants			13,149,945
Capacity Rights			13,503,639
Water System, Reservoir & Wells			8,426,494
Water & Sewer Mains			31,396,871
General Equipment Sewer/Water/ Furniture			614,977
Buildings & Entrance Improvements			324,653
			\$ 68,318,697
Current Assets			
Cash - Wastewater	10,843,389		
Cash - Water	13,718,502		
Cash - ID #1	558,611		
Cash - ID #2	260,014		
Cash - Nonpotable	3,552,995		
Cash - Deposits	1,278,710		30,212,221
Accounts Receivable-Services/Developers			1,364,885
Assessment Receivable			188,071
Interest Receivable			69,119
Prepaid Expenses			41,748
Inventory			35,069
			31,911,113
Other Assets			
Work-in-Process			551,789
Deferred Outflows - Pension		\$	166,032
<b>TOTAL ASSETS</b>		<b>\$</b>	<b>100,947,632</b>

LIABILITIES

Current Liabilities			
Accounts Payable		\$	1,318,841
Security Deposits			248,480
Payroll & Payroll Taxes Payable			59,098
Capacity & Meter Deposits			504,338
Fiduciary Payments Payable			73,835
Developer Deposits			344,042
Other Deposits			108,015
			2,656,648
Long-term Liabilities			
TVRP Note			1,141,357
Deferred Inflows - Pension			76,754
<b>TOTAL LIABILITIES</b>		<b>\$</b>	<b>3,874,759</b>

FUND EQUITY

Fund Balances			
Waste Water Fund Balance			33,843,436
Water Fund Balance			48,709,474
ID #1 Fund Balance			623,579
ID #2 Fund Balance			533,469
Recycled Water Fund Balance			13,362,915
<b>TOTAL FUND EQUITY</b>		<b>\$</b>	<b>97,072,873</b>
<b>TOTAL LIABILITIES &amp; FUND EQUITY</b>		<b>\$</b>	<b>100,947,632</b>

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

	MAY			YEAR TO DATE			BUDGET 2019-2020	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b><u>WASTEWATER DEPARTMENT</u></b>								
OPERATING REVENUE:								
MONTHLY SEWER SERVICE CHARGE	186,989	206,250	(19,261)	2,234,294	2,268,750	(34,456)	\$ 2,475,000	(240,706)
MONTHLY SERVICE CHARGE-ID #1	10,766	11,417	(651)	118,431	125,587	(7,156)	137,000	(18,569)
MONTHLY SERVICE CHARGE-ID #2	12,178	12,917	(739)	133,963	142,083	(8,120)	155,000	(21,037)
MONTHLY SEWER SERVICE CHG-R COM	10,504	9,583	921	104,493	105,413	(920)	115,000	(10,507)
MISC UTILITY CHARGES/ REVENUE	758	417	341	5,228	4,587	641	5,000	228
STANDBY CHARGES	-	-	-	62,628	55,000	7,628	110,000	(47,372)
CFD REIMBURSEMENTS	-	-	-	10,000	10,000	-	20,000	(10,000)
INSPECTION CHARGES	8,683	4,167	4,516	40,478	45,800	(5,322)	50,000	(9,522)
TOTAL WASTEWATER REVENUE	229,878	244,751	(14,873)	2,709,515	2,757,220	(47,705)	3,067,000	(357,485)
OPERATING EXPENSES:								
PLANT WAGES EXPENSE	15,182	15,388	(206)	122,660	129,104	(6,444)	150,700	(28,040)
INSPECTION WAGES EXPENSE	3,948	3,923	25	31,957	31,381	576	34,000	(2,043)
PAYROLL TAXES EXP	355	231	124	2,824		2,824	3,000	(176)
EMPLOYEE BENEFITS-INS	613	1,521	(908)	9,215	16,731	(7,516)	18,250	(9,035)
EMPLOYEE BENEFITS-RETIREMENT	1,028	1,683	(655)	12,924	18,513	(5,589)	20,200	(7,276)
OVERTIME EXP	12,839	833	12,006	39,580	9,163	30,417	10,000	29,580
MILEAGE EXP	152	100	52	1,069	1,100	(31)	1,200	(131)
VACATION EXP	624	742	(118)	6,865	8,162	(1,297)	8,900	(2,035)
ELECTRICIAN LABOR COSTS	-	417	(417)	-	4,587	(4,587)	5,000	(5,000)
SCADA SYSTEM ADMIN/MAINT	-	833	(833)	9,625	9,163	462	10,000	(375)
LABORATORY TESTING COSTS	2,175	1,833	342	28,394	20,163	8,231	22,000	6,394
SLUDGE DISPOSAL/PUMPING COSTS	402	4,167	(3,765)	61,475	45,837	15,638	50,000	11,475
SLUDGE DISPOSAL BAG EXP	16,800	-	16,800	34,902	25,000	9,902	25,000	9,902
SLUDGE CHEMICAL EXP	11,799	2,917	8,882	47,197	32,087	15,110	35,000	12,197
EQUIPMENT RENTAL COSTS	-	167	(167)	2,743	1,837	906	2,000	743
EQUIPMENT REPAIRS & MAINT.	9,260	16,667	(7,407)	173,228	183,337	(10,109)	200,000	(26,772)
SEWER LINE REPAIRS	-	833	(833)	-	9,163	(9,163)	10,000	(10,000)
SEWER CLEANING AND VIDEO EXP	-	833	(833)	43,870	9,163	34,707	10,000	33,870
SECURITY AND ALARM EXP	-	250	(250)	1,862	2,750	(888)	3,000	(1,138)
PROPERTY MAINTENANCE	2,329	3,333	(1,004)	43,705	36,700	7,005	40,000	3,705
ENGINEERING/ADMIN. STUDIES	-	1,667	(1,667)	15,715	18,300	(2,585)	20,000	(4,285)
ENERGY COSTS	19,098	17,500	1,598	197,532	192,500	5,032	210,000	(12,468)
CONSUMABLE SUPPLIES & CLEANING	565	833	(268)	7,195	9,163	(1,968)	10,000	(2,805)
CHEMICALS, LUBRICANTS & FUELS	11,758	8,333	3,425	151,853	91,663	60,190	100,000	51,853
SMALL EQUIPMENT & TOOLS COST	430	1,250	(820)	36,770	13,750	23,020	15,000	21,770
PERMITS, FEES & TAXES (WTR BRD FEE)	567	2,083	(1,516)	19,224	22,900	(3,676)	25,000	(5,776)
SAWPA BASIN MONITORING EXP	-	-	-	23,778	25,000	(1,222)	25,000	(1,222)
MAP UPDATING/GIS EXP	-	167	(167)	-	1,800	(1,800)	2,000	(2,000)
MISC. OPERATING EXP	-	83	(83)	-	900	(900)	1,000	(1,000)
BAD DEBT EXPENSES	-	-	-	-	-	-	1,500	(1,500)
CONTINGENCIES	-	3,423	(3,423)	-	37,650	(37,650)	41,075	(41,075)
TOTAL OPERATING EXPENSES	109,924	92,010	17,914	1,126,162	1,007,567	118,595	1,108,825	17,337

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

	MAY			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	11,448	8,500	2,948	94,984	93,500	1,484	102,000	(7,016)
GENERAL ENGINEERING EXP	-	1,250	(1,250)	9,244	13,750	(4,506)	15,000	(5,756)
EMPLOYEE BENEFITS-INS	1,617	1,642	(25)	14,791	18,100	(3,309)	19,700	(4,909)
EMPLOYEE BENEFITS-RETIREMENT	2,008	2,042	(34)	20,409	22,460	(2,051)	24,500	(4,091)
ANNUAL ASSESSMENT EXP	-	-	-	2,843	2,500	343	5,000	(2,157)
PLAN CHECK & INSPECTION EXP	-	833	(833)	-	9,160	(9,160)	10,000	(10,000)
WAGES EXPENSE	17,775	20,190	(2,415)	147,199	161,540	(14,341)	175,000	(27,801)
VACATION EXP	797	1,027	(230)	11,136	11,290	(154)	12,320	(1,184)
PAYROLL TAX EXPENSES	293	300	(7)	2,696	2,535	161	2,800	(104)
OVERTIME EXP	311	83	228	683	913	(230)	1,000	(317)
MILEAGE EXP ADMIN	-	42	(42)	117	462	(345)	500	(383)
CONTRACT STAFFING EXP	-	167	(167)	-	-	-	2,000	(2,000)
LEGAL EXPENSES	-	833	(833)	6,282	9,160	(2,878)	10,000	(3,718)
AUDIT EXPENSES	-	-	-	5,400	5,700	(300)	5,700	(300)
BOARD COMMITTEE MEETING EXP.	1,022	1,000	22	7,188	11,000	(3,812)	12,000	(4,812)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	4,000	(4,000)
COMPUTER SYSTEM ADMIN	1,465	1,500	(35)	24,093	16,500	7,593	18,000	6,093
BANK CHARGES EXP	2,010	2,083	(73)	24,359	22,900	1,459	25,000	(641)
MISCELLANEOUS & EDUCATION EXP	-	250	(250)	1,393	2,750	(1,357)	3,000	(1,607)
TELEPHONE, FAX & CELL EXP	1,040	1,000	40	13,197	11,000	2,197	12,000	1,197
OFFICE SUPPLIES EXP	1,639	1,250	389	13,718	13,750	(32)	15,000	(1,282)
PRINTING EXPENSES	-	417	(417)	7,374	4,587	2,787	5,000	2,374
POSTAGE & DELIVERY EXPENSE	987	1,167	(180)	12,258	12,830	(572)	14,000	(1,742)
PUBLICATIONS, NOTICES & DUES	116	63	53	1,456	693	763	750	706
EQUIPMENT LEASE EXPENSES	-	583	(583)	6,376	6,413	(37)	7,000	(624)
INSURANCE EXPENSES	2,493	2,333	160	26,094	25,660	434	28,000	(1,906)
COMMUNITY OUTREACH EXP	-	667	(667)	3,160	7,340	(4,180)	8,000	(4,840)
INVESTMENT EXP	-	400	(400)	3,233	4,800	(1,567)	4,800	(1,567)
TOTAL ADMINISTRATIVE EXPENSES	<b>45,021</b>	<b>49,622</b>	<b>(4,601)</b>	<b>459,683</b>	<b>491,293</b>	<b>(31,610)</b>	<b>542,070</b>	<b>(82,387)</b>
<b>TOTAL WASTEWATER EXPENSES</b>	<b>154,945</b>	<b>141,632</b>	<b>13,313</b>	<b>1,585,845</b>	<b>1,498,860</b>	<b>86,985</b>	<b>1,650,895</b>	<b>(65,050)</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>74,933</b>	<b>103,119</b>	<b>(28,186)</b>	<b>1,123,670</b>	<b>1,258,360</b>	<b>(134,690)</b>	<b>1,416,105</b>	<b>(292,435)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	9,500	6,667	2,833	135,243	73,300	61,943	80,000	55,243
PROPERTY TAX INCOME	1,584	5,800	(4,216)	70,170	64,200	5,970	70,000	170
TOTAL NON-OPER SOURCE OF FUNDS	<b>11,084</b>	<b>12,467</b>	<b>(1,383)</b>	<b>205,413</b>	<b>137,500</b>	<b>67,913</b>	<b>150,000</b>	<b>55,413</b>
<b>TOTAL SEWER REVENUE/EXPENSE</b>	<b>86,017</b>	<b>115,586</b>	<b>(29,569)</b>	<b>1,329,083</b>	<b>1,395,860</b>	<b>(66,777)</b>	<b>1,566,105</b>	<b>(237,022)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				490,674				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				838,409				
CONNECTION FEES				136,743				
				-				

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

**WASTE WATER CAPITAL FUND:**

ENDING FUNDS AVAILABLE 2018-2019	<b>12,413,541</b>
TRANSFER FOR CAPITAL FUND REPLACEMENT	<b>490,674</b>
TRANSFER FOR CAPITAL IMPROVEMENTS	<b>975,152</b>
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	<b><u>(2,928,735)</u></b>
TOTAL FUNDS AVAILABLE	<b><u>10,950,632</u></b>



**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

	MAY			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
<b><u>WATER DEPARTMENT</u></b>								
<b>OPERATING REVENUE:</b>								
WATER SERVICE CHARGE	138,913	138,333	580	1,516,924	1,521,660	(4,736)	1,660,000	(143,076)
WATER USAGE CHARGES	496,629	361,000	135,629	3,737,806	3,971,000	(233,194)	4,340,000	(602,194)
WATER PUMPING CHARGE	20,121	13,750	6,371	147,513	151,250	(3,737)	165,000	(17,487)
FIRE PROTECTION CHARGES	3,372	2,917	455	34,291	32,100	2,191	35,000	(709)
MISC. UTILITY CHARGES	1,277	2,917	(1,640)	31,322	32,100	(778)	35,000	(3,678)
SERVICE METER INCOME	10,600	8,333	2,267	95,900	91,700	4,200	100,000	(4,100)
CELLULAR SITE LEASE	3,045	4,500	(1,455)	30,366	49,500	(19,134)	54,000	(23,634)
MWD READINESS TO SERVE CHARGE	9,905	12,500	(2,595)	111,443	137,500	(26,057)	150,000	(38,557)
STANDBY CHARGES	-	-	-	26,841	20,500	6,341	41,000	(14,159)
CFD REIMBURSEMENTS	-	-	-	10,000	10,000	-	20,000	(10,000)
INSPECTION CHARGES	7,598	3,750	3,848	35,418	41,250	(5,832)	45,000	(9,582)
TOTAL WATER REVENUE	<b>691,460</b>	<b>548,000</b>	<b>143,460</b>	<b>5,777,824</b>	<b>6,058,560</b>	<b>(280,736)</b>	<b>6,645,000</b>	<b>(867,176)</b>
<b>OPERATING EXPENSES:</b>								
WAGES EXPENSE	13,284	13,200	84	107,328	105,600	1,728	132,000	(24,672)
INSPECTION WAGES EXPENSE	3,454	3,440	14	27,963	27,500	463	29,800	(1,837)
PAYROLL TAXES EXP	311	200	111	2,474	2,400	74	2,600	(126)
EMPLOYEE BENEFITS-INS	930	933	(3)	11,969	10,300	1,669	16,000	(4,031)
EMPLOYEE BENEFITS-RETIREMENT	1,360	1,375	(15)	14,715	15,125	(410)	17,700	(2,985)
OPERATION-MILEAGE EXP	133	63	70	935	690	245	750	185
OVERTIME EXPENSE/ ON CALL	-	833	(833)	23,399	9,200	14,199	10,000	13,399
VACATION EXP	780	650	130	8,582	7,150	1,432	7,800	782
CONTRACT STAFFING-METER READS	5,628	5,417	211	60,405	59,600	805	65,000	(4,595)
SCADA SYSTEM ADMIN/MAINT	-	833	(833)	4,335	9,200	(4,865)	10,000	(5,665)
LABORATORY TESTING COSTS	1,792	1,333	459	14,830	14,700	130	16,000	(1,170)
COMPLIANCE TESTING (ISDE/CROSS)	-	250	(250)	2,550	2,750	(200)	3,000	(450)
LEAK DETECTION EXPENSE	-	667	(667)	6,095	7,400	(1,305)	8,000	(1,905)
EPA WATER TESTING EXP	-	708	(708)	-	7,800	(7,800)	8,500	(8,500)
EQUIPMENT RENTAL COSTS	-	167	(167)	-	1,830	(1,830)	2,000	(2,000)
EQUIPMENT REPAIRS & MAINT.	2,387	6,667	(4,280)	61,428	73,400	(11,972)	80,000	(18,572)
WATER LINE REPAIRS	-	3,333	(3,333)	-	36,700	(36,700)	40,000	(40,000)
ALARM MONITORING COSTS	-	250	(250)	-	2,750	(2,750)	3,000	(3,000)
PROPERTY MAINTENANCE	1,371	417	954	3,561	4,600	(1,039)	5,000	(1,439)
ENGINEERING/ADMIN. STUDIES	-	667	(667)	5,370	7,400	(2,030)	8,000	(2,630)
ENERGY COSTS	10,331	14,167	(3,836)	109,900	155,830	(45,930)	170,000	(60,100)
CONSUMABLE SUPPLIES & CLEANING	-	167	(167)	2,814	1,840	974	2,000	814
CHEMICALS, LUBRICANTS & FUELS	615	417	198	6,678	4,600	2,078	5,000	1,678
SMALL EQUIPMENT & TOOLS COST	462	83	379	3,879	900	2,979	1,000	2,879
PERMITS, FEES & TAXES	496	2,833	(2,337)	35,073	31,200	3,873	34,000	1,073
MAP UPDATING/GIS EXP	-	417	(417)	-	4,600	(4,600)	5,000	(5,000)
SERVICE METERS & PARTS COSTS	4,860	8,333	(3,473)	87,983	91,700	(3,717)	100,000	(12,017)
WHOLESALE WATER PURCHASES	320,431	288,300	32,131	3,222,423	3,171,300	51,123	3,459,600	(237,177)
WATER-MWD CAPACITY CHARGE	3,666	4,167	(501)	41,553	45,840	(4,287)	50,000	(8,447)
WATER-READINESS TO SERVE/REFUSAL CHARGE	10,037	9,583	454	103,774	105,400	(1,626)	115,000	(11,226)
WMWD-MGLMR EXP	-	-	-	116,314	117,000	(686)	117,000	(686)
BAD DEBT EXPENSES	-	-	-	-	-	-	1,500	(1,500)
CONSERVATION REBATE EXP	-	417	(417)	1,090	4,600	(3,510)	5,000	(3,910)
CONTINGENCIES	-	3,792	(3,792)	-	41,700	(41,700)	45,500	(45,500)
TOTAL OPERATING EXPENSES	<b>382,328</b>	<b>374,079</b>	<b>8,249</b>	<b>4,087,420</b>	<b>4,182,605</b>	<b>(95,185)</b>	<b>4,575,750</b>	<b>(488,330)</b>

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

	MAY			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	10,017	7,438	2,579	83,110	81,800	1,310	89,250	(6,140)
GENERAL ENGINEERING EXP	-	1,667	(1,667)	13,977	18,300	(4,323)	20,000	(6,023)
PLAN CHECK & INSPECTION EXP	-	833	(833)	-	9,160	(9,160)	10,000	(10,000)
EMPLOYEE BENEFITS-INS	1,263	1,442	(179)	15,879	15,800	79	17,300	(1,421)
EMPLOYEE BENEFITS-RETIREMENT	2,339	1,792	547	19,511	19,700	(189)	21,500	(1,989)
ANNUAL ASSESSMENT EXP	-	333	(333)	2,843	3,600	(757)	4,000	(1,157)
WAGES EXPENSE	15,553	17,600	(2,047)	129,087	141,200	(12,113)	153,000	(23,913)
VACATION EXP	966	900	66	10,961	9,900	1,061	10,800	161
MILEAGE EXP ADMIN	-	42	(42)	102	460	(358)	500	(398)
OVERTIME EXPENSE	-	83	(83)	325	900	(575)	1,000	(675)
PAYROLL TAX EXPENSES	257	192	65	2,359	2,300	59	2,500	(141)
CONTRACT STAFFING OFFICE	-	-	-	-	-	-	2,000	(2,000)
LEGAL EXPENSES	-	625	(625)	5,497	6,875	(1,378)	7,500	(2,003)
AUDIT EXPENSES	-	-	-	4,725	5,500	(775)	5,500	(775)
BOARD COMMITTEE/ MEETING EXP.	894	875	19	5,767	9,625	(3,858)	10,500	(4,733)
COMPUTER SYSTEM EXP	1,282	1,000	282	14,306	11,000	3,306	12,000	2,306
BANK CHARGES EXP	1,759	1,667	92	21,316	18,400	2,916	20,000	1,316
MISCELLANEOUS & EDUCATION EXP	-	167	(167)	555	1,837	(1,282)	2,000	(1,445)
TELEPHONE EXP	910	833	77	11,084	9,200	1,884	10,000	1,084
OFFICE SUPPLIES EXP	1,324	833	491	10,966	9,200	1,766	10,000	966
PRINTING EXPENSES	-	417	(417)	3,999	4,600	(601)	5,000	(1,001)
POSTAGE & DELIVERY EXPENSE	864	1,000	(136)	10,231	11,000	(769)	12,000	(1,769)
PUBLICATIONS, NOTICES & DUES	-	208	(208)	1,387	2,288	(901)	2,500	(1,113)
EQUIPMENT LEASE EXPENSES	-	500	(500)	5,579	5,500	79	6,000	(421)
INSURANCE EXPENSES	2,144	2,042	102	22,947	22,460	487	24,500	(1,553)
INVESTMENT EXPENSE	-	350	(350)	2,829	3,850	(1,021)	4,200	(1,371)
ELECTION & PUBLIC HEARING EXP	-	292	(292)	-	3,200	(3,200)	3,500	(3,500)
COMMUNITY OUT REACH EXP	-	583	(583)	2,765	6,400	(3,635)	7,000	(4,235)
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>39,572</b>	<b>43,714</b>	<b>(4,142)</b>	<b>402,107</b>	<b>434,055</b>	<b>(31,948)</b>	<b>474,050</b>	<b>(71,943)</b>
<b>TOTAL WATER EXPENSES</b>	<b>421,900</b>	<b>417,793</b>	<b>4,107</b>	<b>4,489,527</b>	<b>4,616,660</b>	<b>(127,133)</b>	<b>5,049,800</b>	<b>(560,273)</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>269,560</b>	<b>130,207</b>	<b>139,353</b>	<b>1,288,297</b>	<b>1,441,900</b>	<b>(153,603)</b>	<b>1,595,200</b>	<b>(306,903)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
OTHER REVENUE REIMB-MANDATE COSTS	-	-	-	-	-	-	-	-
INTEREST INCOME	12,000	8,333	3,667	170,835	91,700	79,135	100,000	70,835
PROPERTY TAX INCOME	780	3,300	(2,520)	37,864	36,300	1,564	40,000	(2,136)
<b>TOTAL NON-OP SOURCE OF FUNDS</b>	<b>12,780</b>	<b>11,633</b>	<b>1,147</b>	<b>208,699</b>	<b>128,000</b>	<b>80,699</b>	<b>140,000</b>	<b>68,699</b>
<b>TOTAL REVENUE/EXPENSE</b>	<b>282,340</b>	<b>141,840</b>	<b>140,500</b>	<b>1,496,996</b>	<b>1,569,900</b>	<b>(72,904)</b>	<b>1,735,200</b>	<b>(238,204)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				521,944				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				975,052				
CONNECTION FEES				244,414				
CAPACITY USAGE INCOME				282,515				
LONG TERM DEBT REDUCTION				282,515				
				-				

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

**WATER CAPITAL FUND:**

ENDING FUNDS AVAILABLE 2018-2019	<b>13,057,975</b>
TRANSFER FOR CAPITAL FUND REPLACEMENT	<b>521,944</b>
TRANSFER FOR CAPITAL IMPROVEMENTS	<b>1,219,466</b>
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	<b><u>(383,429)</u></b>
TOTAL FUNDS AVAILABLE	<b><u>14,415,956</u></b>

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

	MAY			YEAR TO DATE			BUDGET 2019-2020	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b><i>ID#1 DEPARTMENT</i></b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	13,725	13,725	-	150,975	150,975	-	164,700	(13,725)
TOTAL ID #1 REVENUE	13,725	13,725	-	150,975	150,975	-	164,700	(13,725)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	10,766	10,766	-	118,425	118,425	-	133,078	(14,653)
TOTAL OPERATING COSTS	10,766	10,766	-	118,425	118,425	-	133,078	(14,653)
ADMINISTRATIVE EXPENSES:								
ANNUAL ASSESSMENT PROCESSING	-	-	-	2,843	3,000	(157)	3,000	(157)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	2,843	3,000	(157)	3,000	(157)
TOTAL ID#1 EXPENSES	10,766	10,766	-	121,268	121,425	(157)	136,078	(14,810)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>2,959</b>	<b>2,959</b>	<b>-</b>	<b>29,707</b>	<b>29,550</b>	<b>157</b>	<b>28,622</b>	<b>1,085</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	250	250	-	3,560	2,750	810	2,100	1,460
TOTAL NON-OPER SOURCE OF FUNDS	250	250	-	3,560	2,750	810	2,100	1,460
<b>TOTAL REVENUE/EXPENSE</b>	<b>3,209</b>	<b>3,209</b>	<b>-</b>	<b>33,267</b>	<b>32,300</b>	<b>967</b>	<b>30,722</b>	<b>2,545</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				21,897				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				11,370				
				-				
<b><i>ID #1 FUND BALANCE:</i></b>								
ENDING FUNDS AVAILABLE 2018-2019	528,559							
TRANSFER TO CAPITAL FUND-REPLACEMENT	21,897							
TRANSFER FOR CAPITAL IMPROVEMENTS	11,370							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	-							
TOTAL FUNDS AVAILABLE	561,826							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

	MAY			YEAR TO DATE			BUDGET 2019-2020	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b>ID#2 DEPARTMENT</b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	15,525	15,525	-	170,775	170,775	-	191,820	(21,045)
TOTAL ID #2 REVENUE	15,525	15,525	-	170,775	170,775	-	191,820	(21,045)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	12,179	12,179	-	133,963	133,963	-	150,530	(16,567)
TOTAL OPERATING COSTS	12,179	12,179	-	133,963	133,963	-	150,530	(16,567)
ADMINISTRATIVE EXPENSES:								
GENERAL ENGINEERING EXP	-	-	-	-	-	-	2,500	(2,500)
ANNUAL ASSESSMENT PROCESSING	-	-	-	2,842	3,000	(158)	3,000	(158)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	2,842	3,000	(158)	5,500	(2,658)
TOTAL ID#2 EXPENSES	12,179	12,179	-	136,805	136,963	(158)	156,030	(19,225)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>3,346</b>	<b>3,346</b>	<b>-</b>	<b>33,970</b>	<b>33,812</b>	<b>158</b>	<b>35,790</b>	<b>(1,820)</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	500	350	150	7,120	3,500	3,620	4,150	2,970
TOTAL NON-OPER SOURCE OF FUNDS	500	350	150	7,120	3,500	3,620	4,150	2,970
<b>TOTAL REVENUE/EXPENSE</b>	<b>3,846</b>	<b>3,696</b>	<b>150</b>	<b>41,090</b>	<b>37,312</b>	<b>3,778</b>	<b>39,940</b>	<b>1,150</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				41,090				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				-				
				-				
<b>ID #2 FUND BALANCE:</b>								
ENDING FUNDS AVAILABLE 2018-2019	222,772							
TRANSFER TO CAPITAL FUND-REPLACEMENT	41,090							
TRANSFER FOR CAPITAL IMPROVEMENTS	-							
CAPITAL IMPROVEMENT-PLANT REMOVAL	-							
TOTAL FUNDS AVAILABLE	263,862							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Eleven Months Ending May 31, 2020**

	MAY			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
<b><i>NON-POTABLE WATER DEPARTMENT</i></b>								
OPERATING REVENUE:								
RECYCLED/NON-POTABLE WATER SALES	209,417	141,667	67,750	1,351,112	1,558,350	(207,238)	1,700,000	(348,888)
RECYCLED/ NON-POT WATER FIXED CHARGE	22,687	16,667	6,020	237,923	183,400	54,523	200,000	37,923
RECYCLED/NON-POTABLE PUMPING CHARGE	3,541	3,333	208	35,479	36,700	(1,221)	40,000	(4,521)
MISC INCOME	4,000	1,000	3,000	10,000	11,000	(1,000)	12,000	(2,000)
INSPECTION REVENUE	5,472	2,417	3,055	25,300	26,600	(1,300)	29,000	(3,700)
<b>TOTAL NON-POTABLE REVENUE</b>	<b>245,117</b>	<b>165,084</b>	<b>80,033</b>	<b>1,659,814</b>	<b>1,816,050</b>	<b>(156,236)</b>	<b>1,981,000</b>	<b>(321,186)</b>
OPERATING EXPENSES:								
RECYCLED/NON-POTABLE LABOR EXP	9,488	10,900	(1,412)	76,661	77,500	(839)	94,200	(17,539)
INSPECTION WAGES EXPENSE	2,466	1,775	691	19,969	21,300	(1,331)	21,300	(1,331)
PAYROLL TAXES EXP	223	146	77	1,766	1,600	166	1,900	(134)
EMPLOYEE BENEFITS-INS	664	950	(286)	6,406	10,450	(4,044)	11,400	(4,994)
EMPLOYEE BENEFITS-RETIREMENT	968	1,050	(82)	10,473	11,550	(1,077)	12,600	(2,127)
MILEAGE EXP	-	17	(17)	-	180	(180)	200	(200)
OVERTIME EXP	-	517	(517)	16,714	5,700	11,014	6,200	10,514
VACATION EXP	156	167	(11)	1,718	1,800	(82)	5,600	(3,882)
SCADA SYS EXP	-	1,250	(1,250)	4,132	13,750	(9,618)	15,000	(10,868)
LABORATORY TESTING COSTS	-	250	(250)	-	2,750	(2,750)	3,000	(3,000)
EQUIPMENT REPAIRS & MAINT.	-	8,333	(8,333)	91,659	91,700	(41)	100,000	(8,341)
NONPOTABLE WATER LINE REPAIR	-	8,333	(8,333)	-	91,700	(91,700)	100,000	(100,000)
SECURITY AND ALARM EXP	-	158	(158)	-	1,700	(1,700)	1,900	(1,900)
PROPERTY MAINTENANCE	-	417	(417)	2,609	4,600	(1,991)	5,000	(2,391)
ENERGY COSTS	18,734	20,833	(2,099)	202,115	229,000	(26,885)	250,000	(47,885)
CONSUMABLE SUPPLIES EXP	-	83	(83)	2,055	900	1,155	1,000	1,055
CHEMICALS, LUBRICANTS & FUELS	439	292	147	4,772	3,200	1,572	3,500	1,272
PERMITS AND FEES EXP	354	500	(146)	8,312	5,500	2,812	6,000	2,312
SERVICE METERS AND PARTS COSTS	11,729	583	11,146	11,729	6,400	5,329	7,000	4,729
RECYCLED SIGN/TOOLS EXP	-	333	(333)	-	3,600	(3,600)	4,000	(4,000)
MISC OPERATING EXP	-	42	(42)	-	460	(460)	500	(500)
BAD DEBT	-	-	-	-	-	-	1,600	(1,600)
CONTINGENCIES	-	2,250	(2,250)	-	24,750	(24,750)	27,000	(27,000)
<b>TOTAL OPERATING EXPENSES</b>	<b>45,221</b>	<b>59,179</b>	<b>(13,958)</b>	<b>461,090</b>	<b>610,090</b>	<b>(149,000)</b>	<b>678,900</b>	<b>(217,810)</b>



**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 1**  
**Financing Authority**  
**(Sycamore Creek)**  
**5/31/2020**

Special Tax Fund (Acct #105636-009)  
Account Balance at Wilmington Trust \$ 524,166.25

---

BONDS PR ACCT (Acct # 105636-010)  
Account Balance at Wilmington Trust 100.89

---

Administrative Expense Fund(Acct #105636-011)  
Account Balance at Wilmington Trust 8.23

---

Surplus Fund (Acct #105636-012)  
Account Balance at Wilmington Trust 1,476,882.82

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**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 2**  
**Financing Authority**  
**(Montecito Ranch)**  
**5/31/2020**

Special Tax Fund (Acct #105636-014)  
Account Balance at Wilmington Trust \$ 80,288.08

---

BONDS PR ACCT (Acct # 105636-015)  
Account Balance at Wilmington Trust 12.87

---

Administrative Expense Fund(Acct #105636-016)  
Account Balance at Wilmington Trust -

---

Surplus Fund (Acct #105636-017)  
Account Balance at Wilmington Trust 345,784.66

---

Prepayment Fund (Acct #105636-026)  
Account Balance at Wilmington Trust -

---

TOTAL \$ 426,085.61

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 3**  
**Financing Authority**  
**(The Retreat)**  
**5/31/2020**

Special Tax Fund (Acct #105636-019)  
Account Balance at Wilmington Trust \$ 439,850.26

---

BONDS PR ACCT (Acct # 105636-020)  
Account Balance at Wilmington Trust 74.95

---

Administrative Expense Fund(Acct #105636-021)  
Account Balance at Wilmington Trust 8.23

---

Surplus Fund (Acct #105636-022)  
Account Balance at Wilmington Trust 903,377.18

---

Prepayment Fund (Acct #105636-027)  
Account Balance at Wilmington Trust 44,043.16

---

**TOTAL**

**\$ 1,387,353.78**

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 4**  
**Financing Authority**  
**(Terramor)**  
**5/31/2020**

Special Tax Fund (Acct #133306-001)  
Account Balance at Wilmington Trust \$ 250,715.66

---

Interest Acct (Acct #133306-002)  
Account Balance at Wilmington Trust 10,736.77

---

BONDS PR ACCT (Acct #133306-003)  
Account Balance at Wilmington Trust -

---

Administrative Expense Fund(Acct #133306-004)  
Account Balance at Wilmington Trust 45,997.86

---

Reserve fund Fund (Acct #133306-005)  
Account Balance at Wilmington Trust 1,399,395.23

---

Surplus Fund (Acct #133306-006)  
Account Balance at Wilmington Trust 20,575.81

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Redemption fund (Acct #133306-007)  
Account Balance at Wilmington Trust -

---

Construction fund (Acct #133306-008)  
Account Balance at Wilmington Trust 7,244,636.59

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Cost of Issuance (Acct #133306-009)  
Account Balance at Wilmington Trust -

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**TOTAL \$ 8,972,057.92**

**TEMESCAL VALLEY WATER DISTRICT  
Community Facilities District  
Financing Authority**

**5/31/2020**

Senior Lien Bonds - Revenue Fund (Acct #105636-000)	\$	-
- Lien Interest A/C ( Acct #105636-001)		3,850.36
- Lien Principal A/C (Acct #105636-002)		-
- Financing Authority Surplus A/C (Acct #105636-003)		-
- Reserve Fund CFD #1 (Acct #105636-004)		2,263,222.36
- Reserve Fund CFD #2 (Acct #105636-005)		276,065.06
- Reserve Fund CFD #3 (Acct #105636-006)		1,495,524.97
Junior Lien Bonds - Revenue Fund (Acct #105639-000)	\$	0.01
- Lien Interest A/C ( Acct #105639-001)		1,202.57
- Lien Principal A/C (Acct #105639-002)		-
- Financing Authority Surplus A/C (Acct #105639-003)		-
- Reserve Fund CFD #1 (Acct #105639-004)		619,045.70
- Reserve Fund CFD #2 (Acct #105639-005)		100,174.22
- Reserve Fund CFD #3 (Acct #105639-006)		540,859.69
<b>TOTAL</b>	<b>\$</b>	<b>-</b>



# PMIA/LAIF Performance Report as of 06/10/20



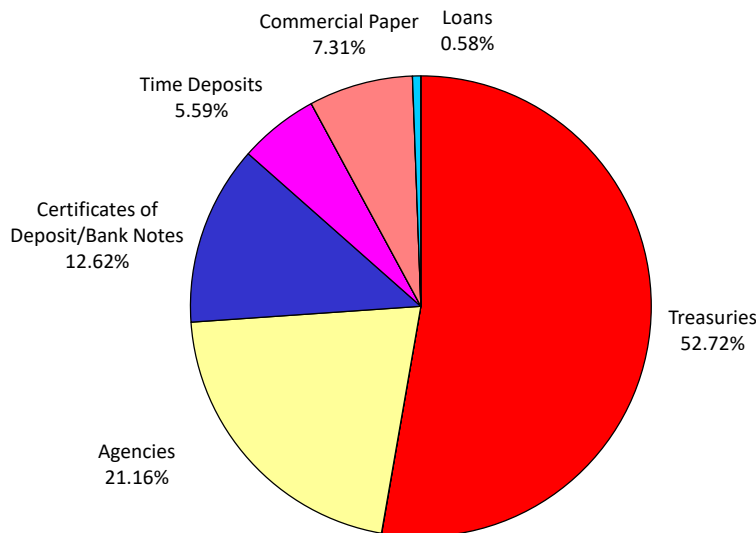
## PMIA Average Monthly Effective Yields<sup>(1)</sup>

May	1.363
Apr	1.648
Mar	1.787

## Quarterly Performance Quarter Ended 03/31/20

LAIF Apportionment Rate <sup>(2)</sup> :	2.03
LAIF Earnings Ratio <sup>(2)</sup> :	0.00005535460693046
LAIF Fair Value Factor <sup>(1)</sup> :	1.007481015
PMIA Daily <sup>(1)</sup> :	1.73%
PMIA Quarter to Date <sup>(1)</sup> :	1.89%
PMIA Average Life <sup>(1)</sup> :	208

## Pooled Money Investment Account Monthly Portfolio Composition <sup>(1)</sup> 05/31/20 \$99.0 billion



Percentages may not total 100% due to rounding

Daily rates are now available here. [View PMIA Daily Rates](#)

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

Source:

<sup>(1)</sup> State of California, Office of the Treasurer

<sup>(2)</sup> State of California, Office of the Controller

**RESOLUTION NO. R – 20 – 01**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF TEMESCAL VALLEY WATER DISTRICT  
RIVERSIDE COUNTY, CALIFORNIA  
FOR ADOPTION OF BUDGET**

WHEREAS, the General Manager has prepared and submitted to this Board, the budgets for Wastewater, Water, Non-potable Water, Sewer Improvement Districts No. 1 and No. 2 for the District's 2020/21 fiscal year; and

WHEREAS, said budgets have been reviewed and recommended for adoption by the finance committee,

NOW THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED, that the 2020/21 fiscal year budgets heretofore submitted at this meeting by the General Manager are hereby approved and adopted.

ADOPTED, SIGNED and APPROVED this 23<sup>rd</sup> day of June 2020.

ATTEST:

APPROVED:

By: \_\_\_\_\_  
Secretary, Board of Directors  
Temescal Valley Water District

By: \_\_\_\_\_  
President, Board of Directors  
Temescal Valley Water District

Date: \_\_\_\_\_

Date: \_\_\_\_\_

I, Paul Rodriguez, hereby certify that I am the duly appointed and presently acting secretary of Temescal Valley Water District, a California Water District: that the foregoing is a full and correct copy of Resolution No. R-20-01 of said District; that said Resolution was duly adopted on June 23, 2020 at a regular meeting of the Board of Directors of said District by the following roll call vote:

**AYES:**

**NOES:**

**ABSENT:**

**ABSTAIN:**

**IN WITNESS WHEREOF**, I have hereunto set my hand this 23<sup>rd</sup> day of June 2020.

---

Paul Rodriguez, Secretary  
Temescal Valley Water District

(SEAL)

**TEMESCAL VALLEY WATER DISTRICT  
BUDGET  
2020-2021**

<u><b>WASTEWATER DEPARTMENT</b></u>	<u><b>BUDGET</b></u>
<u><b>OPERATING REVENUE:</b></u>	<u><b>2020-2021</b></u>
MONTHLY SEWER SERVICE CHARGE	\$ 2,570,000
MONTHLY SERVICE CHARGE-ID #1	138,000
MONTHLY SERVICE CHARGE-ID #2	156,000
MONTHLY SEWER SERVICE CHG-R COM	120,000
MISC UTILITY CHARGES/ REVENUE	5,000
STANDBY CHARGES	110,000
CFD REIMBURSEMENTS	20,000
INSPECTION CHARGES	50,000
TOTAL WASTEWATER REVENUE	<u>\$ 3,169,000</u>
<b>OPERATING EXPENSES:</b>	
PLANT WAGES EXPENSE	\$ 167,000.00
INSPECTION WAGES EXPENSE	35,000
PAYROLL TAXES EXP	3,800
EMPLOYEE BENEFITS-INS	21,600
EMPLOYEE BENEFITS-RETIREMENT	23,000
OVERTIME EXP	37,200
MILEAGE EXP	1,200
VACATION EXP	10,100
SCADA SYSTEM ADMIN/MAINT	13,000
LABORATORY TESTING COSTS	23,000
SLUDGE DISPOSAL/PUMPING COSTS	70,000
SLUDGE DISPOSAL BAG EXP	25,000
SLUDGE CHEMICAL EXP	58,000
EQUIPMENT RENTAL COSTS	2,000
EQUIPMENT REPAIRS & MAINT.	200,000
SEWER LINE REPAIRS	5,000
SEWER CLEANING AND VIDEO EXP	20,000
SECURITY AND ALARM EXP	3,000
PROPERTY MAINTENANCE	45,000
ENGINEERING/ADMIN. STUDIES	20,000
ENERGY COSTS	235,000
CONSUMABLE SUPPLIES & CLEANING	10,000
CHEMICALS, LUBRICANTS & FUELS	165,000
SMALL EQUIPMENT & TOOLS COST	30,000
PERMITS, FEES & TAXES (WTR BRD FEE)	26,000
SAWPA BASIN MONITORING EXP	25,000
MAP UPDATING/GIS EXP	2,000
MISC. OPERATING EXP	1,000
BAD DEBT EXPENSES	2,000
CONTINGENCIES	54,000
TOTAL OPERATING EXPENSES	<u>\$ 1,332,900</u>



**TEMESCAL VALLEY WATER DISTRICT  
BUDGET  
2020-2021**

	<b>BUDGET 2020-2021</b>
<b>ADMINISTRATIVE EXPENSES:</b>	
CONTRACT MANAGEMENT	\$ 102,000
GENERAL ENGINEERING EXP	15,000
EMPLOYEE BENEFITS-INS	19,000
EMPLOYEE BENEFITS-RETIREMENT	24,000
ANNUAL ASSESSMENT EXP	3,000
PLAN CHECK & INSPECTION EXP	10,000
WAGES EXPENSE	180,100
VACATION EXP	12,500
PAYROLL TAX EXPENSES	3,000
OVERTIME EXP	2,000
MILEAGE EXP ADMIN	250
CONTRACT STAFFING EXP	2,000
LEGAL EXPENSES	10,000
AUDIT EXPENSES	6,000
BOARD COMMITTEE MEETING EXP.	12,000
ELECTION & PUBLIC HEARING EXP	4,000
COMPUTER SYSTEM ADMIN	20,000
BANK CHARGES EXP	27,000
MISCELLANEOUS & EDUCATION EXP	3,000
TELEPHONE, FAX & CELL EXP	15,000
OFFICE SUPPLIES EXP	15,000
PRINTING EXPENSES	8,000
POSTAGE & DELIVERY EXPENSE	14,000
PUBLICATIONS, NOTICES & DUES	1,500
EQUIPMENT LEASE EXPENSES	8,000
INSURANCE EXPENSES	30,000
COMMUNITY OUTREACH EXP	8,000
INVESTMENT EXP	4,800
TOTAL ADMINISTRATIVE EXPENSES	\$ 559,150
TOTAL WASTEWATER EXPENSES	\$ 1,892,050
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>\$ 1,276,950</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>	
INTEREST INCOME	150,000
PROPERTY TAX INCOME	75,000
TOTAL NON-OPER SOURCE OF FUNDS	\$ 225,000
<b>TOTAL SEWER REVENUE/EXPENSE</b>	<b>\$ 1,501,950</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT-DEPR	\$ 655,000
TRANSFER TO CAPITAL FUND-IMPROVEMENT	\$ 846,950

**TEMESCAL VALLEY WATER DISTRICT  
BUDGET  
2020-2021**

	BUDGET 2020-2021
<b><u>WATER DEPARTMENT</u></b>	
<b>OPERATING REVENUE:</b>	
WATER SERVICE CHARGE	\$ 1,774,000
WATER USAGE CHARGES	4,100,000
WATER PUMPING CHARGE	165,000
FIRE PROTECTION CHARGES	40,000
MISC. UTILITY CHARGES	40,000
SERVICE METER INCOME	100,000
CELLULAR SITE LEASE	54,000
MWD READINESS TO SERVE CHARGE	119,000
STANDBY CHARGES	40,000
CFD REIMBURSEMENTS	20,000
INSPECTION CHARGES	50,000
TOTAL WATER REVENUE	\$ 6,502,000
<b>OPERATING EXPENSES:</b>	
WAGES EXPENSE	\$ 147,000
INSPECTION WAGES EXPENSE	30,000
PAYROLL TAXES EXP	3,000
EMPLOYEE BENEFITS-INS	18,900
EMPLOYEE BENEFITS-RETIREMENT	21,000
OPERATION-MILEAGE EXP	1,500
OVERTIME EXPENSE/ ON CALL	33,000
VACATION EXP	8,800
CONTRACT STAFFING-METER READS	69,000
SCADA SYSTEM ADMIN/MAINT	10,000
LABORATORY TESTING COSTS	16,000
COMPLIANCE TESTING (ISDE/CROSS)	3,000
LEAK DETECTION EXPENSE	8,000
EPA WATER TESTING EXP	8,500
EQUIPMENT RENTAL COSTS	2,000
EQUIPMENT REPAIRS & MAINT.	80,000
WATER LINE REPAIRS	40,000
ALARM MONITORING COSTS	3,000
PROPERTY MAINTENANCE	5,000
ENGINEERING/ADMIN. STUDIES	8,000
ENERGY COSTS	145,000
CONSUMABLE SUPPLIES & CLEANING	4,000
CHEMICALS, LUBRICANTS & FUELS	8,000
SMALL EQUIPMENT & TOOLS COST	5,000
PERMITS, FEES & TAXES	35,000
MAP UPDATING/GIS EXP	5,000
SERVICE METERS & PARTS COSTS	100,000
WHOLESALE WATER PURCHASES	3,650,000
WATER-MWD CAPACITY CHARGE	48,000
WATER-READINESS TO SERVE/REFUSAL CHARGE	119,000
WMWD-MGLMR EXP	117,000
BAD DEBT EXPENSES	3,000
CONSERVATION REBATE EXP	5,000
CONTINGENCIES	47,000
TOTAL OPERATING EXPENSES	\$ 4,806,700

**TEMESCAL VALLEY WATER DISTRICT  
BUDGET  
2020-2021**

	<b>BUDGET 2020-2021</b>
<b>ADMINISTRATIVE EXPENSES:</b>	
CONTRACT MANAGEMENT	\$ 89,250
GENERAL ENGINEERING EXP	20,000
PLAN CHECK & INSPECTION EXP	10,000
EMPLOYEE BENEFITS-INS	17,300
EMPLOYEE BENEFITS-RETIREMENT	21,800
ANNUAL ASSESSMENT EXP	2,843
WAGES EXPENSE	156,850
VACATION EXP	11,000
MILEAGE EXP ADMIN	500
OVERTIME EXPENSE	1,750
PAYROLL TAX EXPENSES	2,500
CONTRACT STAFFING OFFICE	2,000
LEGAL EXPENSES	7,500
AUDIT EXPENSES	5,500
BOARD COMMITTEE/ MEETING EXP.	10,500
COMPUTER SYSTEM EXP	16,000
BANK CHARGES EXP	25,000
MISCELLANEOUS & EDUCATION EXP	2,000
TELEPHONE EXP	15,000
OFFICE SUPPLIES EXP	12,000
PRINTING EXPENSES	5,000
POSTAGE & DELIVERY EXPENSE	12,000
PUBLICATIONS, NOTICES & DUES	2,500
EQUIPMENT LEASE EXPENSES	7,000
INSURANCE EXPENSES	25,000
INVESTMENT EXPENSE	4,800
ELECTION & PUBLIC HEARING EXP	3,500
COMMUNITY OUT REACH EXP	8,000
TOTAL ADMINISTRATIVE EXPENSES	\$ 497,093
TOTAL WATER EXPENSES	\$ 5,303,793
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>\$ 1,198,207</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>	
INTEREST INCOME	180,000
PROPERTY TAX INCOME	40,000
TOTAL NON-OP SOURCE OF FUNDS	\$ 220,000
<b>TOTAL REVENUE/EXPENSE</b>	<b>\$ 1,418,207</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT-DEPR	\$ 623,000
TRANSFER TO CAPITAL FUND-IMPROVEMENT	\$ 795,207

**TEMESCAL VALLEY WATER DISTRICT  
BUDGET  
2020-2021**

<b><u>ID#1 DEPARTMENT</u></b>	<b>BUDGET 2020-2021</b>
<b>OPERATING REVENUE:</b>	
ANNUAL SEWER SERVICE CHARGE	\$ 164,700
TOTAL ID #1 REVENUE	164,700
<b>OPERATING EXPENSES:</b>	
MONTHLY TREATMENT PLANT COSTS	138,000
TOTAL OPERATING COSTS	138,000
<b>ADMINISTRATIVE EXPENSES:</b>	
ANNUAL ASSESSMENT PROCESSING	2,843
TOTAL ADMINISTRATIVE EXPENSES	2,843
<b>TOTAL ID#1 EXPENSES</b>	<b>\$ 140,843</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>\$ 23,857</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>	
INTEREST INCOME/UNREALIZED GAIN ON INV	4,100
TOTAL NON-OPER SOURCE OF FUNDS	\$ 4,100
<b>TOTAL REVENUE/EXPENSE</b>	<b>\$ 27,957</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT-DEPR	\$ 24,000
SINKING FUND - CAPACITY	\$ 3,957

<b><u>ID#2 DEPARTMENT</u></b>	<b>BUDGET 2020-2021</b>
<b>OPERATING REVENUE:</b>	
ANNUAL SEWER SERVICE CHARGE	\$ 191,820
TOTAL ID #2 REVENUE	191,820
<b>OPERATING EXPENSES:</b>	
MONTHLY TREATMENT PLANT COSTS	156,000
TOTAL OPERATING COSTS	156,000
<b>ADMINISTRATIVE EXPENSES:</b>	
ANNUAL ASSESSMENT PROCESSING	2,842
TOTAL ADMINISTRATIVE EXPENSES	2,842
<b>TOTAL ID#2 EXPENSES</b>	<b>\$ 158,842</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>\$ 32,978</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>	
INTEREST INCOME/UNREALIZED GAIN ON INV	8,000
TOTAL NON-OPER SOURCE OF FUNDS	8,000
<b>TOTAL REVENUE/EXPENSE</b>	<b>\$ 40,978</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT-DEPR	\$ 40,978
SINKING FUND - CAPACITY	-

**TEMESCAL VALLEY WATER DISTRICT  
BUDGET  
2020-2021**

	<b>BUDGET 2020-2021</b>
<b><u>NON-POTABLE WATER DEPARTMENT</u></b>	
<b>OPERATING REVENUE:</b>	
RECYCLED/NON-POTABLE WATER SALES	\$ 1,700,000
RECYCLED/ NON-POT WATER FIXED CHARGE	200,000
RECYCLED/NON-POTABLE PUMPING CHARGE	40,000
MISC INCOME	12,000
INSPECTION REVENUE	29,000
<b>TOTAL NON-POTABLE REVENUE</b>	<b>\$ 1,981,000</b>
 <b>OPERATING EXPENSES:</b>	
RECYCLED/NON-POTABLE LABOR EXP	\$ 104,550
INSPECTION WAGES EXPENSE	21,700
PAYROLL TAXES EXP	2,400
EMPLOYEE BENEFITS-INS	13,500
EMPLOYEE BENEFITS-RETIREMENT	14,500
MILEAGE EXP	700
OVERTIME EXP	21,000
VACATION EXP	6,300
SCADA SYS EXP	10,000
LABORATORY TESTING COSTS	3,000
EQUIPMENT REPAIRS & MAINT.	60,000
NONPOTABLE WATER LINE REPAIR	80,000
SECURITY AND ALARM EXP	1,900
PROPERTY MAINTENANCE	4,000
ENERGY COSTS	250,000
CONSUMABLE SUPPLIES EXP	2,500
CHEMICALS, LUBRICANTS & FUELS	5,500
PERMITS AND FEES EXP	7,500
SERVICE METERS AND PARTS COSTS	7,000
RECYCLED SIGN/TOOLS EXP	4,000
MISC OPERATING EXP	500
BAD DEBT	1,600
CONTINGENCIES	25,000
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 647,150</b>

**TEMESCAL VALLEY WATER DISTRICT  
BUDGET  
2020-2021**

	<b>BUDGET 2020-2021</b>
<b>ADMINISTRATIVE EXPENSES:</b>	
CONTRACT MANAGEMENT	\$ 63,750
GENERAL ENGINEERING/ PLAN CHECK EXP	5,000
INSPECTION / PLAN CHECK EXP	1,000
EMPLOYEE BENEFITS-INS	12,300
EMPLOYEE BENEFITS-RETIREMENT	15,500
WAGES EXPENSE	113,500
VACATION EXP	7,800
MILEAGE EXP	200
OVERTIME EXP	1,250
PAYROLL TAX EXPENSE	1,800
CONTRACT STAFFING EXP	2,000
LEGAL EXPENSE	5,000
AUDIT EXP	4,500
BOARD FEES EXP	7,500
COMPUTER SYSTEMS EXP	10,000
BANK CHARGES	17,000
MISC & EDUCATION EXP	1,000
TELEPHONE EXP	9,500
OFFICE SUPPLIES	7,000
PRINTING EXP	3,000
POSTAGE EXP	10,000
PUBLICATION EXP	2,000
EQUIPMENT LEASE EXP	4,500
INSURANCE EXPENSE	20,000
ANNUAL ASSESSMENT EXP	3,000
INVESTMENT EXPENSE	3,000
COMMUNITY OUTREACH EXP	4,800
TOTAL ADMINISTRATIVE EXPENSES	\$ 335,900
TOTAL NON-POTABLE OPERATING EXPENSES	\$ 983,050
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>997,950</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>	
INTEREST INCOME	30,000
TOTAL NON-OP SOURCE OF FUNDS	\$ 30,000
<b>TOTAL REVENUE/EXPENSE</b>	<b>\$ 1,027,950</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT-DEPR	\$ 357,000
TRANSFER TO CAPITAL FUND-IMPROVEMENT	\$ 670,950

Temescal Valley Water District  
Capital Projects  
Yearly Miscellaneous and Multi - Year

In Process      Not Started

Capital Projects		Eng #1401.*	Total Cost	Source of Funding			Previous YR	AS OF APRIL 2020 EXPENDITURES			Total YTD	Variance
FY 2019/2020 Maintenance/ General Projects	CIP #			Sewer Fund	Water Fund	Recycled Fund		Sewer Fund	Water Fund	Recycled Fund		
Computer and Software Upgrades	G-1-2019	1907	\$ 25,000	\$ 10,000	\$ 8,750	\$ 6,250		\$ 1,552	\$ 1,358	\$ 969	\$ 3,879	\$ 21,121
General Building Improvements	G-2-2019		\$ 80,000	\$ 32,000	\$ 28,000	\$ 20,000	\$ -	\$ 8,292	\$ -	\$ -	\$ 8,292	\$ 71,708
Backhoe	P-1-2019		\$ 105,000	\$ 30,000	\$ 30,000	\$ 30,000		\$ 35,000	\$ 35,000	\$ 34,935	\$ 104,935	\$ 65
Trillogy Reservoir Rehab Interior/Exterior	W-1-2019		\$ 524,400	\$ -	\$ 524,400	\$ -	\$ 2,200	\$ -	\$ 24,422	\$ -	\$ 24,422	\$ 497,778
Urban Water Management Plan 2020	G-23-2019		\$ 100,000	\$ -	\$ -	\$ 100,000		\$ -	\$ -	\$ -	\$ -	\$ 100,000
WRF Compliance Instrumentation Replacement			\$ 40,000	\$ 25,000	\$ -	\$ 15,000		\$ 29,201	\$ -	\$ -	\$ 29,201	\$ 10,799
Convert to Recycled			\$ 135,000	\$ -	\$ 75,000	\$ 60,000		\$ -	\$ -	\$ -	\$ -	\$ 135,000
Potable Water Looping (Forest Boundary)	W-2-2019		\$ 460,000	\$ -	\$ 460,000	\$ -		\$ -	\$ 26,217	\$ -	\$ 26,217	\$ 433,783
Recycled and Non-potable Pipeline extensions	NP-2018		\$ 775,000	\$ -	\$ -	\$ 775,000	\$ -	\$ -	\$ -	\$ 30,510	\$ 30,510	\$ 744,490
I-15 AG Line Repair			\$ 297,479	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 297,479	\$ 297,479	\$ -
<b>SUBTOTAL</b>			<b>\$ 2,541,879</b>	<b>\$ 97,000</b>	<b>\$ 1,126,150</b>	<b>\$ 1,206,250</b>	<b>\$ 2,200</b>	<b>\$ 74,045</b>	<b>\$ 86,997</b>	<b>\$ 363,893</b>	<b>\$ 524,935</b>	<b>\$ 2,014,744</b>

Multiple Fiscal Year Projects		Eng #1401.*	Total Cost	Source of Funding			Previous YR	YEAR TO DATE			Total YTD	Variance
	CIP #			Sewer Fund	Water Fund	Recycled Fund		Sewer Fund	Water Fund	Recycled Fund		
Well Cleaning and Rehab		1811	\$ 125,000	\$ -	\$ 50,000	\$ 75,000	\$ 106,030	\$ -	\$ 39,322	\$ 58,982	\$ 98,304	\$ (79,334)
Park Canyon RW Design and Easements			\$ 90,000	\$ -	\$ -	\$ 90,000	\$ 17,074	\$ -	\$ -	\$ -	\$ -	\$ 72,926
Water System Master Plan			\$ 20,000	\$ -	\$ 20,000	\$ -	\$ 15,595	\$ -	\$ -	\$ -	\$ -	\$ 4,405
Sewer System Master Plan			\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 12,670	\$ 43,552	\$ -	\$ -	\$ 43,552	\$ 43,778
Non-Potable Recycled Water Master Plan			\$ 30,000	\$ -	\$ -	\$ 30,000	\$ 29,985	\$ -	\$ -	\$ -	\$ -	\$ 15
New Energy Saving Plant Lighting			\$ 52,000	\$ 52,000	\$ -	\$ -	\$ 42,185	\$ -	\$ -	\$ -	\$ -	\$ 9,815
Air Actuator valves			\$ 42,000	\$ 42,000	\$ -	\$ -	\$ 21,984	\$ -	\$ -	\$ -	\$ -	\$ 20,016
Upgrade STP PLCs			\$ 250,000	\$ 100,000	\$ 87,500	\$ 62,500	\$ 229,729	\$ 3,150	\$ -	\$ -	\$ 3,150	\$ 17,121
WRF 225,000 GPD Upgrade (SBR Controls)	S-1-2015		\$ 1,230,000	\$ 1,230,000	\$ -	\$ -	\$ -	\$ 1,224,019	\$ -	\$ -	\$ 1,224,019	\$ 5,981
WRF 225,000 GPD Expansion (District Share)	S-1-2015		\$ 5,506,613	\$ 5,506,613	\$ -	\$ -	\$ 82,334	\$ 1,207,222	\$ -	\$ -	\$ 1,207,222	\$ 4,217,057
GIS Mapping - Water Sewer RW pipelines and facilities		1904/1905	\$ 171,700	\$ 66,000	\$ 66,000	\$ 39,700	\$ 136,086	\$ 8,561	\$ 2,392	\$ -	\$ 10,953	\$ 24,661
Well Replacement			\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 75,663	\$ 75,663	\$ 224,337
Groundwater Study and Development (inc GSA)			\$ 503,000	\$ -	\$ 135,000	\$ 368,000	\$ 131,140	\$ -	\$ 184,777	\$ 184,777	\$ 369,554	\$ 2,306
Alternate Tertiary Percolation Area		\$ 320,000	\$ 300,000	\$ -	\$ 20,000	\$ 190,682	\$ -	\$ -	\$ -	\$ -	\$ 129,318	
Dawson Canyon Potable Reservoir Design	W-1-2015	1810	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ 131,540	\$ -	\$ 68,741	\$ -	\$ 68,741	\$ (281)
Dawson Canyon 5 MG Potable Reservoir Construction	W-1-2015		\$ 5,770,000	\$ -	\$ 5,770,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,770,000	
COR Temescal Cyn Rd widening - pipeline relocation.			\$ 500,000	\$ -	\$ 250,000	\$ 250,000	\$ 388,316	\$ -	\$ -	\$ -	\$ -	\$ 111,684
<b>SUBTOTAL</b>			<b>\$ 15,210,313</b>	<b>\$ 7,396,613</b>	<b>\$ 6,578,500</b>	<b>\$ 1,235,200</b>	<b>\$ 1,535,350</b>	<b>\$ 2,486,504</b>	<b>\$ 295,232</b>	<b>\$ 319,422</b>	<b>\$ 3,101,158</b>	<b>\$ 10,573,805</b>
<b>TOTAL FY19/20</b>			<b>\$ 17,752,192</b>	<b>\$ 7,493,613</b>	<b>\$ 7,704,650</b>	<b>\$ 2,441,450</b>	<b>\$ 1,537,550</b>	<b>\$ 2,560,549</b>	<b>\$ 382,229</b>	<b>\$ 683,315</b>	<b>\$ 3,626,093</b>	<b>\$ 12,588,549</b>

Proposed New FY 20/21 Capital Projects		Eng #1401.*	Total Cost	Source of Funding			Previous YR	YEAR TO DATE			Total YTD	Variance
	CIP #			Sewer Fund	Water Fund	Recycled Fund		Sewer Fund	Water Fund	Recycled Fund		
5-year Financial Plan Development with 218 notice	G-1-2020		\$ 120,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000
Groundwater Sustainability JPA	G-2-2020		\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000
Water Reclamation Facility Flow EQ Covers	S-1-2020		\$ 470,000	\$ 470,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 470,000
New Loader for Sludge Removal	S-2-2020		\$ 180,000	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000
WRF Headworks Screen Replacement	S-3-2020		\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Reservoir Management Systems	W-1-2020		\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Potable Water Looping Phase II (Knabe)	W-2-2019		\$ 500,000	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Wildrose Reservoir Cathodic Protection System	W-2-2020		\$ 55,000	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000
TWC (EVMWD) Potable system purchase study	W-3-2020		\$ 25,000	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
<b>SUBTOTAL</b>				<b>\$ 1,785,000</b>	<b>\$ 990,000</b>	<b>\$ 755,000</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**FUND Balance Projection end of FY 19/20      \$ 11,356,000    \$ 13,979,915    \$ 3,705,415**



## Solutions through Collaboration

Temescal Valley Water District

Submittal Date:

May 26, 2020





# About Us



IB Consulting, LLC (IB Consulting) is a recently formed public consulting firm located in Temecula, California and is a certified Women Business Enterprise / Minority Business Enterprise (WMBE) with Supplier Clearinghouse. As co-founders of the firm and leading experts in the utility rate industry, Habib Isaac and Andrea Boehling have specialized in the public finance consulting sector for 17 years and 13 years, respectively. Collectively, we have assisted hundreds of cities and special districts throughout California with financial planning, utility rate development, fiscal impact analysis, impact fees as well as the formation of dedicated funding mechanisms, such as assessments, standby charges, and special taxes.

Our mission is to establish long-term relationships with clients and provide ongoing consulting services that extend beyond a specific project and spans multiple financial service needs. Whether the work involves a utility rate study, capacity fee update, or the formation of a new special tax or assessment, these projects contribute to the overall strategic objectives of the agency and influence other initiatives. Our approach focuses on only working with a handful of municipalities concurrently to ensure our services generate tailored deliverables and quick responsiveness to all correspondence. Focusing on only a few clients allows a “hands-on” approach to projects, fosters more thoughtful discussions, ensures we are available when needed, and generates viable solutions for consideration by staff and elected officials. We aim to collaborate with our clients on multiple fronts to develop a holistic understanding of the various policy decisions facing our clients. With this underlying approach to our consulting practice, we encourage our clients to connect with us to obtain our perspective whenever needed, and we will provide insightful solutions from our industry experiences.

Habib Isaac - Principal | Managing Partner  
319838 Temecula Parkway, Suite A #350  
Temecula, CA. 92592  
951-595-9354

Andrea Boehling - Principal | Managing Partner  
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# Executive Summary

The District is requesting comprehensive cost of service update to its water, wastewater, and recycled rates as their previous study spanned the five year period of FY 2017 - FY 2021. With no further rate adjustments scheduled after July 1, 2020, updating the District's utility studies and capacity fees during FY 2021 is prudent planning to develop rates for FY 2022 and beyond.

Habib and Andrea have been working with the District since 2016 and have been providing annual updates to the District's financial plan. Our familiarity with the District's budget process, financial structure, and Board expectations will allow us to hit the ground running with the new study. With this institutional knowledge of all three enterprises and a comprehensive understanding of the District's current rate structures, we intend to leverage our familiarity and develop a customized model and proposed rates driven by the following criteria:

- Reflects the financial structure of the District to ensure the rate models and budgets succinctly connect to for ease of use by District staff;
- Maintains consistency between all three utility models;
- Documents costs incurred by the District and how those costs are recovered through the proposed rates, including costs that may be passed-through;
- Provide the ability to evaluate various financial plan alternatives as well as rate structure options for consideration and discussion.

# Meet Our Team



**Habib Isaac**

**PRINCIPAL | MANAGING PARTNER**



**Andrea Boehling**

**PRINCIPAL | MANAGING PARTNER**

Habib and Andrea will work in concert with staff to prepare a framework outlining the overall approach, develop a nexus for rates, deliberate on policy decisions, facilitate all meetings and workshops, and prepare a final report with a key focus on quality.

Habib and Andrea have been working in tandem for over eight years and have over 30 years of combined experience. They have completed more than 50 utility rate studies throughout California, where Habib and Andrea were the primary contacts for each project. With their unique skillsets complementing one another, forming their consulting practice was a natural progression in their careers. Both are managing partners of the firm and, for this engagement, staff will benefit from two seasoned utility rate experts as a resource for all financial-related matters. Habib and Andrea will both be intimately involved with all aspects of the project and deliverables. They have worked for many agencies throughout California with a list of recent clients listed below:

- East Valley Water District (water / wastewater);
- Elsinore Valley MWD (water / wastewater);
- Helix Water District (water);
- Rainbow MWD (water);
- City of Galt (water, wastewater);
- City of Roseville (water / wastewater / solid waste);
- City of Livermore (water / wastewater);
- Delta Diablo (wastewater);
- Citrus Heights Water District (water);
- Sacramento Suburban Water District (water);



# Scope of Services

With the District entering its last year of noticed rates, it is prudent timing to initiate an independent review and update of its utility rates to meet the substantive provisions of Proposition 218. We will work in concert with staff and be in attendance at all in-person meetings. We will design the new utility rate models to reflect updated financials and provide additional functionality for ease of use. We will walk staff through each component of the models as they are built to understand overall approach and how rates are connected to the cost of providing service. We understand the importance of developing a sound, accurate financial plan for each utility to determine future revenue requirements over the next five to ten years. The detailed scope below addresses the proposed tasks and are listed in chronological order with how we envision working through the development of new rates and capacity fees.

## **TASK 1: DATA COLLECTION AND KICK-OFF MEETING**

As part of project initiation, we will hold a kick-off webinar with staff to discuss the overall approach to the project, an initial timeline for completion, and identify key milestones. To ensure a productive kick-off webinar, we will first provide a data request of the items required for developing updated financial plans, cost of service analyses, and corresponding rates for each utility. Ideally, the kick-off webinar will occur two weeks after the data request is submitted to allow for compiling and reviewing data in preparation for the meeting. During our call, we will discuss any clarifying questions we have regarding data received and identify any policy consideration requiring additional discussion with staff.

The primary objectives of the kick-off webinar are to develop an initial framework of the study, discuss cost drivers, and other economic influences. We will discuss rate alternatives to evaluate and identify any new costs incurred. Any new costs will be specifically discussed to determine how they should connect to fixed charges, variable rates, or both. Another new emerging topic is evaluating the financial impacts of COVID-19 on the District's utilities, which will be included as part of this study.

**Meetings:** One (1) kick-off webinar with staff to discuss the data needs and overall approach of the study and monthly conference calls / webinars to review the development of the financial plans and proposed rates.

**Deliverable:** Data request, PowerPoint for kick-off discussion and meeting minutes.

**Project Management:** We will facilitate all calls and prepare agendas.

**Staff Impact:** Provide any readily available data based on request before the meeting and participate on conference calls.

## **TASK 2: FINANCIAL PLAN DEVELOPMENT**

We will review the District's revenue requirements to ensure all costs are captured, including debt coverage and reserve funding. We will include both historical financial performance and projected revenue requirements for the next 10-years for all three utilities. Our review will extend through a 20-year planning period to capture any significant capital project costs on the horizon that may require a slow build-up of cash to offset significant revenue needs in future years and if debt is needed to fund significant capital costs in one specific year. The historical financial data will provide a reference for revenue and expense trends, new line items added over the years, and a means to conduct a revenue check. Recalculated revenue using the raw billing data will be compared to actual revenue recovered within the most recent audited financials. Doing so will provide an initial quality assurance check that the raw billing data and units of service driving the updated models are fundamentally sound for forecasting revenue needs to meet the District's revenue requirements. This will also allow us to model "what-if" scenarios with changes to growth, water demand, wastewater flows, recycled usage, and chargeable units.

Expenses will also be projected over the planning period and will incorporate separate inflationary categories including, but not limited to, salaries, benefits, energy, and treatment costs. These inflationary adjustments will be included as a pull-down menu for staff to select on a line item basis within the expenditure listing. We will include existing debt service schedules and the model will have the ability to issue new debt as an option for capital funding.

As part of this task, we will also revisit the District's reserve policies and either confirm or make recommendations on certain adjustments to the policy with the reasoning behind each potential adjustment. As part of our evaluation, we will identify types of reserves to include, reserve targets to achieve in connection with the purpose of the reserve, and minimum targets to consistently maintain for each. With COVID-19 potentially generating a higher level of non-payments and impacting the District's revenue recovery, augmenting reserves may be a prudent business practice to ensure financial sustainability. Through discussions with staff, we will finalize the revenue requirements for each utility that will flow through the cost of service and rate analysis.

The financial plan model will include an infographic interface (Financial Dashboard) created with the end-user in mind. The Financial Dashboard will include, but not limited to, the utility's current financial operating position, required capital needs with funding sources, the make-up of reserve requirements, and ending reserve balances. The Financial Dashboard will be used to develop viable options to meet each utility's objectives. We will collaborate with staff and discuss the differences between each option as it relates to the financial health of the utility enterprises. In each financial plan, we will identify key metrics to ensure each financial plan option generates financial sufficiency, minimizes rate fluctuations through level adjustments, and generates adequate annual net cash to comply with bond covenants.

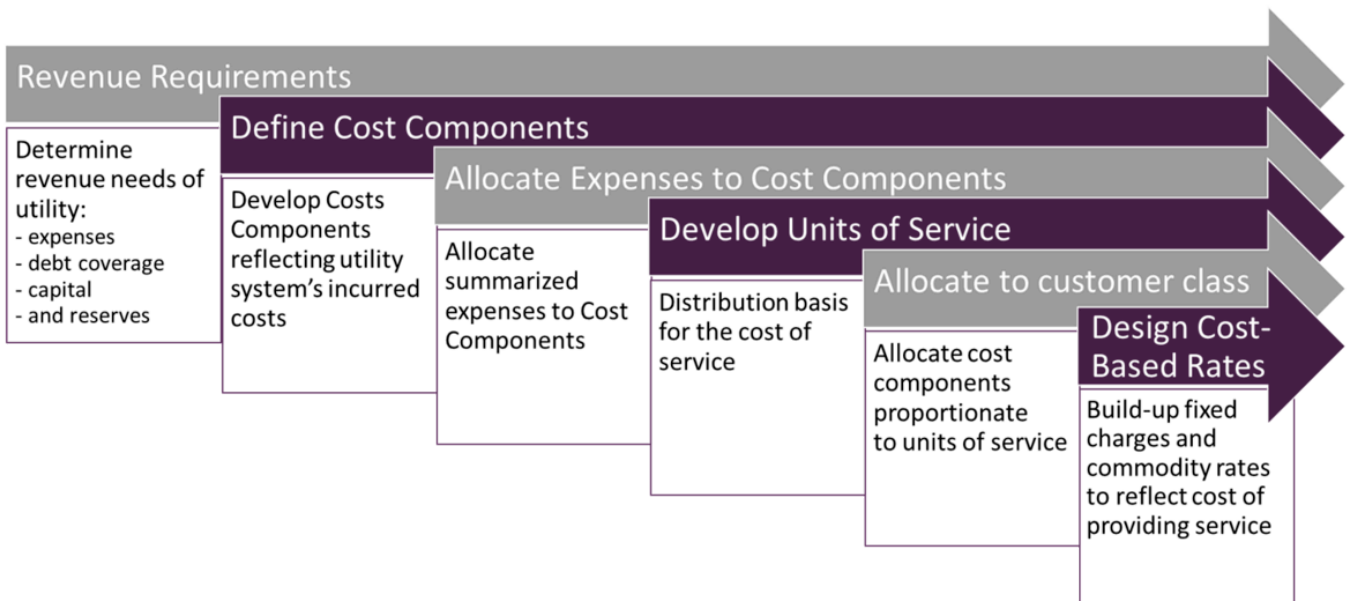
**Meetings:** Three (3) webinars with staff to review revenue requirements and financial plans.

**Deliverable:** Financial plan models.

**Project Management:** We will hold 3 GoToMeeting webinars with staff to go through revenue requirements, the financial plans, and discuss cost of service integration.

**Staff Impact:** Available from time-to-time to discuss budget, specific costs, reserve policies and participate in 3 webinars.

### TASK 3: COST OF SERVICE / RATE ANALYSIS



The cost of service analysis is a critical component of any rate study. It directly ties to how rates will adjust, which ultimately impacts customer bills and provides a sound nexus between costs incurred and proposed rates. We will evaluate different options for the amount of revenue recovered from the District's fixed charges versus how much is recovered from the commodity rates for each utility. Adjustments between the fixed/variable split will be driven by identifying which costs may be shifted from being recovered from the variable component to a fixed component and why. A thorough, updated consumption analysis will be conducted to capture new units of service and provide insight into the amount of revenue recovered between fixed charges and commodity rates. We will evaluate this revenue recovery matrix to determine if adjustments should be made for revenue sufficiency, affordability, and to recalibrate cost allocations based on the updated units of service within each utility. We will dive into these critical issues as we design rates and develop a sound, logical rate structure that is cost-based through a systematic approach with staff.

The comprehensive consumption analysis of District customers will determine how usage trends have changed since the previous study as well as the peaking characteristics of each customer type. As part of this task, we will perform sensitivity analysis with any potential changes to the rate structures. Any change to the rate structure could also impact revenue stability and we will identify the percent of revenue expected to be recovered from fixed charges and commodity rates, separated by customer class and tier. Expenses will be summarized based on functional categories and allocated to cost components to show the make-up of the proposed fixed charges and commodity rates, including tiers. With the completion of the initial cost of service and rate analysis, we will walk staff through the rate analysis of each utility model.

The result will clearly and succinctly show the cost components that make up the rates and their percentage of total charges. As part of developing proposed rates, we will meet with the District's Finance Committee before the Rate Workshop.

**Meetings:** 3 webinars with staff to review and discuss the cost of service and rate analysis: One per utility model. One (1) in-person meeting with District's Finance Committee.

**Deliverable:** Complete Utility Rate Models, PowerPoint summary of models, and meeting minutes.

**Project Management:** We will develop the initial cost of service analysis and design rates based on the initial framework developed in Task 1. Webinars will be held to walk-through the models as part of our ongoing collaboration, discuss how revenue requirements connect to the cost-of-service and proposed rates and determine rate alternatives for consideration.

**Staff Impact:** Periodic conference calls to discuss additional data needs and webinars to walk-through rate model and rate alternatives. One (1) in-person meeting with District's Finance Committee.

#### **TASK 4: RATE WORKSHOP**

With the proposed rates completed and thoroughly discussed with staff, we will host a Rate Workshop with the Board. Rate alternatives and corresponding customer impacts for each utility will be discussed for each utility. The customer impact analysis will show various results including the impact to customer bills, percent revenue recovery between fixed/variable, and the financial responsibility of each customer class when compared to current revenue recovery.

This interconnection between rates and impacts at the customer class level and account level will provide insight into how the different rate alternative options impact customers. It will also provide results on the financial outlook of each utility and how revenue recovery shifts between fixed versus variable and degree of revenue volatility. However, just because the rate models are fully functioning doesn't mean our job is done. A vital aspect of developing rates is to work within the legal framework to maintain compliance while making refinements that are acceptable to the District Board and the community.

**Meetings:** Rate Workshop to discuss the proposed rates and alternatives.

**Deliverable:** Presentation material and rate models.

**Project Management:** Obtain District Board feedback on proposed rates, make necessary adjustments while maintaining compliance with Proposition 218 and Proposition 26.

**Staff Impact:** Review and discuss presentation material and attend Rate Workshop.

## **TASK 5: RATE STUDY REPORTS**

Once the analysis is completed and rates finalized, we will draft a cost of service report in compliance with Proposition 218 and Proposition 26 to serve as part of the administrative record for each utility. Our report will document assumptions, describe the methodology, and walk the reader through the underlying calculations that derive the updated utility rates for each enterprise. We will also include an executive summary highlighting the primary drivers of any necessary revenue adjustments, financial plan review, and corresponding rates. We expect two iterations of the report to incorporate edits and comments from the District and the District Attorney. The final report will be prepared and available as part of the noticing requirements and Public Hearing.

**Meetings:** Conference calls as needed to finalize report.

**Deliverable:** Preliminary report and final report.

**Project Management:** Draft reports and a final report will be provided to the District. As part of the project management for this task, Habib will prepare the report with Andrea providing peer review. We expect a week for District review and another week for District Attorney. We will address all comments and edits as part of finalizing the report.

**Staff Impact:** Review report and provide any edits and comments for inclusion within the final report.

## **TASK 6: PUBLIC HEARING**

We will review the Proposition 218 Notice to ensure it ties to our analysis and Report. We will provide any rate tables requested and incorporate graphics showing customer impacts. We will also be in attendance at the Public Hearing to answer any technical questions and we will provide a brief PowerPoint presentation, if desired, summarizing the Report, our findings, and proposed rates.

**Meetings:** One (1) meeting to attend Public Hearing.

**Deliverable:** PowerPoint, if necessary.

**Project Management:** Report will be provided as "Final" for the Public Hearing and if a majority protest does not exist, the Report may be adopted as final.

**Staff Impact:** N/A



## **TASK 7: CAPACITY FEES**

Concurrently with the updated financial plan and rates, capacity charges will also be reviewed and updated for Water, Wastewater, and Recycled. Capacity charges are one-time charges levied against new connections to recover the proportionate share of infrastructure capacity that is needed to serve new development or the change/expansion of existing development causing an increase in the required capacity to serve the incremental demand. Capacity charges are governed by California Government Code Section 66013 and must also comply with the provisions of sections 66016, 66022 and 66023 for adopting fees and ongoing administration of such fees.

The primary intent of capacity fees is to ensure growth pays its fair share of cost, and existing customers are not subsidizing the cost to accommodate new connections. Conversely, it is also equally important that any existing deficiencies with the current system are not inadvertently incorporated into the capacity fees. There are commonly accepted industry standards for establishing and updating capacity fees published within the American Water Works Association (AWWA) M1 Manual. The two primary methods include the buy-in method and the incremental cost method. Through the course of the study, we will evaluate the two common approaches and determine which methodology should be utilized for updating fees.

The capacity fee analysis will include modeling each of the two capacity fee methodologies to determine the most optimal approach to utilize for the capacity fee update. We will begin using the buy-in approach, which incorporates the original asset values and brings it forward to today's dollars (Replacement Cost or RC). This calculation will account for the time each improvement has been in service to appropriately discount the Replacement Cost of each system by the years of service the system has been in place. Doing so provides a more accurate fair share allocation to new development for existing capacity. The premise of the buy-in approach is for new development to pay its share of previously built improvements funded by existing customers or financed through proceeds from existing debt instruments.

The Incremental Method requires a detailed system master plan that identifies which proposed improvements are for ongoing repair and replacement and which improvements are for accommodating growth. There will also be instances where certain improvements benefit both existing and new development. Such facilities are typically shown within a master plan with a percentage split between existing and growth. As we work through the capacity fee update, there may be other improvements to include within the Incremental Method or captured separately through a development agreement with a developer/builder on a case-by-case basis.

Once the analysis is complete and final fees have been determined, we will draft a capacity fee report in compliance with the corresponding Government Code statutes for the administrative record. Similar to the utility rate studies, our report will document all assumptions, describe the methodology, and walk the reader through the underlying calculations that derive the updated capacity fees. We expect two iterations of the report to incorporate edits and comments from the staff and attorney. The final report will be prepared and available as part of the noticing requirements and Public Hearing. Noticing includes the publication of the proposed Public Hearing in a locally circulated newspaper as required within Government Code Section 66016

**Meetings:** Conference calls and webinars to review methodology and finalize capacity fees.

**Deliverable:** Capacity fee model and capacity fee report.

**Project Management:** We will develop and complete capacity fee update concurrently with utility rate studies

**Staff Impact:** Provide necessary data, identify new capital improvements required to accommodate growth, and review updated fees and report.

# Cost Estimate

Below is our not-to-exceed cost estimate for the scope of services outlined herein. We will bill monthly based on our hourly rates and travel expenses. Travel expenses for meetings are estimated and listed separately. In addition, the cost for printing and mailing the Proposition 218 notices are not included as part of the cost estimate provided below. We will work with staff to adjust the fee schedule if any changes to the detailed scope or number of meetings are requested.

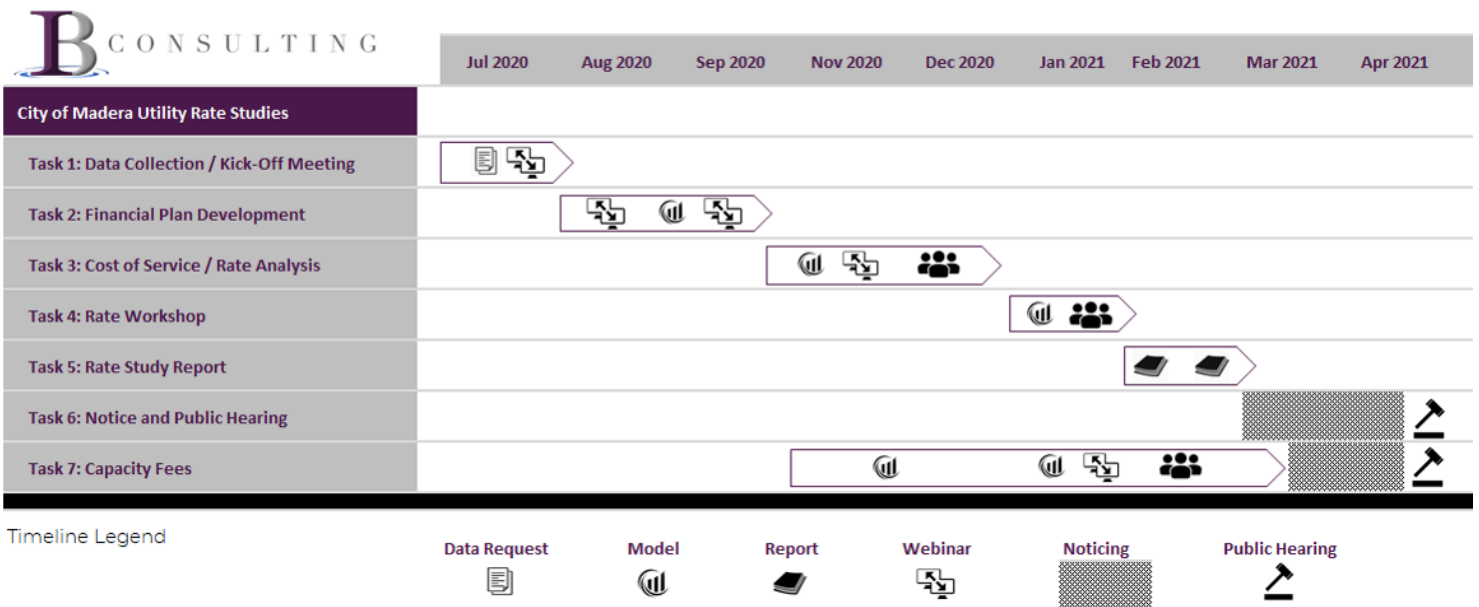
Task	Description	H. Isaac Principal	A. Boehling Principal	Estimated Hours	Hourly Rate	Estimated Cost
1	Data Collection and Kick-Off Meeting	16	16	32	\$195	\$6,240
2	Financial Plan Development	60	80	140	\$195	\$27,300
3	Cost of Service / Rate Analysis	48	48	96	\$195	\$18,720
4	Rate Workshop	32	16	48	\$195	\$9,360
5	Rate Study Reports	60	40	100	\$195	\$19,500
6	Public Hearing	16	4	20	\$195	\$3,900
7	Capacity Fees	80	80	160	\$195	\$31,200
Hourly Costs		312	284	596		\$116,220
Travel Expenses for 3 Meetings						\$265
<b>Utility Rate Studies and Capacity Fees</b>						<b>\$116,485</b>





# Project Schedule

Below is our recommended timeline for a complete cost of service studies and capacity fees.





*Established in 1965*

**Project Name:** Flow EQ Cover Replacement

Project Department: Sewer

CIP Project No.: S-1-2020

**Total Project Cost:** \$ 470,000

**Project Description:**

The SBR's drain secondary treated water to the FEBs at a very high rate of flow. This treated water is stored in three interconnected basins to allow us to "equalize" the flow to our Tertiary Sand Filters. These basins were covered when the WRF was constructed in 1990.

The covers are beyond their life and are falling apart. The basins need to be covered so algae does not grow in the water prior to sending through the sand filter system. Algae prematurely plugs the sand filters and has a high chlorine demand for disinfection.

**Budget Summary by Phase :**

Phase	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22--23	Total
Study and Planning						\$ -
Design						\$ -
Permitting						\$ -
Construction			\$ 470,000			\$ 470,000
<b>TOTALS</b>			\$ 470,000			\$ 470,000

**Project Schedule Summary by Phase:**

Study and Planning					
Design					
Permitting					
Construction					

**Funding Source**

Sewer Fund		\$ 470,000			\$ 470,000
Potable Water Fund					\$ -
Recycled Water Fund					\$ -



*Established in 1965*

**Project Name:** New Sludge Loader  
**Project Department:** Sewer  
**CIP Project No.:** S-2-2020  
**Total Project Cost:** \$ 180,000

**Project Description:**

Sludge is dried three ways at the WRF. First, we fill each Sludge Bed up and the water percolates back to the headworks. Second, we fill large geomembrane bags with liquid sludge and the bags trap the solids and the water exits the bag. Each bag is then broken open and the sludge is dried on an asphalt pad and placed in large conveyor end dumps. Third, we centrifuge the sludge and then place it on the asphalt pad for further drying. Each process requires us to move, spread and ultimately transfer partially dried sludge into the large conveyer end dumps.

Our loader is 20 years old and continuously falling apart and cannot be relied on. The loader is also too small to reach over the end dump walls and is dangerous to the operator.

**Budget Summary by Phase :**

Phase	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22--23	Total
Study and Planning						\$ -
Design						\$ -
Permitting						\$ -
Construction			\$ 180,000			\$ 180,000
<b>TOTALS</b>			\$ 180,000			\$ 180,000

**Project Schedule Summary by Phase:**

Study and Planning					
Design					
Permitting					
Construction					

**Funding Source**

Sewer Fund			\$ 180,000			\$ 180,000
Potable Water Fund						\$ -
Recycled Water Fund						\$ -





*Established in 1965*

**Project Name:** New Headworks Screen/Rake

Project Department: Sewer

CIP Project No.: S-3-2020

**Total Project Cost: \$ 200,000**

**Project Description:**

The existing influent rake/ screen is completely worn out after 24 years on the job. This equipment runs 24/7/365 and is essential to the treatment process. If rags make to past the screen - the SBRs and pumps clog and the treated water quality is affected. We have spent money and staff resources continuously fixing the existing unit and it now appears that even the steel rails are worn out. We are currently using our spare climbing screen and need to replace the rake screen.

**Budget Summary by Phase :**

Phase	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22--23	Total
Study and Planning						\$ -
Design			\$ 5,000			\$ 5,000
Procurment			\$ 150,000			\$ 150,000
Installation			\$ 45,000			\$ 45,000
<b>TOTALS</b>			\$ 200,000	\$ -	\$ -	\$ 200,000

**Project Schedule Summary by Phase:**

Study and Planning					
Design					
Procurment					
Installation					

**Funding Source**

Sewer Fund		\$ 200,000			\$ 200,000
Potable Water Fund					\$ -
Recycled Water Fund					\$ -



*Established in 1965*

**Project Name: Reservoir Management Systems**

Project Department: Water

CIP Project No.: W-1-2020

**Total Project Cost: \$ 100,000**

**Project Description:**

The State Water Resource Control Board – Drinking Water Division requires the District to maintain a minimum residual in the domestic water system, including the tanks. Tank water is typically difficult to keep at minimum residual unless you cycle the tank down to a level that is problematic if our source of supply is interrupted. We also are required to minimize the Disinfection Byproducts created by high residual. Reservoir Management Systems can be as simple as a mixing system or more complicated by mixing and adding disinfection to the tank water. We request adding mixing systems to four tanks, Wildrose, Trilogy, Sycamore Creek and Retreat.

**Budget Summary by Phase :**

Phase	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22--23	Total
Study and Planning						\$ -
Design						\$ -
Permitting						\$ -
Construction			\$ 100,000			\$ 100,000
<b>TOTALS</b>			\$ 100,000			\$ 100,000

**Project Schedule Summary by Phase:**

Study and Planning					
Design					
Permitting					
Construction					

**Funding Source**

Sewer Fund					\$ -
Potable Water Fund			\$ 100,000		\$ 100,000
Recycled Water Fund					\$ -





*Established in 1965*

**Project Name:** Potable Water Looping  
**Project Department:** Water  
**CIP Project No.:** W-2-2019  
**Total Project Cost:** \$ 960,000

**Project Description:**

The District has completed the update to the Potable Water Master Plan. This document provides documentation of the existing facilities and future planned facilities. A Water Model is created that allows staff to run scenarios for future demands, supply restrictions and pipeline breaks. Since certain tanks are designed to float together, when you close a valve to simulate a pipeline break, the Model reveals looping deficiencies that do not allow the tanks to fill and draw evenly. Two pipeline extensions are recommended for looping redundancy and operational efficiency. Forest Boundary Loop and Knabe connection.

**Budget Summary by Phase :**

Phase	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22--23	Total
Study and Planning	\$ 30,000					\$ 30,000
Design		\$ 45,000				\$ 45,000
Permitting		\$ 10,000				\$ 10,000
Construction		\$ 375,000	\$ 500,000			\$ 875,000
<b>TOTALS</b>	<b>\$ 30,000</b>	<b>\$ 430,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 960,000</b>

**Project Schedule Summary by Phase:**

Study and Planning					
Design					
Permitting					
Construction					

**Funding Source**

Sewer Fund					\$ -
Potable Water Fund	\$ 30,000	\$ 430,000	\$ 500,000		\$ 960,000
Recycled Water Fund					\$ -



*Established in 1965*

**Project Name: Wildrose Reservoir Cathodic Protection System**

Project Department: Water

CIP Project No.: W-2-2020

**Total Project Cost: \$ 55,000**

**Project Description:**

The 2.8 MG Wildrose Potable Water tank is currently the largest tank on our 1320 HGL system. This is a steel tank and does not have a system to protect the tank from cathodic electrolysis of the steel shell, interior structure or coatings. Without this protection the tank can experience severe pitting of the interior steel and coating thus reducing the service life.

Cathodic Protection systems protect and extend the life of steel tanks.

**Budget Summary by Phase :**

Phase	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22--23	Total
Study and Planning						\$ -
Design			\$ 25,000			\$ 25,000
Permitting						\$ -
Construction			\$ 30,000			\$ 30,000
<b>TOTALS</b>			\$ 55,000	\$ -	\$ -	\$ 55,000

**Project Schedule Summary by Phase:**

Study and Planning					
Design					
Permitting					
Construction					

**Funding Source**

Sewer Fund					\$ -
Potable Water Fund			\$ 55,000		\$ 55,000
Recycled Water Fund					\$ -



*Established in 1965*

**Project Name:** Temescal Water Company Potable Water System  
**Project Department:** Potable Water  
**CIP Project No.:** W-3-2020  
**Total Project Cost:** \$ 25,000

**Project Description:**

Elsinore Valley Water District owns and operates the Temescal Water Company (TWC) Potable Water system within the District's Boundary. The TWC serves California Meadows, Butterfield Estates, some of the mining operations, Glen Ivy Trailer Park and the Lawson/Hunt road area. The District provides sewer service to California Meadows and Butterfield Estates. EVMWD has proposed that the District look into acquiring the TWC assets and providing service to those customers. There are many questions such as integration of infrastructure, cost of system maintenance and revenue generation. we have completed the infrastructure study and need to look at revenue and value of depreciated assets.

**Budget Summary by Phase :**

Phase	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22--23	Total
Study and Planning			\$ 25,000.0			\$ 25,000
Design			\$ -			\$ -
Procurment			\$ -			\$ -
Installation			\$ -			\$ -
<b>TOTALS</b>			\$ 25,000	\$ -	\$ -	\$ 25,000

**Project Schedule Summary by Phase:**

Study and Planning					
Design					
Procurment					
Installation					

**Funding Source**

Sewer Fund					\$ -
Potable Water Fund			\$ 25,000		\$ 25,000
Recycled Water Fund					\$ -



**B**CONSULTING

## Solutions through Collaboration

Temescal Valley Water District

Submittal Date:

May 27, 2020



# About Us



IB Consulting, LLC (IB Consulting) is a recently formed public consulting firm located in Temecula, California and is a certified Women Business Enterprise / Minority Business Enterprise (WMBE) with Supplier Clearinghouse. As co-founders of the firm and leading experts in the utility rate industry, Habib Isaac and Andrea Boehling have specialized in the public finance consulting sector for 17 years and 13 years, respectively. Collectively, we have assisted hundreds of cities and special districts throughout California with financial planning, utility rate development, fiscal impact analysis, impact fees as well as the formation of dedicated funding mechanisms, such as assessments, standby charges, and special taxes.

Our mission is to establish long-term relationships with clients and provide ongoing consulting services that extend beyond a specific project and spans multiple financial service needs. Whether the work involves a utility rate study, capacity fee update, or the formation of a new special tax or assessment, these projects contribute to the overall strategic objectives of the agency and influence other initiatives. Our approach focuses on only working with a handful of municipalities concurrently to ensure our services generate tailored deliverables and quick responsiveness to all correspondence. Focusing on only a few clients allows a “hands-on” approach to projects, fosters more thoughtful discussions, ensures we are available when needed, and generates viable solutions for consideration by staff and elected officials. We aim to collaborate with our clients on multiple fronts to develop a holistic understanding of the various policy decisions facing our clients. With this underlying approach to our consulting practice, we encourage our clients to connect with us to obtain our perspective whenever needed, and we will provide insightful solutions from our industry experiences.

Habib Isaac - Principal | Managing Partner  
319838 Temecula Parkway, Suite A #350  
Temecula, CA. 92592  
951-595-9354

Andrea Boehling - Principal | Managing Partner  
319838 Temecula Parkway, Suite A #350  
Temecula, CA. 92592  
615-870-9371



# Meet Our Team



**Habib Isaac**

**PRINCIPAL | MANAGING PARTNER**



**Andrea Boehling**

**PRINCIPAL | MANAGING PARTNER**

Habib and Andrea will work in concert with staff to prepare a framework outlining the overall approach, develop a fiscal impact analysis, deliberate on policy decisions, facilitate all meetings and workshops, and prepare a final technical memorandum with a key focus on quality.

Habib and Andrea have been working in tandem for over eight years and have over 30 years of combined experience. They have completed more than 50 utility rate studies throughout California, where Habib and Andrea were the primary contacts for each project. With their unique skillsets complementing one another, forming their consulting practice was a natural progression in their careers. Both are managing partners of the firm and, for this engagement, staff will benefit from two seasoned utility rate experts as a resource for all financial-related matters. Habib and Andrea will both be intimately involved with all aspects of the project and deliverables. They have worked for many agencies throughout California with a list of recent clients listed below:

- East Valley Water District (water / wastewater);
- Elsinore Valley MWD (water / wastewater);
- Helix Water District (water);
- Rainbow MWD (water);
- City of Galt (water, wastewater);
- City of Roseville (water / wastewater / solid waste);
- City of Livermore (water / wastewater);
- Delta Diablo (wastewater);
- Citrus Heights Water District (water);
- Sacramento Suburban Water District (water);

# Scope of Services

Temescal Valley Water District (TVWD) and Elsinore Valley Municipal Water District (EVMWD) are considering entering into an agreement for the acquisition of certain facilities. IB Consulting has been engaged to provide an independent fiscal impact analysis in connection with this potential acquisition. We intend to meet with each district separately and collectively through a number of scheduled workshops. The detailed scope below addresses the proposed tasks and are listed in chronological order with how we envision working through the fiscal impact analysis.

## **TASK 1: DATA COLLECTION AND KICK-OFF MEETING**

As part of project initiation, we will hold kick-off meetings with each district, separately, to discuss the overall approach to the project, review data needs from district, and gain an understanding of executive staff's perspective on the potential annexation. To ensure a productive kick-off webinar, we will first provide a data request of the items required for the study. Ideally, the kick-off meetings will occur two weeks after the data request is submitted to allow for compiling and reviewing data in preparation for the meeting. During our meetings, we will discuss any clarifying questions we have regarding data received.

**Meetings:** Two (2) kick-off meetings (1 per district) to discuss the data needs and overall approach of the study.

**Deliverable:** Data request, PowerPoint for kick-off discussion and meeting minutes.

## **TASK 2: COST OF PROVIDING SERVICE**

The cost of service analysis will identify existing assets and categorize them by function. We will derive an asset valuation of the proposed capital acquisition by using a buy-in approach, which incorporates the original cost of the assets in question and brings them forward to today's dollars (Replacement Cost or RC) using Engineer's News Record (ENR) Construction Cost Index (CCI). This calculation will account for the time each improvement has been in service to appropriately discount the Replacement Cost by the years of depreciation. Doing so provides a more accurate valuation of the assets. In addition to capital, ongoing annual maintenance costs will be provided as a range between the current annual depreciation based on book value and annual depreciation at derived Replacement Cost.

There may also be appurtenant facilities required to connect the existing capital acquisition and related service area to TVWD's water system. If so, these capital costs will also be identified and listed separately. Lastly, a pro rata share of labor costs and overhead will be incorporated as part of overall cost to provide service.

**Meetings:** As needed conference calls to discuss any clarifying questions or additional data needs.

**Deliverable:** N/A.

### **TASK 3: FISCAL IMPACT ANALYSIS**

With the development of current asset values and labor & maintenance costs developed in Task 2, a long-term financial plan and fiscal impact analysis will be developed to evaluate the long-term revenue needed to maintain the system. We will review the revenue requirements to ensure all costs are captured, including any reserves. The revenue requirements will be projected over a 30-year planning period to determine revenue needs over the long-term.

Expenses will also be projected over the planning period and will incorporate separate inflationary categories including, but not limited to, salaries, benefits, pumping (if applicable), and treatment costs. These inflationary adjustments will be included as a pull-down menu for staff to select on a line item basis within the expenditure listing.

The fiscal impact analysis will include an infographic interface (Financial Dashboard) created with the end-user in mind. We will evaluate the fiscal impacts based on TVWD existing rates and determine the appropriate rates required to recover all costs identified in Task 2. The Financial Dashboard will be used to determine whether the cost of providing service generates a positive or negative fiscal impact over a certain time period agreed upon between TVWD and EVMWD. If a negative fiscal impact exists, the amount of additional revenue needed to negate the shortfall will be determined.

**Meetings:** Conference calls and webinars as needed with districts to review revenue requirements.

**Deliverable:** Fiscal impact analysis model.

### **TASK 4: WORKSHOPS WITH DISTRICTS**

With the fiscal impact analysis model completed, we will host a number of workshops to walk executive staff from each district through our assumptions, fiscal impact analysis, and results. We intend to meet separately with TVWD staff and EVMWD staff to determine if certain assumptions should be adjusted that generate different scenarios to model for consideration and discussion. Once refinements are made to the model from the two meetings, we will hold a final workshop to present the final fiscal impacts.

**Meetings:** Working study sessions with district staff. One (1) workshop with TVWD Staff, one (1) workshop with EVMWD Staff, and one (1) workshop with both districts after any final refinements.

**Deliverable:** PowerPoints and final fiscal impact analysis model.



## **TASK 5: TECHNICAL MEMORANDUM OF FINDINGS**

Based on our analysis and workshops with districts, we will draft a technical memorandum documenting the results of the fiscal impact analysis. The memorandum will include key assumptions, financial needs, and document our independent findings.

**Meetings:** Conference calls as needed to finalize technical memorandum and attendance at a Board Meeting for each district.

**Deliverable:** Preliminary memorandum and final memorandum.

# Cost Estimate

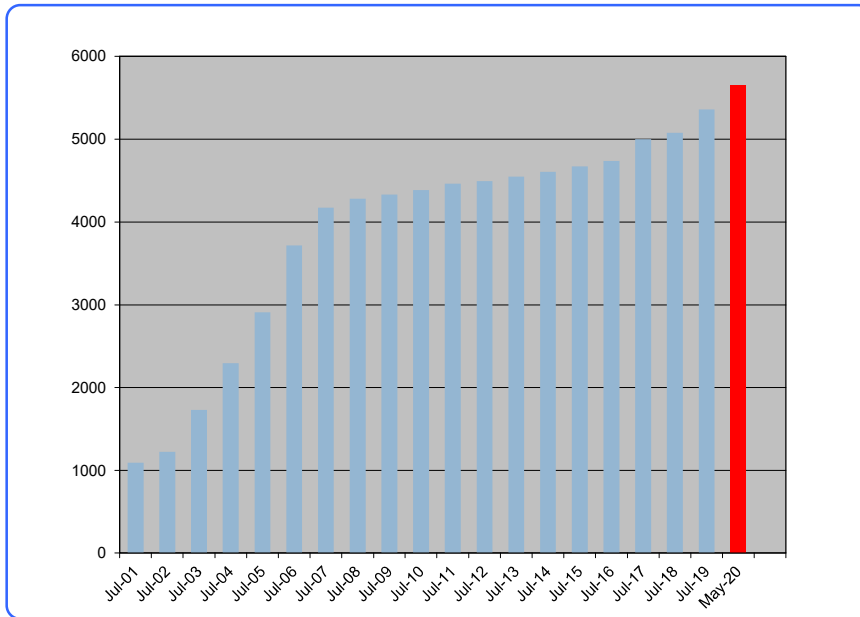
Below is our not-to-exceed cost estimate for the scope of services outlined herein. We will bill monthly based on our hourly rates and travel expenses. Travel expenses for meetings are estimated and listed separately. We will work with staff to adjust the fee schedule if any changes to the detailed scope or number of meetings are requested.

Task	Description	H. Isaac Principal	A. Boehling Principal	Estimated Hours	Hourly Rate	Estimated Cost
1	Data Collection and Kick-Off Meeting	8	8	16	\$195	\$3,120
2	Cost of Providing Service	8	8	16	\$195	\$3,120
3	Fiscal Impact Analysis	16	24	40	\$195	\$7,800
4	Workshops with Districts	16	16	32	\$195	\$6,240
5	Technical Memorandum of Findings	16	4	20	\$195	\$3,900
Hourly Costs		64	60	124		<b>\$24,180</b>
Travel Expenses for 7 Meetings						\$618
<b>Utility Rate Studies and Capacity Fees</b>						<b>\$24,798</b>



**TEMESCAL VALLEY WATER DISTRICT  
CUSTOMER COUNT PER YEAR(RESIDENTIAL)**  
(Excludes SID#1 and SID#2 sewer customers)

DATE	Jul-01	Jul-02	Jul-03	Jul-04	Jul-05	Jul-06	Jul-07	Jul-08	Jul-09	Jul-10	Jul-11	Jul-12	Jul-13	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	May-20
CUSTOMERS	1090	1223	1729	2295	2910	3718	4173	4279	4332	4386	4463	4492	4547	4605	4670	4736	5000	5076	5358	5647



RESIDENTIAL	Total Homes	Completed Homes	
Wildrose Ranch	1043	1043	100%
Trilogy at Glen Ivy	1317	1317	100%
Painted Hills	204	204	100%
Canyon Oaks	26	26	100%
Montecito Ranch	306	306	100%
Sycamore Creek	1735	1705	98%
The Retreat	525	525	100%
Terramor	1443	497	34% 15 MODELS
Harmony Grove	50	24	48%
	<u>6649</u>	<u>5647</u>	85%

**TOTAL CUSTOMER COUNT REPORT**  
**May 31, 2020**

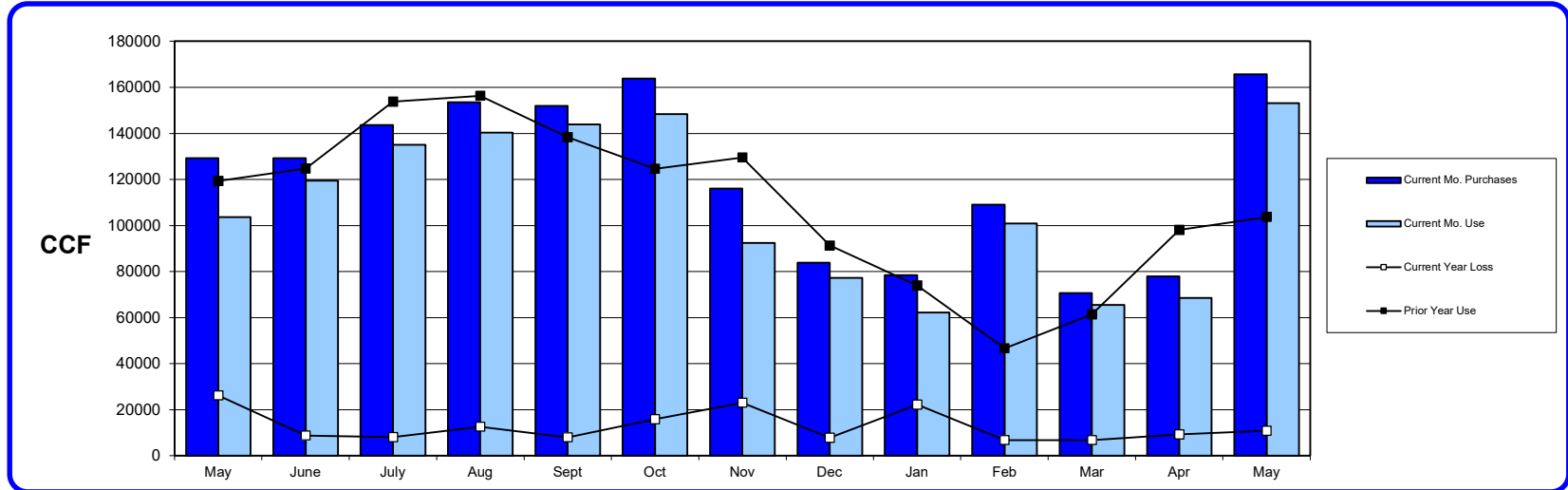
	Water & Sewer	Water Only	Sewer Only	Count
New homes added 30 Accts closed/transf 49 Empty Homes 1			Butterfield (305) Calif. Meadows (345)	
Residential	5600	2	650	6252
Commercial	69	0	2	71
Commercial-fireheld inactive	41			41
Public Govt	4	1	0	5
Irrigation-Industrial	0	69	0	69
Non-Potable Water other	0	156	0	156
Construction-Bulk Sales	0	21	0	21
<b>Total Active Customers</b>	<b>5714</b>	<b>249</b>	<b>652</b>	<b>6615</b>

**DELINQUENT REPORT**

Meters Read - Customers Billed	<b>5922</b>	
Received Delinquent Notice on current bill	375	6.33%
Turned Off for lack of payment	0	0.00%
Customers turned back on, amount paid	0	0.00%

## WATER USAGE REPORT FOR THIRTEEN MONTHS

	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	TOTAL
Beg Water Levels	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	
Ending Water Levels	8895	9746	10279	10771	10908	10430	11025	9761	11884	13221	9749	9832	11457	
Cur Yearly Purchases	129147	129147	143604	153486	151898	163770	116068	83803	78380	108992	70586	77875	165618	1572374
Cur Yr Monthly Use	103672	119497	134958	140366	143820	148423	92435	77239	62210	100925	65393	68501	153127	1410566
Prior Yr Monthly Use	119302	124735	153700	156286	138302	124684	129569	91254	73902	46657	61401	98045	103672	1421509

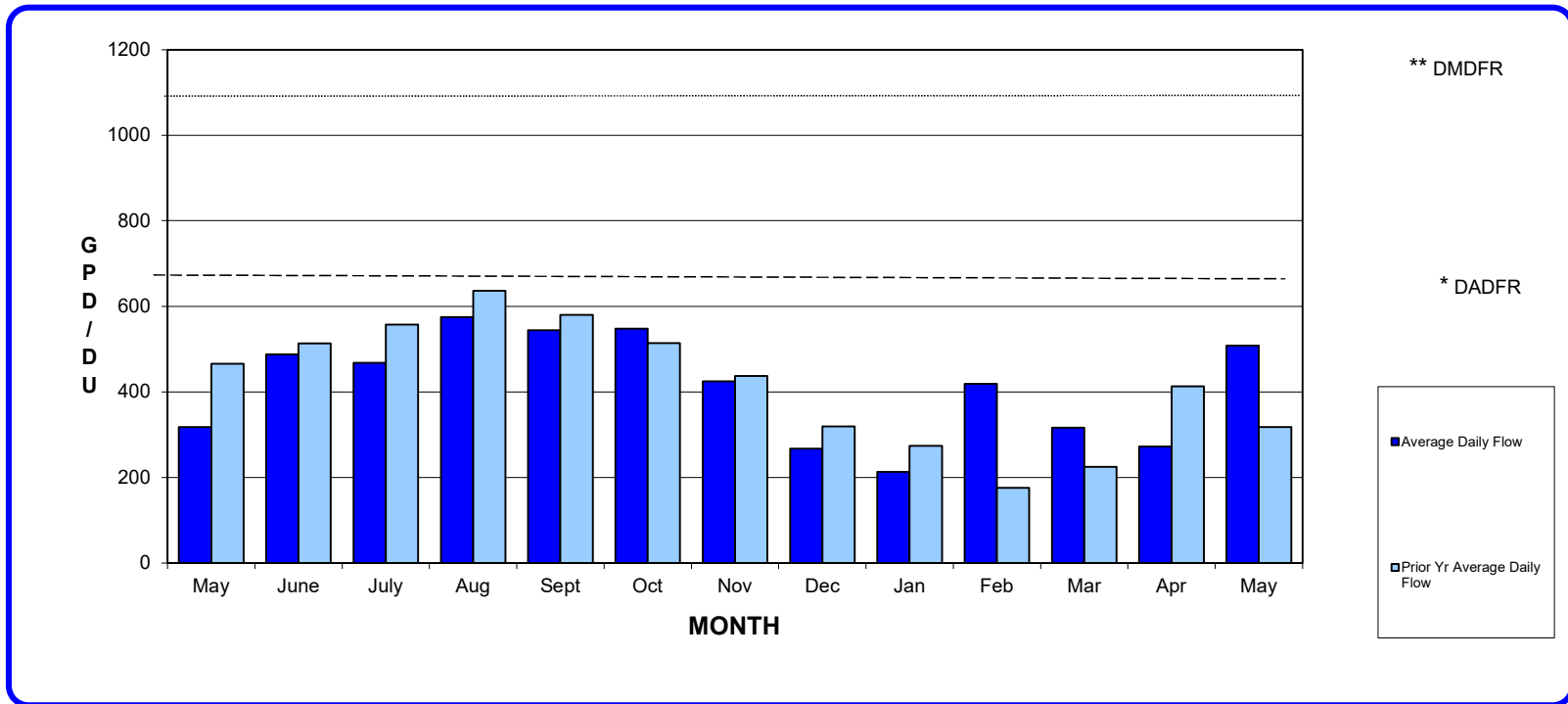


KEY
2017-2018
2018-2019
2019-2020

SUMMARY	CCF
Beginning Water in System	9628 CCF
Water Purchased in last 13 months	1572374 CCF
Water Used in last 13 months	1410566 CCF
Water Remaining in System	11457 CCF
(Loss)/Gain over last 13 months	(159979) CCF
	<b>-10.17%</b>

## RESIDENTIAL WATER USAGE AVERAGE DAILY FLOW (GALLONS per DAY per RESIDENTIAL UNIT CONNECTED)

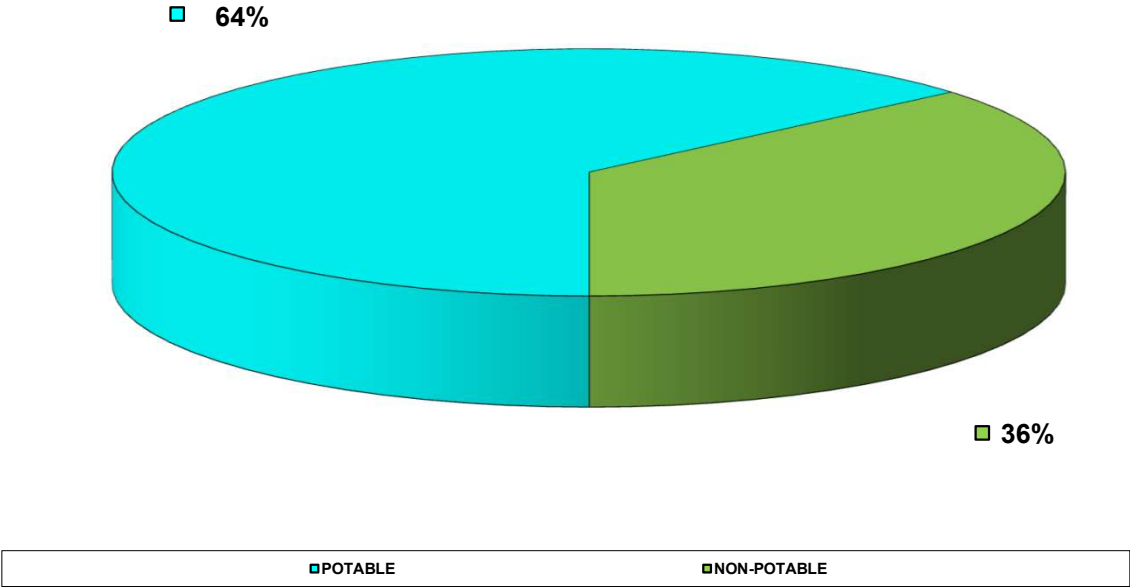
	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	YEARLY AVERAGE
Average Daily Flow	318	488	468	575	544	547	424	267	213	419	316	272	508	420
Prior Yr Average Daily Flow	466	513	557	636	580	514	437	319	274	176	225	413	318	414



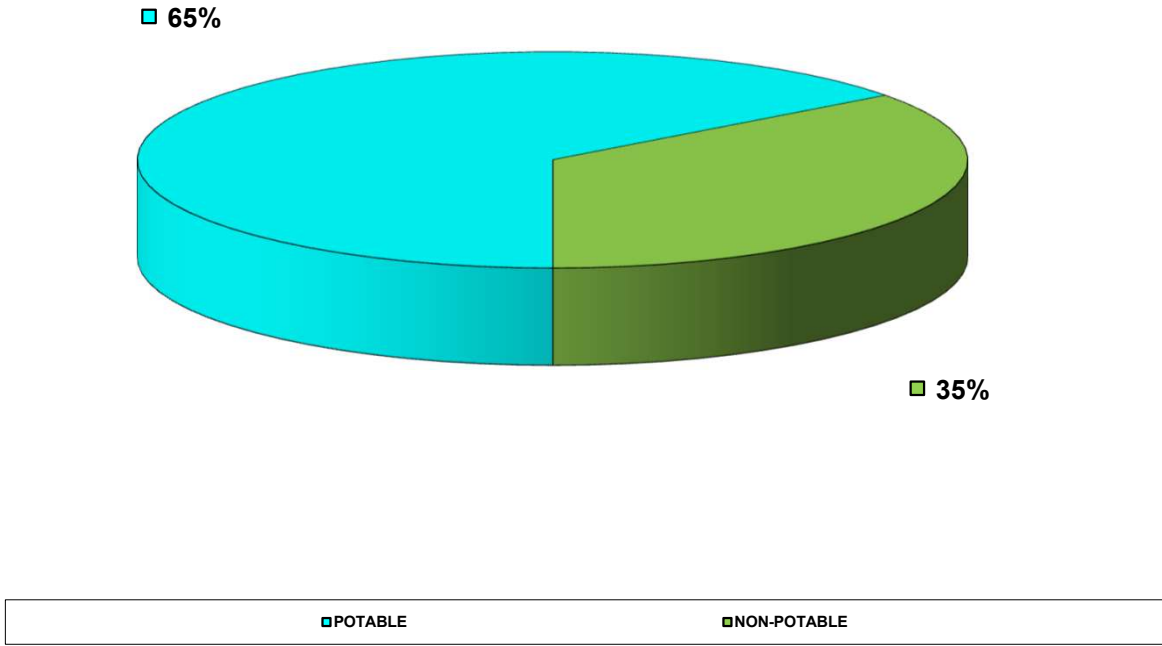
Key
2016-2017
2017-2018
2018-2019
2019-2020

\* DESIGN AVERAGE DAILY FLOW RATE IN GPD (650)  
 \*\* DESIGN MAXIMUM DAILY FLOW RATE IN GPD (1140)

**Temescal Valley Water District  
Volume of Water Sold  
For Eleven Months Ending May 31, 2020  
F/Y 2019-2020**

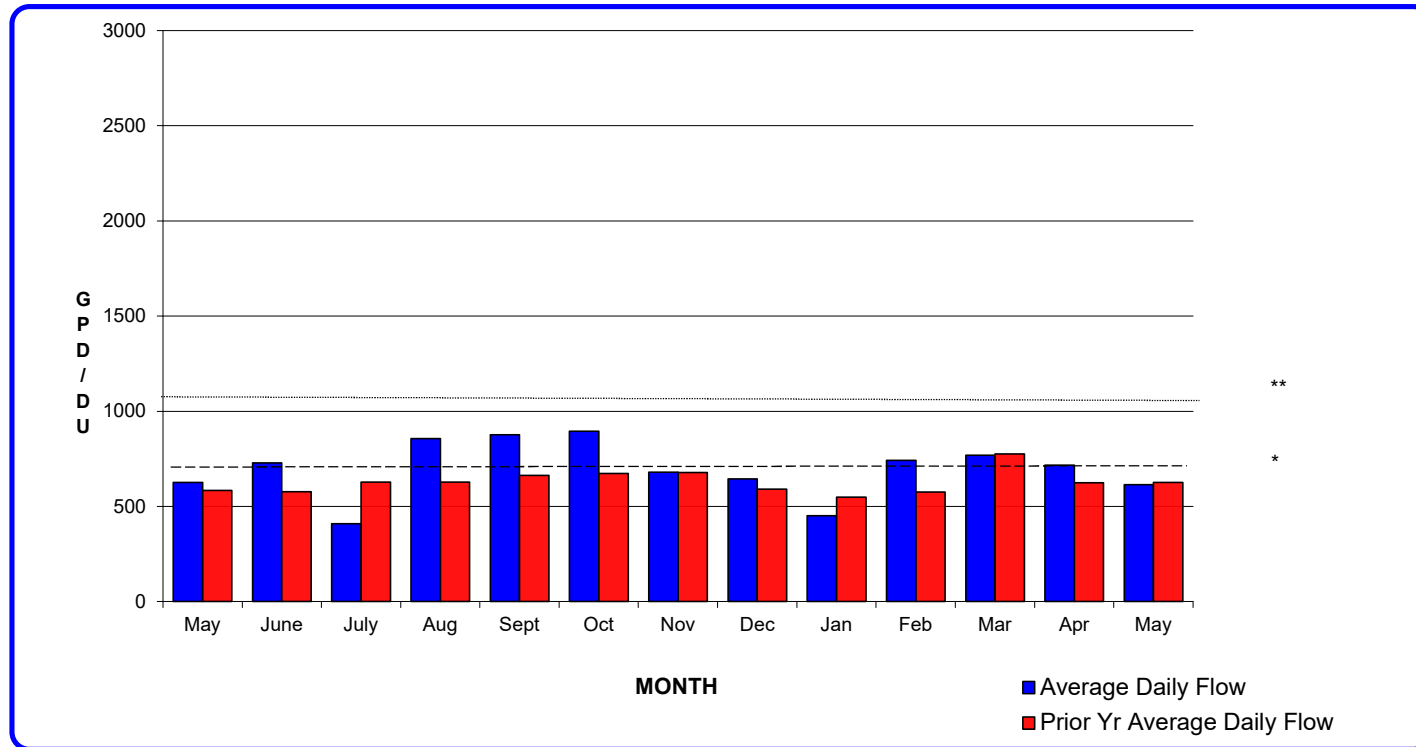


**Temescal Valley Water District  
Water Volume Sold  
For F/Y 2018-2019  
Twelve Months**



**COMMERCIAL WATER USAGE  
AVERAGE DAILY FLOW  
(GALLONS per DAY per COMMERCIAL DWELLING UNIT CONNECTED)**

	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	YEARLY AVERAGE
Average Daily Flow	626	729	408	856	877	896	679	644	451	742	769	717	615	699
Prior Yr Average Daily Flow	583	577	627	627	663	673	678	591	548	576	776	624	626	1084



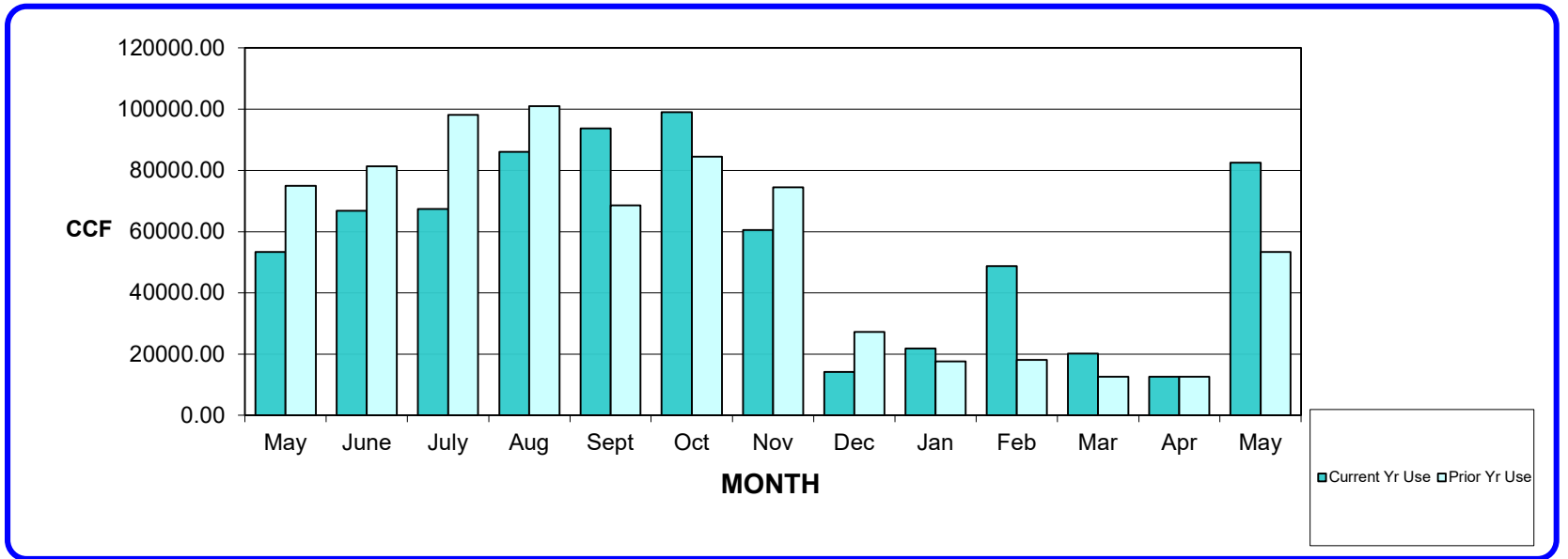
Key
2016-2017
2017-2018
2018-2019
2019-2020

- \* DESIGN AVERAGE DAILY FLOW RATE IN GPD (650)
- \*\* DESIGN MAXIMUM DAILY FLOW RATE IN GPD (1140)



## RECYCLED AND NON-POTABLE WELL WATER MONTHLY FLOW (ccf)

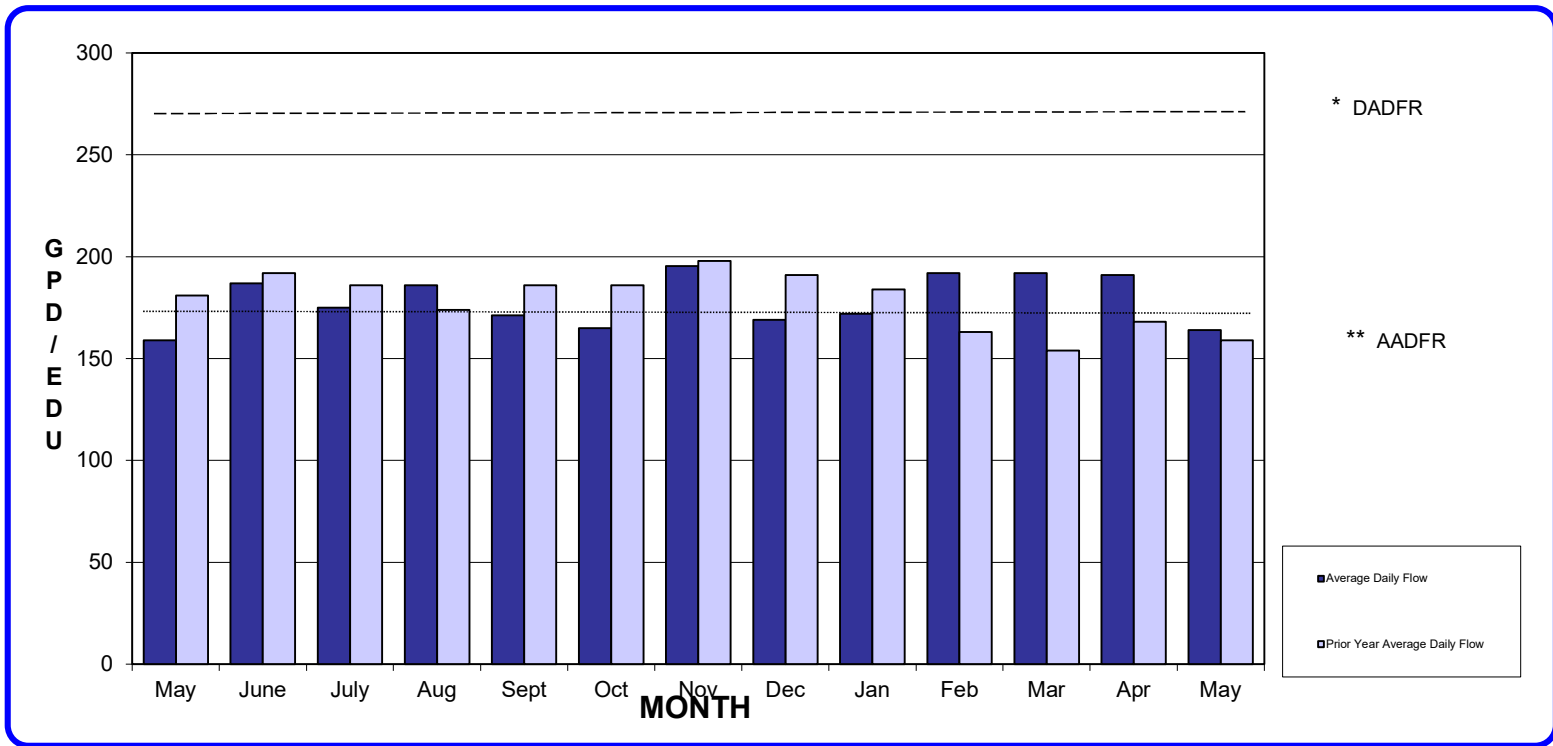
	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
<b>Current Yr Use</b>	53401.21	66847.21	67458.40	86056.00	93701.87	99015.59	60473.74	14232.16	21818.51	48679.88	20213.59	12552.04	82479.32
<b>Prior Yr Use</b>	74999.30	81380.55	98207.89	101012.78	68554.80	84552.12	74461.87	27296.00	17558.51	18076.74	12612.78	12612.78	53401.21
<b>Revenue</b>	\$143,871	\$179,818	\$181,463	\$186,783	\$234,758	\$256,161	\$185,101	\$62,123	\$57,630	\$122,436	\$71,529	\$68,209	\$223,629



Key
2017-2018
2018-2019
2019-2020

## RESIDENTIAL & COMMERCIAL SEWER USAGE AVERAGE DAILY FLOW (GALLONS per DAY per DWELLING UNIT)

	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	12-Month Average
Average Daily Flow	159	187	175	186	171	165	195	169	172	192	192	191	164	193
Prior Year Average Daily Flow	181	192	186	174	186	186	198	191	184	163	154	168	159	178



Key
2017-2018
2018-2019
2019-2020

\*\* ACTUAL AVERAGE DAILY FLOW RATE IN GPD

# RECLAMATION PLANT FLOW REPORT

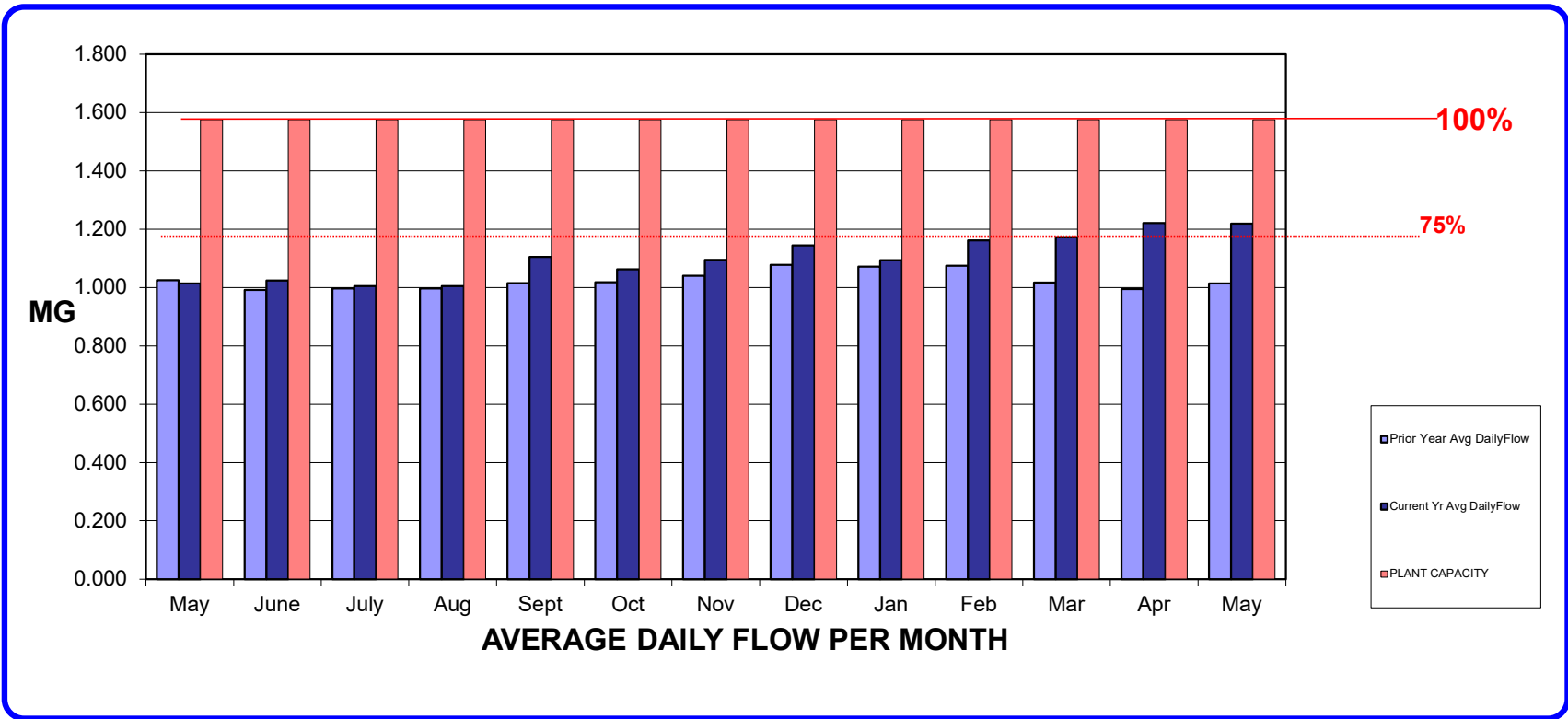
## AVERAGE DAILY FLOW (Million Gallons)

Key	
2017-2018	2018-2019
2019-2020	

Key	
2017-2018	2018-
2018	
2018-	

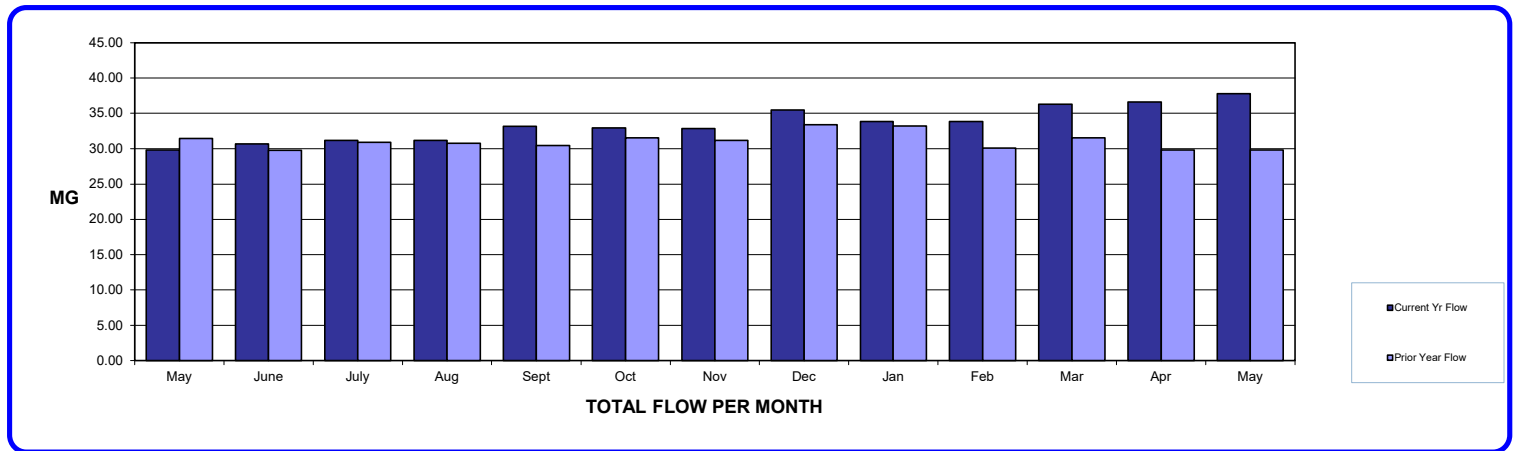
	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Current Yr Avg DailyFlow	1.0140	1.0240	1.0050	1.0050	1.1050	1.0620	1.0950	1.1440	1.0930	1.1610	1.1720	1.2210	1.2190
Prior Year Avg DailyFlow	1.0250	0.9920	0.9970	0.9970	1.0150	1.0180	1.0400	1.0770	1.0720	1.0750	1.0170	0.9940	1.0140

PLANT CAPACITY      1.575    1.575    1.575    1.575    1.575    1.575    1.575    1.575    1.575    1.575    1.575    1.575    1.575    1.575



## RECLAMATION PLANT DISCHARGE REPORT MONTHLY FLOW (Million Gallons)

	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total/yr
<b>Current Yr Flow</b>	29.82	30.71	31.17	31.16	33.15	32.92	32.84	35.47	33.87	33.87	36.30	36.65	37.78	405.88
<b>Prior Year Flow</b>	31.46	29.75	30.90	30.75	30.46	31.55	31.19	33.38	33.21	30.11	31.53	29.82	29.82	372.47
<b>Potential Revenue</b>	\$88,104	\$119,190	\$122,747	\$124,586	\$132,500	\$131,581	\$131,261	\$141,177	\$141,177	\$141,177	\$141,177	\$141,177	\$141,177	\$1,608,927

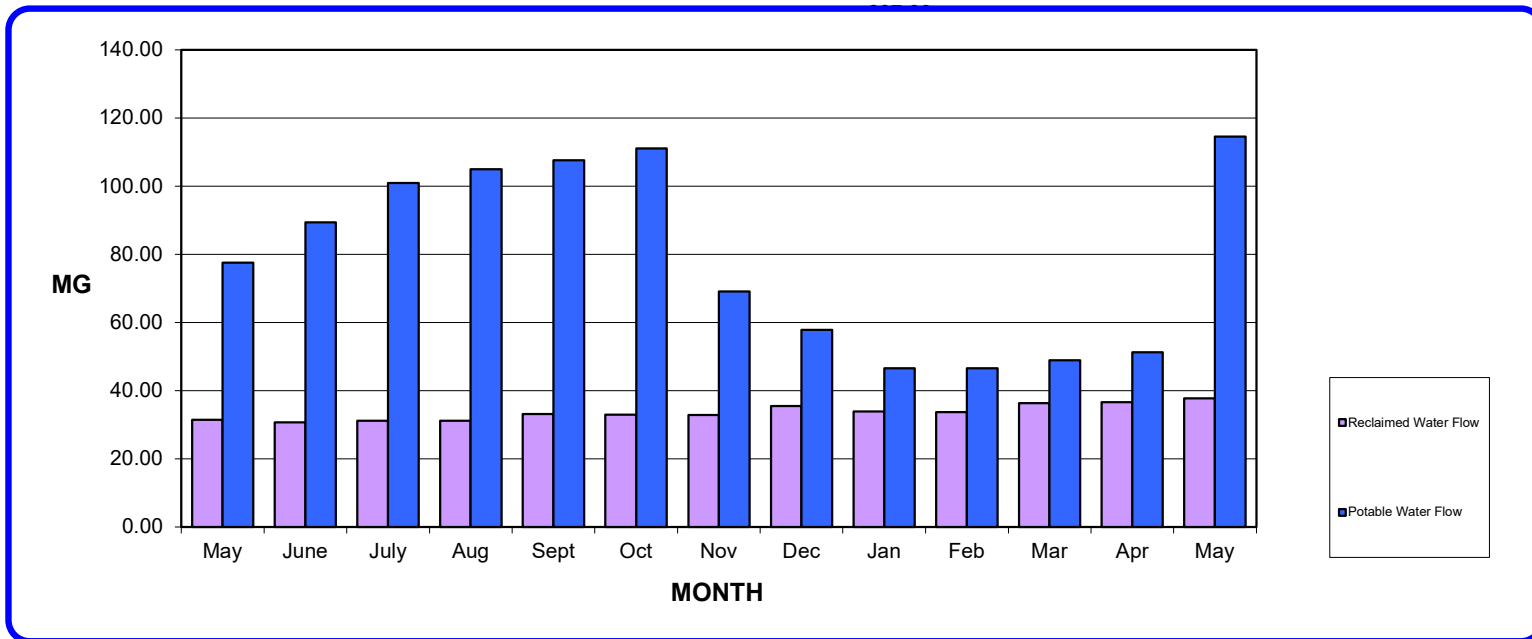


Key
2017-2018
2018-2019
2019-22020

Note - recycled water only

## RECLAIMED WATER VERSUS POTABLE WATER MONTHLY FLOW (Million Gallons)

	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
<b>No. of Sewer Dwelling Units Connected</b>	6298	6456	6456	6366	6371	6413	6423	6480	6463	6513	6512	6513	6583
<b>Reclaimed Water Flow</b>	31.43	30.71	31.17	31.16	33.15	32.92	32.84	35.47	33.87	33.68	36.30	36.65	37.78
<b>Potable Water Flow</b>	77.55	89.38	100.94	104.99	107.58	111.02	69.14	57.78	46.53	46.53	48.91	51.24	114.54



Month	Wildrose(2)	Montecito(3)	Trilogy(4)	Painted Hills(5)	Syc Crk(6)	Retreat(7)	Terramor(8)	Harmony Gr	Avg All Resid	AVG	TOTAL		
										IND-BK / IRR (1)	RECYCLED	NONPOT-Other	NONPOT-Trilogy Golf
<b>AVG '07-'08</b>	18.1	32.7	15.9	32.2	21.7	37.1	0.03	-	25.9	106.6			
<b>AVG '08-'09</b>	24.6	33.8	17.0	33.3	32.6	40.8	-	-	25.4	53.3			
<b>AVG '09-'10</b>	21.9	30.0	15.8	30.2	26.3	38.0	-	-	23.0	51.7			
<b>AVG '10-'11</b>	20.6	27.6	15.5	25.8	25.1	35.2	-	-	22.3	36.0			
<b>AVG '11-'12</b>	21.0	27.9	15.9	27.3	24.7	34.0	-	-	22.5	82.3			
<b>AVG '12-'13</b>	21.9	31.3	15.6	27.5	23.6	30.5	-	-	22.9	190.0			
<b>AVG '13-'14</b>	22.5	33.8	16.5	28.2	24.5	30.6	-	-	23.0	9.8			
<b>AVG '14-'15</b>	20.7	28.4	15.4	26.8	21.9	28.2	-	-	21.2	62.8			
<b>AVG '15-'16</b>	17.4	21.3	10.6	22.4	16.9	24.3	-	-	16.5	105.4	38,401.9	4,639.1	18,977.2
<b>AVG '16-'17</b>	18.4	26.4	16.7	24.8	18.5	27.1	26.4	-	19.4	211.0	46,977.4	8,442.6	16,068.4
<b>AVG '17-'18</b>	18.2	22.9	14.0	25.4	18.4	27.1	16.0	-	18.8	378.4	48,106.6	4,904.8	16,348.5
<b>AVG '18-'19</b>	20.3	26.4	15.7	27.1	19.2	27.3	12.9	0.3	19.5	145.9	39,101.6	4,511.4	12,445.3

AMOUNTS IN UNITS (CCF) (ONE UNIT = 748 GAL.)

Jul-19	24.9	31.6	20.5	40.9	22.3	29.4	13.9	4.1	23.9	2,709.2	50,645.8	5,744.2	20,891.3
Aug-19	25.1	33.2	20.9	37.8	23.3	37.0	14.4	4.0	25.0	768.2	57,000.9	4,747.5	20,573.5
Sep-19	25.4	32.4	18.0	34.0	22.7	35.4	15.0	5.7	23.8	28.4	63,914.0	4,755.6	23,576.3
Oct-19	28.2	37.6	20.4	35.5	24.6	39.8	17.5	10.1	26.5	45.8	72,791.0	5,748.2	14,940.7
Nov-19	20.9	27.0	13.4	24.7	17.4	27.1	12.2	5.3	18.6	1,030.2	43,509.9	3,159.0	11,407.0
Dec-19	16.0	18.5	7.4	15.1	14.6	18.4	11.5	5.0	13.5	15.8	12,159.8	974.4	1,097.9
Jan-20	13.0	13.5	7.2	12.2	11.6	14.4	9.0	3.2	11.0	5.9	18,777.5	1,351.0	1,690.0
Feb-20	19.4	21.7	13.9	20.0	17.0	24.6	12.1	5.9	17.4	17.6	32,066.0	2,744.9	8,272.1
Mar-20	13.0	13.2	7.9	12.9	11.8	15.3	8.4	5.8	11.3	23.6	15,708.8	1,186.9	3,317.9
Apr-20	10.6	13.1	9.9	12.4	12.1	15.38	9.43	6.0	12.6	57.9	12,552.0	1,885.8	991.0
May-20	25.9	32.6	25.5	32.9	24.5	37.2	15.6	10.0	26.3	50.9	56,929.9	6,949.0	17,051.0
Jun-20													

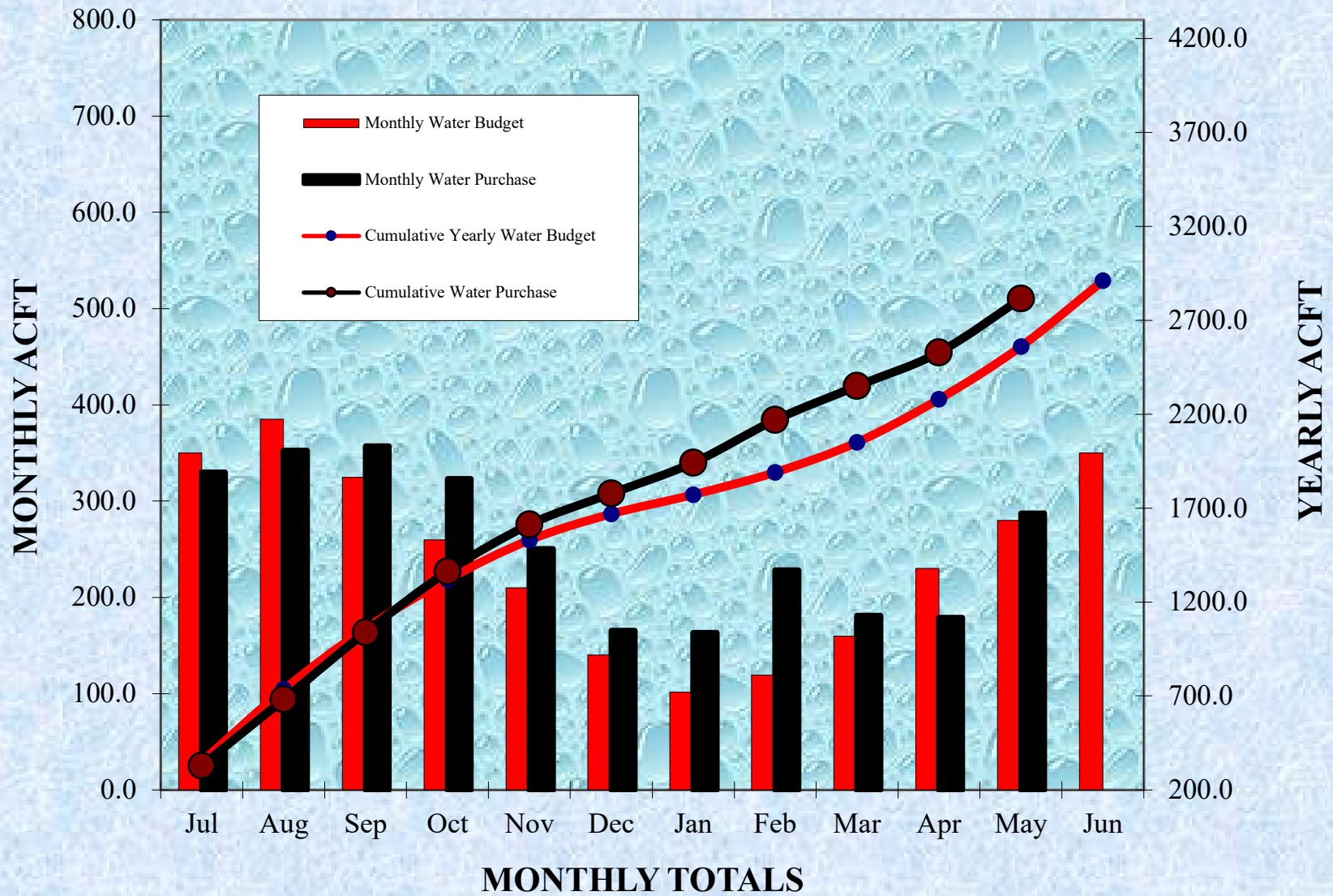
**AVG '19-'20**

AMOUNTS IN UNITS (CCF) (ONE UNIT = 748 GAL.)

# WHOLESALE BUDGET vs PURCHASE

## Water Year July 2019 through June 2020

2900 ACFT PROJECTION )





June 23, 2020

Board of Directors  
Temescal Valley Water District

RE: General Manager's Report

Dear Board:

The following is a brief status report on several issues that I have been involved in since the last meeting.

- Working on non-potable water supply improvements
  - Park Canyon Drive RW line – The property has been sold and I am working with the new owners to get the necessary easements. Will Serve Letters were sent.
- Working on Conservation opportunities and RW/NP conversion locations
  - New District programs for turf and nozzles
- Working with Land Developers on water and sewer fees for multiple infill projects.
  - Deleo adjacent to Tom's Farms – no news
  - Forest Boundary –home building continues
  - Retreat Infill – Kiley Court – Plans signed –
  - Temescal Canyon Road at Campbell Ranch Road – Improvement plans signed
  - Kiley Family Trust Property – Tract Map Stage - Public Hearing scheduled
- Terramor CFD – CFD 4 annexation of Phase 2 completed - Constructing the WRF expansion
- Terramor Review:
  - RW and Potable Tank –Both tanks in operation
- Terramor Onsite Water, Sewer and RW improvements
  - Work continues Improvement Area 2 – Richmond America and Pulte
- Sycamore Creek:
  - TM 36317 Water Sewer and RW improvement plans – TVWD infrastructure is 100% complete – Booster SP complete, accepted by the District and in operation.
- WRF 225K GPD upgrade
  - Submittal review continues and contractor on site –new electrical feed completed, Bypass Vault completed, Digester walls are complete, SBR floors poured, West Influent lift station 60% complete.

Temescal Valley Water District

22646 Temescal Canyon Road | Temescal Valley, CA 92883-4106 | tel: 951.277.1414 | fax: 951.277.1419  
www.temescalvwd.com



# MEMORANDUM

DATE: June 24, 2020

TO: Board of Directors  
Temescal Valley Water District

FROM: General Manager

SUBJECT: Project: Phase IV Water Reclamation Facility Expansion Project –Payment Request 7  
Contractor: PACIFIC HYDROTECH CORPORATION  
TVWD CAP Project No. S-1-2015

## BACKGROUND

The District approved the bid with Pacific Hydrotech Corporation in the amount of \$16,444,500.00

## Project Summary

Contract -	\$16,444,500.00
Earned this Period -	\$1,099,785.00
5% retention -	\$ 54,989.25
Earned less retention -	\$1,044,795.75

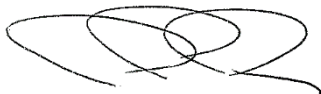
**DUE - Contractor        \$ 1,044,795.75**

## RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the payment of \$1,099,785.00 which is a current payment of \$1,044,795.75 to the Contractor and a retention payment of \$54,989.25 to be deposited in an Escrow Account.

Respectfully submitted,



Jeff Pape  
General Manager

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Temescal Valley Water District

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Respectfully submitted,



Jeff Pape  
General Manager



EXHIBIT B  
TVWD SEWER TREATMENT PLANT EXPANSION

	Actual		Paid/responsibility		
			TVWD	Forestar	
<b>Generator Replacement</b>					
Generator Replacement	\$ 415,400.00	ACS Engineering Contract	\$ 415,400.00		
Contingency 10%	\$ -			\$ 46,150.00	Need to verify
Design Engineering 9%	\$ 46,150.00	By Dexter Wilson/Forestar		\$ 5,470.00	Need to verify
Plan Check	\$ 5,470.00	Estimated TVWD Inspection			
CM and Inspection	\$ 26,250.00	Estimated Dudek Bidding	\$ 26,250.00		
	\$ 493,270.00				
<b>SBR Controls And Equipment</b>					
SBR Controls And Equipment	\$ 1,110,117.00	Parkson Corporation Contract	\$ 1,110,117.00		
Contingency 10%	\$ 111,011.70		\$ 111,011.70		
Design Engineering	\$ -	By Dexter Wilson/Forestar			
Plan Check & Inspection 4%	\$ 12,000.00	Estimated TVWD Inspection	\$ 12,000.00		
Construction Management 5%	\$ 15,000.00	Estimated Dudek Bidding	\$ 15,000.00		
	\$ 1,248,128.70				
<b>Phase VI Treatment Plant Expansion</b>					
Phase VI Treatment Plant Expansion	\$ 16,400,000.00				
10% Contingency	\$ 1,640,000.00				
Design Engineering	\$ 998,538.00	By Dexter Wilson/Forestar		\$ 998,538.00	
Plan Check & Inspection					
Plan Check - TVWD	\$ 43,973.09	Paid By Forestar		\$ 43,973.09	
Inspection - TVWD	\$ 60,000.00	Estimate - Non Process Equip.	\$ 60,000.00		
Construction Management					
Bidding	\$ 23,600.00	Bid Package - Murow	\$ 23,600.00		
Labor Compliance/Contract Admin	\$ 502,280.00	Murow-Sr CM, Assist CM, Snr PM	\$ 502,280.00		
Dexter Wilson	\$ 75,000.00	Bid RFI's, Constr. RCO, RFI's	\$ 75,000.00		
TVWD	\$ 50,000.00	Estimate - SCADA/Integrator	\$ 50,000.00		
	\$ 19,793,391.09				
Total	\$ 21,534,789.79		\$ 2,400,658.70	\$ 1,094,131.09	
	\$ 31.90				
	\$ 8,294.88				

EDUs	Cost Responsibility per Agreement	%	Splits	Paid or Responsibility	Due During Const	Funds on Hand	Delta
865.38	TVWD %	0.33333	\$ 7,178,263.26	\$ 2,400,658.70	\$ 4,777,604.56	\$ 4,777,604.56	\$ -
1,730.77	Forestar %	0.66667	\$ 14,356,526.53				
1,482.75	CFD Bond funding = 85.67%		\$ 12,299,236.28		\$ 12,299,236.28	\$ 9,847,409.00	\$ (2,451,827.28)
248.02	Developer =14.33%		\$ 2,057,290.25	\$ 1,094,131.09	\$ 963,159.16	0	\$ (963,159.16)
					\$ 18,040,000.00		\$ (3,414,986.44)

WRF COST

\$21,534,789.79 ALL Costs including Soft Costs  
\$31.90 \$/gallon

Construction Only

\$17,925,517.00 No Soft Costs  
\$26.56 \$/gallon

# PAYMENT APPLICATION

**TO:** TEMESCAL VALLEY WATER DISTRICT  
22646 TEMESCAL CANYON RD  
CORONA CA 92883

**PROJECT NAME AND LOCATION:** C1916-WATER RECLAMATION PLANT  
PHASE IV  
22646 TEMESCAL CANYON RD  
CORONA CA 92883

**APPLICATION #** 7  
**PERIOD THRU:** 05/31/2020

**DISTRIBUTION TO:**

- CONTRACTOR
- CONSTR. MGR.
- CITY INSPECTOR
- OWNER

**FROM:** PACIFIC HYDROTECH CORPORATION  
314 E. 3rd STREET  
PERRIS CA 92570

**OWNER:** TEMESCAL VALLEY WATER DISTRICT  
22646 TEMESCAL CANYON RD  
CORONA CA 92883

**DATE OF CONTRACT:** 8/16/2019

**CONTRACTOR'S SUMMARY OF WORK**

Application is made for payment as shown below.  
Continuation Page is attached

<b>1. CONTRACT AMOUNT</b>	16,444,500.00
<b>2. SUM OF ALL CHANGE ORDERS</b>	0.00
<b>3. CURRENT CONTRACT AMOUNT</b> (Line 1 + 2)	16,444,500.00
<b>4. TOTAL COMPLETED AND STORED</b> (Column G on Continuation Page)	5,208,145.00
<b>5. RETAINAGE:</b>	
A. 5% Of Completed Work (Columns D+ E on Continuation Page)	260,407.25
B. 5% of Material Stored (Column F on Continuation Page)	0.00
Total Retainage (Line 5a + 5b or Column I on Continuation Page)	260,407.25
<b>6. TOTAL COMPLETED AND STORED LESS RETAINAGE:</b> (Line 4 minus Line 5 Total)	4,947,737.75
<b>7. LESS PREVIOUS CERTIFICATES FOR PAYMENT:</b>	3,902,942.00
<b>8. CURRENT PAYMENT DUE:</b>	1,044,795.75
<b>9. BALANCE HELD BY OWNER:</b> Line 3 - Line 6	11,496,762.25

SUMMARY OF CHANGE ORDERS	ADDITIONS	DEDUCTIONS
Total changes approved in previous months	0.00	0.00
Total approved this month	0.00	0.00
TOTALS	0.00	0.00
NET CHANGES	0.00	

**CONTRACTOR:** PACIFIC HYDROTECH CORPORATION

Contractor's signature below:

By: *Jonathan Hilber* Date: 6/1/2020

**CONSTRUCTION MANAGER: MUROW | DC**

Construction Manager's signature below:

By: *Bob Weber* Date: 6/9/20

**INSPECTOR:** TEMESCAL VALLEY WATER DISTRICT

Inspector's signature below:

By: *Island Kea* Date: 6-9-2020

**OWNER'S CERTIFICATION**

CERTIFIED AMOUNT:

.....1,044,795.75

**OWNER:** TEMESCAL VALLEY WATER DISTRICT

Owner's signature below

By: *[Signature]* Date: 6/1/2020

**PAYMENT APPLICATION DETAILS**

**Customer:** TEMESCAL VALLEY WATER DISTRICT  
**Project:** C1916-WATER RECLAMATION PLANT PHASE IV

**Application Number:** 7  
**For Period Ending:** 05/31/2020

A	B	C	D	E		F	G		H	I
		Work Completed				Materials Presently Stored	Completed and Stored To Date	Total %	Balance To Finish	Retainage Value
Item Number - Description		Scheduled Value	From Previous Application	This Period Value	Total Percent this Period					
01	MOB, BONDS, SOV, PROJECT SCHEDULE	820,000.00	686,500.00	43,500.00	5.30%	0.00	730,000.00	89.02	90,000.00	36,500.00
01.01	BONDS AND INSURANCE	350,000.00	350,000.00	0.00	0.00%	0.00	350,000.00	100.00	0.00	17,500.00
01.02	MOBILIZE EQUIPMENT AND TEMP FACILITIES	325,000.00	292,500.00	32,500.00	10.00%	0.00	325,000.00	100.00	0.00	16,250.00
01.03	DEMOB EQUIPMENT AND TEMP FACILITIES	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
01.04	BASELINE SCHEDULE SUBMITTAL	20,000.00	18,000.00	2,000.00	10.00%	0.00	20,000.00	100.00	0.00	1,000.00
01.05	CONSTRUCTION SCHEDULING	30,000.00	6,000.00	0.00	0.00%	0.00	6,000.00	20.00	24,000.00	300.00
01.06	PRECONSTRUCTION VIDEO	5,000.00	5,000.00	0.00	0.00%	0.00	5,000.00	100.00	0.00	250.00
01.07	MAINTAIN TEMP FACILITIES	60,000.00	15,000.00	9,000.00	15.00%	0.00	24,000.00	40.00	36,000.00	1,200.00
02	SHEETING, SHORING, AND BRACING	6,100.00	2,440.00	1,220.00	20.00%	0.00	3,660.00	60.00	2,440.00	183.00
02.01	TRENCH SHORING	6,100.00	2,440.00	1,220.00	20.00%	0.00	3,660.00	60.00	2,440.00	183.00
03	EROSION CONTROL	55,700.00	28,925.00	5,355.00	9.61%	0.00	34,280.00	61.54	21,420.00	1,714.00
03.01	BMP INSTALLATION	20,000.00	20,000.00	0.00	0.00%	0.00	20,000.00	100.00	0.00	1,000.00
03.02	BMP MAINTENANCE	35,700.00	8,925.00	5,355.00	15.00%	0.00	14,280.00	40.00	21,420.00	714.00
04	SURVEY	24,200.00	14,520.00	2,420.00	10.00%	0.00	16,940.00	70.00	7,260.00	847.00
04.01	SURVEY	24,200.00	14,520.00	2,420.00	10.00%	0.00	16,940.00	70.00	7,260.00	847.00
05	MAINTENANCE OF PLANT OPERATIONS	41,900.00	10,475.00	6,285.00	15.00%	0.00	16,760.00	40.00	25,140.00	838.00
05.01	MAINTAIN PLANT FACILITY OPERATIONS	41,900.00	10,475.00	6,285.00	15.00%	0.00	16,760.00	40.00	25,140.00	838.00
06	SCE CONDUIT AND PULL BOX INSTALLATION	231,100.00	207,500.00	0.00	0.00%	0.00	207,500.00	89.79	23,600.00	10,375.00
06.01	EXCAVATE AND BACKFILL FOR ELECTRICAL	95,000.00	95,000.00	0.00	0.00%	0.00	95,000.00	100.00	0.00	4,750.00
06.02	ELECT. DISCONNECT & REMOVAL OF WIRING	45,000.00	45,000.00	0.00	0.00%	0.00	45,000.00	100.00	0.00	2,250.00
06.03	FURNISH & INSTALL PULL BOX PER DE0.0	12,500.00	12,500.00	0.00	0.00%	0.00	12,500.00	100.00	0.00	625.00
06.04	FURNISH & INSTALL SCE CONDUIT PER DE0.0	55,000.00	55,000.00	0.00	0.00%	0.00	55,000.00	100.00	0.00	2,750.00
06.05	INTERCEPT LIGHTING CONDUIT DE0.0 NOTE 13	3,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,500.00	0.00

06.06	REROUTE SBR ELECTRICAL DE0.0 NOTE 14	20,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,100.00	0.00
07	DEMO, REMOVAL, ABANDONMENT IN PLACE, ETC	142,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	142,600.00	0.00
07.01	DEMO SUB MOBILIZATION	4,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,000.00	0.00
07.02	DEMOLISH & REMOVE GRIT CHAMBER STRUCTURE	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
07.03	DEMO & REMOVE GRIT CHAMBER PUMPS & PADS	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
07.04	DEMO & REMOVE GRIT CHAMBER ACCESS STAIRS	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
07.05	DEMO & REMOVE RETAINING WALL AT STAIRS	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
07.06	OTHER MISC DEMOLITION	23,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	23,600.00	0.00
08	YARD PIPING, VALVES, AND APPURTENANCES	1,453,900.00	494,250.00	95,750.00	6.59%	0.00	590,000.00	40.58	863,900.00	29,500.00
08.01	POTHOLE	40,000.00	32000.00	0.00	0.00%	0.00	32000.00	80.00	8,000.00	1,600.00
08.02	UNLOAD PIPE MATERIALS	25,000.00	18750.00	0.00	0.00%	0.00	18750.00	75.00	6,250.00	937.50
08.03	16" SEDIMENTATION TANK BYPASS LINE	125,000.00	112500.00	12,500.00	10.00%	0.00	125000.00	100.00	0.00	6,250.00
08.04	10" PEF - PS TO EX 16" GE (11 thru 18)	175,000.00	140000.00	35,000.00	20.00%	0.00	175000.00	100.00	0.00	8,750.00
08.05	10" PEF - PS TO EX 16" GE (19 thru 25)	175,000.00	140000.00	26,250.00	15.00%	0.00	166250.00	95.00	8,750.00	8,312.50
08.06	4" WHP PLANT WATER LINE @SED. BASIN	45,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,900.00	0.00
08.07	8" TD LINE @ SEDIMENTATION FILTER	62,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	62,000.00	0.00
08.08	4" SC LINE @ SEDIMENTATION BASIN	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
08.09	CLEANOUTS	18,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,000.00	0.00
08.10	4" PS/SC SCUM LINE TO DIGESTERS	85,000.00	51000.00	17,000.00	20.00%	0.00	68000.00	80.00	17,000.00	3,400.00
08.11	INSTALL 12" OF PIPE FROM SBR TO PS	95,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	95,000.00	0.00
08.12	CORE EXISTING WETWELL	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
08.13	12"/16"24" SE PIPING @ SBR's	145,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	145,000.00	0.00
08.14	12" WAS TO EXISTING PIPE	75,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	75,000.00	0.00
08.15	2" WATERLINE @ SBR's	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
08.16	16" BP PIPE @ TERTIARY FILTERS	38,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	38,000.00	0.00
08.17	6" TD PIPE @ TERTIARY FILTERS	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
08.18	8" DIGESTED SLUDGE TO EX. PIPE @ DIG'S	78,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	78,000.00	0.00
08.19	4" BIOFILTER DRAIN TO PS	53,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	53,000.00	0.00
08.20	2" WHP LINE @ DIGESTERS	14,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	14,000.00	0.00
08.21	12" DRAIN LINE @ DRYING BEDS	42,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	42,000.00	0.00
08.22	EXC/SET/BACKFILL CATCH BASIN	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
08.23	TEST PIPES	50,000.00	0.00	5,000.00	10.00%	0.00	5000.00	10.00	45,000.00	250.00

09	GRADING	454,900.00	184,640.00	10,700.00	2.35%	0.00	195,340.00	42.94	259,560.00	9,767.00
09.01	EXCAVATE INFLUENT VAULTS	10,000.00	5000.00	0.00	0.00%	0.00	5000.00	50.00	5,000.00	250.00
09.02	FINE GRADE BOTTOM	2,500.00	1250.00	0.00	0.00%	0.00	1250.00	50.00	1,250.00	62.50
09.03	BACKFILL INFLUENT VALVE VAULTS	20,000.00	0.00	10,000.00	50.00%	0.00	10000.00	50.00	10,000.00	500.00
09.04	EXC. SEDIMENTATION BASIN & BIOFILTER	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
09.05	FINE GRADE BOTTOM (SBR)	8,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,000.00	0.00
09.06	BACKFILL SEDIMENTATION BASIN & BIOFILTER	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
09.07	EXCAVATE SEQUENCING REACTORS	6,000.00	6000.00	0.00	0.00%	0.00	6000.00	100.00	0.00	300.00
09.08	FINE GRADE BOTTOM	6,000.00	6000.00	0.00	0.00%	0.00	6000.00	100.00	0.00	300.00
09.09	BACKFILL REACTORS	7,500.00	750.00	0.00	0.00%	0.00	750.00	10.00	6,750.00	37.50
09.10	EXCAVATE TERTIARY FILTERS	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
09.11	FINE GRADE BOTTOM	2,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,500.00	0.00
09.12	BACKFILL TERTIARY FILTERS	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
09.13	EXCAVATE DIGESTERS & BIOFILTER	65,000.00	55250.00	0.00	0.00%	0.00	55250.00	85.00	9,750.00	2,762.50
09.14	FINE GRADE BOTTOM	7,000.00	5250.00	700.00	10.00%	0.00	5950.00	85.00	1,050.00	297.50
09.15	BACKFILL DIGESTERS & BIOFILTER	62,000.00	9300.00	0.00	0.00%	0.00	9300.00	15.00	52,700.00	465.00
09.16	LOAD EXPORT TRUCKS	31,400.00	18840.00	0.00	0.00%	0.00	18840.00	60.00	12,560.00	942.00
09.17	EXPORT SPOILS	125,000.00	75000.00	0.00	0.00%	0.00	75000.00	60.00	50,000.00	3,750.00
09.18	ROAD CLEAN UP	5,000.00	2000.00	0.00	0.00%	0.00	2000.00	40.00	3,000.00	100.00
09.19	FINE GRADE	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
10	ASPHALT FINE GRADING, ETC.	219,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	219,100.00	0.00
10.01	BASE MATERIALS	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
10.02	FINE GRADING FOR PAVEMENT	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
10.03	AC MATERIALS	60,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	60,000.00	0.00
10.04	AC PAVING	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
10.05	REDWOOD HEADER MATERIALS	2,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,600.00	0.00
10.06	REDWOOD HEADER INSTALLATION	9,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,500.00	0.00
10.07	COLD MILL	11,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	11,000.00	0.00
10.08	FOG SEAL	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
11	CONSTRUCTION SEQUENCING	48,700.00	5,000.00	15,000.00	30.80%	0.00	20,000.00	41.07	28,700.00	1,000.00
11.01	TEMPORARY BYPASS PIPING SYSTEM	15,000.00	0.00	15,000.00	100.00%	0.00	15000.00	100.00	0.00	750.00
11.02	INSTALL/REMOVE PIPING @ INFL PS	10,000.00	5000.00	0.00	0.00%	0.00	5000.00	50.00	5,000.00	250.00
11.03	PATCH PRECAST WALL PENETRATION	3,700.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,700.00	0.00
11.04	TIE INS	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
12	EQ BYPASS VAULT INCLUDING PIPING	153,700.00	139,350.00	1,850.00	1.20%	0.00	141,200.00	91.87	12,500.00	7,060.00
12.01	PROCURE PRECAST VAULT	30,000.00	30000.00	0.00	0.00%	0.00	30000.00	100.00	0.00	1,500.00
12.02	PROCURE DIP AND VALVES @ VAULT	55,000.00	55000.00	0.00	0.00%	0.00	55000.00	100.00	0.00	2,750.00
12.03	PURCHASE HANDRAIL	4,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,000.00	0.00
12.04	INSTALL HANDRAIL	3,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,000.00	0.00
12.05	EXCAVATE VAULT	15,000.00	15000.00	0.00	0.00%	0.00	15000.00	100.00	0.00	750.00



12.06	PREP SUBGRADE	2,500.00	2500.00	0.00	0.00%	0.00	2500.00	100.00	0.00	125.00
12.07	SET VAULT	12,200.00	12200.00	0.00	0.00%	0.00	12200.00	100.00	0.00	610.00
12.08	BACKFILL VAULT	10,000.00	8500.00	1,000.00	10.00%	0.00	9500.00	95.00	500.00	475.00
12.09	PIPE AND APPURTENANCES INSIDE VAULT	17,000.00	16150.00	850.00	5.00%	0.00	17000.00	100.00	0.00	850.00
12.10	PAINTING	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
13	INFLUENT PUMP STATION	339,300.00	168,200.00	42,400.00	12.50%	0.00	210,600.00	62.07	128,700.00	10,530.00
13.01	PURCHASE PIPING @ INFLUENT PS	71,300.00	71300.00	0.00	0.00%	0.00	71300.00	100.00	0.00	3,565.00
13.02	PURCHASE & INSTALL PUMPS @ INFLUENT PS	110,000.00	82500.00	0.00	0.00%	0.00	82500.00	75.00	27,500.00	4,125.00
13.03	PURCHASE & INSTL HANDRAIL @ INFLUENT PS	9,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,000.00	0.00
13.04	MECHANICAL WORK @ INFLUENT PS	72,000.00	14400.00	14,400.00	20.00%	0.00	28800.00	40.00	43,200.00	1,440.00
13.05	PAINTING	7,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,000.00	0.00
13.06	CONCRETE WORK @ INFLUENT PS	70,000.00	0.00	28,000.00	40.00%	0.00	28000.00	40.00	42,000.00	1,400.00
14	HEADWORKS WASHER/COMPACTOR, ETC.	263,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	263,800.00	0.00
14.01	PURCHASE AUGER	181,300.00	0.00	0.00	0.00%	0.00	0.00	0.00	181,300.00	0.00
14.02	INSTALL AUGER	8,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,500.00	0.00
14.03	INSTALL TROUGH	10,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,500.00	0.00
14.04	PURCHASE AND INSTALL STEEL PIPE	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
14.05	PURCHASE AND INSTALL LADDER	7,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
14.06	MISC. MECHANICAL	28,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	28,000.00	0.00
14.07	REPAIR WALL	8,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,000.00	0.00
15	PRIMARY SEDIMENTATION TANK	3,190,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,190,200.00	0.00
15.01	LAYOUT AND FORM FOR FLOOR	150,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	150,000.00	0.00
15.02	POUR TANK FLOOR	550,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	550,000.00	0.00
15.03	ASSEMBLE/DISASSEMBLE WALL FORMS	120,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	120,000.00	0.00
15.04	FORM/POUR/STRIP WALLS	560,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	560,000.00	0.00
15.05	WALL CURING	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
15.06	POUR MASS FILL	31,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	31,000.00	0.00
15.07	PROCURE AND LAYOUT MECHANICAL EQUIPMENT	1,250,700.00	0.00	0.00	0.00%	0.00	0.00	0.00	1,250,700.00	0.00
15.08	INSTALL DI ABOVE GRADE PIPING	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
15.09	INSTALL SLIDE GATES	17,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	17,500.00	0.00
15.10	INSTALL FLUMES	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
15.11	INSTALL CHAIN FLIGHTS AND MOTORS	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
15.12	INSTALL FRP TROUGHS	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00
15.13	INSTALL SCUM COLLECTORS	13,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	13,000.00	0.00
15.14	INSTALL SLUDGE PUMPS	9,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,000.00	0.00
15.15	INSTALL PIPING IN SLUDGE GALLERY	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00

15.16	INSTALL PIPE SUPPORTS	7,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
15.17	SET STAIRCASE	18,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,000.00	0.00
15.18	SET RAILINGS	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
15.19	DECK SHORING	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
15.20	INSTALL DOORS	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
15.21	HVAC	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
15.22	PAINTING AND COATING	250,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	250,000.00	0.00
15.23	WATERPROOFING	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
16	SED TANK & DIGESTERS BIOFILTER SYSTEMS	695,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	695,800.00	0.00
16.01	PROCURE BIOFILTER EQUIPMENT	250,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	250,000.00	0.00
16.02	EXCAVATE FOR BIOFILTERS	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00
16.03	PREP SUBRADE	4,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,500.00	0.00
16.04	LAYOUT AND FORM FOR FLOOR	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
16.05	POUR FLOOR	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
16.06	STRIP FLOOR	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
16.07	FORM WALLS	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
16.08	POUR WALLS	75,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	75,000.00	0.00
16.09	STRIP WALLS	14,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	14,800.00	0.00
16.10	CONCRETE CURING	2,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,000.00	0.00
16.11	PURCHASE AND INSTALL PIPING	65,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	65,000.00	0.00
16.12	PURCHASE AND INSTALL PIPE SUPPORTS	75,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	75,000.00	0.00
16.13	INSTALL EQUIPMENT AND MEDIA	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
16.14	INSTALL SS DUCTING	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
16.15	INSTALL WATERLINE AND SPRINKLERS	13,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	13,500.00	0.00
16.16	INSTALL PUMP	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
17	EQUALIZATION BASIN PUMP STATION	336,200.00	54,000.00	0.00	0.00%	0.00	54,000.00	16.06	282,200.00	2,700.00
17.01	PLUG 16" LINE	2,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,000.00	0.00
17.02	PURCHASE AND INSTALL PUMPS	180,000.00	54000.00	0.00	0.00%	0.00	54000.00	30.00	126,000.00	2,700.00
17.03	INSTALL GUIDE RAILS AND SUPPORTS	7,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
17.04	PURCHASE PIPING	115,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	115,000.00	0.00
17.05	INSTALL PIPE IN WETWELL	4,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,800.00	0.00
17.06	INSTALL ABOVE GRADE PIPE	11,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	11,800.00	0.00
17.07	CORE DRILL 12" SBR OVERFLOW	1,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	1,200.00	0.00
17.08	CONCRETE PAD	4,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,000.00	0.00
17.09	PAINTING AND COATING	9,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,900.00	0.00
18	SBR TANKS AND EQUIPMENT PADS	1,907,100.00	334,250.00	563,150.00	29.53%	0.00	897,400.00	47.06	1,009,700.00	44,870.00
18.01	LAYOUT FLOOR	10,000.00	10000.00	0.00	0.00%	0.00	10000.00	100.00	0.00	500.00
18.02	FORM FLOOR	115,000.00	97750.00	17,250.00	15.00%	0.00	115000.00	100.00	0.00	5,750.00
18.03	INSTALL REBAR	250,000.00	212500.00	0.00	0.00%	0.00	212500.00	85.00	37,500.00	10,625.00

18.04	POUR FLOOR	365,000.00	0.00	365,000.00	100.00%	0.00	365000.00	100.00	0.00	18,250.00
18.05	STRIP FLOOR	95,900.00	0.00	95,900.00	100.00%	0.00	95900.00	100.00	0.00	4,795.00
18.06	CURE FLOOR	5,000.00	0.00	5,000.00	100.00%	0.00	5000.00	100.00	0.00	250.00
18.07	ASSEMBLE/DISASSEMBLE WALL FORMS	125,000.00	0.00	50,000.00	40.00%	0.00	50000.00	40.00	75,000.00	2,500.00
18.08	FORM STRAIGHT WALLS	150,000.00	0.00	30,000.00	20.00%	0.00	30000.00	20.00	120,000.00	1,500.00
18.09	POUR STRAIGHT WALLS	238,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	238,000.00	0.00
18.10	STRIP STRAIGHT WALLS	90,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	90,000.00	0.00
18.11	CURE STRAIGHT WALLS	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
18.12	PATCH STRAIGHT WALLS	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
18.13	FORM THICKENED WALL	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
18.14	POUR THICKENED WALL	75,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	75,000.00	0.00
18.15	STRIP THICKENED WALL	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
18.16	CURE THICKENED WALL	2,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,500.00	0.00
18.17	PATCH THICKENED WALL	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
18.18	FORM WALKWAYS	18,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,500.00	0.00
18.19	POUR WALKWAYS	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
18.20	STRIP WALKWAYS	8,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,500.00	0.00
18.21	EQUIPMENT PADS	7,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,800.00	0.00
18.22	SET RAILINGS	35,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,900.00	0.00
18.23	LAYOUT PIPING	3,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,500.00	0.00
18.24	INSTALL 8" SLUDGE DRAIN LINE	7,500.00	7500.00	0.00	0.00%	0.00	7500.00	100.00	0.00	375.00
18.25	INSTALL MUD VALVES	3,500.00	3500.00	0.00	0.00%	0.00	3500.00	100.00	0.00	175.00
18.26	CONCRETE PADS @ BLOWERS	3,000.00	3000.00	0.00	0.00%	0.00	3000.00	100.00	0.00	150.00
18.27	INSTALL ABOVE GRADE PIPING @ PUMPS	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
18.28	INSTALL ABOVE GRADE PIPING @ BLOWERS	7,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,000.00	0.00
18.29	INSTL ABOVE GRADE AIR PIPING @ SBR TANK	7,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,000.00	0.00
18.30	INSTALL ABOVE GRADE OVERFLOW PIPING	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
18.31	INSTALL PIPE SUPPORTS @ SBR TANKS	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
18.32	PAINTING	60,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	60,000.00	0.00
19	INSTALL OF OWNER FURNISHED SBR EQUIPMENT	164,200.00	6,050.00	0.00	0.00%	0.00	6,050.00	3.68	158,150.00	302.50
19.01	ACQUIRE ANCHORAGE	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
19.02	UNLOAD OWNER FURNISHED EQUIPMENT	7,500.00	5250.00	0.00	0.00%	0.00	5250.00	70.00	2,250.00	262.50
19.03	LAYOUT EQUIPMENT	8,000.00	800.00	0.00	0.00%	0.00	800.00	10.00	7,200.00	40.00
19.04	INSTALL DECANTER SUPPORTS	10,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,500.00	0.00
19.05	INSTALL DECANTERS	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00

19.06	INSTALL INFL. SLUDGE COLL. PIPES (FRP)	28,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	28,000.00	0.00
19.07	INSTALL JET AERATION PIPE ASSEMBLY	18,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,200.00	0.00
19.08	INSTALL PIPE SUPPORTS	7,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
19.09	INSTALL 12" FILL LINE (FRP)	22,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	22,000.00	0.00
19.10	INSTALL JET MOTIVE PUMPS	8,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,500.00	0.00
19.11	INSTALL BLOWERS	14,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	14,000.00	0.00
20	TERTIARY FILTERS	585,300.00	0.00	0.00	0.00%	0.00	0.00	0.00	585,300.00	0.00
20.01	LAYOUT FLOOR	3,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,500.00	0.00
20.02	FORM FLOOR	5,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,500.00	0.00
20.03	INSTALL REBAR	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
20.04	POUR FLOOR	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
20.05	STRIP FORMS	4,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,500.00	0.00
20.06	FORM WALLS	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
20.07	INSTALL REBAR	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
20.08	DRILL/SET DOWELS @ WALLS	10,300.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,300.00	0.00
20.09	FORM CHANNEL WALLS	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
20.10	GRATES AND RAILS	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
20.11	PAINTING AND COATING	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
20.12	MECHANICAL WORK @ TERTIARY FILTERS	425,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	425,000.00	0.00
21	TERTIARY FILTER AIR COMPRESSORS	33,900.00	29,400.00	0.00	0.00%	0.00	29,400.00	86.73	4,500.00	1,470.00
21.01	ACQUIRE NEW AIR COMPRESSORS	29,400.00	29400.00	0.00	0.00%	0.00	29400.00	100.00	0.00	1,470.00
21.02	REMOVE OLD AIR COMPRESSORS	2,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,000.00	0.00
21.03	INSTALL NEW AIR COMPRESSORS	2,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,500.00	0.00
22	AEROBIC DIGESTERS	1,983,300.00	1,256,300.00	219,950.00	11.09%	0.00	1,476,250.00	74.43	507,050.00	73,812.50
22.01	DRILL/SET DOWELS	5,000.00	5000.00	0.00	0.00%	0.00	5000.00	100.00	0.00	250.00
22.02	LAYOUT SLAB	6,500.00	6500.00	0.00	0.00%	0.00	6500.00	100.00	0.00	325.00
22.03	FORM FLOOR	130,000.00	130000.00	0.00	0.00%	0.00	130000.00	100.00	0.00	6,500.00
22.04	INSTALL REBAR	215,000.00	215000.00	0.00	0.00%	0.00	215000.00	100.00	0.00	10,750.00
22.05	POUR SLAB	250,000.00	250000.00	0.00	0.00%	0.00	250000.00	100.00	0.00	12,500.00
22.06	STRIP SLAB	50,000.00	50000.00	0.00	0.00%	0.00	50000.00	100.00	0.00	2,500.00
22.07	CURE SLAB	20,000.00	20000.00	0.00	0.00%	0.00	20000.00	100.00	0.00	1,000.00
22.08	ASSEMBLE/DISASSEMBLE WALL FORMS	85,000.00	42500.00	42,500.00	50.00%	0.00	85000.00	100.00	0.00	4,250.00
22.09	FORM WALLS	140,000.00	112000.00	28,000.00	20.00%	0.00	140000.00	100.00	0.00	7,000.00
22.10	INSTALL REBAR	175,000.00	157500.00	17,500.00	10.00%	0.00	175000.00	100.00	0.00	8,750.00
22.11	POUR WALLS	285,000.00	190950.00	94,050.00	33.00%	0.00	285000.00	100.00	0.00	14,250.00
22.12	STRIP WALLS	80,000.00	53600.00	26,400.00	33.00%	0.00	80000.00	100.00	0.00	4,000.00
22.13	CURE WALLS	25,000.00	16750.00	8,250.00	33.00%	0.00	25000.00	100.00	0.00	1,250.00
22.14	SET RAILINGS	65,000.00	6500.00	3,250.00	5.00%	0.00	9750.00	15.00	55,250.00	487.50

22.15	SET STAIRCASE	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
22.16	PAINTING AND COATING	351,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	351,800.00	0.00
22.17	WATERPROOFING	55,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	55,000.00	0.00
23	AEROBIC DIGESTER MECHANICAL EQUIPMENT	1,598,900.00	34,700.00	0.00	0.00%	0.00	34,700.00	2.17	1,564,200.00	1,735.00
23.01	LAYOUT EQUIPMENT	2,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,500.00	0.00
23.02	INSTALL DECANT SUPPORTS	2,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,500.00	0.00
23.03	PURCHASE & INSTALL DECANT PIPES AND ARM	75,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	75,000.00	0.00
23.04	INSTALL DIGESTER FOAM CONTROL PIPE	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
23.05	INSTALL FOAM CONTROL PIPE (4" DIP)	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
23.06	INSTALL FOAM SPRAY NOZZLES	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
23.07	PURCHASE AND INSTALL AIR PIPING (SST)	120,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	120,000.00	0.00
23.08	BUBBLER DIFFUSERS (5%)	3,500.00	3500.00	0.00	0.00%	0.00	3500.00	100.00	0.00	175.00
23.09	BUBBLER DIFFUSERS (75%)	52,000.00	31200.00	0.00	0.00%	0.00	31200.00	60.00	20,800.00	1,560.00
23.10	BUBBLER DIFFUSERS (10%)	7,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,000.00	0.00
23.11	BUBBLER DIFFUSERS (10%)	7,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,000.00	0.00
23.12	INSTALL COARSE BUBBLER DIFFUSERS	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
23.13	INSTALL PIPE SUPPORTS	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00
23.14	INSTALL SLIDE GATES	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
23.15	PURCHASE AND INSTALL COVERS	125,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	125,000.00	0.00
23.16	PURCHASE AND INSTALL BLOWERS	220,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	220,000.00	0.00
23.17	INSTALL UNDERGROUND AIR PIPING	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
23.18	INSTALL PIPING @ BLOWERS	12,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,500.00	0.00
23.19	INSTALL PUMPS	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
23.20	INSTALL DIGESTER PIPING @ PUMPS	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
23.21	INSTALL UNDERGROUND 6" WAS PIPE	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00
23.22	INSTALL UNDERGROUND DI PIPING	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
23.23	PURCHASE AND INSTALL POLYMER SYSTEM	29,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	29,900.00	0.00
23.24	INSTALL WATER PIPE	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
23.25	INSTALL/REPL PIPING @ EXISTING DIGESTERS	12,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,500.00	0.00
23.26	PURCHASE SLUDGE PUMPS (6P-01 - 04)	80,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	80,000.00	0.00
23.27	PURCHASE PIPING @ DIGESTERS	200,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	200,000.00	0.00
23.28	PURCHASE SLUDGE EFFLUENT PUMP (6P-05)	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00
23.29	CORE WALLS	3,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,000.00	0.00
23.30	INSTALL PIPING INSIDE TANKS	90,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	90,000.00	0.00
23.31	SET STAIRCASE	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00

23.32	SET RAILINGS	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
23.33	TESTING AND STARTUP	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
23.34	PURCHASE AND INSTALL CANOPY	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
23.35	PAINTING AND COATING	290,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	290,000.00	0.00
24	INFLUENT PUMP STATION ELECTRICAL	18,900.00	0.00	4,725.00	25.00%	0.00	4,725.00	25.00	14,175.00	236.25
24.01	ELECTRICAL MODIFICATIONS - INFLUENT PS	18,900.00	0.00	4,725.00	25.00%	0.00	4,725.00	25.00	14,175.00	236.25
25	HEADWORKS ELECTRICAL	9,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,900.00	0.00
25.01	ELECTRICAL MODIFICATIONS - HEADWORKS	9,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,900.00	0.00
26	PRIMARY SEDIMENTATION ELECTRICAL	308,000.00	55,500.00	0.00	0.00%	0.00	55,500.00	18.02	252,500.00	2,775.00
26.01	F&I COND. & PLBOX PRIMARY SED. TANK	120,000.00	42000.00	0.00	0.00%	0.00	42000.00	35.00	78,000.00	2,100.00
26.02	F&I CONDUIT PRIMARY SED. GALLERY	135,000.00	13500.00	0.00	0.00%	0.00	13500.00	10.00	121,500.00	675.00
26.03	FURN. LIGHT FIX. PRIM. SED. TANK/GALLERY	18,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,000.00	0.00
26.04	INSTL LIGHT FIX. PRIM. SED. TANK/GALLERY	5,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,500.00	0.00
26.05	FURNISH ELECTRICAL SWGR - SED. TANK	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
26.06	INSTL ELECT. SWGR - SED. TANK/GALLERY	1,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	1,500.00	0.00
26.07	WIRING & TERMINATIONS - SED. TANK	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
26.08	WIRING & TERMINATIONS - SED. GALLERY	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
27	EQ BASIN ELECTRICAL	116,400.00	64,940.00	0.00	0.00%	0.00	64,940.00	55.79	51,460.00	3,247.00
27.01	FURNISH & INSTALL CONDUIT - EQ. BASIN	40,000.00	10000.00	0.00	0.00%	0.00	10000.00	25.00	30,000.00	500.00
27.02	INST. NEW BREAKERS EX. PANELS - EQ BASIN	3,400.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,400.00	0.00
27.03	F&I NEW TOSHIBA VFD - EQ BASIN	67,000.00	54940.00	0.00	0.00%	0.00	54940.00	82.00	12,060.00	2,747.00
27.04	WIRING & TERMINATIONS - EQ BASIN	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
28	SBR ELECTRICAL WORK	234,500.00	38,500.00	0.00	0.00%	0.00	38,500.00	16.42	196,000.00	1,925.00
28.01	F&I CONDUIT & PULL BOXES - SBR	154,000.00	38500.00	0.00	0.00%	0.00	38500.00	25.00	115,500.00	1,925.00
28.02	FURNISH ELECTRICAL SWGR - SBR	4,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,500.00	0.00
28.03	INSTALL ELECTRICAL SWGR - SBR	68,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	68,000.00	0.00
28.04	WIRING & TERMINATIONS - SBR	8,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,000.00	0.00
29	TERT. FILTER & AIR COMPRESSOR ELECTRICAL	13,600.00	6,800.00	0.00	0.00%	0.00	6,800.00	50.00	6,800.00	340.00
29.01	CONDUIT & WIRE - TERT FILTER & AIR COMP	13,600.00	6800.00	0.00	0.00%	0.00	6800.00	50.00	6,800.00	340.00

30	AEROBIC DIGESTER AND ASSC. EQUIP ELECT	54,200.00	27,100.00	0.00	0.00%	0.00	27,100.00	50.00	27,100.00	1,355.00
30.01	CONDUIT & WIRE - AEROBIC DIGESTER	54,200.00	27100.00	0.00	0.00%	0.00	27100.00	50.00	27,100.00	1,355.00
31	SITE ELECTRICAL, SCE SERVICE, AND INSTR	899,500.00	259,020.00	87,480.00	9.73%	0.00	346,500.00	38.52	553,000.00	17,325.00
31.01	CONTROL SYSTEM ENGINEERING & DRAWINGS	20,000.00	20000.00	0.00	0.00%	0.00	20000.00	100.00	0.00	1,000.00
31.02	FURNISH FIELD INSTRUMENTS	120,000.00	120000.00	0.00	0.00%	0.00	120000.00	100.00	0.00	6,000.00
31.03	FURNISH MCC-1, MCC-2, VFD AND BUCKETS	160,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	160,000.00	0.00
31.04	FURNISH & INSTALL PRECAST PULL BOXES	114,500.00	29770.00	27,480.00	24.00%	0.00	57250.00	50.00	57,250.00	2,862.50
31.05	ELECTRICAL DUCTBANK TERTIARY FILTER	50,000.00	32500.00	7,500.00	15.00%	0.00	40000.00	80.00	10,000.00	2,000.00
31.06	ELECTRICAL DUCTBANK AEROBIC DIGESTOR	60,000.00	21000.00	27,000.00	45.00%	0.00	48000.00	80.00	12,000.00	2,400.00
31.07	ELECTRICAL DUCTBANK CHEMICAL HANDLING	30,000.00	0.00	25,500.00	85.00%	0.00	25500.00	85.00	4,500.00	1,275.00
31.08	ELECTRICAL DUCTBANK PRIMARY SED	55,000.00	2750.00	0.00	0.00%	0.00	2750.00	5.00	52,250.00	137.50
31.09	ELECTRICAL DUCTBANK SBR'S	55,000.00	33000.00	0.00	0.00%	0.00	33000.00	60.00	22,000.00	1,650.00
31.10	INSTALL WIRE DUCTBANKS TERTIARY FILTER	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
31.11	INSTALL WIRE DUCTBANKS AEROBIC DIGESTOR	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
31.12	INSTALL WIRE DUCTBANKS CHEMICAL HANDLING	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
31.13	INSTALL WIRE DUCTBANK PRIMARY SED	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
31.14	INSTALL WIRE DUCTBANK SBR'S	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
31.15	TESTING AND STARTUP ASSISTANCE	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
31.16	AS-BUILT, O&M, AND CLOSEOUT	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
32	OVERALL PROJECT TESTING, CLEANUP, ETC	39,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	39,600.00	0.00
32.01	STARTUP AND TESTING	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
32.02	FINAL CLEANUP AND PUNCH LIST	4,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,600.00	0.00
<b>TOTAL:</b>		16,444,500.00	4,108,360.00	1,099,785.00	6.69%	0.00	5208145.00	31.67	11,236,355.00	260,407.25

**PAYMENT APPLICATION DETAILS**

Customer: TEMESCAL VALLEY WATER DISTRICT

Application Number: 7

Project: C1916-WATER RECLAMATION PLANT PHASE IV

For Period Ending: 05/31/2020

A	B	C	D	E		F	G		H	I
Item Number - Description	Scheduled Value	From Previous Application	This Period Value	Work Completed		Materials Presently Stored	Completed and Stored To Date	Total %	Balance To Finish	Retainage Value
				Total Percent this Period						
01	MOB, BONDS, SOV, PROJECT SCHEDULE	820,000.00	686,500.00	43,500.00	5.30%	0.00	730,000.00	89.02	90,000.00	36,500.00
02	SHEETING, SHORING, AND BRACING	6,100.00	2,440.00	1,220.00	20.00%	0.00	3,660.00	60.00	2,440.00	183.00
03	EROSION CONTROL	55,700.00	28,925.00	5,355.00	9.61%	0.00	34,280.00	61.54	21,420.00	1,714.00
04	SURVEY	24,200.00	14,520.00	2,420.00	10.00%	0.00	16,940.00	70.00	7,260.00	847.00
05	MAINTENANCE OF PLANT OPERATIONS	41,900.00	10,475.00	6,285.00	15.00%	0.00	16,760.00	40.00	25,140.00	838.00
06	SCE CONDUIT AND PULL BOX INSTALLATION	231,100.00	207,500.00	0.00	0.00%	0.00	207,500.00	89.79	23,600.00	10,375.00
07	DEMO, REMOVAL, ABANDONMENT IN PLACE, ETC	142,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	142,600.00	0.00
08	YARD PIPING, VALVES, AND APPURTENANCES	1,453,900.00	494,250.00	95,750.00	6.59%	0.00	590,000.00	40.58	863,900.00	29,500.00
09	GRADING	454,900.00	184,640.00	10,700.00	2.35%	0.00	195,340.00	42.94	259,560.00	9,767.00
10	ASPHALT FINE GRADING, ETC.	219,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	219,100.00	0.00
11	CONSTRUCTION SEQUENCING	48,700.00	5,000.00	15,000.00	30.80%	0.00	20,000.00	41.07	28,700.00	1,000.00
12	EQ BYPASS VAULT INCLUDING PIPING	153,700.00	139,350.00	1,850.00	1.20%	0.00	141,200.00	91.87	12,500.00	7,060.00
13	INFLUENT PUMP STATION	339,300.00	168,200.00	42,400.00	12.50%	0.00	210,600.00	62.07	128,700.00	10,530.00
14	HEADWORKS WASHER/COMPACTOR, ETC.	263,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	263,800.00	0.00
15	PRIMARY SEDIMENTATION TANK	3,190,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,190,200.00	0.00
16	SED TANK & DIGESTERS BIOFILTER SYSTEMS	695,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	695,800.00	0.00
17	EQUALIZATION BASIN PUMP STATION	336,200.00	54,000.00	0.00	0.00%	0.00	54,000.00	16.06	282,200.00	2,700.00
18	SBR TANKS AND EQUIPMENT PADS	1,907,100.00	334,250.00	563,150.00	29.53%	0.00	897,400.00	47.06	1,009,700.00	44,870.00
19	INSTALL OF OWNER FURNISHED SBR EQUIPMENT	164,200.00	6,050.00	0.00	0.00%	0.00	6,050.00	3.68	158,150.00	302.50
20	TERTIARY FILTERS	585,300.00	0.00	0.00	0.00%	0.00	0.00	0.00	585,300.00	0.00
21	TERTIARY FILTER AIR COMPRESSORS	33,900.00	29,400.00	0.00	0.00%	0.00	29,400.00	86.73	4,500.00	1,470.00
22	AEROBIC DIGESTERS	1,983,300.00	1,256,300.00	219,950.00	11.09%	0.00	1,476,250.00	74.43	507,050.00	73,812.50
23	AEROBIC DIGESTER MECHANICAL EQUIPMENT	1,598,900.00	34,700.00	0.00	0.00%	0.00	34,700.00	2.17	1,564,200.00	1,735.00



24	INFLUENT PUMP STATION ELECTRICAL	18,900.00	0.00	4,725.00	25.00%	0.00	4,725.00	25.00	14,175.00	236.25
25	HEADWORKS ELECTRICAL	9,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,900.00	0.00
26	PRIMARY SEDIMENTATION ELECTRICAL	308,000.00	55,500.00	0.00	0.00%	0.00	55,500.00	18.02	252,500.00	2,775.00
27	EQ BASIN ELECTRICAL	116,400.00	64,940.00	0.00	0.00%	0.00	64,940.00	55.79	51,460.00	3,247.00
28	SBR ELECTRICAL WORK	234,500.00	38,500.00	0.00	0.00%	0.00	38,500.00	16.42	196,000.00	1,925.00
29	TERT. FILTER & AIR COMPRESSOR ELECTRICAL	13,600.00	6,800.00	0.00	0.00%	0.00	6,800.00	50.00	6,800.00	340.00
30	AEROBIC DIGESTER AND ASSC. EQUIP ELECT	54,200.00	27,100.00	0.00	0.00%	0.00	27,100.00	50.00	27,100.00	1,355.00
31	SITE ELECTRICAL, SCE SERVICE, AND INSTR	899,500.00	259,020.00	87,480.00	9.73%	0.00	346,500.00	38.52	553,000.00	17,325.00
32	OVERALL PROJECT TESTING, CLEANUP, ETC	39,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	39,600.00	0.00
<b>TOTAL:</b>		16,444,500.00	4,108,360.00	1,099,785.00	6.69%	0.00	5208145.00	31.67	11,236,355.00	260,407.25

June 18, 2020

Board of Directors  
Temescal Valley Water District

Re: Water and Sewer Operations – May 2020

Dear Board Members:

Temescal Valley Water District operations personnel perform the following tasks on a regular and routine basis:

- Managed 380.21 acre-feet of water through system.
- Collected monthly potable water samples. We are now collecting four samples per week as required by the State Water Resources Control Board, Division of Drinking Water. Collected monthly and weekly wastewater samples as required by Regional Water Quality Control Board.
- Submitted monthly SMR for 2020 to the Regional Water Quality Control Board for: Temescal Valley Wastewater Reclamation Facility
- Submitted monthly report to the State Water Resources Control Board, Division of Drinking Water for: TVWD distribution system monitoring.
- Read 5922 water meters.
- 0 shut offs.
- Responded 80 service calls.
- Installed 30 meters for the various developers
- Responded to 79 USA Dig Alerts to mark District underground utilities.

In addition to the above regular and routine tasks we also performed the following operational tasks.

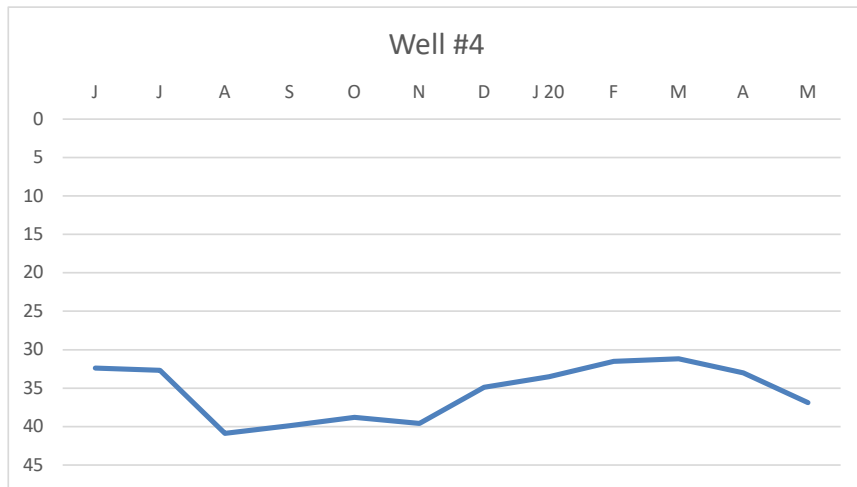
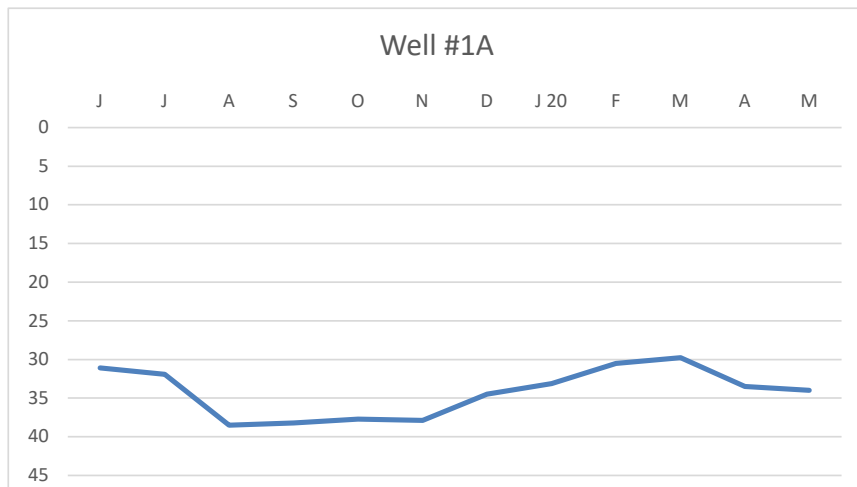
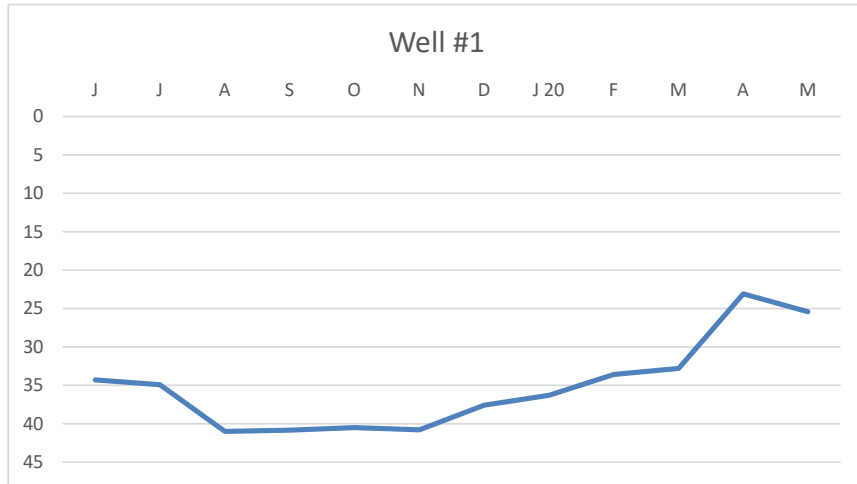
- Maintained aesthetic appearance of all District facilities.
- 8 loads of biosolids were hauled off this period.
- Well site TP-2 back in service after contractor replaced its level transducer.
- The Sump Well Booster Station was put back into service after a motor and a pump seal change-out.
- Staff responded to a potable water leak in the Wildrose area. Working with a contractor the necessary repairs were made in a timely manner to restore service to normal.

- Operations Staff continues to work with the plant expansion construction crews to plan for and facilitate system shutdowns and upgrades as needed.
- TVWD Staff continues to work at a high level to maintain all facilities in an excellent manner during these current Covid-19 times.

Sincerely,

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Paul Bishop, Superintendent



**TEMESCAL VALLEY WATER DISTRICT  
ENGINEERING DEPARTMENT**

**DISTRICT ENGINEER'S MONTHLY REPORT**

**Date:** June 18, 2020  
**To:** Jeff Pape, General Manager  
**From:** Justin Scheidel, District Engineer  
**Subject:** Engineering Activities Update for the Month of June 2020

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Following is a summary of the status of current engineering projects:

**PLAN CHECKING & DEVELOPER RELATED PROJECTS**

**Tract 33688 Water, Sewer and Recycled Plan Check (10555, Phase 6)** – 2<sup>nd</sup> plan check completed, comments returned to the Engineer for incorporation.

**Tract 37153 “Motor Court Development” (10555, Phase 11)** – Final plan check was approved and the mylars were signed for construction.

**CAPITAL IMPROVEMENT PROJECTS** **Status**

**Dawson Canyon 1320 Potable Water Reservoir Design (1401.1810):** Dawson Canyon Reservoir Design: Completed the 90% design submittal for the reservoir portion of the project. The preliminary alignment for the pipeline has been created and easement documents are currently being processed by the landowner for both the pipeline, and the reservoir site.

**90% Design Completed**

**AS-NEEDED ENGINEERING SERVICES** **Status**

***General Engineering Initiated During FY 2018/19***

Project 1401.1901: As-Needed Potable Water Engineering for FY 2019/20: Development of the district engineering report and attendance of the District's board meeting.

Project 1401.1902: Non-Potable Water Related Services for FY 2019/20: No activity this month.

Project 1401.1903: Wastewater Related Services for FY 2019/20: No activity this month.

Project 1401.1808: General GIS Support: As-required updating of the GIS database and re-formatting as-built catalog. General support provided for updating GIS information discovered during master plan updates. Completed updates for all new developments within the District and currently linking as-built drawings to online GIS database.

**Currently 95% Complete**

Project 1401.1811: Water System Master Plan Update: Draft water system master plan submitted to the General Manager for review. We will work with the general manager to review the document, run additional operation scenarios in the model, and provide a final master plan to the District for future development planning.

**Draft Report Completed**

Project 1401.1812: Non-Potable Master Plan Update: Draft non-potable water system master plan submitted to the General Manager for review. We will work with the general manager to review the document, run additional operation scenarios in the model, and provide a final master plan to the District for future development planning.

**Draft Report Completed**

Project 1401.1815: Sewer System Master Plan Update: Completed import of GIS information into the model. Currently wrapping up edits to the sewer system and fixing bugs to facilitate calibration of the model and drafting of the master plan report.

**Draft Report Completed**

Project 1401.1906: Knabe Road Potable Waterline: Completed final project documents. Currently the project is out for public bid with a scheduled bid date of July 16, 2020

**Complete/out to bid**

Project 1401.1907: Trilogy Reservoir Rehabilitation: The project was bid on 12/19/19 with two responsive bidders. The board has decided to re-bid the project removing the interior coating rehabilitation from the bid to fit within budget constraints. The bid documents were revised and the project was placed out to bid with a scheduled bid date of July 9, 2020.

**Complete/out to bid**

Project 1401.1908: Emergency Ag-Line Repair: The project is completed and the pipeline has resumed operation.