

**AGENDA FOR THE REGULAR MEETING OF THE
BOARD OF DIRECTORS OF THE
TEMESCAL VALLEY WATER DISTRICT
JANUARY 28, 2020, 8:30 A.M. AT
THE DISTRICT'S ADMINISTRATIVE OFFICE
22646 TEMESCAL CANYON ROAD,
TEMESCAL VALLEY, CALIFORNIA 92883**

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 January 25, 2020.

Allison Harnden, Office Manager

**AGENDA FOR REGULAR MEETING
January 28, 2020**

Page No.

1. **Roll Call and Call to Order.**
2. **Presentations and Acknowledgments.**
3. **Public Comment.**

BOARD ITEMS:

4. **Minutes of the December 17, 2019 Regular Meeting.** **6-8**
RECOMMENDATION: Approve Minutes as written.
5. **Payment Authorization Report.** **9-13**
RECOMMENDATION: Approve Report and authorize payment of the December 17, 2019-January 28, 2020 invoices.
6. **Revenue & Expenditure Reports. (Unaudited).** **14-36**
 - a. Revenue & Expenditure Reports.
RECOMMENDATION: Note and file.
 - b. Lien update. **37**
RECOMMENDATION: Note and file.
7. **Trilogy Development.**
 - a. Homeowners Association update. **(-)**
 - b. Golf Course update. **(-)**
8. **Sycamore Creek Development.**
 - a. Project Update. **(-)**
 - b. 1738 homes to be built. 1699 houses occupied to date. 98% complete.

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9. Retreat Development.	(-)
a. Project Update.	
10. Terramor Development (Forestar Toscana).	
a. Project Update.	(-)
b. 1443 homes to be built. 402 houses occupied to date. 28% complete.	
11. Harmony Grove (Griffin Homes).	(-)
a. Project Update.	
b. 50 homes to be built. 18 houses released to date.	
12. Water Utilization Reports.	38-50
RECOMMENDATION: Note and file.	
13. Sustainable Groundwater Management Act.	(-)
a. Project Update.	
14. Committee Reports.	
a. Finance/Legislation (Director Rodriguez).	(-)
b. Engineering/Operations (Director Myers).	(-)
c. Public Relations (Allison Harnden).	(-)
15. General Manager's Report.	
a. General Manager's Report.	51-52
b. Pacific Hydrotech Corporation Payment Request #2.	53-68
RECOMMENDATION: Authorize the payment of \$288,971.00 to Pacific Hydrotech as well as a retention payment of \$15,209.00 to be deposited into an Escrow Account for a total of \$304,180.00.	

	<u>Page No.</u>
c. Baja Construction Solar Ready Carports. RECOMMENDATION: Authorize the purchase and installation of solar ready car and equipment storage covers in the amount of \$73,668.54.	69-74
16. Operations Report. a. Water and Sewer Operations.	75-77
17. District Engineer's Report. a. Status of Projects.	78-79
18. District Counsel's Report.	(-)
19. Seminars/Workshops.	(-)
20. Consideration of Correspondence. An informational package containing copies of all pertinent correspondence for the Month of December will be distributed to each Director along with the Agenda.	80
21. Adjournment.	(-)

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

December 17, 2019

PRESENT

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

ABSENT

D. Harich

GUESTS

C. Colladay
T. Davis
J. Sincich

STAFF

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

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** – Tracy Davis reported that the acorns are sprouting and they will begin planting them in January at Seven Oaks Nursery.

BOARD ITEMS:

4. Minutes of the November 26, 2019 Regular Meeting.

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

5. Payment Authorization Report.

ACTION: Director Rodriguez moved to approve the November 26-December 17, 2019 invoices. Director Myers seconded. Motion carried unanimously.

6. Revenue & Expenditure Reports. (Unaudited).

a. Revenue & Expenditure Reports.

ACTION: Note and file.

7. **Trilogy Development.**
 - a. Homeowners Association update.
 - b. Golf Course update.
8. **Sycamore Creek Development.**
 - a. Project Update.
 - b. 1738 homes to be built. 1698 houses occupied to date. 98% complete.
9. **Retreat Development.**
 - a. Project Update.
10. **Terramor Development (Forestar Toscana).**
 - a. Project Update.
 - b. 1443 homes to be built. 385 houses released to date.
11. **Harmony Grove (Griffin Homes).**
 - a. Project Update.
 - b. 50 estimated homes to be built. 15 houses released to date.
12. **Water Utilization Reports.**

ACTION: Note and file.
13. **Sustainable Groundwater Management Act.**
 - a. Project Update.
14. **Committee Reports.**
 - a. Finance/Legislative (Director Rodriguez) – Director Rodriguez asked staff to schedule a meeting in January to discuss solar panels.
 - b. Engineering/Operations (Director Myers).
 - c. Public Relations (Allison Harnden).

15. General Manager’s Report.

a. General Manager’s Report – The General Manager reported on current projects.

b. Pacific Hydrotech Corporation Payment Request.

ACTION: Director Butler moved to authorize the payment of \$606,812.50, as well as a retention payment of \$31,937.50 into escrow. Director Myers seconded. Motion carried unanimously.

16. Operations Report.

a. Water and sewer operations.

17. District Engineer’s Report.

a. Status of Projects.

18. District Counsel’s Report.

19. Seminars/Workshops.

20. Consideration of Correspondence.

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

21. Adjournment.

There being no further business, the December 17, 2019 Regular Meeting of the Temescal Valley Water District Board of Directors was adjourned at 9:52 a.m. by President Colladay.

ATTEST:

APPROVED:

Paul Rodriguez, Secretary

Charles Colladay, President

Date: _____

Date: _____

**TEMESCAL VALLEY WATER DISTRICT
 PAYMENT AUTHORIZATION REPORT
 JANUARY 28, 2020

Check #	Date	Payee ID	Payee	Amount	
23408	12/17/19		VOID	\$ -	
23409	12/17/19	CO	CHARLES W. COLLADAY	301.07	
23410	12/17/19	FM	FRED H. MYERS	243.87	
23411	12/17/19	JB	JOHN B. BUTLER	246.37	
23412	12/17/19	RO	PAUL RODRIGUEZ	246.37	
23413	12/17/19		VOID	-	
23414	12/17/19	AD	PAYROLL	-	
23415	12/17/19	BE	PAYROLL	-	
23416	12/17/19	CG	PAYROLL	-	
23417	12/17/19	CL	PAYROLL	-	
23418	12/17/19	DB	PAYROLL	-	
23419	12/17/19	JH	PAYROLL	-	
23420	12/17/19	KN	PAYROLL	-	
23421	12/17/19	LK	PAYROLL	-	
23422	12/17/19	MM	PAYROLL	-	
23423	12/17/19	PB	PAYROLL	-	
23424	12/19/19	AG	AIRGAS	986.89	
23425	12/19/19	AGSI	AUTOMATED GATE SERVICES INC	169.00	
23426	12/19/19	AS01	ASJ INDUSTRIAL HOSE & FITTING INC.	53.66	
23427	12/19/19	ATT01	VOID	-	
23428	12/19/19	ATTM	AT & T MOBILITY	676.32	
23429	12/19/19	BGM	BIG GIANT MEDIA	54.90	
23430	12/19/19	BLIC	BENEFICIAL LIFE INS COMPANY	759.54	
23431	12/19/19	CA16	CALIFORNIA CHOICE BENEFIT ADMINISTRATOR	5,385.87	
23432	12/19/19	CAM	CHANDLER INVESTMENT MANAGEMENT	1,000.00	
23433	12/19/19	CE01	CENTRAL COMMUNICATIONS	177.28	
23434	12/19/19	CZ	CHRISTINA ZENDEJAS	636.70	
23435	12/19/19	DWEI	DEXTER WILSON ENGINEERING INC	7,930.35	CAP-CM SBR CONTROLS
23436	12/19/19	FE01	FEDERAL EXPRESS	63.21	
23437	12/19/19	GR08	GRISWOLD INDUSTRIES (CAL-VAL)	24,131.76	SERVICE & REBUILD VALVES
23438	12/19/19		VOID		
23439	12/19/19	HES	HOLLOWAY ENVIRONMENTAL SOLUTIONS	2,340.00	
23440	12/19/19	HO01	HOME DEPOT CREDIT SERVICES	1,422.10	
23441	12/19/19	MH01	MCFADDEN-DALE HARDWARE CO.	1,165.07	
23442	12/19/19	MITI	MORR-IS TESTED IN	4,160.00	
23443	12/19/19	NC	NORTHSTAR CHEMICAL	4,773.84	
23444	12/19/19	SRK	SRK ENGINEERING	40,554.76	CAP-EMER FRWY REPAIR
23445	12/19/19	ST02	STATE COMPENSATION INSUR.FUND	2,281.25	
23446	12/19/19	SWRCB-1	WATER BOARDS-SWRCB	22,906.40	BOARD FEES

**TEMESCAL VALLEY WATER DISTRICT
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Check #	Date	Payee ID	Payee	Amount	
23447	12/19/19	TCI	T C CONSTRUCTION COMPANY, INC	2,806.20	AG LINE REPAIR(ROCKS)
23448	12/19/19	TR01	TRAN CONTROLS SCADA SOLUTIONS, LLC.	4,645.11	
23449	12/19/19	TR012	TRAN CONTROLS SCADA SOLUTIONS, LLC.	22,897.41	WELL PLC\HEADWORKS\BAR SCREEN/SCADA
23450	12/19/19	TWC	SPECTRUM BUSINESS	1,018.52	
23451	12/19/19	UBB	USA BLUEBOOK	744.25	
23452	12/19/19	WA01	WASTE MANAGEMENT - INLAND EMPIRE	338.62	
23453	12/19/19	WE01	WESTERN MUNICIPAL WATER DISTR.	12,801.17	
23454	12/19/19		VOID	-	
23455	12/27/19	AD	PAYROLL	-	
23456	12/27/19	BE	PAYROLL	-	
23457	12/27/19	CG	PAYROLL	-	
23458	12/27/19	CL	PAYROLL	-	
23459	12/27/19	DB	PAYROLL	-	
23460	12/27/19	JH	PAYROLL	-	
23461	12/27/19	KN	PAYROLL	-	
23462	12/27/19	LK	PAYROLL	-	
23463	12/27/19	MM	PAYROLL	-	
23464	12/27/19	PB	PAYROLL	-	
23465	12/27/19	MM	PAYROLL	-	
23466	12/23/19	ATT01	AT&T	599.22	
23467	12/23/19	XI	XALOGY INC	3,435.25	
23468-23473	12/23/19		VOID	-	
23474	12/27/19	REFUND	JEFFERY LARSEN	300.00	
23475	12/27/19	REFUND	BRIAN CARTER	32.85	
23476	12/27/19	REFUND	FEDERICK WOOD	264.57	
23477	12/27/19	REFUND	BRIDGETTE MOORE	14.72	
23478	12/27/19	REFUND	SARAH JACKSON	205.44	
23479	12/27/19	REFUND	JONATHAN SILVA	216.85	
23480	12/27/19	REFUND	TAMEKA BALDWIN	26.10	
23481	12/27/19	REFUND	ABRAHAM SAID	142.91	
23482	12/27/19	REFUND	MARK BURCHAM	229.53	
23483	12/27/19	REFUND	CYNTHIA SALDIVAR	256.18	
23484	12/27/19	REFUND	HENRY ASPORT	69.78	
23485	12/27/19	REFUND	AMBER VERRETTE	106.52	
23486	12/27/19	REFUND	JENNIFER PRICER	199.09	
23487	12/27/19	REFUND	KENNETH WALKER	252.00	
23488	12/27/19	REFUND	WEI SHYAKU	149.37	
23489	12/27/19	REFUND	ROBERT SIGUR	184.88	
23490	12/27/19	REFUND	MAVANY SERRANO	193.83	

**TEMESCAL VALLEY WATER DISTRICT
 PAYMENT AUTHORIZATION REPORT
 JANUARY 28, 2020

Check #	Date	Payee ID	Payee	Amount	
23491	12/27/19	REFUND	CARNEKIA ROBINSON	72.15	
23492	12/27/19	REFUND	WU LIN	179.34	
23493	12/27/19	REFUND	YU JIAO ZOU	236.56	
23494	12/27/19	ST01	STAPLES CREDIT PLAN	1,216.69	
23495	12/27/19	USB01	US BANK GOVERNMENT SERVICES	2,932.98	
23496	12/27/19	DU01	DUDEK & ASSOCIATES-CONTRACT MGT	21,185.20	
23497	12/27/19	DU04	DUDEK & ASSOCIATES-ENGINEERING	21,145.00	CAP-EMER AG LINE/TRILOGY RES REFURB
23498	12/27/19	DU02	DUDEK & ASSOCIATES-SPECIAL PJTS	3,758.75	
23499	12/27/19	DU03	DUDEK & ASSOCIATES-PASS THRU	3,515.00	
23500.	12/27/19		VOID	-	
23501	1/2/20	EL	EDUARDO LOPEZ-TRK MAINT	80.00	
23502	1/3/20	SO03	SOUTHERN CALIF EDISON CO.	30,134.84	
23503-23512	1/10/20	PR	VOID	-	
23513	1/10/20	AD	PAYROLL	-	
23514	1/10/20	BE	PAYROLL	-	
23515	1/10/20	CG	PAYROLL	-	
23516	1/10/20	CL	PAYROLL	-	
23517	1/10/20	DB	PAYROLL	-	
23518	1/10/20	JH	PAYROLL	-	
23519	1/10/20	KN	PAYROLL	-	
23520	1/10/20	LK	PAYROLL	-	
23521	1/10/20	MM	PAYROLL	-	
23522	1/10/20	PB	PAYROLL	-	
23523	1/9/20	FI01	FIDELITY INVESTMENTS	700.00	
23524	1/9/20	FI01	FIDELITY INVESTMENTS	911.39	
23525	1/9/20	FI01	FIDELITY INVESTMENTS	747.00	
23526	1/9/20	FI01	FIDELITY INVESTMENTS	700.00	
23527	1/10/20	ACSI	ALEXANDER'S CONTRACT SERVICES, INC.	5,506.20	
23528	1/10/20	BA01	BABCOCK LABORATORIES, INC	7,193.00	
23529	1/10/20	DSC	DATABASE SYSTEMS CORP.	185.04	
23530	1/10/20	ITL	INSITUFORM TECHNOLOGIES LLC	90,175.65	CAP-EMER REP AG LINE
23531	1/10/20	MU01	WILLDAN FINANCIAL SERVICES	8,901.32	
23532	1/10/20	UN01	UNDERGROUND SERVICE ALERT	106.11	
23533	1/10/20	WA01	WASTE MANAGEMENT - INLAND EMPIRE	285.22	
23534	1/10/20	XI	XALOGY INC	3,435.25	
23535	1/10/20	USB01	US BANK GOVERNMENT SERVICES	3,146.97	
23536	1/10/20		PACIFIC TILE AND CARPET CLEANI	1,500.00	
23537	1/16/20	RO	PAUL RODRIGUEZ	246.37	
23538	1/17/20	AGSI	AUTOMATED GATE SERVICES INC	341.50	

**TEMESCAL VALLEY WATER DISTRICT
 PAYMENT AUTHORIZATION REPORT
 JANUARY 28, 2020

Check #	Date	Payee ID	Payee	Amount	
23539	1/17/20	ATT01	AT&T	599.22	
23540	1/17/20	ATTM	AT & T MOBILITY	677.86	
23541	1/17/20	BA01	BABCOCK LABORATORIES, INC	18.11	
23542	1/17/20	BEP	BARRETT ENGINEERED PUMPS	1,422.30	
23543	1/17/20	BGM	BIG GIANT MEDIA	299.80	
23544	1/17/20	CA16	CALIFORNIA CHOICE BENEFIT ADMINISTRATOR	5,462.01	
23545	1/17/20	CAM	CHANDLER INVESTMENT MANAGEMENT	1,000.00	
23546	1/17/20	CM01	CORE & MAIN	18,199.62	METERS
23547	1/17/20	CO06	CORONA ROSE FLOWERS & GIFTS	614.13	
23548	1/17/20	DPCI	DON PETERSON CONTRACTING, INC.	2,836.00	
23549	1/17/20	DU01	DUDEK & ASSOCIATES-CONTRACT MGT	18,120.80	
23550	1/17/20	DU02	DUDEK & ASSOCIATES-SPECIAL PJTS	53,590.25	CAP-DC RES DESIGN/SSMP/GIS
23551	1/17/20	DWEI	DEXTER WILSON ENGINEERING INC	11,092.00	CAP-CM SBR CONTROLS
23552	1/17/20	FE01	FEDERAL EXPRESS	89.61	
23553	1/17/20	GMDM	GUTIRREZ MAINTENANCE/ DANIEL GUTIERREZ	350.00	
23554	1/17/20	GR02	GRAINGER INC.	188.25	
23555	1/17/20	GR08	GRISWOLD INDUSTRIES (CAL-VAL)	3,500.65	
23556	1/17/20	HES	HOLLOWAY ENVIRONMENTAL SOLUTIONS	2,286.38	
23557	1/17/20	HO01	HOME DEPOT CREDIT SERVICES	900.38	
23558	1/17/20	MCCO	MUROW CM	26,118.75	CAP-CMPLT EXPAN
23559	1/17/20	PA02	PARKSON CORPORATION	603,865.48	CAP-SBR CONTROLS
23560	1/17/20	PCE	PACIFIC COAST ENVELOPE INC	3,035.64	
23561	1/17/20	PLIC	PROTECTIVE LIFE INSURANCE COMPANY	117.60	
23562	1/17/20	PLM01	PARRA LANDSCAPE MAINTENANCE	45.00	
23563	1/17/20	PPE	PRIVATE PEST EXTERMINATORS	572.00	
23564	1/17/20	SEMA	SEMA INC.	1,293.84	
23565	1/17/20	ST01	STAPLES CREDIT PLAN	104.00	
23566	1/17/20	ST02	STATE COMPENSATION INSUR.FUND	2,281.25	
23567	1/17/20	TNP	TOP NOTCH PLUMBING	219.78	
23568	1/17/20	TWC	SPECTRUM BUSINESS	1,016.49	
23569	1/17/20	UBB	USA BLUEBOOK	1,527.47	
23570	1/17/20	WE01	WESTERN MUNICIPAL WATER DISTR.	192,797.30	
23571	1/17/20	WSL	WATER SOLVE LLC	18,102.00	SLUDGE BAGS
23572	1/17/20	XI	XALOGY INC	3,435.25	
23573	1/17/20	HWS	HYDROCURRENT WELL SERVICES LLC	12,326.84	CAP-WELL REHAB
23574-23576	1/17/20		VOID	-	
23577	1/17/20	RI01	COUNTY OF RIVERSIDE	30.00	
Total				\$ 1,371,470.54	

**TEMESCAL VALLEY WATER DISTRICT
PAYMENT AUTHORIZATION REPORT
JANUARY 28, 2020

Check #	Date	Payee ID	Payee	Amount
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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

1/28/20

Date

TEMESCAL VALLEY WATER DISTRICT
INTERNAL BALANCE SHEET
31-Dec-19

ASSETS

Fixed Assets (net of accumulated depreciation)			
Land		\$	902,118
Treatment Plants			13,428,387
Capacity Rights			13,503,639
Water System, Reservoir & Wells			8,557,790
Water & Sewer Mains			31,325,000
General Equipment Sewer/Water/ Furniture			687,459
Buildings & Entrance Improvements			353,601
			\$ 68,757,995
Current Assets			
Cash - Wastewater	12,064,684		
Cash - Water	13,604,406		
Cash - ID #1	591,496		
Cash - ID #2	356,730		
Cash - Nonpotable	2,957,480		
Cash - Deposits	989,130		30,563,926
Accounts Receivable-Services/Developers			1,051,507
Assessment Receivable			215,715
Interest Receivable			186,000
Prepaid Expenses			31,889
Inventory			45,529
			32,094,565
Other Assets			
Work-in-Process			653,661
Deferred Outflows - Pension		\$	197,154
TOTAL ASSETS		\$	101,703,374

LIABILITIES

Current Liabilities			
Accounts Payable		\$	1,413,183
Security Deposits			285,354
Payroll & Payroll Taxes Payable			17,657
Capacity & Meter Deposits			115,530
Fiduciary Payments Payable			271,683
Developer Deposits			303,451
Other Deposits			13,112
			2,419,970
Long-term Liabilities			
TVRP Note			1,152,458
Deferred Inflows - Pension			83,543
TOTAL LIABILITIES		\$	3,655,971

FUND EQUITY

Fund Balances			
Waste Water Fund Balance			35,023,760
Water Fund Balance			48,341,499
ID #1 Fund Balance			618,803
ID #2 Fund Balance			542,424
Recycled Water Fund Balance			13,520,918
TOTAL FUND EQUITY		\$	98,047,403
TOTAL LIABILITIES & FUND EQUITY		\$	101,703,374

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET 2019-2020	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<u>WASTEWATER DEPARTMENT</u>								
OPERATING REVENUE:								
MONTHLY SEWER SERVICE CHARGE	202,553	206,250	(3,697)	1,197,826	1,207,500	(9,674)	\$ 2,475,000	(1,277,174)
MONTHLY SERVICE CHARGE-ID #1	10,766	10,766	-	64,598	64,598	-	137,000	(72,402)
MONTHLY SERVICE CHARGE-ID #2	12,178	12,178	-	73,068	73,068	-	155,000	(81,932)
MONTHLY SEWER SERVICE CHG-R COM	9,118	9,583	(465)	57,171	57,498	(327)	115,000	(57,829)
MISC UTILITY CHARGES/ REVENUE	2,863	417	2,446	17,459	2,502	14,957	5,000	12,459
STANDBY CHARGES	-	-	-	-	-	-	110,000	(110,000)
CFD REIMBURSEMENTS	10,000	10,000	-	10,000	10,000	-	20,000	(10,000)
INSPECTION CHARGES	5,702	4,167	1,535	21,515	-	21,515	50,000	(28,485)
TOTAL WASTEWATER REVENUE	253,180	253,361	(181)	1,441,637	1,415,166	26,471	3,067,000	(1,625,363)
OPERATING EXPENSES:								
PLANT WAGES EXPENSE	12,401	12,500	(99)	66,995	66,750	245	150,700	(83,705)
INSPECTION WAGES EXPENSE	3,272	3,925	(653)	17,481	17,500	(19)	34,000	(16,519)
PAYROLL TAXES EXP	255	231	24	1,377	1,500	(123)	3,000	(1,623)
EMPLOYEE BENEFITS-INS	948	950	(2)	5,662	5,700	(38)	18,250	(12,588)
EMPLOYEE BENEFITS-RETIREMENT	1,252	1,225	27	7,085	7,350	(265)	20,200	(13,115)
OVERTIME EXP	2,400	850	1,550	14,480	5,100	9,380	10,000	4,480
MILEAGE EXP	60	100	(40)	545	600	(55)	1,200	(655)
VACATION EXP	624	740	(116)	3,745	4,450	(705)	8,900	(5,155)
ELECTRICIAN LABOR COSTS	-	420	(420)	-	2,520	(2,520)	5,000	(5,000)
SCADA SYSTEM ADMIN/MAINT	-	830	(830)	3,697	5,000	(1,303)	10,000	(6,303)
LABORATORY TESTING COSTS	1,579	1,834	(255)	7,074	11,000	(3,926)	22,000	(14,926)
SLUDGE DISPOSAL/PUMPING COSTS	2,966	4,200	(1,234)	19,298	25,200	(5,902)	50,000	(30,702)
SLUDGE DISPOSAL BAG EXP	18,102	25,000	(6,898)	18,102	25,000	(6,898)	25,000	(6,898)
SLUDGE CHEMICAL EXP	-	2,900	(2,900)	-	17,500	(17,500)	35,000	(35,000)
EQUIPMENT RENTAL COSTS	-	170	(170)	-	1,000	(1,000)	2,000	(2,000)
EQUIPMENT REPAIRS & MAINT.	17,587	17,000	587	129,859	100,000	29,859	200,000	(70,141)
SEWER LINE REPAIRS/CLEANING	-	850	(850)	-	5,000	(5,000)	10,000	(10,000)
SEWER CLEANING AND VIDEO EXP	-	850	(850)	36,690	5,000	31,690	10,000	26,690
SECURITY AND ALARM EXP	-	250	(250)	-	1,500	(1,500)	3,000	(3,000)
PROPERTY MAINTENANCE	681	3,500	(2,819)	15,285	20,000	(4,715)	40,000	(24,715)
ENGINEERING/ADMIN. STUDIES	-	1,700	(1,700)	21,680	20,000	1,680	20,000	1,680
ENERGY COSTS	12,720	17,500	(4,780)	125,481	105,000	20,481	210,000	(84,519)
CONSUMABLE SUPPLIES & CLEANING	360	850	(490)	2,483	5,000	(2,517)	10,000	(7,517)
CHEMICALS, LUBRICANTS & FUELS	13,097	8,300	4,797	87,694	50,000	37,694	100,000	(12,306)
SMALL EQUIPMENT & TOOLS COST	6,249	1,250	4,999	17,524	15,000	2,524	15,000	2,524
PERMITS, FEES & TAXES (WTR BRD FEE)	1,968	2,100	(132)	12,696	12,500	196	25,000	(12,304)
SAWPA BASIN MONITORING EXP	-	-	-	14,165	15,000	(835)	25,000	(10,835)
MAP UPDATING/GIS EXP	-	170	(170)	-	1,000	(1,000)	2,000	(2,000)
MISC. OPERATING EXP	-	80	(80)	-	500	(500)	1,000	(1,000)
BAD DEBT EXPENSES	-	-	-	-	750	(750)	1,500	(1,500)
CONTINGENCIES	-	3,425	(3,425)	-	20,550	(20,550)	41,075	(41,075)
TOTAL OPERATING EXPENSES	96,521	113,700	(17,179)	629,098	572,970	56,128	1,108,825	(479,727)

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
ADMINISTRATIVE EXPENSES:								
CONTRACT MANAGEMENT	7,248	8,500	(1,252)	47,496	51,000	(3,504)	102,000	(54,504)
GENERAL ENGINEERING EXP	-	1,250	(1,250)	10,821	7,500	3,321	15,000	(4,179)
EMPLOYEE BENEFITS-INS	782	800	(18)	3,979	4,800	(821)	19,700	(15,721)
EMPLOYEE BENEFITS-RETIREMENT	2,370	2,050	320	15,020	12,250	2,770	24,500	(9,480)
ANNUAL ASSESSMENT EXP	-	2,500	(2,500)	2,842	3,000	(158)	5,000	(2,158)
PLAN CHECK & INSPECTION EXP	-	850	(850)	-	5,000	(5,000)	10,000	(10,000)
WAGES EXPENSE	14,998	14,600	398	80,326	87,600	(7,274)	175,000	(94,674)
VACATION EXP	797	1,000	(203)	4,783	6,000	(1,217)	12,320	(7,537)
PAYROLL TAX EXPENSES	240	220	20	1,370	1,400	(30)	2,800	(1,430)
OVERTIME EXP	-	100	(100)	-	500	(500)	1,000	(1,000)
MILEAGE EXP ADMIN	-	50	(50)	-	250	(250)	500	(500)
CONTRACT STAFFING EXP	-	-	-	-	-	-	2,000	(2,000)
LEGAL EXPENSES	-	850	(850)	1,300	5,000	(3,700)	10,000	(8,700)
AUDIT EXPENSES	-	-	-	-	-	-	5,700	(5,700)
BOARD COMMITTEE MEETING EXP.	322	1,000	(678)	4,128	6,000	(1,872)	12,000	(7,872)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	4,000	(4,000)
COMPUTER SYSTEM ADMIN	1,374	1,500	(126)	8,547	9,000	(453)	18,000	(9,453)
BANK CHARGES EXP	2,429	2,100	329	14,532	12,500	2,032	25,000	(10,468)
MISCELLANEOUS & EDUCATION EXP	254	250	4	1,393	1,500	(107)	3,000	(1,607)
TELEPHONE, FAX & CELL EXP	988	1,000	(12)	8,126	6,000	2,126	12,000	(3,874)
OFFICE SUPPLIES EXP	984	1,250	(266)	7,351	7,500	(149)	15,000	(7,649)
PRINTING EXPENSES	-	420	(420)	3,729	2,500	1,229	5,000	(1,271)
POSTAGE & DELIVERY EXPENSE	1,051	1,200	(149)	6,389	7,000	(611)	14,000	(7,611)
PUBLICATIONS, NOTICES & DUES	-	60	(60)	820	325	495	750	70
EQUIPMENT LEASE EXPENSES	804	600	204	4,050	3,500	550	7,000	(2,950)
INSURANCE EXPENSES	1,778	2,350	(572)	10,672	14,000	(3,328)	28,000	(17,328)
COMMUNITY OUTREACH EXP	-	-	-	3,950	4,000	(50)	8,000	(4,050)
INVESTMENT EXP	400	400	-	2,033	2,400	(367)	4,800	(2,767)
TOTAL ADMINISTRATIVE EXPENSES	36,819	44,900	(8,081)	243,657	260,525	(16,868)	542,070	(298,413)
TOTAL WASTEWATER EXPENSES		158,600	(158,600)	872,755	833,495	39,260	1,650,895	(778,140)
NET OPERATING REVENUE/EXPENSE	253,180	94,761	158,419	568,882	581,671	(12,789)	1,416,105	(847,223)
NON-OPERATING SOURCE OF FUNDS:								
OTHER REVENUE REIMB-MANDATE COSTS	-	-	-	-	-	-	-	-
INTEREST INCOME/UNREALIZED GAIN ON INV	11,780	6,600	5,180	84,323	40,000	44,323	80,000	4,323
PROPERTY TAX INCOME	-	-	-	-	-	-	70,000	(70,000)
TOTAL NON-OPER SOURCE OF FUNDS	11,780	6,600	5,180	84,323	40,000	44,323	150,000	(65,677)
TOTAL SEWER REVENUE/EXPENSE	264,960	101,361	163,599	653,205	621,671	31,534	1,566,105	(912,900)
TRANSFER TO CAPITAL FUND-REPLACEMENT				267,640				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				385,565				
CONNECTION FEES				-				
				-				

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

WASTE WATER CAPITAL FUND:

ENDING FUNDS AVAILABLE 2018-2019	12,413,541
TRANSFER FOR CAPITAL FUND REPLACEMENT	267,640
TRANSFER FOR CAPITAL IMPROVEMENTS	385,565
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	<u>(1,094,131)</u>
TOTAL FUNDS AVAILABLE	<u>11,972,615</u>

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
<u>WATER DEPARTMENT</u>								
OPERATING REVENUE:								
WATER SERVICE CHARGE	137,294	138,000	(706)	813,583	830,000	(16,417)	1,660,000	(846,417)
WATER USAGE CHARGES	234,658	230,000	4,658	2,300,756	2,170,000	130,756	4,340,000	(2,039,244)
WATER PUMPING CHARGE	9,429	10,000	(571)	90,250	82,500	7,750	165,000	(74,750)
FIRE PROTECTION CHARGES	3,086	2,920	166	18,635	17,520	1,115	35,000	(16,365)
MISC. UTILITY CHARGES	3,666	2,920	746	21,587	17,520	4,067	35,000	(13,413)
SERVICE METER INCOME	5,100	8,000	(2,900)	55,300	48,000	7,300	100,000	(44,700)
CELLULAR SITE LEASE	-	2,500	(2,500)	15,139	15,000	139	54,000	(38,861)
MWD READINESS TO SERVE CHARGE	10,187	12,500	(2,313)	60,046	75,000	(14,954)	150,000	(89,954)
STANDBY CHARGES	-	-	-	-	-	-	41,000	(41,000)
CFD REIMBURSEMENTS	10,000	10,000	-	10,000	10,000	-	20,000	(10,000)
INSPECTION CHARGES	4,990	3,750	1,240	18,824	22,500	(3,676)	45,000	(26,176)
TOTAL WATER REVENUE	418,410	420,590	(2,180)	3,404,120	3,288,040	116,080	6,645,000	(3,240,880)
OPERATING EXPENSES:								
WAGES EXPENSE	10,851	11,000	(149)	58,620	66,000	(7,380)	132,000	(73,380)
INSPECTION WAGES EXPENSE	2,863	2,500	363	15,297	15,000	297	29,800	(14,503)
PAYROLL TAXES EXP	224	220	4	1,207	1,320	(113)	2,600	(1,393)
EMPLOYEE BENEFITS-INS	833	1,333	(500)	5,124	8,000	(2,876)	16,000	(10,876)
EMPLOYEE BENEFITS-RETIREMENT	1,360	1,475	(115)	7,915	8,850	(935)	17,700	(9,785)
OPERATION-MILEAGE EXP	53	60	(7)	477	360	117	750	(273)
OVERTIME EXPENSE/ ON CALL	2,100	850	1,250	12,670	5,000	7,670	10,000	2,670
VACATION EXP	780	650	130	4,681	3,900	781	7,800	(3,119)
CONTRACT STAFFING-METER READS	5,506	5,420	86	32,579	32,500	79	65,000	(32,421)
SCADA SYSTEM ADMIN/MAINT	-	800	(800)	2,709	4,800	(2,091)	10,000	(7,291)
LABORATORY TESTING COSTS	5,632	6,000	(368)	8,157	11,000	(2,843)	16,000	(7,843)
COMPLIANCE TESTING (ISDE/CROSS)	-	250	(250)	-	1,500	(1,500)	3,000	(3,000)
LEAK DETECTION EXPENSE	-	660	(660)	-	4,000	(4,000)	8,000	(8,000)
EPA WATER TESTING EXP	-	700	(700)	-	4,200	(4,200)	8,500	(8,500)
EQUIPMENT RENTAL COSTS	-	160	(160)	-	1,000	(1,000)	2,000	(2,000)
EQUIPMENT REPAIRS & MAINT.	80	6,000	(5,920)	16,903	40,000	(23,097)	80,000	(63,097)
WATER LINE REPAIRS	-	3,300	(3,300)	-	20,000	(20,000)	40,000	(40,000)
ALARM MONITORING COSTS	-	250	(250)	-	1,500	(1,500)	3,000	(3,000)
PROPERTY MAINTENANCE	-	420	(420)	2,190	2,500	(310)	5,000	(2,810)
ENGINEERING/ADMIN. STUDIES	-	660	(660)	-	4,000	(4,000)	8,000	(8,000)
ENERGY COSTS	6,763	14,200	(7,437)	67,188	85,000	(17,812)	170,000	(102,812)
CONSUMABLE SUPPLIES & CLEANING	315	160	155	2,012	1,000	1,012	2,000	12
CHEMICALS, LUBRICANTS & FUELS	1,049	420	629	3,095	2,500	595	5,000	(1,905)
SMALL EQUIPMENT & TOOLS COST	-	80	(80)	3,417	480	2,937	1,000	2,417
PERMITS, FEES & TAXES	24,819	2,850	21,969	31,284	17,000	14,284	34,000	(2,716)
MAP UPDATING/GIS EXP	-	420	(420)	-	2,500	(2,500)	5,000	(5,000)
SERVICE METERS & PARTS COSTS	2,754	8,300	(5,546)	39,208	50,000	(10,792)	100,000	(60,792)
WHOLESALE WATER PURCHASES	180,199	177,000	3,199	1,751,662	1,730,000	21,662	3,459,600	(1,707,938)
WATER-MWD CAPACITY CHARGE	3,870	4,200	(330)	23,220	25,000	(1,780)	50,000	(26,780)
WATER-READINESS TO SERVE/REFUSAL CHARGE	8,391	9,580	(1,189)	53,046	57,500	(4,454)	115,000	(61,954)
WMWD-MGLMR EXP	-	-	-	116,314	117,000	(686)	117,000	(686)
BAD DEBT EXPENSES	-	-	-	-	-	-	1,500	(1,500)
CONSERVATION REBATE EXP	-	420	(420)	1,090	2,500	(1,410)	5,000	(3,910)
CONTINGENCIES	-	3,800	(3,800)	-	22,750	(22,750)	45,500	(45,500)
TOTAL OPERATING EXPENSES	258,442	264,138	(5,696)	2,260,065	2,348,660	(88,595)	4,575,750	(2,315,685)

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
ADMINISTRATIVE EXPENSES:								
CONTRACT MANAGEMENT	6,342	6,500	(158)	41,558	44,625	(3,067)	89,250	(47,692)
GENERAL ENGINEERING EXP	-	1,700	(1,700)	9,468	10,000	(532)	20,000	(10,532)
PLAN CHECK & INSPECTION EXP	-	830	(830)	-	5,000	(5,000)	10,000	(10,000)
EMPLOYEE BENEFITS-INS	1,522	1,440	82	9,189	8,640	549	17,300	(8,111)
EMPLOYEE BENEFITS-RETIREMENT	1,862	1,790	72	11,232	10,750	482	21,500	(10,268)
ANNUAL ASSESSMENT EXP	-	330	(330)	2,842	2,000	842	4,000	(1,158)
WAGES EXPENSE	13,124	13,750	(626)	70,572	76,500	(5,928)	153,000	(82,428)
VACATION EXP	997	900	97	5,979	5,400	579	10,800	(4,821)
MILEAGE EXP ADMIN	-	40	(40)	-	240	(240)	500	(500)
OVERTIME EXPENSE	-	80	(80)	-	480	(480)	1,000	(1,000)
PAYROLL TAX EXPENSES	211	200	11	1,198	1,250	(52)	2,500	(1,302)
CONTRACT STAFFING OFFICE	-	-	-	-	-	-	2,000	(2,000)
LEGAL EXPENSES	-	625	(625)	1,137	3,750	(2,613)	7,500	(6,363)
AUDIT EXPENSES	-	-	-	-	-	-	5,500	(5,500)
BOARD COMMITTEE/ MEETING EXP.	282	875	(593)	3,091	5,250	(2,159)	10,500	(7,409)
COMPUTER SYSTEM EXP	1,202	1,000	202	7,479	6,000	1,479	12,000	(4,521)
BANK CHARGES EXP	2,126	1,700	426	12,717	10,000	2,717	20,000	(7,283)
MISCELLANEOUS & EDUCATION EXP	223	170	53	556	1,000	(444)	2,000	(1,444)
TELEPHONE EXP	865	830	35	6,860	5,000	1,860	10,000	(3,140)
OFFICE SUPPLIES EXP	198	830	(632)	6,104	5,000	1,104	10,000	(3,896)
PRINTING EXPENSES	3,035	420	2,615	3,035	2,500	535	5,000	(1,965)
POSTAGE & DELIVERY EXPENSE	920	1,000	(80)	5,284	6,000	(716)	12,000	(6,716)
PUBLICATIONS, NOTICES & DUES	2,665	200	2,465	3,607	1,250	2,357	2,500	1,107
EQUIPMENT LEASE EXPENSES	704	500	204	3,543	3,000	543	6,000	(2,457)
INSURANCE EXPENSES	1,542	2,040	(498)	9,252	12,250	(2,998)	24,500	(15,248)
INVESTMENT EXPENSE	350	350	-	1,779	2,100	(321)	4,200	(2,421)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	3,500	(3,500)
COMMUNITY OUT REACH EXP	-	-	-	3,951	3,500	451	7,000	(3,049)
TOTAL ADMINISTRATIVE EXPENSES	38,170	38,100	70	220,433	231,485	(11,052)	474,050	(253,617)
TOTAL WATER EXPENSES	296,612	302,238	(5,626)	2,480,498	2,580,145	(99,647)	5,049,800	(2,569,302)
NET OPERATING REVENUE/EXPENSE	121,798	118,352	3,446	923,622	707,895	215,727	1,595,200	(671,578)
NON-OPERATING SOURCE OF FUNDS:								
OTHER REVENUE REIMB-MANDATE COSTS	-	-	-	-	-	-	-	-
INTEREST INCOME/UNREALIZED GAIN ON INV	14,880	8,400	6,480	106,515	50,000	56,515	100,000	6,515
PROPERTY TAX INCOME	-	-	-	-	-	-	40,000	(40,000)
TOTAL NON-OP SOURCE OF FUNDS	14,880	8,400	6,480	106,515	50,000	56,515	140,000	(33,485)
TOTAL REVENUE/EXPENSE	136,678	126,752	9,926	1,030,137	757,895	272,242	1,735,200	(705,063)
TRANSFER TO CAPITAL FUND-REPLACEMENT				284,696				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				745,441				
CONNECTION FEES				13,404				
CAPACITY USAGE INCOME				235,180				
LONG TERM DEBT REDUCTION				235,180				
				-				

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

WATER CAPITAL FUND:

ENDING FUNDS AVAILABLE 2018-2019	13,057,975
TRANSFER FOR CAPITAL FUND REPLACEMENT	284,696
TRANSFER FOR CAPITAL IMPROVEMENTS	758,845
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	<u>(294,842)</u>
TOTAL FUNDS AVAILABLE	<u>13,806,674</u>

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
<i>ID#1 DEPARTMENT</i>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	13,725	13,725	-	82,530	82,530	-	164,700	(82,170)
TOTAL ID #1 REVENUE	13,725	13,725	-	82,530	82,530	-	164,700	(82,170)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	10,766	10,766	-	64,596	64,596	-	133,078	(68,482)
TOTAL OPERATING COSTS	10,766	10,766	-	64,596	64,596	-	133,078	(68,482)
ADMINISTRATIVE EXPENSES:								
ANNUAL ASSESSMENT PROCESSING	-	-	-	2,842	3,000	(158)	3,000	(158)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	2,842	3,000	(158)	3,000	(158)
TOTAL ID#1 EXPENSES	10,766	10,766	-	67,438	67,596	(158)	136,078	(68,640)
NET OPERATING REVENUE/EXPENSE	2,959	2,959	-	15,092	14,934	158	28,622	(13,530)
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	310	175	135	2,220	1,050	1,170	2,100	120
TOTAL NON-OPER SOURCE OF FUNDS	310	175	135	2,220	1,050	1,170	2,100	120
TOTAL REVENUE/EXPENSE	3,269	3,134	135	17,312	15,984	1,328	30,722	(13,410)
TRANSFER TO CAPITAL FUND-REPLACEMENT				11,943				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				5,369				
				-				
<i>ID #1 FUND BALANCE:</i>								
ENDING FUNDS AVAILABLE 2018-2019	528,559							
TRANSFER TO CAPITAL FUND-REPLACEMENT	11,943							
TRANSFER FOR CAPITAL IMPROVEMENTS	5,369							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	-							
TOTAL FUNDS AVAILABLE	545,871							

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET 2019-2020	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
ID#2 DEPARTMENT								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	15,525	15,525	-	93,150	93,150	-	191,820	(98,670)
TOTAL ID #2 REVENUE	15,525	15,525	-	93,150	93,150	-	191,820	(98,670)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	12,179	12,179	-	73,070	73,070	-	150,530	(77,460)
TOTAL OPERATING COSTS	12,179	12,179	-	73,070	73,070	-	150,530	(77,460)
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	-	75,912	76,070	(158)	156,030	(80,118)
NET OPERATING REVENUE/EXPENSE	3,346	3,346	-	17,238	17,080	158	35,790	(18,552)
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	620	350	270	4,439	2,100	2,339	4,150	289
TOTAL NON-OPER SOURCE OF FUNDS	620	350	270	4,439	2,100	2,339	4,150	289
TOTAL REVENUE/EXPENSE	3,966	3,696	270	21,677	19,180	2,497	39,940	(18,263)
TRANSFER TO CAPITAL FUND-REPLACEMENT				36,833				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				(15,156)				
				-				
ID #2 FUND BALANCE:								
ENDING FUNDS AVAILABLE 2018-2019	222,772							
TRANSFER TO CAPITAL FUND-REPLACEMENT	36,833							
TRANSFER FOR CAPITAL IMPROVEMENTS	(15,156)							
CAPITAL IMPROVEMENT-PLANT REMOVAL	-							
TOTAL FUNDS AVAILABLE	244,449							

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
<u>NON-POTABLE WATER DEPARTMENT</u>								
OPERATING REVENUE:								
RECYCLED/NON-POTABLE WATER SALES	31,287	142,000	(110,713)	952,567	850,000	102,567	1,700,000	(747,433)
RECYCLED/ NON-POT WATER FIXED CHARGE	21,960	16,600	5,360	128,738	100,000	28,738	200,000	(71,262)
RECYCLED/NON-POTABLE PUMPING CHARGE	483	3,300	(2,817)	31,674	20,000	11,674	40,000	(8,328)
MISC INCOME	-	1,000	(1,000)	-	6,000	(6,000)	12,000	(12,000)
INSPECTION REVENUE	3,564	2,400	1,164	13,445	14,500	(1,055)	29,000	(15,555)
TOTAL NON-POTABLE REVENUE	57,294	165,300	(108,006)	1,126,424	990,500	135,924	1,981,000	(854,576)
OPERATING EXPENSES:								
RECYCLED/NON-POTABLE LABOR EXP	7,751	7,850	(99)	41,870	47,100	(5,230)	94,200	(52,330)
INSPECTION WAGES EXPENSE	2,044	2,457	(413)	10,924	10,650	274	21,300	(10,376)
PAYROLL TAXES EXP	159	225	(66)	862	950	(88)	1,900	(1,038)
EMPLOYEE BENEFITS-INS	595	650	(55)	3,660	5,700	(2,040)	11,400	(7,740)
EMPLOYEE BENEFITS-RETIREMENT	968	900	68	5,633	6,300	(667)	12,600	(6,967)
MILEAGE EXP	38	20	18	342	100	242	200	142
OVERTIME EXP	1,500	520	980	9,051	3,100	5,951	6,200	2,851
VACATION EXP	-	470	(470)	-	2,800	(2,800)	5,600	(5,600)
SCADA SYS EXP	-	1,250	(1,250)	1,935	7,500	(5,565)	15,000	(13,065)
LABORATORY TESTING COSTS	-	250	(250)	-	1,500	(1,500)	3,000	(3,000)
EQUIPMENT REPAIRS & MAINT.	-	8,400	(8,400)	46,824	50,000	(3,176)	100,000	(53,176)
NONPOTABLE WATER LINE REPAIR	-	8,400	(8,400)	-	50,000	(50,000)	100,000	(100,000)
SECURITY AND ALARM EXP	-	160	(160)	-	950	(950)	1,900	(1,900)
PROPERTY MAINTENANCE	-	420	(420)	2,608	2,500	108	5,000	(2,392)
ENERGY COSTS	10,651	20,850	(10,199)	139,599	125,000	14,599	250,000	(110,401)
CONSUMABLE SUPPLIES EXP	225	85	140	1,442	500	942	1,000	442
CHEMICALS, LUBRICANTS & FUELS	749	300	449	2,211	1,750	461	3,500	(1,289)
PERMITS AND FEES EXP	278	500	(222)	4,896	3,000	1,896	6,000	(1,104)
SERVICE METERS AND PARTS COSTS	-	600	(600)	-	3,500	(3,500)	7,000	(7,000)
RECYCLED SIGN/TOOLS EXP	1,090	350	740	4,100	2,000	2,100	4,000	100
MISC OPERATING EXP	-	45	(45)	-	250	(250)	500	(500)
BAD DEBT	-	-	-	-	800	(800)	1,600	(1,600)
CONTINGENCIES	-	2,250	(2,250)	-	13,500	(13,500)	27,000	(27,000)
TOTAL OPERATING EXPENSES	26,048	56,952	(30,904)	275,957	339,450	(63,493)	678,900	(402,943)

**TEMESCAL VALLEY WATER DISTRICT
REVENUE AND EXPENDITURES/BUDGET
For Six Months ending DECEMBER 31, 2019**

	DECEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2019-2020	REMAINING
ADMINISTRATIVE EXPENSES:								
CONTRACT MANAGEMENT	4,530	5,400	(870)	29,933	31,875	(1,942)	63,750	(33,817)
GENERAL ENGINEERING/ PLAN CHECK EXP	-	850	(850)	6,764	5,000	1,764	10,000	(3,236)
INSPECTION / PLAN CHECK EXP	-	500	(500)	-	3,000	(3,000)	6,000	(6,000)
EMPLOYEE BENEFITS-INS	734	1,000	(266)	4,201	6,150	(1,949)	12,300	(8,099)
EMPLOYEE BENEFITS-RETIREMENT	1,682	1,700	(18)	10,719	7,650	3,069	15,300	(4,581)
WAGES EXPENSE	9,375	12,500	(3,125)	49,915	54,500	(4,585)	109,000	(59,085)
VACATION EXP	199	650	(451)	1,198	3,850	(2,652)	7,700	(6,502)
MILEAGE EXP	-	20	(20)	-	100	(100)	200	(200)
OVERTIME EXP	-	45	(45)	-	250	(250)	500	(500)
PAYROLL TAX EXPENSE	151	150	1	856	900	(44)	1,800	(944)
CONTRACT STAFFING EXP	-	-	-	-	-	-	2,000	(2,000)
LEGAL EXPENSE	-	420	(420)	812	2,500	(1,688)	5,000	(4,188)
AUDIT EXP	-	-	-	-	-	-	4,500	(4,500)
BOARD FEES EXP	201	625	(424)	1,613	3,750	(2,137)	7,500	(5,887)
ELECTION EXP	-	-	-	-	-	-	2,500	(2,500)
COMPUTER SYSTEMS EXP	858	850	8	5,342	5,000	342	10,000	(4,658)
BANK CHARGES	1,518	1,250	268	9,084	7,500	1,584	15,000	(5,916)
MISC & EDUCATION EXP	159	85	74	397	500	(103)	1,000	(603)
TELEPHONE EXP	617	600	17	4,900	3,500	1,400	7,000	(2,100)
OFFICE SUPPLIES	142	420	(278)	3,911	2,500	1,411	5,000	(1,089)
PRINTING EXP	-	250	(250)	-	1,500	(1,500)	3,000	(3,000)
POSTAGE EXP	656	850	(194)	3,775	5,000	(1,225)	10,000	(6,225)
PUBLICATION EXP	-	170	(170)	23	1,000	(977)	2,000	(1,977)
EQUIPMENT LEASE EXP	503	375	128	2,531	2,250	281	4,500	(1,969)
INSURANCE EXPENSE	1,100	1,450	(350)	6,600	8,750	(2,150)	17,500	(10,900)
ANNUAL ASSESSMENT EXP	-	250	(250)	-	1,500	(1,500)	3,000	(3,000)
INVESTMENT EXPENSE	250	250	-	1,271	1,500	(229)	3,000	(1,729)
COMMUNITY OUTREACH EXP	-	400	(400)	-	2,400	(2,400)	4,800	(4,800)
TOTAL ADMINISTRATIVE EXPENSES	22,675	31,060	(8,385)	143,845	162,425	(18,580)	333,850	(190,005)
TOTAL NON-POTABLE OPERATING EXPENSES	48,723	88,012	(39,289)	419,802	501,875	(82,073)	1,012,750	(592,948)
NET OPERATING REVENUE/EXPENSE	8,571	77,288	(68,717)	706,622	488,625	217,997	968,250	(261,628)
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	3,410	1,900	1,510	24,408	9,500	14,908	23,000	1,408
TOTAL NON-OP SOURCE OF FUNDS	3,410	1,900	1,510	24,408	9,500	14,908	23,000	1,408
TOTAL REVENUE/EXPENSE	11,981	79,188	(67,207)	731,030	498,125	232,905	991,250	(260,220)
TRANSFER TO CAPITAL FUND-REPLACEMENT				169,278				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				561,752				
CONNECTION FEES				-				
				-				
NON-POTABLE FUND BALANCE:								
ENDING FUNDS AVAILABLE 2018-2019	3,424,313							
TRANSFER FOR CAPITAL FUND REPLACEMENT	169,278							
TRANSFER FOR CAPITAL IMPROVEMENTS	561,752							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	(500,087)							
TOTAL FUNDS AVAILABLE	3,655,256							

TEMESCAL VALLEY WATER DISTRICT
Community Facilities District No. 1
Financing Authority
(Sycamore Creek)
12/31/2019

<u>Special Tax Fund (Acct #105636-009)</u> Account Balance at Wilmington Trust	\$	2.41
<hr/>		
<u>BONDS PR ACCT (Acct # 105636-010)</u> Account Balance at Wilmington Trust		0.03
<hr/>		
<u>Administrative Expense Fund(Acct #105636-011)</u> Account Balance at Wilmington Trust		8.23
<hr/>		
<u>Surplus Fund (Acct #105636-012)</u> Account Balance at Wilmington Trust		1,474,397.99
<hr/>		

TEMESCAL VALLEY WATER DISTRICT
Community Facilities District No. 2
Financing Authority
(Montecito Ranch)
12/31/2019

<u>Special Tax Fund (Acct #105636-014)</u> Account Balance at Wilmington Trust	\$	0.32
<hr/>		
<u>BONDS PR ACCT (Acct # 105636-015)</u> Account Balance at Wilmington Trust		-
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<u>Administrative Expense Fund(Acct #105636-016)</u> Account Balance at Wilmington Trust		4.72
<hr/>		
<u>Surplus Fund (Acct #105636-017)</u> Account Balance at Wilmington Trust		345,202.79
<hr/>		
Prepayment Fund (Acct #105636-026) Account Balance at Wilmington Trust		-
<hr/>		
TOTAL	\$	345,207.83

TEMESCAL VALLEY WATER DISTRICT
Community Facilities District No. 3
Financing Authority
(The Retreat)
12/31/2019

<u>Special Tax Fund (Acct #105636-019)</u> Account Balance at Wilmington Trust	\$	1.79
<hr/>		
<u>BONDS PR ACCT (Acct # 105636-020)</u> Account Balance at Wilmington Trust		0.03
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<u>Administrative Expense Fund(Acct #105636-021)</u> Account Balance at Wilmington Trust		8.23
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<u>Surplus Fund (Acct #105636-022)</u> Account Balance at Wilmington Trust		901,857.26
<hr/>		
Prepayment Fund (Acct #105636-027) Account Balance at Wilmington Trust		44,043.16
<hr/>		
TOTAL	\$	945,910.47

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

12/31/2019

Senior Lien Bonds - Revenue Fund (Acct #105636-000)	\$	-
- Lien Interest A/C (Acct #105636-001)		16,720.04
- Lien Principal A/C (Acct #105636-002)		-
- Financing Authority Surplus A/C (Acct #105636-003)		-
- Reserve Fund CFD #1 (Acct #105636-004)		2,264,895.84
- Reserve Fund CFD #2 (Acct #105636-005)		276,269.11
- Reserve Fund CFD #3 (Acct #105636-006)		1,496,630.86
Junior Lien Bonds - Revenue Fund (Acct #105639-000)	\$	0.01
- Lien Interest A/C (Acct #105639-001)		5,221.76
- Lien Principal A/C (Acct #105639-002)		-
- Financing Authority Surplus A/C (Acct #105639-003)		-
- Reserve Fund CFD #1 (Acct #105639-004)		619,503.59
- Reserve Fund CFD #2 (Acct #105639-005)		100,248.22
- Reserve Fund CFD #3 (Acct #105639-006)		541,259.69
TOTAL		\$ 5,320,749.12

TEMESCAL VALLEY WATER DISTRICT
Community Facilities District No. 4
Financing Authority
(Terramor)
12/31/2019

<u>Special Tax Fund (Acct #133306-001)</u> Account Balance at Wilmington Trust	\$ 2.71
<hr/>	
<u>Interest Acct (Acct #133306-002)</u> Account Balance at Wilmington Trust	17,832.38
<hr/>	
<u>BONDS PR ACCT (Acct #133306-003)</u> Account Balance at Wilmington Trust	-
<hr/>	
<u>Administrative Expense Fund(Acct #133306-004)</u> Account Balance at Wilmington Trust	45,870.88
<hr/>	
<u>Reserve fund Fund (Acct #133306-005)</u> Account Balance at Wilmington Trust	1,406,220.96
<hr/>	
Surplus Fund (Acct #133306-006) Account Balance at Wilmington Trust	20,519.02
<hr/>	
Redemption fund (Acct #133306-007) Account Balance at Wilmington Trust	-
<hr/>	
Construction fund (Acct #133306-008) Account Balance at Wilmington Trust	9,927,555.49
<hr/>	
Cost of Issuance (Acct #133306-009) Account Balance at Wilmington Trust	-
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TOTAL **\$ 11,418,001.44**

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

In Process
Not Started

Capital Projects FY 2019/2020 Maintenance/ General Projects	CIP #	Eng #1401.*	Total Cost	Source of Funding			Previous YR	AS OF DECEMBER 2019 EXPENDITURES			Total YTD	Variance
				Sewer Fund	Water Fund	Recycled Fund		YEAR TO DATE				
				Sewer Fund	Water Fund	Recycled Fund		Sewer Fund	Water Fund	Recycled Fund		
Computer and Software Upgrades	G-1-2019		\$ 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
Trilogy Reservoir Rehab Interior/Exterior	W-1-2019	1907	\$ 524,400	\$ -	\$ 524,400	\$ -	\$ 2,200	\$ -	\$ 2,574	\$ -	\$ 2,574	\$ 519,626
Urban Water Management Plan 2020	G-23-2019		\$ 100,000			\$ 100,000		\$ -	\$ -	\$ -	\$ -	\$ 100,000
WRF Compliance Instrumentation Replacement			\$ 40,000	\$ 25,000	\$ -	\$ 15,000		\$ 22,241	\$ -	\$ -	\$ 22,241	\$ 17,759
Convert to Recycled			\$ 135,000	\$ -	\$ 75,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000
Forest Boundary Potable Water Looping	W-2-2019	1906	\$ 480,000	\$ -	\$ 480,000			\$ -	\$ -	\$ -	\$ -	\$ 480,000
Recycled and Non-potable Pipeline extentions	NP-2018		\$ 775,000	\$ -	\$ -	\$ 775,000	\$ -	\$ -	\$ -	\$ 26,510	\$ 26,510	\$ 748,490
I-15 AG Line Repair			\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 189,560	\$ 189,560	\$ 10,440
SUBTOTAL			\$ 2,464,400	\$ 97,000	\$ 1,146,150	\$ 1,206,250	\$ 2,200	\$ 67,085	\$ 38,932	\$ 251,974	\$ 357,991	\$ 2,104,209

Multiple Fiscal Year Projects	CIP #	Eng #1401.*	Total Cost	Source of Funding			Previous YR	YEAR TO DATE			Total YTD	Variance
				Sewer Fund	Water Fund	Recycled Fund		Sewer Fund	Water Fund	Recycled Fund		
				Sewer Fund	Water Fund	Recycled Fund		Sewer Fund	Water Fund	Recycled Fund		
Well Cleaning and Rehab			\$ 125,000	\$ -	\$ 50,000	\$ 75,000	\$ 106,030	\$ -	\$ -	\$ -	\$ -	\$ 18,970
Park Canyon RW Design and Easements			\$ 90,000	\$ -	\$ -	\$ 90,000	\$ 17,074	\$ -	\$ -	\$ -	\$ -	\$ 72,926
Water System Master Plan		1811	\$ 20,000	\$ -	\$ 20,000	\$ -	\$ 15,595	\$ -	\$ -	\$ -	\$ -	\$ 4,405
Sewer System Master Plan		1815	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 12,670	\$ 43,552	\$ -	\$ -	\$ 43,552	\$ 43,778
Non-Potable Recycled Water Master Plan		1812	\$ 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	\$ -	\$ -	\$ -	\$ -	\$ 20,271
WRF 225,000 GPD Upgrade (SBR Controls)	S-1-2015		\$ 1,230,000	\$ 1,230,000	\$ -	\$ -	\$ 283,140	\$ 603,865	\$ -	\$ -	\$ 603,865	\$ 342,995
WRF 225,000 GPD Expansion (District Share)	S-1-2015		\$ 5,506,613	\$ 5,506,613	\$ -	\$ -	\$ 82,334	\$ 371,068	\$ -	\$ -	\$ 371,068	\$ 5,053,211
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	\$ -	\$ -	\$ -	\$ 63,336	\$ 63,336	\$ 236,664
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
SUBTOTAL			\$ 15,210,313	\$ 7,396,613	\$ 6,578,500	\$ 1,235,200	\$ 1,818,490	\$ 1,027,046	\$ 255,910	\$ 248,113	\$ 1,531,069	\$ 11,860,754

TOTAL	\$ 17,674,713	\$ 7,493,613	\$ 7,724,650	\$ 2,441,450	\$ 1,820,690	\$ 1,094,131	\$ 294,842	\$ 500,087	\$ 1,889,060	\$ 13,964,963
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****TEMESCAL VALLEY WATER DISTRICT
General Ledger
For the Period From Jul 1, 2019 to Dec 31, 2019**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
567500.3	7/1/19			Beginning Balance			
EQUIPMENT REPAIRS & MAIN	7/3/19	22774	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	7/11/19	358-1	PJ	GJR ELECTRIC - UPPER RETREAT POWER ISSUES	1,938.07		
	7/19/19	4911	PJ	UNITED POWER GENERATION - REPLACED BATTERIES FOR SYCAMORE BOOSTER STATION GENERATOR (STOLEN)	683.07		
	7/23/19	4910	PJ	UNITED POWER GENERATION - SEMI ANNUAL GENERATOR CHECK	3,177.35		
	7/25/19	54274	PJ	RICHARDSON TECHNOLOGIES INC. - TROUBLE SHOOT A/C UNIT AT SYCAMORE PUMP STATION	411.00		
	7/31/19	22908	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	90.00		
	7/31/19	250062923	PJ	SELECT EQUIPMENT - TROUBLE SHOOT FORKLIFT " NOT STANDING " INSTALL NEW INJECTOR ASSEMBLY + SEAL	893.50		
	7/31/19	SI09319	PJ	SULZER - TROUBLE SHOOT + REPLACE LIMIT SWITCH FOR BARSCREEN + MAIN PLANY	1,829.60		
	7/31/19	7868265	PJ	EWING IRRIGATION PRODUCTS - MATERIALS USED FOR SLUDGE LINE TO BAGS WORK DONE BY BT	105.41		
	7/31/19	10408	PJ	TRAN CONTROLS SCADA SOLUTIONS, - INSTALLED SOLAR PANEL TO WIRE CONTROL AT RETREAT	6,833.44		
				Current Period Change	16,011.44		16,011.44
	8/1/19			Beginning Balance			16,011.44
	8/15/19	22929	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	8/15/19	16297	PJ	DOUGLAS ENVIRONMENTAL GROUP - 2019 ANNUAL CALIBRATION FOR TREATMENT PLANT FLOW METERS	2,755.00		
	8/16/19	2019-53	PJ	DON PETERSON CONTRACTING, INC. - BUTTERFIELD SEWER LIFT STATION ASSEMBLE + INSTALL NEW 4" PVC PIPELINE	2,611.00		
	8/16/19	3/11/2019	PJ	APPLIED INDUSTRIAL TECHNOLOGIE - BELTS FOR BLOWERS	602.74		
	8/22/19	8/22/2019	PJ	US BANK GOVERNMENT SERVICES	547.60		
	8/23/19	3091	PJ	BT PIPELINE INC. - WORK ON VALVE IN THE YARD	1,836.50		
	8/28/19	23010	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	8/28/19	2019-62	PJ	DON PETERSON CONTRACTING, INC. - VALVE MAINTENANCE SBR #6- (2 VALVES)	1,814.00		
	8/28/19	2019-61	PJ	DON PETERSON CONTRACTING, INC. - SERVICE BAR RAKE, DETERMINED CAUSE OF INOPENABLE VALVE SBR, INSTALLED PERC POND PUMP	3,026.00		
	8/28/19	2019-55	PJ	DON PETERSON CONTRACTING, INC. - PULL SEWAGE PUMP AT BUTTERFIELD STATION RENTAL FORKLIFT	2,803.00		
	8/28/19	2019-54	PJ	DON PETERSON CONTRACTING, INC. - VALVE MAINTENANCE SBR #1	1,814.00		
	8/29/19	10527	PJ	Maxim Security Services	260.00		
	8/30/19	3067	PJ	BT PIPELINE INC. - DIG NEW TRENCH FOR POLYMER LINE	3,901.00		
	8/30/19	74011	PJ	COMMERCIAL DOOR COMPANY - COVERED CONVEYOR OPENING IN WALL IN THE CENTRIFUSE BLDG	801.72		
				Current Period Change	22,872.56		22,872.56
	9/1/19			Beginning Balance			38,884.00

****TEMESCAL VALLEY WATER DISTRICT
General Ledger
For the Period From Jul 1, 2019 to Dec 31, 2019**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
	9/3/19	54552	PJ	RICHARDSON TECHNOLOGIES INC. - AIR KEEPS GOING OUT AT SYCAMORE BOOSTER PUMP STATION	825.00		
	9/10/19	SI09487	PJ	SULZER - CHECK A/C + CONTROL FOR WELL PUMP	910.00		
	9/13/19	54650	PJ	RICHARDSON TECHNOLOGIES INC. - PREVENTATIVE MAINTENANCE ON A/C UNITS AT THE TREATMENT FACILITY	410.00		
	9/17/19	34634	PJ	MORR-IS TESTED IN - VIDEO CAMERA TRUCK SOUTH WEIRICK AG LINE	1,880.00		
	9/22/19	23131	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	60.00		
	9/23/19	017523	PJ	USA BLUEBOOK - SPARE PUMP FOR CL2 Current Period Change	1,240.03 5,325.03		5,325.03
	10/1/19			Beginning Balance			44,209.03
	10/3/19	6228	CR	MISC- HD SUPPLY REFUND - REFUND		119.35	
	10/4/19	23176	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	10/18/1	23232	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	10/21/1	11690542	PJ	HACH COMPANY - COMPLIANCE FLOW SAMPLING	14,181.63		
	10/23/1	16447	PJ	DOUGLAS ENVIRONMENTAL GROUP - TROUBLESHOOT CL2 ANALYZER	350.00		
	10/23/1	34721	PJ	MORR-IS TESTED IN - CLEAN WET WELL AT TERRAMOR SEWER LIFT STATION	2,080.00		
	10/23/1	89684	PJ	MR.CRANE - REMOVE OLD BISULFITE TANK. SET NEW TANK IN PLACE	1,542.30		
	10/23/1	2019-69	PJ	DON PETERSON CONTRACTING, INC. - SERVICE CALL FOR BARSCREEN MALFUNCTION	742.00		
	10/23/1	2019-67	PJ	DON PETERSON CONTRACTING, INC. - REPLACE VALVE ACTUATOR ON SBR #1 TOP VALVE ON E ACTUATOR ADDED TO STOCK	5,323.00		
	10/30/1	10418	PJ	TRAN CONTROLS SCADA SOLUTIONS, - HEAD WORK BAR SCREEN	1,550.56		
	10/31/1	23277	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT. Current Period Change	40.00 25,899.49	119.35	25,780.14
	11/1/19			Beginning Balance			69,989.17
	11/7/19	1463A	PJ	TOP NOTCH PLUMBING - URINAL IN OPERATIONAL OFFICE LEAKING	172.90		
	11/14/1	23336	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	100.00		
	11/21/1	785140	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TRILOGY TAKE-OUT STRUCTURE REBUILD, CLEAN + SERVICE	948.54		
	11/21/1	785138	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - FOREST BOUNDRY REBUILD CLEAN + SERVICE	1,642.13		
	11/21/1	785139	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TEMESCAL CANYON RD REBUILD CLEAN + SERVICE	1,735.73		
	11/21/1	785118	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TRILOGY PUMP #3 REBUILD CLEAN + SERVICE	1,687.48		
	11/21/1	785119	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TRILOGY PUMP #4 REBUILD CLEAN + SERVICE	2,202.48		
	11/21/1	785120	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TRILOGY RETURN VALVE- REBUILD CLEAN + SERVICE	2,012.06		
	11/21/1	785121	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TRILOGY PRESSURE RELIEF, REBUILD CLEAN + SERVICE	2,431.15		
	11/21/1	785250	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - RETREAT BOOSTER RELIEF VALVE	702.26		

****TEMESCAL VALLEY WATER DISTRICT
General Ledger
For the Period From Jul 1, 2019 to Dec 31, 2019**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
				RETREAT BOOSTER RELIEF VALVE REBUILT MAIN PILOT- CLEANED + BACK IN SERVICE			
	11/21/1	785115	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - REBUILD PUMP MAIN VALVE TRILOGY	1,859.98		
	11/21/1	785117	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - REBUILD PUMP #2 MAIN VALVE + SERVICE	1,687.48		
	11/21/1	785079	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - 8" CLA-VAL BODY IN VAULT TEMESCAL CANYON	2,145.13		
	11/21/1	785249	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - RETREAT BOOSTER STATION PUMP #1 REBUILT VALVE + SERVICE	1,602.66		
	11/21/1	785248	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - RETREAT BOOSTER PUMP #2 REBUILD + SERVICE	1,177.59		
	11/21/1	785076	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TRILOGY + RESERVE PRV REBUILT MAIN VALVE + PILOT	1,152.84		
	11/21/1	785077	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - TRILOGY + WARM SPRINGS TAKE OUT STRUCTURE LEARNING VALVE	1,144.25		
	11/29/1	I 2019-1410	PJ	D&H WATER SYSTEMS - BLUE-WHITE M2 SINGLE PUMP SKIP FOR PLANT EFFLUENT DECHLOR	6,357.25		
	11/29/1	4011	PJ	ENGINEERED AIR SERVICES, INC. - TROUBLE SHOOT COMPRESSORS	643.49		
	11/29/1	34926	PJ	MORR-IS TESTED IN - YARD CLEAN UP SEWER PUMP	2,600.00		
	11/29/1	8979	PJ	VALLEY CITIES/GONZALES FENCE - REPLACED FENCE THAT WAS REMOVED FOR THE WELL DRILLING PROJECT + WELL #4	1,700.00		
	11/30/1	10420	PJ	TRAN CONTROLS SCADA SOLUTIONS, - LEROY LIFT STATION	2,084.72		
	11/30/1	10422	PJ	TRAN CONTROLS SCADA SOLUTIONS, - PLANT WIDE POWER OUTAGE	4,492.93		
				Current Period Change	42,283.05		42,283.05
	12/1/19			Beginning Balance			112,272.22
	12/2/19	23360	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	30.00		
	12/5/19	2019-84	PJ	DON PETERSON CONTRACTING, INC. - SERVICE CALL TO REPAIR BROKEN CHAIN LINKS ON BARSCREEN FRAME 3 MONTH SERVICE	2,836.00		
	12/5/19	1739A	PJ	TOP NOTCH PLUMBING - FIX OPS MEN'S TOILET LEAK	219.78		
	12/5/19	9396485931	PJ	GRAINGER INC. - SUMP FOR ALUM AREA TO INSTALL FOR FLOOD CONTROL	188.25		
	12/5/19	116059	PJ	BARRETT ENGINEERED PUMPS - REPLACE PUMP SEAL PLANT WATER GRUNDFOS PUMPS	1,422.30		
	12/10/1	786823	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - SYCAMORE RECLAIM BOOSTER CLEAN + SERVICE INSTALLO NEW SS TUBING	3,500.65		
	12/11/1	16564	PJ	DOUGLAS ENVIRONMENTAL GROUP - INSTALL NEW HACH CL-17 CHLORINE ANALYZER FOR PLANT EFFLUENT COMPLIANCE	9,340.38		
	12/13/1	23408	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	12/27/1	SI09766	PJ	SULZER - TROUBLESHOOT CENTREFUGE ELECTRICAL REPLACE POWER CORD FOR BARSCREEN	1,428.49		
	12/27/1	5004	PJ	UNITED POWER GENERATION - REPAIRED & REPLACED FUEL INJECTION PUMP FOR RETREAT BOOSTER PUMP	3,043.79		

****TEMESCAL VALLEY WATER DISTRICT
General Ledger
For the Period From Jul 1, 2019 to Dec 31, 2019**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
				PUMP FOR RETREAT BOOSTER PUMP GENERATOR WORK COMPLETED ON 12/22/2019			
	12/31/1			Current Period Change	22,059.64		22,059.64
				Ending Balance			134,331.86
567500.4 EQUIPMENT REPAIRS & MAIN	7/1/19			Beginning Balance			
	7/1/19	6636	PJ	VOGEL'S PLUMBING & BACKFLOW - REPAIR 10" FEBCO / REPLACED FOR 1A WELL PUMPS	1,790.00		
	7/3/19	22774	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	7/12/19	22808	CD	PAUL BISHOP - EQUIPMENT REPAIRS & MAINT.	404.06		
	7/31/19	22908	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	90.00		
	7/31/19	10407	PJ	TRAN CONTROLS SCADA SOLUTIONS, - TROUBLE SHOOT COMM FAILURE TO RETREAT TANK	1,680.00		
				Current Period Change	4,014.06		4,014.06
	8/1/19			Beginning Balance			4,014.06
	8/15/19	22929	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	8/15/19	10023174	PJ	A CONE ZONE TRAFFIC CONTROL - TRAFFIC CONTROL TO GRIND ASPHALT AND SET TRAFFIC PLATE NEXT TO SHELL STATION	1,036.23		
	8/15/19	3087	PJ	BT PIPELINE INC. - CLEAN OUT 1" COPPER SERVICE	2,554.00		
	8/22/19	8/22/2019	PJ	US BANK GOVERNMENT SERVICES	479.15		
	8/28/19	23010	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	8/30/19	102-5680	PJ	CT CONCRETE CUTTING, INC - GRIND ASPHALT FOR TRAFFIC PLATE NEXT TO SHELL STATION	975.00		
				Current Period Change	5,144.38		5,144.38
	9/1/19			Beginning Balance			9,158.44
	9/20/19	3888	PJ	ENGINEERED AIR SERVICES, INC. - SERVICE AIR COMPRESSOR AT WASTE WATER PLANT	492.88		
	9/22/19	23131	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	60.00		
				Current Period Change	552.88		552.88
	10/1/19			Beginning Balance			9,711.32
	10/4/19	23176	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	10/18/1	23232	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	10/30/1	10416	PJ	TRAN CONTROLS SCADA SOLUTIONS, - RT RESEVOIR	6,947.19		
				Current Period Change	7,037.19		7,037.19
	11/1/19			Beginning Balance			16,748.51
	11/14/1	23336	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	75.00		
				Current Period Change	75.00		75.00
	12/1/19			Beginning Balance			16,823.51
	12/2/19	23360	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	30.00		
	12/13/1	23408	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
				Current Period Change	80.00		80.00
	12/31/1			Ending Balance			16,903.51
567500.5 EQUIPMENT REPAIRS & MAIN	7/1/19			Beginning Balance			
	7/31/19	10407	PJ	TRAN CONTROLS SCADA SOLUTIONS, - FOSTER WELL	420.00		

****TEMESCAL VALLEY WATER DISTRICT
General Ledger
For the Period From Jul 1, 2019 to Dec 31, 2019**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
567500.5 (cont.)	7/31/19	10407	PJ	FOSTER WELL TRAN CONTROLS SCADA SOLUTIONS, - TERRAMOR LIFTSTATION	630.00		
				Current Period Change	1,050.00		1,050.00
	8/1/19			Beginning Balance			1,050.00
	8/22/19	8/22/2019	PJ	US BANK GOVERNMENT SERVICES	342.24		
	8/23/19	3086	PJ	BT PIPELINE INC. - TAP AND INSTALL 2" IRRIGATION SERVICE TEMESCAL CANYON SQAW MOUNTAIN	3,378.00		
	8/28/19	2019-60	PJ	DON PETERSON CONTRACTING, INC. - LEVEL PERC POND PUMP PAD MODIFIED PIPE SUPPORTS + ADDED CONCRETE TO STABILIZE PAD	1,411.00		
				Current Period Change	5,131.24		5,131.24
	9/1/19			Beginning Balance			6,181.24
	9/30/19	10412	PJ	TRAN CONTROLS SCADA SOLUTIONS, - TROUBLE SHOOT DE-WATERING WELL PUMP	901.97		
	9/30/19	10414	PJ	TRAN CONTROLS SCADA SOLUTIONS, - WELL 1A, WELL 4 FOSTER	3,823.61		
				Current Period Change	4,725.58		4,725.58
	10/1/19			Beginning Balance			10,906.82
	10/16/1	3134	PJ	BT PIPELINE INC. - LOCATE AG LINE LINE BY FREEWAY AND HANG THE 14" VALVE	15,475.00		
	10/30/1	10417	PJ	TRAN CONTROLS SCADA SOLUTIONS, - SYCAMORE RECLAIM FLOW REMOTE SETPOINT	3,096.43		
	10/31/1	23277	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
				Current Period Change	18,611.43		18,611.43
	11/1/19			Beginning Balance			29,518.25
	11/11/1	1504	PJ	HYDROCURRENT WELL SERVICES LLC - REBUILD PUMP #2 RECLAIM	12,000.00		
	11/29/1	29689	PJ	REGAN PAVING - PAVE ROLE FOR PIPE REPAIR 22740 TEMESCAL CYN RD RECLAIM LINE	2,500.00		
	11/29/1	19-098	PJ	T C CONSTRUCTION COMPANY, INC - Ag line repair	2,806.20		
				Current Period Change	17,306.20		17,306.20
	12/1/19			Beginning Balance			46,824.45
	12/18/1	002	PJ	SRK ENGINEERING - REPAIR FOR NON-POTABLE WATER LINE UNDER FREEWAY	40,554.76		
	12/31/1	12/30/2019	PJ	INSITUFORM TECHNOLOGIES LLC - EMERGENCY REPAIR FOR RECYCLE WATER LINE	90,175.65		
				Current Period Change	130,730.41		130,730.41
	12/31/1			Ending Balance			177,554.86



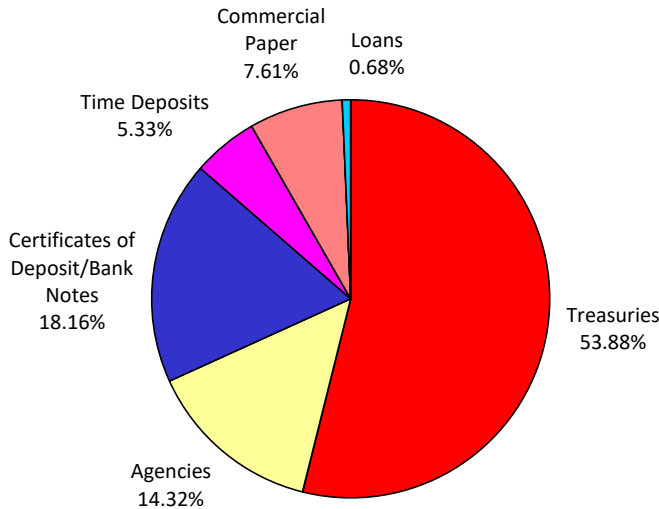
PMIA/LAIF Performance Report as of 01/22/2020



Pooled Money Investment Account Portfolio Composition ⁽¹⁾

12/31/19

\$88.9 billion



Percentages may not total 100% due to rounding

PMIA Average Monthly Effective Yields⁽¹⁾

Dec 2019	2.043
Nov 2019	2.103
Oct 2019	2.190

LAIF Quarterly Performance Quarter Ended 12/31/19

Apportionment Rate ⁽²⁾ :	2.29
Earnings Ratio ⁽²⁾ :	0.0000625008577897
Fair Value Factor ⁽¹⁾ :	1.001770298
Daily ⁽¹⁾ :	2.02%
Quarter to Date ⁽¹⁾ :	2.11%
Average Life ⁽¹⁾ :	226

PMIA Daily Rates⁽¹⁾

Date	Daily Yield*	Quarter to Date Yield	Average Maturity (in days)
12/23/19	2.03	2.12	222
12/24/19	2.03	2.12	225
12/25/19	2.03	2.12	225
12/26/19	2.03	2.12	224
12/27/19	2.03	2.12	227
12/28/19	2.03	2.12	227
12/29/19	2.03	2.12	227
12/30/19	2.03	2.11	224
12/31/19	2.02	2.11	226
01/01/20	2.03	2.03	224
01/02/20	2.00	2.02	231
01/03/20	2.00	2.01	229
01/04/20	2.00	2.01	229
01/05/20	2.00	2.01	229
01/06/20	2.00	2.00	226
01/07/20	1.99	2.00	224
01/08/20	1.99	2.00	224
01/09/20	1.99	2.00	224
01/10/20	1.98	2.00	223
01/11/20	1.98	2.00	223
01/12/20	1.98	2.00	223
01/13/20	1.98	1.99	220
01/14/20	1.97	1.99	221
01/15/20	1.96	1.99	228
01/16/20	1.95	1.99	226
01/17/20	1.95	1.99	224
01/18/20	1.95	1.98	224
01/19/20	1.95	1.98	224
01/20/20	1.95	1.98	224
01/21/20	1.95	1.98	219
01/22/20	1.95	1.98	218

*Daily yield does not reflect capital gains or losses

[View Prior Month 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 pursuant to Public Utility Code 3288 (a).

Source:

(1) State of California, Office of the Treasurer

(2) State of California, Office of the Controller

Active Lien Board Update

Balance as of 11/26/19: \$12,867.10

Payments received: \$1,033.45

New liens recorded: \$508.85

ACTIVE

Active liens value \$944.17

Number of active liens 7

WRITTEN OFF

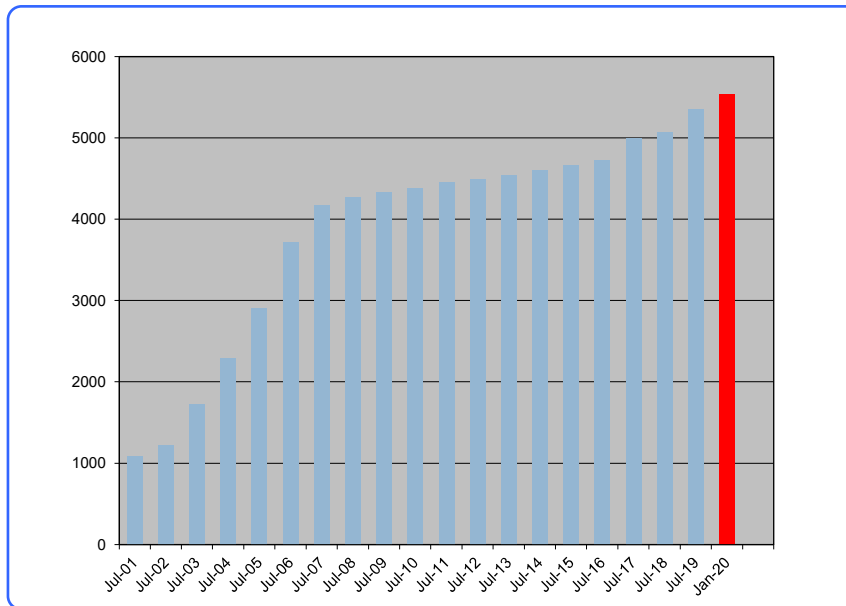
Written off liens value \$10,380.63

Number of written off liens 51

Released liens 6/13/07 - 1/28/20: \$178,117.40

**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	Jan-20
CUSTOMERS	1090	1223	1729	2295	2910	3718	4173	4279	4332	4386	4463	4492	4547	4605	4670	4736	5000	5076	5358	5540



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	1738	1699	98%
The Retreat	525	525	100%
Terramor	1443	402	28% 15 MODELS
Harmony Grove	50	18	36%
	<u>6652</u>	<u>5540</u>	83%

TOTAL CUSTOMER COUNT REPORT
December 31, 2019

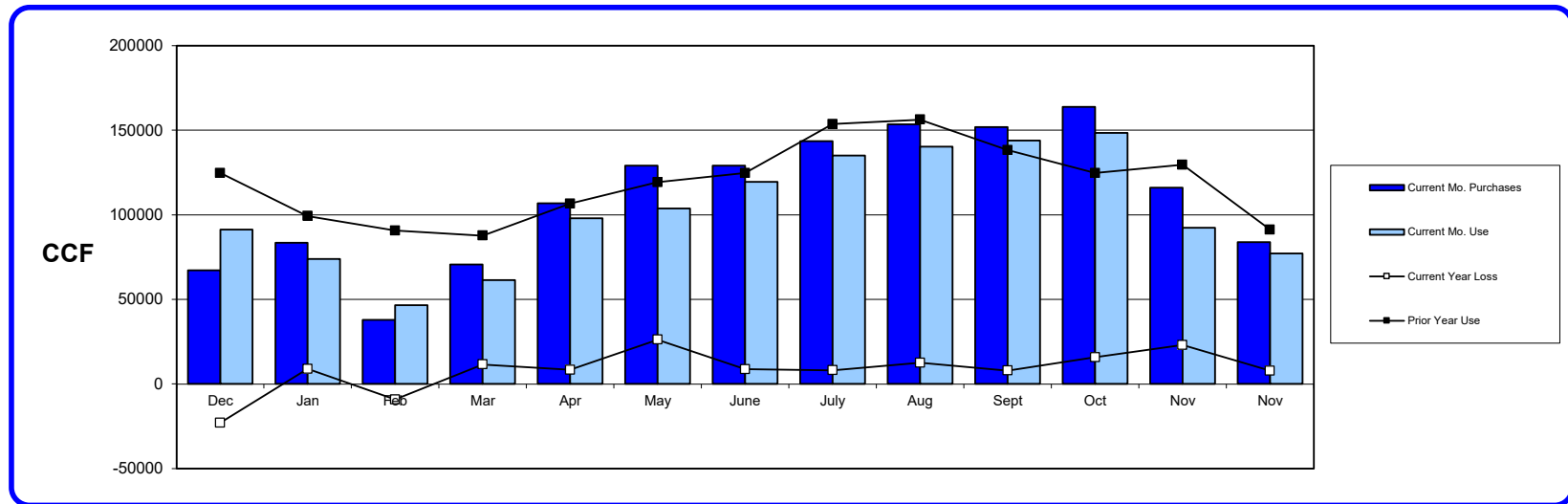
	Water & Sewer	Water Only	Sewer Only	Count
New homes added 17 Accts closed/transf 87 Empty Homes 9			Butterfield (305) Calif. Meadows (345)	
Residential	5497	2	650	6149
Commercial	90	0	2	92
Commercial-fireheld inactive	41			41
Public Govt	4	1	0	5
Irrigation-Industrial	0	68	0	68
Non-Potable Water other	0	156	0	156
Construction-Bulk Sales	0	22	0	22
Total Active Customers	5632	249	652	6533

DELINQUENT REPORT

Meters Read - Customers Billed	5840	
Received Delinquent Notice on current bill	400	6.85%
Turned Off for lack of payment	13	0.22%
Customers turned back on, amount paid	10	0.17%

WATER USAGE REPORT FOR THIRTEEN MONTHS

	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	TOTAL
Beg Water Levels	11560	10429	11083	11571	9302	9628	9628	9628	9628	9628	9628	9628	9628	
Ending Water Levels	10429	11083	11571	9302	9628	8895	9746	10279	10771	10908	10430	11025	9761	
Cur Yearly Purchases	67220	83505	37941	70688	106748	129147	129147	143604	153486	151898	163770	116068	83803	1437025
Cur Yr Monthly Use	91254	73902	46657	61401	98045	103672	119497	134958	140366	143820	148423	92435	77239	1331669
Prior Yr Monthly Use	124709	99305	90737	87771	106589	119302	124735	153700	156286	138302	124684	129569	91254	1546943

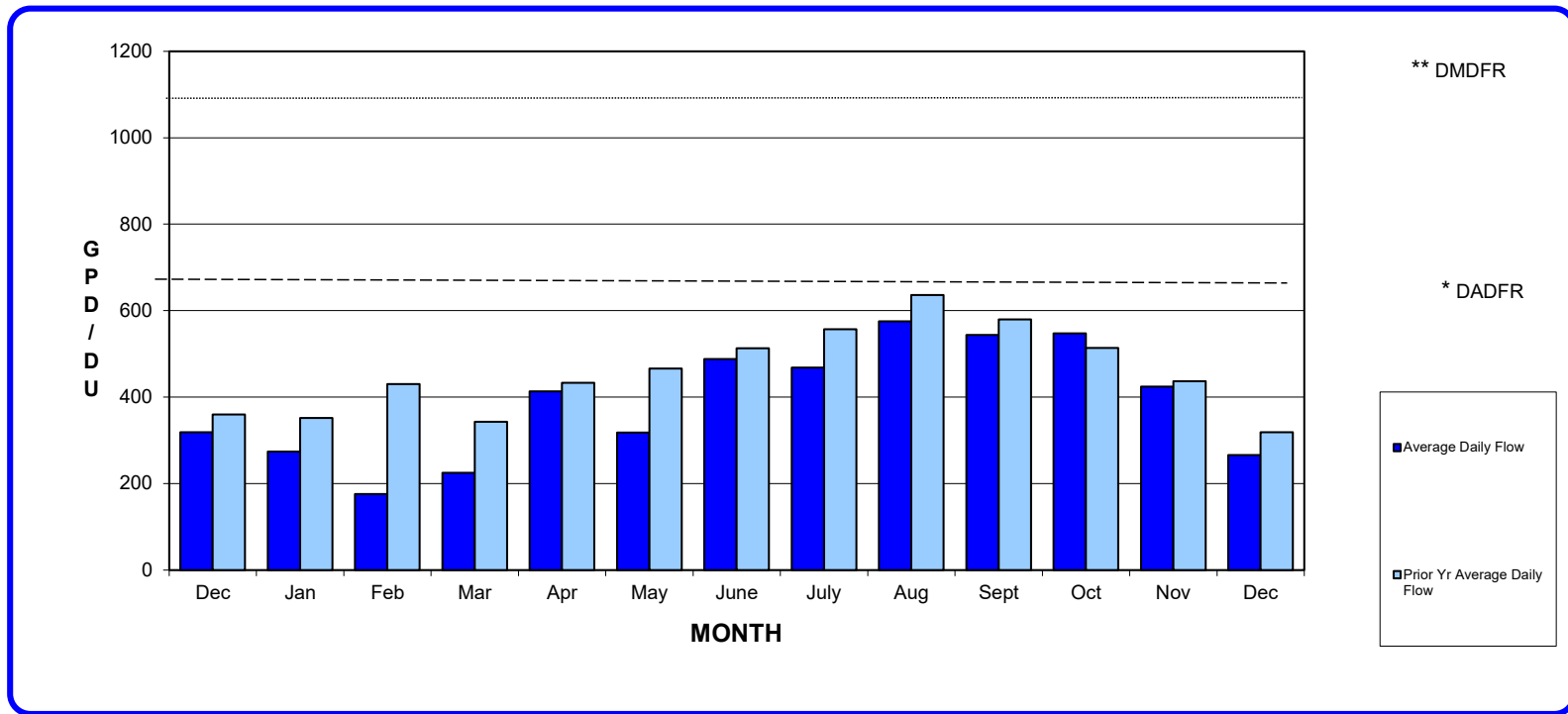


KEY
2017-2018
2018-2019
2019-2020

SUMMARY	CCF
Beginning Water in System	11560 CCF
Water Purchased in last 13 months	1437025 CCF
Water Used in last 13 months	1331669 CCF
Water Remaining in System	9761 CCF
(Loss)/Gain over last 13 months	(107155) CCF
	-7.46%

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

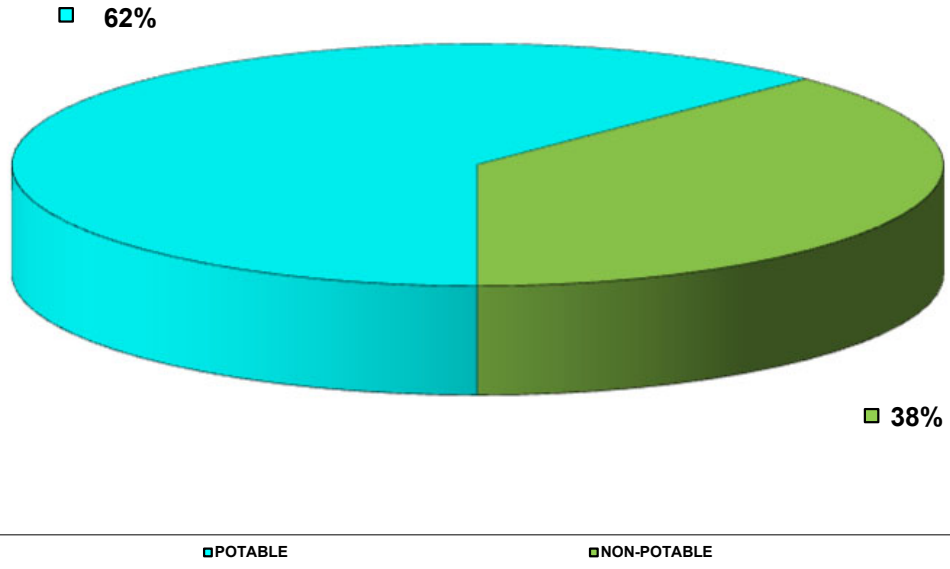
	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	YEARLY AVERAGE
Average Daily Flow	319	274	176	225	413	318	488	468	575	544	547	424	266	393
Prior Yr Average Daily Flow	360	352	430	343	433	466	513	557	636	580	514	437	319	465



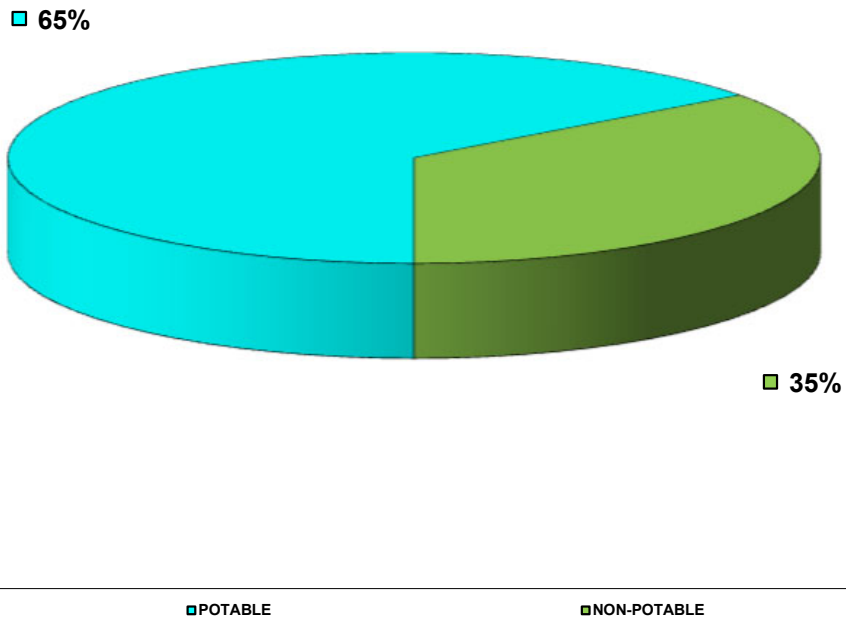
Key
2016-2017
2017-2018
2018-2019
2019-2020

- * 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 Six Months Ending December 31, 2019
F/Y 2019-2020**

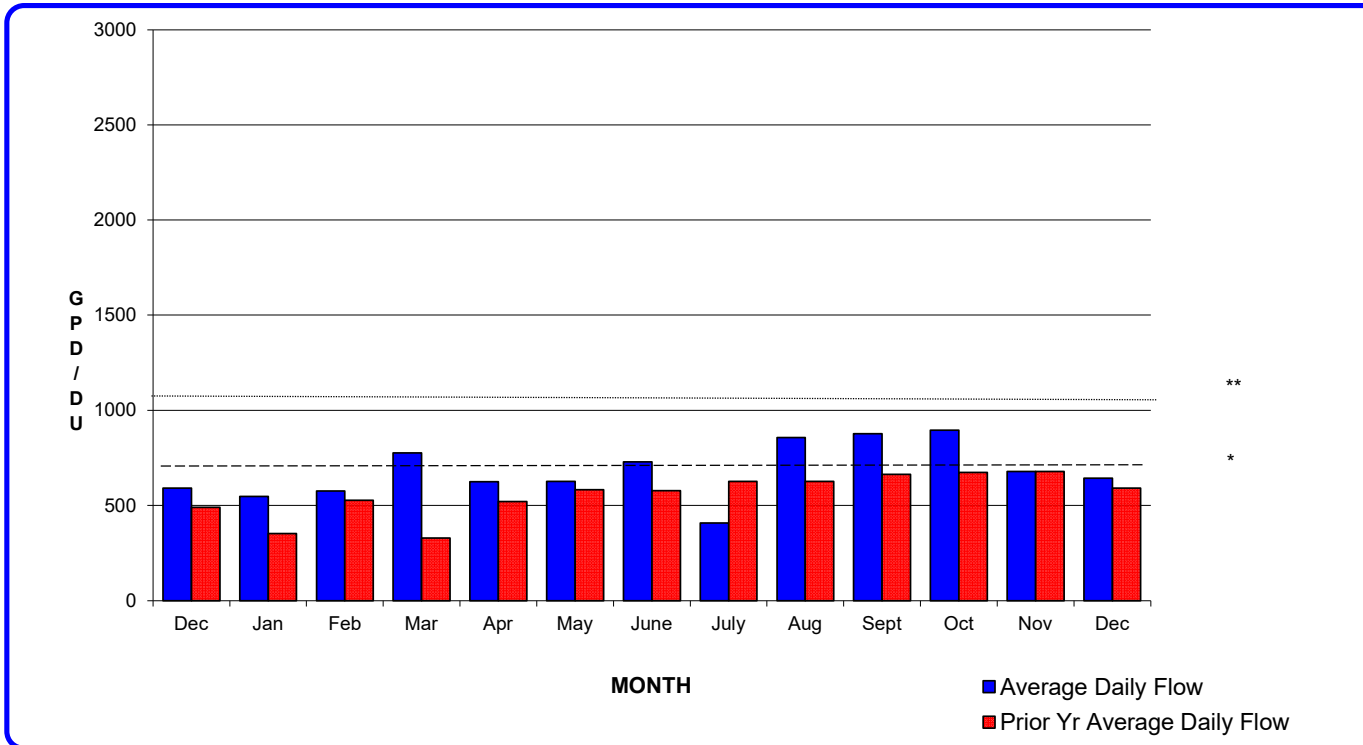


**Temescal Valley Water District
Water Volume Sold
For F/Y 2018-2019
Twelve Months**



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

	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	YEARLY AVERAGE
Average Daily Flow	591	548	576	776	624	626	729	408	856	877	896	679	644	687
Prior Yr Average Daily Flow	491	352	527	329	521	583	577	627	627	663	673	678	591	964

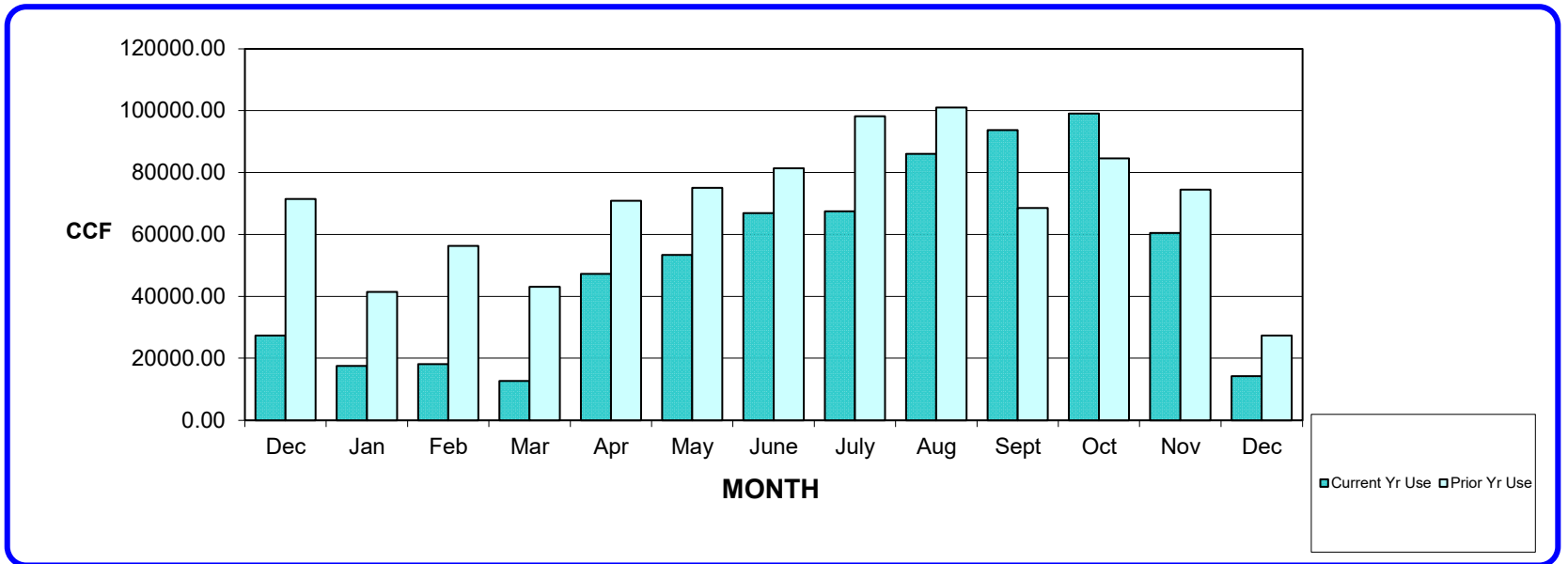


Key
2016-2017
2017-2018
2018-2019
2019-2020

- * 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)

	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Current Yr Use	27296.00	17558.51	18076.74	12612.78	47287.45	53401.21	66847.21	67458.40	86056.00	93701.87	99015.59	60473.74	14232.16
Prior Yr Use	71437.89	41374.89	56321.00	43054.20	70816.32	74999.30	81380.55	98207.89	101012.78	68554.80	84552.12	74461.87	27296.00
Revenue	\$94,379	\$58,997	\$60,614	\$48,432	\$135,906	\$143,871	\$179,818	\$181,463	\$186,783	\$234,758	\$256,161	\$185,101	\$62,123



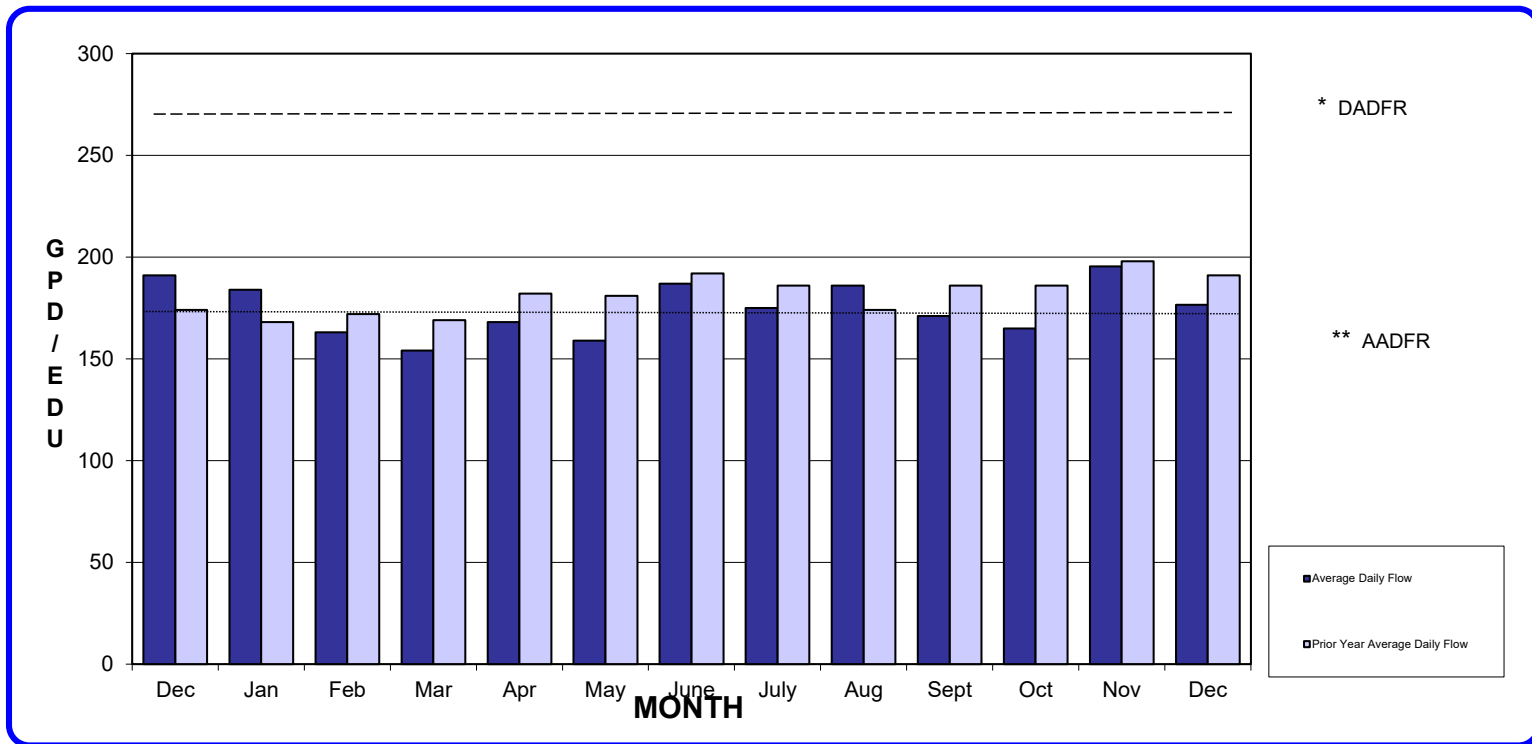
Key
2017-2018
2018-2019
2019-2020

RESIDENTIAL & COMMERCIAL SEWER USAGE

AVERAGE DAILY FLOW

(GALLONS per DAY per DWELLING UNIT)

	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	12-Month Average
Average Daily Flow	191	184	163	154	168	159	187	175	186	171	165	195	177	190
Prior Year Average Daily Flow	174	168	172	169	182	181	192	186	174	186	186	198	191	182



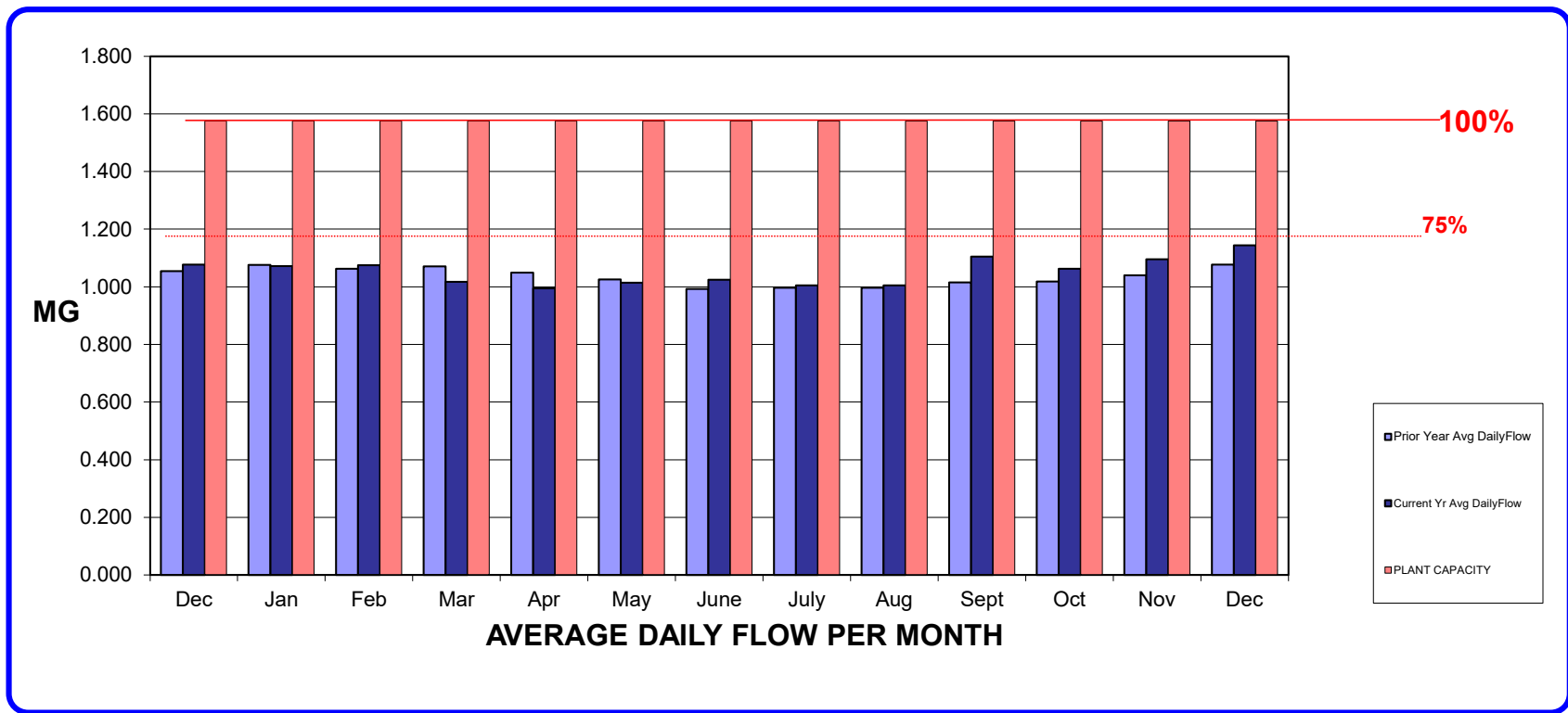
Key
 2017-2018
 2018-2019
 2019-2020

** ACTUAL AVERAGE DAILY FLOW RATE IN GPD

RECLAMATION PLANT FLOW REPORT AVERAGE DAILY FLOW (Million Gallons)

Key
2017-2018
2018-2019
2019-2020

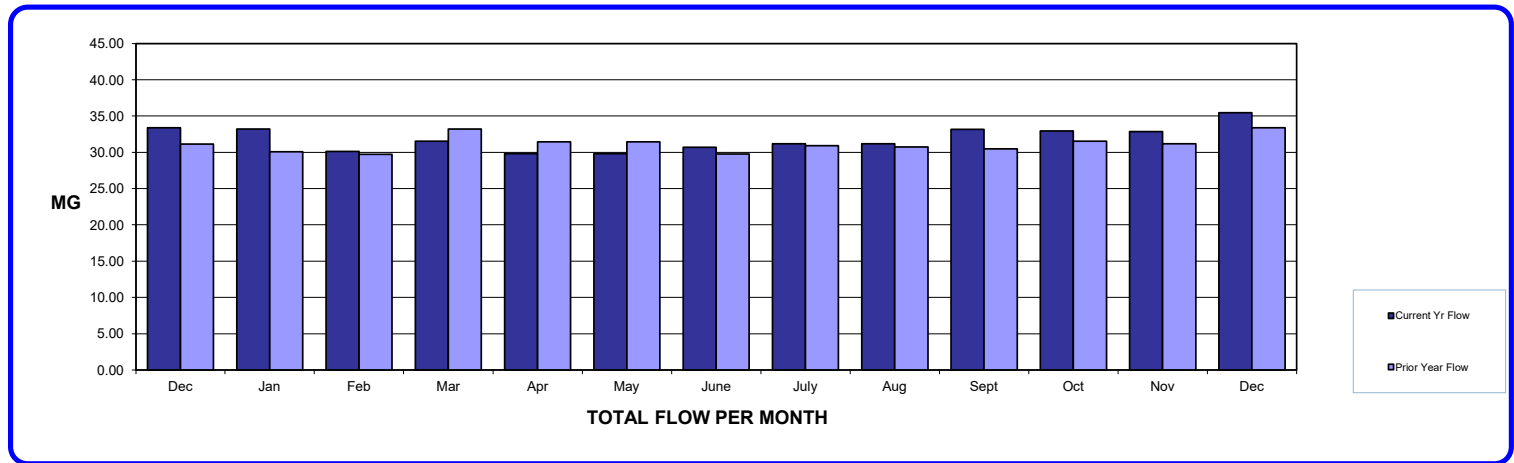
	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Current Yr Avg DailyFlow	1.0770	1.0720	1.0750	1.0170	0.9940	1.0140	1.0240	1.0050	1.0050	1.1050	1.0620	1.0950	1.1440
Prior Year Avg DailyFlow	1.0540	1.0760	1.0620	1.0710	1.0490	1.0250	0.9920	0.9970	0.9970	1.0150	1.0180	1.0400	1.0770
PLANT CAPACITY	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



RECLAMATION PLANT DISCHARGE REPORT MONTHLY FLOW (Million Gallons)

	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total/yr
Current Yr Flow	33.38	33.21	30.11	31.53	29.82	29.82	30.71	31.17	31.16	33.15	32.92	32.84	35.47	381.91
Prior Year Flow	31.15	30.07	29.73	33.19	31.46	31.46	29.75	30.90	30.75	30.46	31.55	31.19	33.38	373.89

Potential Revenue	\$138,187	\$147,820	\$142,984	\$88,961	\$93,156	\$88,104	\$119,190	\$122,747	\$124,586	\$132,500	\$131,581	\$131,261	\$141,177	\$1,464,067
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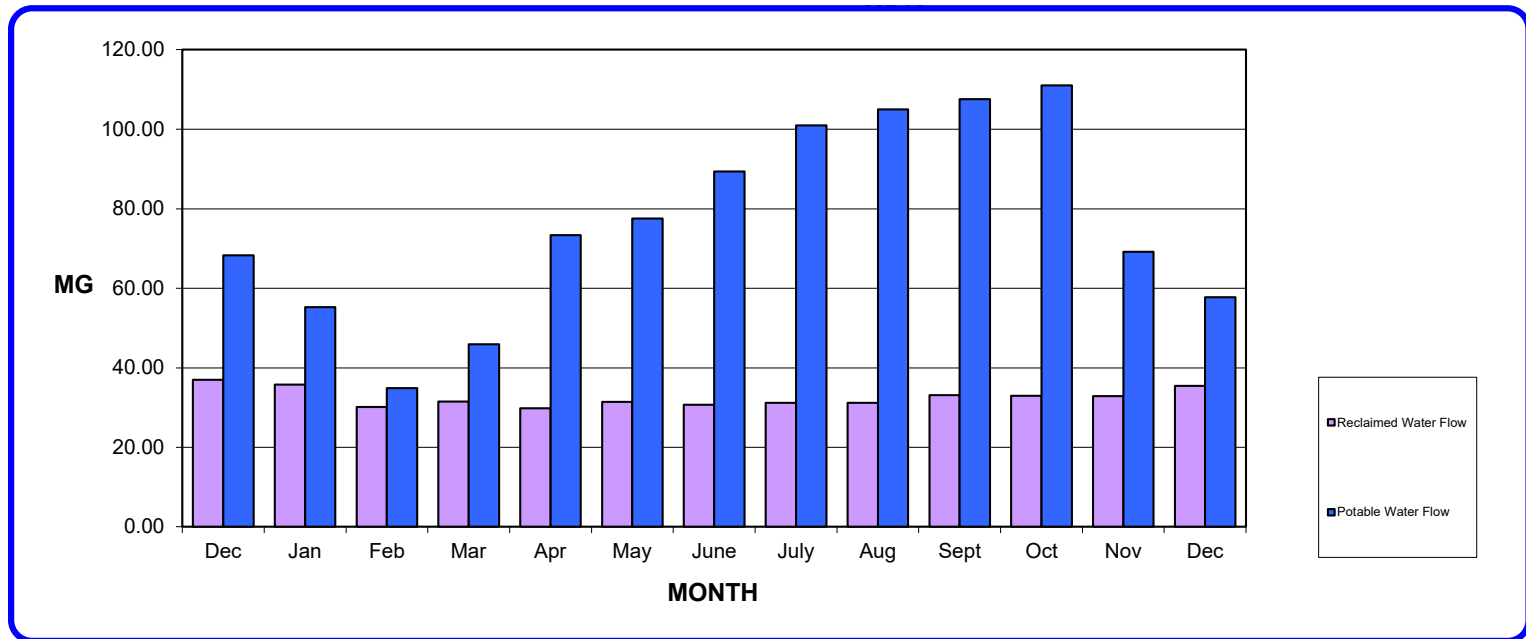


Key
2017-2018
2018-2019
2019-22020

Note - recycled water only

RECLAIMED WATER VERSUS POTABLE WATER MONTHLY FLOW (Million Gallons) FOR THE MONTH OF JULY 2019

	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
No. of Sewer Dwelling Units Connected	6230	6268	6265	6247	6253	6298	6456	6456	6366	6371	6413	6423	6480
Reclaimed Water Flow	36.98	35.77	30.11	31.54	29.83	31.43	30.71	31.17	31.16	33.15	32.92	32.84	35.47
Potable Water Flow	68.26	55.28	34.90	45.93	73.34	77.55	89.38	100.94	104.99	107.58	111.02	69.14	57.78



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
AVG '07-'08	18.1	32.7	15.9	32.2	21.7	37.1	0.03	-	25.9	106.6			
AVG '08-'09	24.6	33.8	17.0	33.3	32.6	40.8	-	-	25.4	53.3			
AVG '09-'10	21.9	30.0	15.8	30.2	26.3	38.0	-	-	23.0	51.7			
AVG '10-'11	20.6	27.6	15.5	25.8	25.1	35.2	-	-	22.3	36.0			
AVG '11-'12	21.0	27.9	15.9	27.3	24.7	34.0	-	-	22.5	82.3			
AVG '12-'13	21.9	31.3	15.6	27.5	23.6	30.5	-	-	22.9	190.0			
AVG '13-'14	22.5	33.8	16.5	28.2	24.5	30.6	-	-	23.0	9.8			
AVG '14-'15	20.7	28.4	15.4	26.8	21.9	28.2	-	-	21.2	62.8			
AVG '15-'16	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
AVG '16-'17	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
AVG '17-'18	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
AVG '18-'19	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 GALS.)

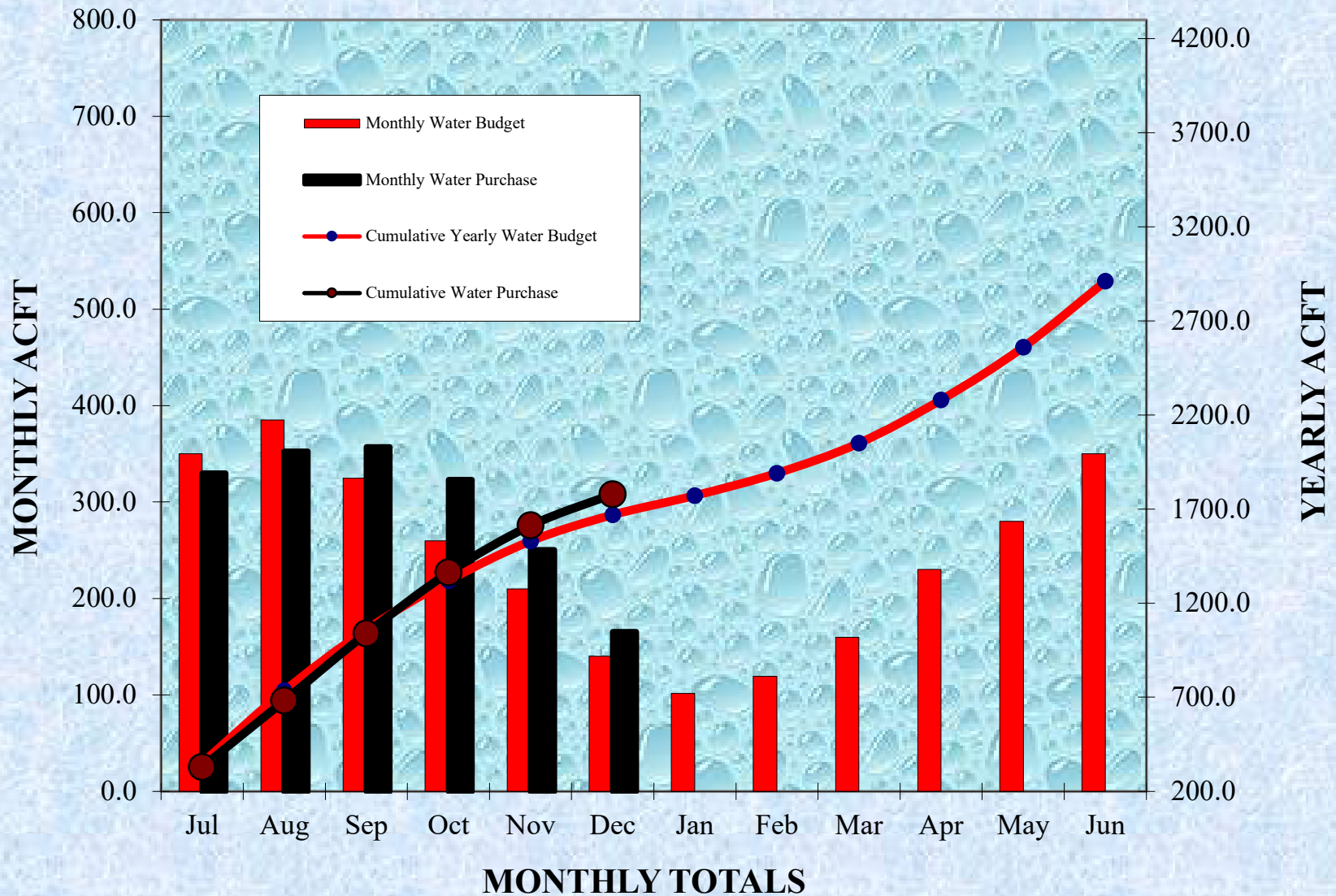
Jul-19	24.9	31.6	20.5	40.9	22.3	29.4	13.9	4.1	23.9	2,709.2	50,645.8	5,744.2	20,891.3
Aug-18	25.1	33.23	20.9	37.8	23.3	37.0	14.4	4.0	25.0	768.2	57,000.9	4,747.5	20,573.5
Sep-19	25.4	32.4	18.0	34.0	22.7	35.4	15.0	5.7	23.8	28.4	63,914.0	4,755.6	23,576.3
Oct-19	28.2	37.6	20.4	35.5	24.6	39.8	17.5	10.1	26.5	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													
Feb-20													
Mar-20													
Apr-20													
May-20													
Jun-20													
AVG '19-'20													

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

WHOLESALE BUDGET vs PURCHASE

Water Year July 2019 through June 2020

2900 ACFT PROJECTION)





January 28, 2020

Board of Directors
Temescal Valley Water District

RE: General Manager's Report

Dear Board:

The following is a brief status report on a number of 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.
- 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 – JCFA completed
 - Kiley Family Trust Property – Tract Map Stage
- Terramor CFD – CFD 4 annexation of Phase 2 completed
- Terramor Review:
 - RW and Potable Tank –In Construction –Punch list work continues
- Terramor Onsite Water, Sewer and RW improvements
 - Work continues Improvement Area 2 – Richmond America
- Sycamore Creek:
 - TM 36317 Water Sewer and RW improvement plans – TVWD infrastructure is 90% 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, working on Bypass Vault and Digester.
- 10 " Pipe line break in Caltrans ROW
 - Isolated, Cut the ends off and TV'd to find hole – Seeking Caltrans permission to fix.
 - Received Temporary and 3-week Caltrans Encroachment 10/14
 - Pulled Carrier on 10/16, cleaned Casing 10/117, Video inspect 10/17.
 - Submitted new application to Insitu sleeve existing Casing 11-18-19
 - Fixed steel casing extension 11-21-19
 - Final Caltrans encroachment permit received 12-11-19
 - Epoxy liner scheduled for Dec 18th



- Caltrans urethane grouting scheduled for Jan 6th – Jan 17th 2020
- Carrier pipe scheduled for Jan 20th 2020
- Completed and in operation Jan 27th 2020

MEMORANDUM

DATE: January 28, 2020

TO: Board of Directors
Temescal Valley Water District

FROM: General Manager

SUBJECT: Project: Phase IV Water Reclamation Facility Expansion Project –Payment Request 2
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 -	\$304,180.00
5% retention -	\$ 15,209.00
Earned less retention -	\$288,971.00

DUE - Contractor \$ 288,971.00

RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the payment of \$304,180.00 which is a current payment of \$288,971.00 to the Contractor and a retention payment of \$15,209.00 to be deposited in an Escrow Account.

Respectfully submitted,



Jeff Pape
General Manager

Pacific Hydrotech Payment Requests

Period Thru	Date Submitted	Date Approved	Date Paid	Payment Request No.	Total Comp to Date	Approved this Period	COST RESPONCIBILITY		PAYMENT SOURCE (see notes)				Math Check	
							33.33% TVWD	66.67% FORESTAR	TVWD		FORESTAR		Retainage 5.00%	PHC 95.00%
									Retainage	PHC	Retainage	PHC		
11/30/2019	12/9/2019	12/10/2019	12/17/2019	Request No. 1	\$ 638,750.00	\$ 638,750.00	\$ 212,916.67	\$ 425,833.33	\$ 10,645.83	\$ 202,270.83	\$ 21,291.67	\$ 404,541.67	\$ 31,937.50	\$ 606,812.50
12/31/2019	1/6/2020	1/14/2020	1/28/2020	Request No. 2	\$ 942,930.00	\$ 304,180.00	\$ 101,393.33	\$ 202,786.67	\$ 5,069.67	\$ 96,323.67	\$ 10,139.33	\$ 192,647.33	\$ 15,209.00	\$ 288,971.00
TOTALS TO DATE						\$ 942,930.00	\$ 314,310.00	\$ 628,620.00	\$ 15,715.50	\$ 298,594.50	\$ 31,431.00	\$ 597,189.00	\$ 47,146.50	\$ 895,783.50

- Notes:
- 1 Retainage - to Approved Escrow Account
 - 2 TVWD Payment Source - Sewer Fund
 - 3 Foremost Payment Source - CFD no. 4

**EXHIBIT B
TVWD SEWER TREATMENT PLANT EXPANSION**

	Actual		Paid/responsibility		
			TVWD	Forestar	
Generator Replacement					
Generator Replacement	\$ 415,400.00	ACS Engineering Contract	\$ 415,400.00		Pacific Hydrotech Contract Summary
Contingency 10%	\$ -				
Design Engineering 9%	\$ 46,150.00	By Dexter Wilson/Forestar		\$ 46,150.00	
Plan Check	\$ 5,470.00	Estimated TVWD Inspection		\$ 5,470.00	
CM and Inspection	\$ 26,250.00	Estimated Dudek Bidding	\$ 26,250.00		
	\$ 493,270.00				Contract Amount \$ 16,444,500.00
					Sum of Change Orders \$ -
					Current contract Amount \$ 16,444,500.00
SBR Controls And Equipment					
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				
Phase VI Treatment Plant Expansion					
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	\$ 9,847,409.00	\$ (2,451,827.28)
248.02	Developer =14.33%			\$ 2,057,290.25	\$ 963,159.16	0	\$ (963,159.16)
					\$ 18,040,000.00		\$ (3,414,986.44)

PAYMENT APPLICATION

TO: TEMECULA VALLEY WATER DISTRICT
22646 TEMESCAL CANYON RD.
CORONA, CA 92883

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

APPLICATION NO.: 2
PERIOD THRU: 12/31/2019

DISTRIBUTION TO:
 CONTRACTOR
 CONSTRUCTION MGR.
 CITY INSPECTOR
 OWNER

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

OWNER: TEMECULA VALLEY WATER DISTRICT
22646 TEMESCAL CANYON RD.
CORONA, CA 92883

DATE OF CONTRACT: ~~5/18/2019~~ 8/16/19

CONTRACTOR'S SUMMARY OF WORK

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

1. CONTRACT AMOUNT	16,444,500.00
2. SUM OF ALL CHANGE ORDERS	0.00
3. CURRENT CONTRACT AMOUNT (Line 1 + 2)	16,444,500.00
4. TOTAL COMPLETED AND STORED (Column G on Continuation Page)	942,930.00
5. RETAINAGE:	
A. 0% Of Completed Work (Columns D+ E on Continuation Page)	47,146.50
B. 0% of Material Stored (Column F on Continuation Page)	0.00
Total Retainage (Line 5a + 5b or Column I on Continuation Page)	47,146.50
6. TOTAL COMPLETED AND STORED LESS RETAINAGE: (Line 4 minus Line 5 Total)	895,783.50
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT:	606,812.50
8. CURRENT PAYMENT DUE:	288,971.00
9. BALANCE HELD BY OWNER: Line 3 - Line 6	15,548,716.50

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:  Date: 1/6/2020


CONSTRUCTION MANAGER: MUROW | DC

Construction Manager's signature below:

By:  Date: 1/7/2020

INSPECTOR: Temescal Valley Water District

Inspector's signature below:

By:  Date: 1-14-20

OWNER'S CERTIFICATION:

CERTIFIED AMOUNT: _____ \$ 288,971.00

OWNER: Temescal Valley Water District

Owner's signature below:

By:  Date: 1/14/20

PAYMENT APPLICATION DETAILS

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

Application Number: 2
For Period Ending: 12/31/2019

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	446,250.00	89,250.00	10.88%	0.00	535,500.00	65.30	284,500.00	26,775.00
01.01	BONDS AND INSURANCE	350,000.00	350000.00	0.00	0.00%	0.00	350000.00	100.00	0.00	17,500.00
01.02	MOBILIZE EQUIPMENT AND TEMP FACILITIES	325,000.00	81250.00	81,250.00	25.00%	0.00	162500.00	50.00	162,500.00	8,125.00
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	10000.00	5,000.00	25.00%	0.00	15000.00	75.00	5,000.00	750.00
01.05	CONSTRUCTION SCHEDULING	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
01.06	PRECONSTRUCTION VIDEO	5,000.00	5000.00	0.00	0.00%	0.00	5000.00	100.00	0.00	250.00
01.07	MAINTAIN TEMP FACILITIES	60,000.00	0.00	3,000.00	5.00%	0.00	3000.00	5.00	57,000.00	150.00
02	SHEETING, SHORING, AND BRACING	6,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,100.00	0.00
02.01	TRENCH SHORING	6,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,100.00	0.00
03	EROSION CONTROL	55,700.00	8,000.00	8,000.00	14.36%	0.00	16,000.00	28.73	39,700.00	800.00
03.01	BMP INSTALLATION	20,000.00	8000.00	8,000.00	40.00%	0.00	16000.00	80.00	4,000.00	800.00
03.02	BMP MAINTENANCE	35,700.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,700.00	0.00
04	SURVEY	24,200.00	0.00	2,420.00	10.00%	0.00	2,420.00	10.00	21,780.00	121.00
04.01	SURVEY	24,200.00	0.00	2,420.00	10.00%	0.00	2420.00	10.00	21,780.00	121.00
05	MAINTENANCE OF PLANT OPERATIONS	41,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	41,900.00	0.00
05.01	MAINTAIN PLANT FACILITY OPERATIONS	41,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	41,900.00	0.00
06	SCE CONDUIT AND PULL BOX INSTALLATION	231,100.00	157,750.00	4,750.00	2.06%	0.00	162,500.00	70.32	68,600.00	8,125.00
06.01	EXCAVATE AND BACKFILL FOR ELECTRICAL	95,000.00	90250.00	4,750.00	5.00%	0.00	95000.00	100.00	0.00	4,750.00
06.02	ELECT. DISCONNECT & REMOVAL OF WIRING	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
06.03	FURNISH & INSTALL PULL BOX PER DE0.0	12,500.00	12500.00	0.00	0.00%	0.00	12500.00	100.00	0.00	625.00
06.04	FURNISH & INSTALL SCE CONDUIT PER DE0.0	55,000.00	55000.00	0.00	0.00%	0.00	55000.00	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 DEQ.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	4,000.00	18,500.00	1.27%	0.00	22,500.00	1.55	1,431,400.00	1,125.00
08.01	POTHOLE	40,000.00	4000.00	16,000.00	40.00%	0.00	20000.00	50.00	20,000.00	1,000.00
08.02	UNLOAD PIPE MATERIALS	25,000.00	0.00	2,500.00	10.00%	0.00	2500.00	10.00	22,500.00	125.00
08.03	16" SEDIMENTATION TANK BYPASS LINE	125,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	125,000.00	0.00
08.04	10" PEF - PS TO EX 16" GE (11 thru 18)	175,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	175,000.00	0.00
08.05	10" PEF - PS TO EX 16" GE (19 thru 25)	175,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	175,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	85,000.00	0.00
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	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00

09	GRADING	454,900.00	22,750.00	93,810.00	20.62%	0.00	116,560.00	25.62	338,340.00	5,828.00
09.01	EXCAVATE INFLUENT VAULTS	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
09.02	FINE GRADE BOTTOM	2,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,500.00	0.00
09.03	BACKFILL INFLUENT VALVE VAULTS	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
09.08	FINE GRADE BOTTOM	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
09.09	BACKFILL REACTORS	7,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
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	22,750.00	26,000.00	40.00%	0.00	48,750.00	75.00	16,250.00	2,437.50
09.14	FINE GRADE BOTTOM	7,000.00	0.00	5,250.00	75.00%	0.00	5,250.00	75.00	1,750.00	262.50
09.15	BACKFILL DIGESTERS & BIOFILTER	62,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	62,000.00	0.00
09.16	LOAD EXPORT TRUCKS	31,400.00	0.00	12,560.00	40.00%	0.00	12,560.00	40.00	18,840.00	628.00
09.17	EXPORT SPOILS	125,000.00	0.00	50,000.00	40.00%	0.00	50,000.00	40.00	75,000.00	2,500.00
09.18	ROAD CLEAN UP	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	48,700.00	0.00
11.01	TEMPORARY BYPASS PIPING SYSTEM	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00
11.02	INSTALL/REMOVE PIPING @ INFL PS	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
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	0.00	63,950.00	41.61%	0.00	63,950.00	41.61	89,750.00	3,197.50
12.01	PROCURE PRECAST VAULT	30,000.00	0.00	30,000.00	100.00%	0.00	30,000.00	100.00	0.00	1,500.00
12.02	PROCURE DIP AND VALVES @ VAULT	55,000.00	0.00	2,750.00	5.00%	0.00	2,750.00	5.00	52,250.00	137.50
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	0.00	15,000.00	100.00%	0.00	15,000.00	100.00	0.00	750.00

12.06	PREP SUBGRADE	2,500.00	0.00	2,500.00	100.00%	0.00	2500.00	100.00	0.00	125.00
12.07	SET VAULT	12,200.00	0.00	12,200.00	100.00%	0.00	12200.00	100.00	0.00	610.00
12.08	BACKFILL VAULT	10,000.00	0.00	1,500.00	15.00%	0.00	1500.00	15.00	8,500.00	75.00
12.09	PIPE AND APPURTENANCES INSIDE VAULT	17,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	17,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	339,300.00	0.00
13.01	PURCHASE PIPING @ INFLUENT PS	71,300.00	0.00	0.00	0.00%	0.00	0.00	0.00	71,300.00	0.00
13.02	PURCHASE & INSTALL PUMPS @ INFLUENT PS	110,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	110,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	72,000.00	0.00
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	0.00	0.00%	0.00	0.00	0.00	70,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	336,200.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	180,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	1,907,100.00	0.00
18.01	LAYOUT FLOOR	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
18.02	FORM FLOOR	115,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	115,000.00	0.00
18.03	INSTALL REBAR	250,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	250,000.00	0.00

18.04	POUR FLOOR	365,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	365,000.00	0.00
18.05	STRIP FLOOR	95,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	95,900.00	0.00
18.06	CURE FLOOR	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
18.07	ASSEMBLE/DISASSEMBLE WALL FORMS	125,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	125,000.00	0.00
18.08	FORM STRAIGHT WALLS	150,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	150,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
18.25	INSTALL MUD VALVES	3,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,500.00	0.00
18.26	CONCRETE PADS @ BLOWERS	3,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	164,200.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
19.03	LAYOUT EQUIPMENT	8,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	33,900.00	0.00
21.01	ACQUIRE NEW AIR COMPRESSORS	29,400.00	0.00	0.00	0.00%	0.00	0.00	0.00	29,400.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	1,983,300.00	0.00
22.01	DRILL/SET DOWELS	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
22.02	LAYOUT SLAB	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
22.03	FORM FLOOR	130,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	130,000.00	0.00
22.04	INSTALL REBAR	215,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	215,000.00	0.00
22.05	POUR SLAB	250,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	250,000.00	0.00
22.06	STRIP SLAB	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
22.07	CURE SLAB	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
22.08	ASSEMBLE/DISASSEMBLE WALL FORMS	85,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	85,000.00	0.00
22.09	FORM WALLS	140,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	140,000.00	0.00
22.10	INSTALL REBAR	175,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	175,000.00	0.00
22.11	POUR WALLS	285,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	285,000.00	0.00
22.12	STRIP WALLS	80,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	80,000.00	0.00
22.13	CURE WALLS	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
22.14	SET RAILINGS	65,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	65,000.00	0.00

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	0.00	3,500.00	0.22%	0.00	3,500.00	0.22	1,595,400.00	175.00
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	0.00	3,500.00	100.00%	0.00	3500.00	100.00	0.00	175.00
23.09	BUBBLER DIFFUSERS (75%)	52,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	52,000.00	0.00
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	0.00	0.00%	0.00	0.00	0.00	18,900.00	0.00
24.01	ELECTRICAL MODIFICATIONS - INFLUENT PS	18,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,900.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	308,000.00	0.00
26.01	F&I COND. & PLBOX PRIMARY SED. TANK	120,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	120,000.00	0.00
26.02	F&I CONDUIT PRIMARY SED. GALLERY	135,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	135,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	116,400.00	0.00
27.01	FURNISH & INSTALL CONDUIT - EQ. BASIN	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	67,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	234,500.00	0.00
28.01	F&I CONDUIT & PULL BOXES - SBR	154,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	154,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	13,600.00	0.00
29.01	CONDUIT & WIRE - TERT FILTER & AIR COMP	13,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	13,600.00	0.00

30	AEROBIC DIGESTER AND ASSC. EQUIP ELECT	54,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	54,200.00	0.00
30.01	CONDUIT & WIRE - AEROBIC DIGESTER	54,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	54,200.00	0.00
31	SITE ELECTRICAL, SCE SERVICE, AND INSTR	899,500.00	0.00	20,000.00	2.22%	0.00	20,000.00	2.22	879,500.00	1,000.00
31.01	CONTROL SYSTEM ENGINEERING & DRAWINGS	20,000.00	0.00	20,000.00	100.00%	0.00	20000.00	100.00	0.00	1,000.00
31.02	FURNISH FIELD INSTRUMENTS	120,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	120,000.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	114,500.00	0.00
31.05	ELECTRICAL DUCTBANK TERTIARY FILTER	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
31.06	ELECTRICAL DUCTBANK AEROBIC DIGESTOR	60,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	60,000.00	0.00
31.07	ELECTRICAL DUCTBANK CHEMICAL HANDLING	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
31.08	ELECTRICAL DUCTBANK PRIMARY SED	55,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	55,000.00	0.00
31.09	ELECTRICAL DUCTBANK SBR'S	55,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	55,000.00	0.00
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
TOTAL:		16,444,500.00	638,750.00	304,180.00	1.85%	0.00	942930.00	5.73	15,501,570.00	47,146.50

PAYMENT APPLICATION DETAILS

Customer: TEMESCAL VALLEY WATER DISTRICT

Application Number: 2

Project: C1916-WATER RECLAMATION PLANT PHASE IV

For Period Ending: 12/31/2019

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	446,250.00	89,250.00	10.88%	0.00	535,500.00	65.30	284,500.00	26,775.00
02	SHEETING, SHORING, AND BRACING	6,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,100.00	0.00
03	EROSION CONTROL	55,700.00	8,000.00	8,000.00	14.36%	0.00	16,000.00	28.73	39,700.00	800.00
04	SURVEY	24,200.00	0.00	2,420.00	10.00%	0.00	2,420.00	10.00	21,780.00	121.00
05	MAINTENANCE OF PLANT OPERATIONS	41,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	41,900.00	0.00
06	SCE CONDUIT AND PULL BOX INSTALLATION	231,100.00	157,750.00	4,750.00	2.06%	0.00	162,500.00	70.32	68,600.00	8,125.00
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	4,000.00	18,500.00	1.27%	0.00	22,500.00	1.55	1,431,400.00	1,125.00
09	GRADING	454,900.00	22,750.00	93,810.00	20.62%	0.00	116,560.00	25.62	338,340.00	5,828.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	48,700.00	0.00
12	EQ BYPASS VAULT INCLUDING PIPING	153,700.00	0.00	63,950.00	41.61%	0.00	63,950.00	41.61	89,750.00	3,197.50
13	INFLUENT PUMP STATION	339,300.00	0.00	0.00	0.00%	0.00	0.00	0.00	339,300.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	336,200.00	0.00
18	SBR TANKS AND EQUIPMENT PADS	1,907,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	1,907,100.00	0.00
19	INSTALL OF OWNER FURNISHED SBR EQUIPMENT	164,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	164,200.00	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
21	TERTIARY FILTER AIR COMPRESSORS	33,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	33,900.00	0.00
22	AEROBIC DIGESTERS	1,983,300.00	0.00	0.00	0.00%	0.00	0.00	0.00	1,983,300.00	0.00
23	AEROBIC DIGESTER MECHANICAL EQUIPMENT	1,598,900.00	0.00	3,500.00	0.22%	0.00	3,500.00	0.22	1,595,400.00	175.00

24	INFLUENT PUMP STATION ELECTRICAL	18,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,900.00	0.00
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	0.00	0.00	0.00%	0.00	0.00	0.00	308,000.00	0.00
27	EQ BASIN ELECTRICAL	116,400.00	0.00	0.00	0.00%	0.00	0.00	0.00	116,400.00	0.00
28	SBR ELECTRICAL WORK	234,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	234,500.00	0.00
29	TERT. FILTER & AIR COMPRESSOR ELECTRICAL	13,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	13,600.00	0.00
30	AEROBIC DIGESTER AND ASSC. EQUIP ELECT	54,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	54,200.00	0.00
31	SITE ELECTRICAL, SCE SERVICE, AND INSTR	899,500.00	0.00	20,000.00	2.22%	0.00	20,000.00	2.22	879,500.00	1,000.00
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
TOTAL:		16,444,500.00	638,750.00	304,180.00	1.85%	0.00	942930.00	5.73	15,501,570.00	47,146.50

MEMORANDUM

DATE: January 28, 2020
TO: Board of Directors
Temescal Valley Water District
FROM: General Manager
SUBJECT: Project: SOLAR Ready Carports

BACKGROUND

Staff has requested and budgeted for carports in FY 17/18 and 18/19 but was unable to find a contractor that would design and build Solar Ready carports without the installation of solar panels as a condition of the project. We have found a contractor that designs and builds carport structures for some of the larger solar companies and requested a price for the carports and an estimate of the KW's that would be generated if we filled each structure with panels.

FISCAL IMPACT

Purchase and placement of the solar panels needs to be considered with a larger project and will be looked at in the future. The Carport structures are designed for solar panels that can be installed in the future. The attached proposal includes a cover for our equipment.

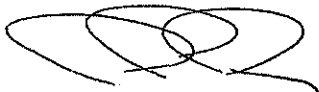
General Building Improvement Budget -	\$71,000.00
Carport Cost including Equipment Cover -	\$73,668.54

RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the purchase and installation of Solar Ready Car and Equipment storage Covers.

Respectfully submitted,



Jeff Pape
General Manager



QUOTE DOCUMENT

Baja Construction Inc., 223 Foster St., Martinez, CA 94553
Tel: (800) 366-9600, (925) 229-0732

Quote #: B1069
Date: 1/21/2020
Sales: Bob Hayworth

Customer: Jeff Pape	Prepared for: Jeff Pape	Estimator: Ramon Monge
Project: Lee Lake Water District	Email: jeffp@temescalvwd.com	Email: ramon@bajacarports.com
Job site: 22646 Temescal Canyon Rd, Corona, CA	Phone: 951-667-6323	Phone: 925-293-4860

Structure Description:

Cold Form Light Gauge Hi Tensile Strength Open Cee Brase Single Post carports, as described on the summary of structure dimensions.

Planned Locations of Structures:	Paved parking lots as shown on customer issued layout.	Assumed Surface Condition:	Existing Asphalt
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Design Load considered:

Code:	IBC	Risk Category:	II
Wind speed:	110 MPH	Exposure:	C
Snow load:	0 PSF	Seismic cat.:	D
		Live Load:	20

Building Data:

Structure Type:	Brase Single Post Open Cee	Tilt (DEG):	5
Max Bay spacing:	18 ft	Total SQ FT:	7,176.91
Max Clear Ht:	9 ft	Total No. of Structures:	5
		Estimated Frames:	19.00

Roof sheeting

Type of sheet:	N/A
Finish:	N/A
Gauge:	N/A

Roof Trim

Type of Trim:	N/A
Finish:	N/A
Gauge:	N/A

Customer Supplied PV Panel and attachments:

HANWHA Q CELL Q.PLUS L-G4.2 350
Customer Issued PV Design Layout:
PORTRAIT

INCLUDED ITEMS:

- Wet stamped engineering plans and calcs for materials supplied by Baja.
- Engineering, Materials, Labor and Equipment to install the planned carports at non-prevailing wage rates.
- Freight for material delivery to jobsite.
- Columns, beams hi-tensile strength light gauge, secondary cee purlins G90 finish.
- Pricing includes foundation work - drilling pier footings and concrete placement. Foundation design based upon 2000 psi soil bearing pressure assumption.

EXCLUDED ITEMS:

- Permits and permit fees.
- Hiring any special inspections or 3rd party engineering lab inspections.
- PV panels, and attachment accessories.
- Any electrical work scope, including the grounding of the primary structures.
- Field Painting and touch up.
- Water management, weathertight guarantee or warranty.
- Prevailing wage rates and Certified Payroll.
- Removal of spoils, any hard dig, alternate spread footings, large capacity machinery, any crane lifts, painting, snow guards, cleats or snow management systems.
- Temporary construction fencing, safety cones, delineators, temporary traffic signs, temp. power, water hook up.
- Concrete Work.
- Performance Bonds.

Notes:

- If no geotechnical report was provided at time of bid. Estimated drillable pier footing dimensions 30" diameter x 8'-0" depth).
- Asphalt finished grade only – break the asphalt using a jack hammer equipped asphalt cutter bit
- Assumed 2500, 3000 psi concrete industry standard 5 sack, 1" aggregate mixed.
- Baja to call Underground Service Alerts for all public underground lines.
- Assumes grade variance is not more than 6" across the width or depth. Site is considered level unless otherwise noted. The structure will be built to follow slope of the ground.

Base Bid Price : <u>Engineering, Supplied and Installed Solar Support Structures:</u>	\$73,668.54
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Options:

TOTAL
Pricing quotation is good for 30 days of issuance, unless specified and mutually agreed prior to issuance of quote. If price quote is accepted, a formal proposal will be prepared and issued for execution. Once proposal is executed and downpayment is received, preliminary drawings will be prepared for review. Once preliminary drawings are approved, engineering submittal package will be prepared and supplied. Please allow three weeks for wet stamped engineering and calculations.

QUOTE DOCUMENT

Baja Construction Inc., 223 Foster St., Martinez, CA 94553
 Tel: (800) 366-9600, (925) 229-0732

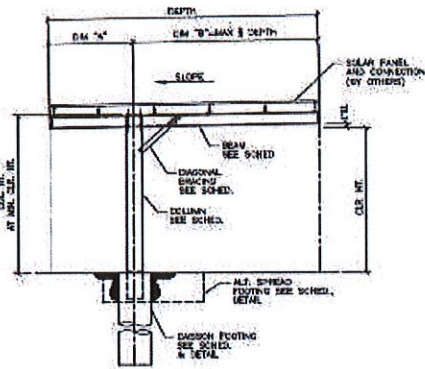
Quote #: B1069
 Date: 1/21/2020
 Sales: Bob Hayworth

SUMMARY OF STRUCTURE DIMENSIONS

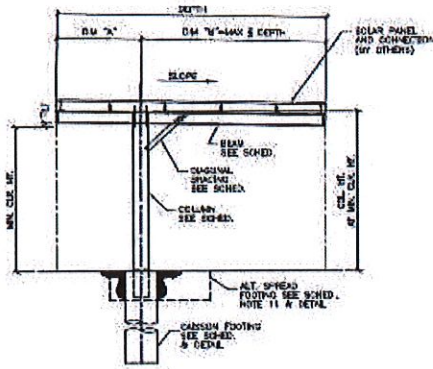
# of Bldg.	Array	PV Panels	Structure Depth(FT)	Structure width (FT)	Bays			Carport Type	Area
1	1	48	19.79	53.45	3.00	@	18.00	BRASE SINGLE POST	1,057.90
1	2	45	19.79	50.13	3.00	@	18.00	BRASE SINGLE POST	992.14
1	3	105	19.79	116.58	7.00	@	18.00	BRASE SINGLE POST	2,307.30
1	4	48	19.79	53.45	3.00	@	18.00	BRASE SINGLE POST	1,057.90
1	5	80	32.96	53.45	3.00	@	18.00	BRASE SINGLE POST	1,761.68

5 326 Total SQ FT: 7,176.91

Sketch-(Schematic Detail Only) - Base Bid



CROSS SECTION
BSP 1/4"=1'-0"

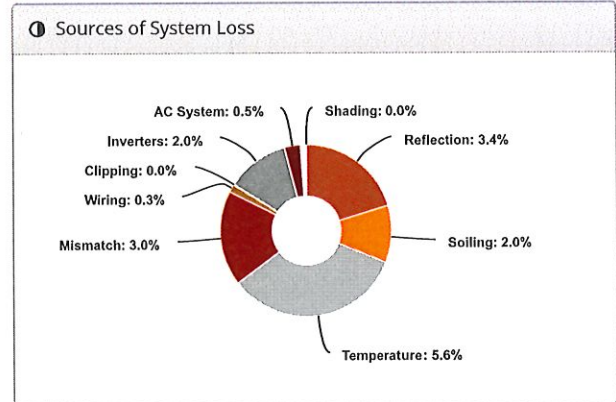
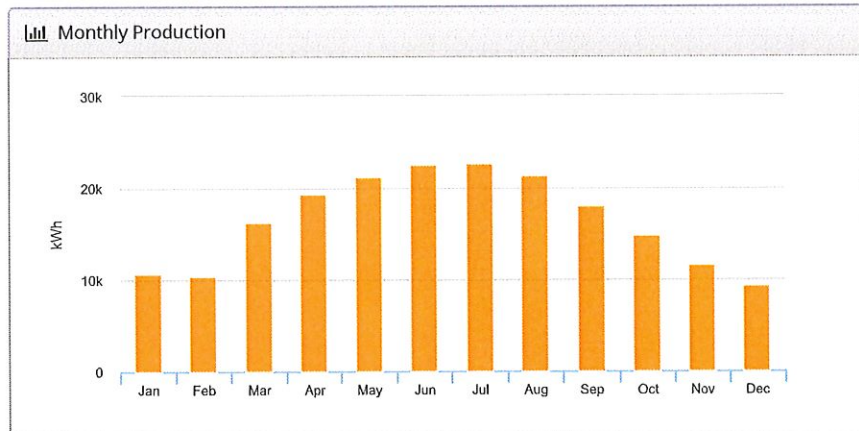
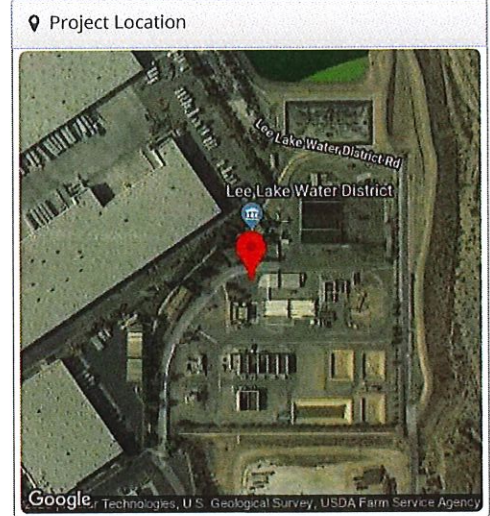


CROSS SECTION
BSP 1/4"=1'-0"

Baja Carports Lee Lake Water District, 22646 Temescal Canyon Rd, Corona, CA 92883

Report	
Project Name	Lee Lake Water District
Project Address	22646 Temescal Canyon Rd, Corona, CA 92883
Prepared By	Darren Kelly dkelly@bajacarports.com

System Metrics	
Design	Baja Carports
Module DC Nameplate	114.1 kW
Inverter AC Nameplate	120.0 kW Load Ratio: 0.95
Annual Production	198.1 MWh
Performance Ratio	84.3%
kWh/kWp	1,736.3
Weather Dataset	TMY, 10km grid (33.75,-117.45), NREL (prospector)
Simulator Version	54fdca6c88-3e336f7dcd-daa9dbfcd8-3bc3db9703



Annual Production

	Description	Output	% Delta
Irradiance (kWh/m ²)	Annual Global Horizontal Irradiance	1,997.3	
	POA Irradiance	2,058.7	3.1%
	Shaded Irradiance	2,058.6	0.0%
	Irradiance after Reflection	1,988.3	-3.4%
	Irradiance after Soiling	1,948.6	-2.0%
	Total Collector Irradiance	1,948.6	0.0%
Energy (kWh)	Nameplate	222,205.4	
	Output at Irradiance Levels	222,608.5	0.2%
	Output at Cell Temperature Derate	210,037.3	-5.6%
	Output After Mismatch	203,698.0	-3.0%
	Optimal DC Output	203,176.3	-0.3%
	Constrained DC Output	203,171.0	0.0%
	Inverter Output	199,108.0	-2.0%
	Energy to Grid	198,112.0	-0.5%
Temperature Metrics			
	Avg. Operating Ambient Temp		18.8 °C
	Avg. Operating Cell Temp		29.6 °C
Simulation Metrics			
	Operating Hours	4666	
	Solved Hours	4666	

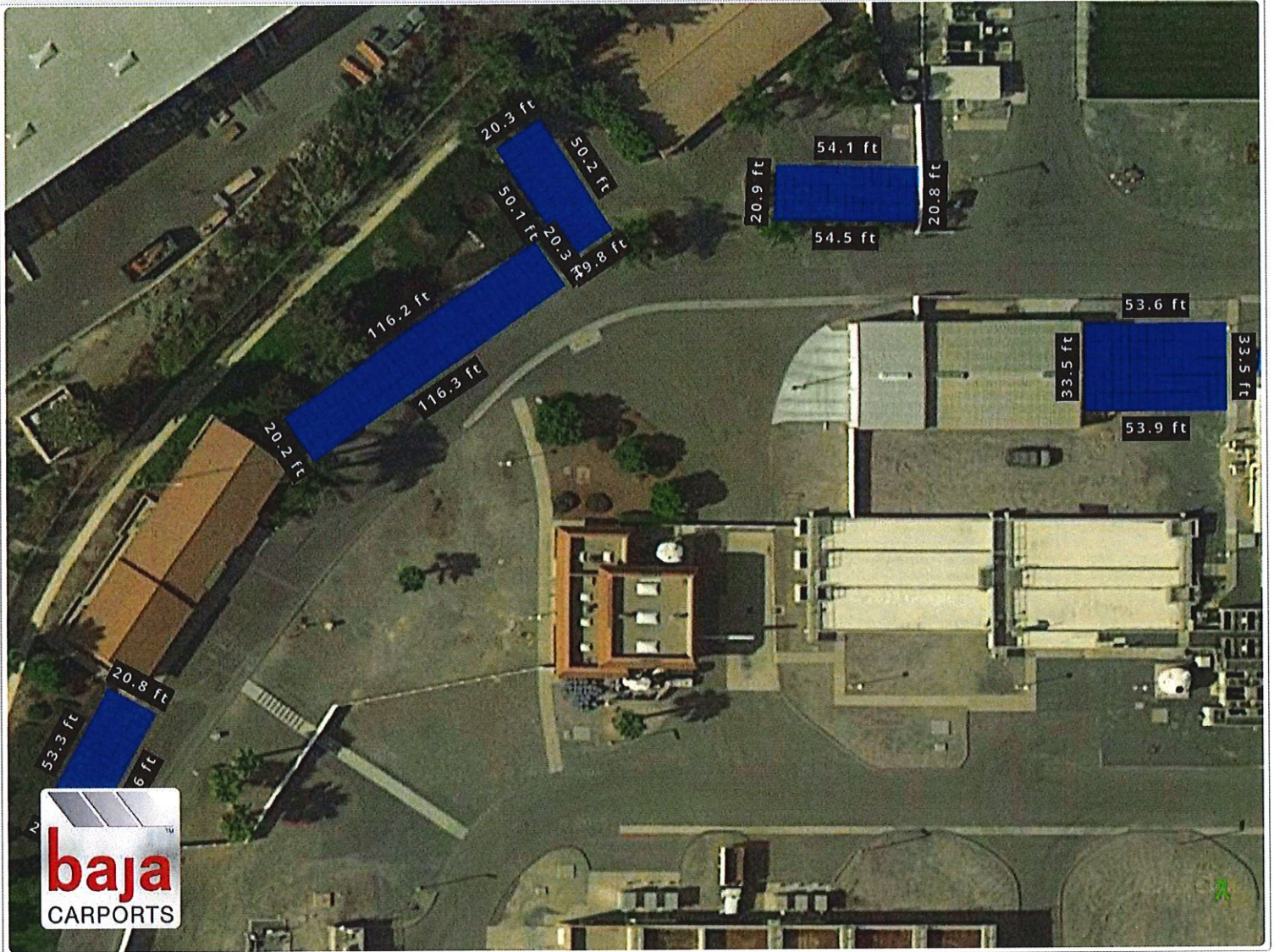
Condition Set												
Description	Condition Set 1											
Weather Dataset	TMY, 10km grid (33.75,-117.45), NREL (prospector)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
Temperature Model Parameters	Rack Type	a		b		Temperature Delta						
	Fixed Tilt	-3.56		-0.075		3°C						
	Flush Mount	-2.81		-0.0455		0°C						
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	2	2	2	2	2	2	2	2	2	2	2	2
Irradiation Variance	5%											
Cell Temperature Spread	4° C											
Module Binning Range	-2.5% to 2.5%											
AC System Derate	0.50%											
Module Characterizations	Module	Uploaded By		Characterization								
	Q.PLUS L-G4.2 350 (Hanwha Q Cells)	Folsom Labs		Hanwha_Qcells_QPLUS_L-G4.2_350_64.pan, PAN								
Component Characterizations	Device	Uploaded By		Characterization								
	SCA30KTL-DO (Chint Power Systems)	Folsom Labs		Spec Sheet Efficiency								

Components		
Component	Name	Count
Inverters	SCA30KTL-DO (Chint Power Systems)	4 (120.0 kW)
Home Runs	500 MCM (Copper)	8 (688.3 ft)
Combiners	1 Input Combiner	8
Combiners	2 Input Combiner	4
Combiners	3 Input Combiner	4
Strings	10 AWG (Copper)	20 (2,441.7 ft)
Module	Hanwha Q Cells, Q.PLUS L-G4.2 350 (350W)	326 (114.1 kW)

Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	12	14-19	Along Racking

Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Carport	Portrait (Vertical)	5°	118.385°	0.0 ft	1x1	48	48	16.8 kW
Field Segment 2	Carport	Portrait (Vertical)	5°	145.24630460377944°	0.0 ft	1x1	105	105	36.8 kW
Field Segment 3	Carport	Portrait (Vertical)	5°	181.43928962788243°	0.0 ft	1x1	48	48	16.8 kW
Field Segment 4	Carport	Portrait (Vertical)	5°	236.5404977466094°	0.0 ft	1x1	45	45	15.8 kW
Field Segment 5	Carport	Portrait (Vertical)	5°	179.80756932339136°	0.0 ft	1x1	80	80	28.0 kW

Detailed Layout



January 23, 2020

Board of Directors
Temescal Valley Water District

Re: Water and Sewer Operations – December 2019

Dear Board Members:

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

- Managed 192.39 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 2019 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 5840 water meters.
- 22 shut offs.
- Responded 119 service calls.
- Installed 21 meters for the various developers
- Responded to 112 USA Dig Alerts to mark District underground utilities.

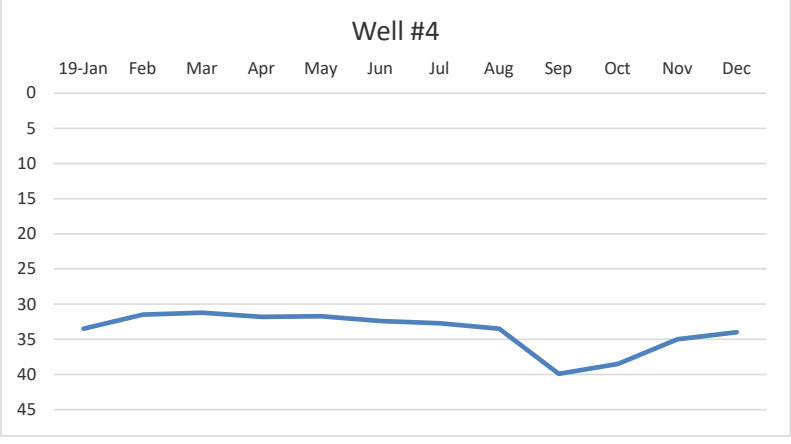
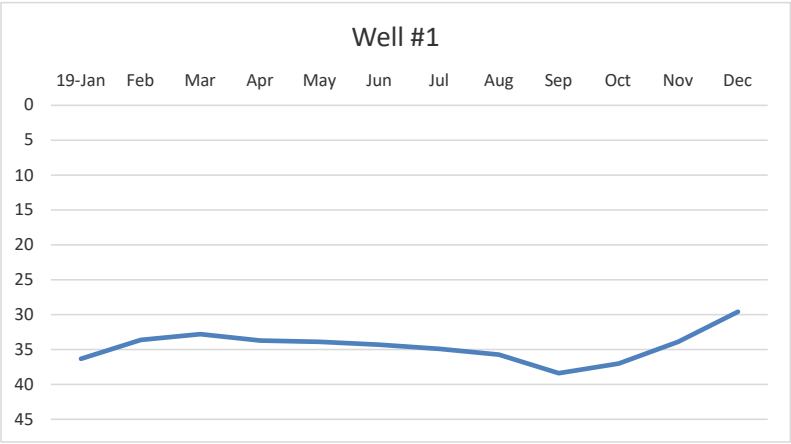
In addition to the above regular and routine tasks we also performed the following operational tasks.

- Maintained aesthetic appearance of all District facilities.
- 11 loads of biosolids were hauled off this period.
- TVWD had an inspection by the South Coast AQMD for our emergency generators throughout our system.

- Operations staff installed a new composite sampler at our Wastewater Facility effluent chamber for permit sampling compliance.
- Operations staff worked with contractors to repair several more leaks on the AG-line for Weirick Canyon.
- Staff retrofitted several of our larger generator fuel tanks to allow for emergency filling.

Sincerely,

Paul Bishop, Superintendent



**TEMESCAL VALLEY WATER DISTRICT
ENGINEERING DEPARTMENT**

DISTRICT ENGINEER’S MONTHLY REPORT

Date: January 23, 2020
To: Jeff Pape, General Manager
From: Justin Scheidel, District Engineer
Subject: Engineering Activities Update for the Month of January 2020

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) – 2nd plan check completed, comments returned to the Engineer for incorporation.

Tract 37153 “Motor Court Development” (10555, Phase 11) – 2nd plan check completed and comments were returned to the Engineer for incorporation. Currently under review by the County of Riverside.

Speedway Commercial Development (10555, Phase 13) – The 2nd plan check has been submitted by the developer and will be reviewed and returned this month.

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. This month a quality control review was completed by an independent engineer not involved in the design of the project.

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: 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 90% 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 preliminary plan and profile drawings for the project and baseline project specifications. Currently final annotation of the proposed facilities are being added at which point the 75% design submittal will be provided to the District Manager for review.

75% Complete

Project 1401.1907: Trilogy Reservoir Rehabilitation: The project was bid on 12/19/19 with two responsive bidders. The project is currently under review by the board for potential award.

Design Completed

Project 1401.1908: Emergency Ag-Line Repair: Developed rehabilitation plan with General Manager for Caltrans Approval. Coordinated with contractor to repair the existing casing and coordinated with the cast in place pipe manufacturer for procurement of the liner. The liner was installed on 12/18/19, and Caltrans repaired the subgrade of the freeway during the week of January 6th. A CCTV inspection of the installed and grouted liner was completed last week with no major defects. The new carrier pipe was installed on 1/21/20 and closure pieces connecting the new carrier with the existing pipeline on each side of the freeway is expected to be completed by 1/24/20, completing this emergency repair.