

**AGENDA FOR THE REGULAR MEETING OF THE  
BOARD OF DIRECTORS OF THE  
TEMESCAL VALLEY WATER DISTRICT  
FEBRUARY 26, 2019, 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 February 23, 2019.

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Allison Harnden, Office Manager

**AGENDA FOR REGULAR MEETING  
February 26, 2019**

**Page No.**

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

**BOARD ITEMS:**

4. **Appointment of new Director.** **6-10**  
**RECOMMENDATION:** To be made by the ad hoc committee.
5. **Appointment of new Chairman for Engineering Committee.** **(-)**  
**RECOMMENDATION:** To be made by the Board.
6. **Appointment of new member to Engineering Committee.** **(-)**  
**RECOMMENDATION:** To be made by the Board.
7. **Minutes of the January 22, 2019 Regular Meeting.** **11-14**  
**RECOMMENDATION:** Approve Minutes as written.
8. **Payment Authorization Report.** **15-18**  
**RECOMMENDATION:** Approve Report and authorize payment of the January 22-February 26, 2019 invoices.
9. **Revenue & Expenditure Reports. (Unaudited).**
  - a. **Revenue & Expenditure Reports.** **19-41**  
**RECOMMENDATION:** Note and file.
  - b. **Lien update.** **42**  
**RECOMMENDATION:** Note and file.

	<u>Page No.</u>
<b>10. Trilogy Development.</b>	
a. Homeowners Association update.	(-)
b. Golf Course update.	(-)
<b>11. Sycamore Creek Development.</b>	
a. Project Update.	(-)
b. 1738 homes to be built. 1587 houses occupied to date. 91% complete.	
<b>12. Terramor Development (Forestar Toscana).</b>	
a. Project Update.	(-)
b. Resolution No. R-19-02. Resolution of Intention to Annex Certain Property as Improvement Area No. 2 to Community Facilities District No. 4 (Terramor) of TVWD. <b>RECOMMENDATION:</b> To be made by the Board.	<b>43-80</b>
c. Resolution No. R-19-03. Resolution of Intention to Incur Bonded Indebtedness within Community Facilities District No. 4 (Terramor) for Improvement Area No. 2. <b>RECOMMENDATION:</b> To be made by the Board.	<b>81-82</b>
d. 1443 homes to be built. 227 houses released to date.	
<b>14. Harmony Grove (Griffin Homes).</b>	(-)
a. Project Update.	
b. 50 homes to be built. 3 houses released to date.	
<b>15. Water Utilization Reports.</b>	<b>83-94</b>
<b>RECOMMENDATION:</b> Note and file.	
<b>16. Sustainable Groundwater Management Act.</b>	(-)
a. Project Update.	



	<u>Page No.</u>
<b>17. Committee Reports.</b>	
a. Finance (Director Rodriguez).	(-)
b. Engineering.	(-)
c. Public Relations (Allison Harnden).	(-)
<b>18. General Manager's Report.</b>	
a. General Manager's Report.	95
b. TRB Coating & Construction Payment Request #1. <b>RECOMMENDATION:</b> Authorize the payment of \$73,534.75 for the recoating of the Sycamore Creek potable tank coating.	96-97
c. 2019 Rate Adjustments per 2016 Rate Study. <b>RECOMMENDATION:</b> To be made by the Board.	98-114
d. Water Reclamation Facility Treatment Plant Expansion Bid. <b>RECOMMENDATION:</b> Authorize the General Manager to enter into Agreement for CM services with Murow.	115-131
<b>19. Operations Report.</b>	132-134
a. Water and Sewer Operations.	
<b>20. District Engineer's Report.</b>	135-136
a. Status of Projects.	
<b>21. District Counsel's Report.</b>	(-)
<b>22. Seminars/Workshops.</b>	(-)
<b>23. Consideration of Correspondence.</b>	137
An informational package containing copies of all pertinent correspondence for the Month of January will be distributed to each Director along with the Agenda.	
<b>24. Adjournment.</b>	(-)

# **MEMORANDUM**

DATE: February 26, 2019  
TO: Board of Directors  
Temescal Valley Water District  
FROM: General Manager  
SUBJECT: Board Vacancy

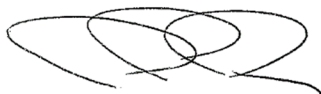
## **BACKGROUND**

The Board of Directors received a resignation letter from Director Grant Destache on January 22, 2019. Subsequent to being notified of the resignation, the Board passed a Resolution stating that they would fill the vacancy left by Director Destache's resignation and formed an ad hoc committee to interview any potential candidates. The District notified the County of Riverside and posted the vacancy in three locations. The District received two requests from land owners in the District to fill the vacant seat and the ad hoc committee interviewed both candidates.

## **RECOMMENDATION**

It is recommended that the ad hoc committee make a recommendation of a Candidate to fill the vacant Board seat and that the Board of Directors take appropriate action on the recommendation.

Respectfully submitted,



Jeff Pape  
General Manager



# NOTICE OF VACANCY

**Interested persons are hereby notified that  
pursuant to Government Code §1780  
there is a vacancy on the  
TEMESCAL VALLEY WATER DISTRICT Board of Directors.**

Landowners interested in service in this capacity are requested to submit a letter of introduction and a statement of their qualifications to the District Office on or before **FEBRUARY 18, 2019**.

Temescal Valley Water District  
22646 Temescal Canyon Road  
Temescal Valley, CA 92883

Phone: (951) 277-1414  
Website: [www.temescalvwd.com](http://www.temescalvwd.com)

Office Hours:  
Monday – Thursday 7:30 am to 5:00 pm  
Friday 7:30 am to 4:00 pm  
Excluding Holidays

**RESOLUTION NO. R - 19 - 01**

**RESOLUTION OF INTENTION  
TO FILL VACANCY ON BOARD OF DIRECTORS  
TEMESCAL VALLEY WATER DISTRICT,  
RIVERSIDE COUNTY, CALIFORNIA**

WHEREAS, there is a vacancy on the Board of Directors due to resignation of Board member Grant Destache;

NOW, THEREFORE, it is resolved that the Board of Directors of the Temescal Valley Water District shall appoint a replacement Board member at its meeting on February 26, 2019.

ADOPTED, SIGNED and APPROVED this 22<sup>nd</sup> day of January 2019.

ATTEST:

By: \_\_\_\_\_

Secretary, Board of Directors  
Temescal Valley Water District

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

1/22/19

APPROVED:

By: \_\_\_\_\_

President, Board of Directors  
Temescal Valley Water District

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

1/22/19

I, Paul Rodriguez hereby certify that I am the duly appointed and presently acting Secretary of Temescal Valley Water District, a California Water District; that the foregoing is a full and correct copy of Resolution No. R-19-01 of said District; that said Resolution was duly adopted on January 22, 2019 at a regular meeting of the Board of Directors of said District by the following roll call vote:

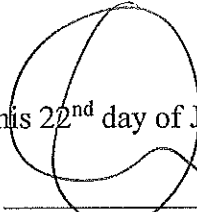
AYES: Colladay, Rodriguez, Butter, Harich

NOES: —

ABSTAIN: —

ABSENT: Destache

IN WITNESS WHEREOF, I have hereunto set my hand this 22<sup>nd</sup> day of January 2019.

  
\_\_\_\_\_, Secretary  
Temescal Valley Water District

(SEAL)



# OATH OF OFFICE

(Required by Article XX, Constitution of California)

For the Office of: \_\_\_\_\_

State of California )  
                                  ) ss.  
County of Riverside )

I do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

\_\_\_\_\_

PRINTED NAME

SIGNATURE

\_\_\_\_\_

RESIDENCE ADDRESS

Subscribed and sworn to before me on \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of Authorized Official

\_\_\_\_\_  
Title of Authorized Official

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

**January 22, 2019**

**PRESENT**

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

**ABSENT**

G. Destache

**GUESTS**

T. Davis  
B. Clingman  
J. Sincich

**STAFF**

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

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

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

**2. Presentations and Acknowledgments.**

- 3. Public Comment** – Tracy Davis thanked the Board for access to our facilities in order to gather acorns. Jerry Sincich asked the Board if we would be painting the non-potable tank to match the water tank color.

**BOARD ITEMS:**

**4. Minutes of the December 18, 2018 Regular Meeting.**

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

**5. Payment Authorization Report.**

**ACTION:** Director Rodriguez moved to approve the December 18, 2018-January 22, 2019 invoices. Director Harich seconded. Motion carried unanimously.

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

a. Revenue & Expenditure Reports.

**ACTION:** Note and file.

b. Lien update.

**ACTION:** Note and file.

**7. Resignation of Director Destache.**

**ACTION:** President Colladay called for the formation of an ad hoc committee of himself and Director Rodriguez to interview qualified candidates for the open seat.

**8. Resolution No. R-19-01, Resolution of Intention to Fill Vacancy on Board of Directors Temescal Valley Water District, Riverside County, California.**

**ACTION:** Director Rodriguez moved to adopt Resolution No. R-19-01. Director Butler seconded. Motion carried unanimously.

The Board and staff had a lengthy discussion on Director Destache's service to the District, the asset he has been to the Board, and that accepting his resignation is not without remorse.

**9. Trilogy Development.**

- a. Homeowners Association update.
- b. Golf Course update.

**10. Sycamore Creek Development.**

- a. Project Update.
- b. 1738 homes to be built. 1566 houses occupied to date. 90% complete.

**11. Terramor Development (Forestar Toscana).**

- a. Project Update.
- b. Ordinance O-16-01 of the Board of Directors Temescal Valley Water District, acting in its capacity as the Legislative Body of Community Facilities District No. 4 (Terramor) of Temescal Valley Water District, authorizing the Levy of Special Tax within Improvement Area No. 1 of the District.

**ACTION:** Director Rodriguez moved to approve Ordinance O-16-01. Director Harich seconded. Motion carried unanimously.

- c. CFD #4 Terramor Procedure for Funding Reimbursement Packages.

**ACTION:** Director Rodriguez moved to approve procedure and authorize General Manager to fund the Final Authorized amount. Director Butler seconded. Motion carried unanimously.

- d. 1443 estimated homes to be built. 205 houses released to date.

President Colladay left the meeting at this time.



12. **Harmony Grove (Griffin Homes).**
  - a. Project Update.
  - b. 50 estimated homes to be built.
13. **Water Utilization Reports.**

**ACTION:** Note and file.
14. **Sustainable Groundwater Management Act.**
  - a. Project Update.
15. **Committee Reports.**
  - a. Finance (Director Rodriguez) – Director Rodriguez reported that the committee met with Raftelis on January 18<sup>th</sup>.
  - b. Engineering (Director Destache).
  - c. Public Relations (Allison Harnden) – Allison reported on recent customer calls concerning increased water consumption.
16. **General Manager’s Report.**
  - a. General Manager’s Report – The General Manager reported on current projects.
  - b. ACS Engineering, Inc. Generator Payment Request #2.

**ACTION:** Director Harich moved to approve the payment of \$180,880. Director Butler seconded. Motion carried unanimously.
17. **Operations Report.**
  - a. Water and sewer operations.
18. **District Engineer’s Report.**
  - a. Status of Projects.
19. **District Counsel’s Report.**
20. **Seminars/Workshops.**

**21. Consideration of Correspondence.**

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

**22. Adjournment.**

There being no further business, the January 22, 2019 Regular Meeting of the Temescal Valley Water District Board of Directors was adjourned at 9:55 a.m. by President Colladay.

**ATTEST:**

**APPROVED:**

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

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

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

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

TEMESCAL VALLEY WATER DISTRICT  
 PAYMENT AUTHORIZATION REPORT  
 FEBRUARY 26, 2019

Check #	Date	Payee ID	Payee	Amount	
22077	1/17/19	ES	ERIC STEPHENSON CONTRACTOR	4,025.00	CAP- OPER BUILD REMODEL
22078	1/18/19	DH	DAVID HARICH-FIN MTG	243.87	
22079	1/18/19	RO	PAUL RODRIGUEZ-FIN MTG	246.37	
22080	1/21/19	JB02	JUAN BENITEZ FLOORING	1,000.00	CAP- OPER BUILD REMODEL
22081	1/21/19	CO	CHARLES W. COLLADAY	301.07	
22082	1/21/19	DH	DAVID HARICH	243.87	
22083	1/21/19	JB	JOHN B. BUTLER	246.37	
22084	1/21/19	RO	PAUL RODRIGUEZ	246.37	
22085	1/25/19	AD	PAYROLL	-	
22086	1/25/19	BE	PAYROLL	-	
22087	1/25/19	CG	PAYROLL	-	
22088	1/25/19	CL	PAYROLL	-	
22089	1/25/19	DB	PAYROLL	-	
22090	1/25/19	JH	PAYROLL	-	
22091	1/25/19	KN	PAYROLL	-	
22092	1/25/19	LK	PAYROLL	-	
22093	1/25/19	MM	PAYROLL	-	
22094	1/25/19	PB	PAYROLL	-	
22095	1/25/19	BE	VOID	-	
22096	1/25/19	ACSE	ACS ENGINEERING	180,880.00	CAP- PLT GENERATOR
22097	1/25/19		VOID	-	
22098	1/25/19	BE	PAYROLL	-	
22099	1/25/19	AGSI	AUTOMATED GATE SERVICES INC	169.00	
22100	1/25/19	ATTM	AT & T MOBILITY	606.72	
22101	1/25/19	BA01	BABCOCK LABORATORIES, INC	1,050.00	
22102	1/25/19	CM01	CORE & MAIN	346.91	
22103	1/25/19	DIC	DICKSON	2,695.00	CROSS CONNECTION DATA LOGGER
22104	1/25/19	DPCI	DON PETERSON CONTRACTING, INC.	8,599.00	REPAIR BAR RAKE ASSEM
22105	1/25/19	EW01	EWING IRRIGATION PRODUCTS	69.78	
22106	1/25/19	IEI	INNERLINE ENGINEERING INC	2,080.75	
22107	1/25/19	MTM	MASTER TECH MECHANICAL	12,607.00	CAP-AIR COND OPER REMODEL
22108	1/25/19	PLM01	PARRA LANDSCAPE MAINTENANCE	810.00	
22109	1/25/19	RDO01	RDO EQUIPMENT	493.09	
22110	1/25/19	SA02	SAM'S CLUB	163.53	
22111	1/25/19	TR01	TRAN CONTROLS SCADA SOLUTIONS, LLC.	1,548.37	MONTHLY
22112	1/25/19	TR012	TRAN CONTROLS SCADA SOLUTIONS, LLC.	11,539.82	REPAIR HEAD WORKS CONTROL/PLC
22113	1/25/19	UBB	USA BLUEBOOK	317.12	
22114	1/25/19	UPG	UNITED POWER GENERATION	5,515.12	YEARLY PRE MAINT
22115	1/25/19	VA01	VALLEY CITIES/GONZALES FENCE	965.00	
22116	1/25/19	XI	XALOGY INC	3,332.40	MONTHLY IT
22117	1/25/19	EL	EDUARDO LOPEZ-TRK MAINT	100.00	
20118	1/25/19		VOID	-	

TEMESCAL VALLEY WATER DISTRICT  
 PAYMENT AUTHORIZATION REPORT  
 FEBRUARY 26, 2019

Check #	Date	Payee ID	Payee	Amount	
22119	1/25/19	GMDM	GUTIRREZ MAINTENANCE	350.00	
22120	1/25/19	KEN	KEN CALDWELL-CONSULTANT	400.00	
22121	1/25/19	JB02	JUAN BENITEZ FLOORING	8,950.00	CAP- OPER BUILD REMODEL
22122	1/30/19	EL	EDUARDO LOPEZ-TRK MAINT	80.00	
22123	2/8/19	AD	PAYROLL	-	
22124	2/8/19	BE	PAYROLL	-	
22125	2/8/19	CG	PAYROLL	-	
22126	2/8/19	CL	PAYROLL	-	
22127	2/8/19	DB	PAYROLL	-	
22128	2/8/19	JH	PAYROLL	-	
22129	2/8/19	KN	PAYROLL	-	
22130	2/8/19	LK	PAYROLL	-	
22131	2/8/19	MM	PAYROLL	-	
22132	2/8/19	PB	PAYROLL	-	
22133	2/8/19	ACSI	ALEXANDER'S CONTRACT SERVICES, INC.	5,221.20	
22134	2/8/19	CA16	CALIFORNIA CHOICE BENEFIT ADMINISTRATOR	11,867.26	2 MONTHS
22135	2/8/19	CE01	CENTRAL COMMUNICATIONS	79.00	
22136	2/8/19	CUSI	CONTINENTAL UTILITY SOLUTIONS INC.	2,000.00	
22137	2/8/19	DSC	DATABASE SYSTEMS CORP.	342.13	
22138	2/8/19	ECS	ECS IMAGING INC	3,743.00	LASER FICHE SUPPORT
22139	2/8/19	HES	HOLLOWAY ENVIRONMENTAL SOLUTIONS	2,403.86	
22140	2/8/19	PLM01	PARRA LANDSCAPE MAINTENANCE	650.00	
22141	2/8/19	PPE	PRIVATE PEST EXTERMINATORS	286.00	
22142	2/8/19	PR11	PRESS ENTERPRISE-CIRCULATION	338.33	
22143	2/8/19	RFC	RAFTELIS FINANCIAL CONSULTANTS	3,500.00	RATE REVIEW
22144	2/8/19	SCAP	VOID	-	
22145	2/8/19	SEMA	SEMA INC.	716.54	
22146	2/8/19	SO03	SOUTHERN CALIF EDISON CO.	31,017.08	
22147	2/8/19	ST01	STAPLES CREDIT PLAN	1,328.68	
22148	2/8/19	TWC	SPECTRUM BUSINESS	1,018.49	
22149	2/8/19	UN01	UNDERGROUND SERVICE ALERT	118.90	
22150	2/8/19	WA01	WASTE MANAGEMENT - INLAND EMPIRE	913.61	
22151	2/8/19	USB01	US BANK GOVERNMENT SERVICES	745.02	
22152	2/9/19	CO	CHARLES W. COLLADAY	301.07	
22153	2/9/19	SCNG	SOUTHEREN CALIFORNIA NEWS GROUP	516.00	
22154	2/12/19	REFUND	TIMOTHY ZAMMIT	122.43	
22155	2/12/19	REFUND	JOSEPH LABRUZZO	257.68	
22156	2/12/19	REFUND	STEVEN HUNTER	188.43	
22157	2/12/19	REFUND	CHARLES LEE JOHNSON	150.20	
22158	2/12/19	REFUND	TRI POINTE HOMES	1,042.27	
22159	2/12/19	REFUND	MEHUL ANJARIA	191.62	
22160	2/12/19	REFUND	BRANDON SMOCK	34.20	

TEMESCAL VALLEY WATER DISTRICT  
 PAYMENT AUTHORIZATION REPORT  
 FEBRUARY 26, 2019

Check #	Date	Payee ID	Payee	Amount	
22161	2/12/19	REFUND	BRIAN HARDY	218.39	
22162	2/12/19	REFUND	MARIE PARKER	166.14	
22163	2/12/19	REFUND	ADAM NEMETH	140.63	
22164	2/12/19	REFUND	TRISTAN TRAN	116.98	
22165	2/12/19	REFUND	LC PAVING & SEALING INC	1,029.48	
22166	2/12/19	ATT01	AT&T	291.64	
22167	2/12/19	ATTM	AT & T MOBILITY	740.09	
22168	2/12/19	CAM	CHANDLER INVESTMENT MANAGEMENT	1,000.00	
22169	2/12/19	DWEI	DEXTER WILSON ENGINEERING INC	370.00	
22170	2/12/19	GMDM	GUTIRREZ MAINTENANCE/ DANIEL GUTIERREZ	350.00	
22171	2/12/19	HO01	HOME DEPOT CREDIT SERVICES	220.46	
22172	2/12/19	ME01	MEYERS GROUP, LLC	1,870.31	
22173	2/12/19	MH01	MCFADDEN-DALE HARDWARE CO.	467.40	
22174	2/12/19	NC	NORTHSTAR CHEMICAL	10,665.27	
22175	2/12/19	RMC	RMC, A WOODARD & CURRAN COMPANY	2,707.50	CAP-UWMP
22176	2/12/19	ST02	STATE COMPENSATION INSUR.FUND	1,868.50	
22177	2/12/19	TIS	THOMPSON INDUSTRIAL SUPPLY	1,126.12	
22178	2/12/19	WE01	WESTERN MUNICIPAL WATER DISTR.	13,059.50	
22179	2/12/19	XI	XALOGY INC	3,332.40	MONTHLY IT
22180	2/12/19		WESTERN MUNICIPAL WATER DISTRI	350.00	
22181-22182	2/12/19		VOID	-	
22183	2/15/19	ES	ERIC STEPHENSON CONTRACTOR	4,175.00	CAP-OPER BLD REMODEL
22184	2/22/19	AG	AIRGAS	77.70	
22185	2/22/19	BB01	BUDGET BLINDS	3,555.00	CAP-OPER BLD REMODEL
22186	2/22/19	BT	BT PIPELINE INC.	15,929.00	REP-14" LINE/FIREHYD/20" LINE
22187	2/22/19	CM01	CORE & MAIN	1,961.75	
22188	2/22/19	DPCI	DON PETERSON CONTRACTING, INC.	11,696.00	REPAIR BAR RAKE ASSEM
22189	2/22/19	DU01	DUDEK & ASSOCIATES-CONTRACT MGT	16,640.80	
22190	2/22/19	DU02	DUDEK & ASSOCIATES-SPECIAL PROJECTS	4,735.00	
22191	2/22/19	DU03	DUDEK & ASSOCIATES-PASS THRU	13,788.95	
22192	2/22/19	DU04	DUDEK & ASSOCIATES-GENL ENG	3,166.75	
22193	2/22/19	EASI	ENGINEERED AIR SERVICES, INC.	309.18	
22194	2/22/19	Maxim	MAXIM SECURITY SERVICES	1,602.00	
22195	2/22/19	PLM01	PARRA LANDSCAPE MAINTENANCE	450.00	
22196	2/22/19	SAQMDHB	SOUTH COAST AIR QUALITY MGT DIST	2,940.91	
22197	2/22/19	TRB	TRB COATING & CONSTRUCTION	73,534.75	CAP-TANK COATING SYC CRK
22198	2/22/19	UN01	UNDERGROUND SERVICE ALERT	69.40	
22199	2/22/19	UPG	UNITED POWER GENERATION	4,781.53	YRLY PRE MAINT
22200	2/22/19	VPB	VOGEL'S PLUMBING & BACKFLOW	275.00	
22201	2/22/19	CO	CHARLES W. COLLADAY-INT MEETING	301.07	
22202	2/22/19	RO	PAUL RODRIGUEZ-INT MEETING	246.37	
22203	2/22/19	AD	PAYROLL	-	

TEMESCAL VALLEY WATER DISTRICT  
 PAYMENT AUTHORIZATION REPORT  
 FEBRUARY 26, 2019

Check #	Date	Payee ID	Payee	Amount
22204	2/22/19	BE	PAYROLL	-
22205	2/22/19	CG	PAYROLL	-
22206	2/22/19	CL	PAYROLL	-
22207	2/22/19	CO	CHARLES W. COLLADAY	301.07
22208	2/22/19	DB	PAYROLL	-
22209	2/22/19	DH	DAVID HARICH	243.87
22210	2/22/19	JB	JOHN B. BUTLER	246.37
22211	2/22/19	JH	PAYROLL	-
22212	2/22/19	KN	PAYROLL	-
22213	2/22/19	LK	PAYROLL	-
22214	2/22/19	MM	PAYROLL	-
22215	2/22/19	PB	PAYROLL	-
22216	2/22/19	RO	PAUL RODRIGUEZ	246.37
22217	2/18/19	FI01	FIDELITY INVESTMENTS	960.80
22218	2/22/19	FI01	FIDELITY INVESTMENTS	747.00
22219	2/22/19	FI01	FIDELITY INVESTMENTS	700.00
2220-2223	2/22/19		VOID	-
22224	2/22/19	WE01	WESTERN MUNICIPAL WATER DISTR.	110,562.73
Total				\$ 633,649.71

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

2/26/19

Date

**TEMESCAL VALLEY WATER DISTRICT  
INTERNAL BALANCE SHEET  
31-Dec-18**

**ASSETS**

Fixed Assets (net of accumulated depreciation)		
Land	\$	902,118
Treatment Plants		13,708,648
Capacity Rights		13,503,639
Water System, Reservoir & Wells		8,850,543
Water & Sewer Mains		31,134,126
General Equipment Sewer/Water/ Furniture		310,662
Buildings & Entrance Improvements		304,800
		<hr/>
	\$	68,714,536
Current Assets		
Cash - Wastewater	11,195,997	
Cash - Water	11,212,514	
Cash - ID #1	510,888	
Cash - ID #2	197,436	
Cash - Nonpotable	2,301,454	
Cash - Deposits	1,053,991	26,472,280
		<hr/>
Accounts Receivable-Services/Developers		2,077,450
Assessment Receivable		235,053
Interest Receivable		19,135
Prepaid Expenses		15,882
Inventory		61,695
		<hr/>
		28,881,495
Other Assets		
Work-in-Process		247,953
Deferred Outflows - Pension		197,154
		<hr/>
<b>TOTAL ASSETS</b>	<b>\$</b>	<b>98,041,138</b>

**LIABILITIES**

Current Liabilities		
Accounts Payable	\$	231,390
Security Deposits		240,540
Payroll & Payroll Taxes Payable		55,202
Capacity & Meter Deposits		179,730
Fiduciary Payments Payable		255,523
Developer Deposits		287,211
Other Deposits		90,988
		<hr/>
		1,340,583
Long-term Liabilities		
TVRP Note		1,418,396
Deferred Inflows - Pension		3,762
		<hr/>
<b>TOTAL LIABILITIES</b>	<b>\$</b>	<b>2,762,741</b>

**FUND EQUITY**

Fund Balances		
Waste Water Fund Balance		34,609,948
Water Fund Balance		46,478,744
ID #1 Fund Balance		602,892
ID #2 Fund Balance		560,094
Recycled Water Fund Balance		13,026,720
		<hr/>
<b>TOTAL FUND EQUITY</b>	<b>\$</b>	<b>95,278,397</b>
<b>TOTAL LIABILITIES &amp; FUND EQUITY</b>	<b>\$</b>	<b>98,041,138</b>

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

	JAN			YEAR TO DATE			BUDGET 2018-2019	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b><u>WASTEWATER DEPARTMENT</u></b>								
OPERATING REVENUE:								
MONTHLY SEWER SERVICE CHARGE	189,722	193,500	(3,778)	1,343,012	1,354,500	(11,488)	2,320,000	(976,988)
MONTHLY SERVICE CHARGE-ID #1	10,767	10,767	-	75,365	75,365	-	129,200	(53,835)
MONTHLY SERVICE CHARGE-ID #2	12,179	12,179	-	85,249	85,249	-	146,150	(60,901)
MONTHLY SEWER SERVICE CHG-R COM	9,099	9,440	(341)	66,072	66,080	(8)	113,300	(47,228)
MISC UTILITY CHARGES/ REVENUE	648	400	248	6,485	2,900	3,585	5,000	1,485
STANDBY CHARGES	-	-	-	2,254	-	2,254	110,000	(107,746)
CFD REIMBURSEMENTS	-	-	-	10,000	10,000	-	20,000	(10,000)
INSPECTION CHARGES	4,550	3,800	750	29,313	26,800	2,513	46,000	(16,687)
TOTAL WASTEWATER REVENUE	226,965	230,086	(3,121)	1,617,750	1,620,894	(3,144)	2,889,650	(1,271,900)
OPERATING EXPENSES:								
PLANT WAGES EXPENSE	9,036	9,550	(514)	66,703	69,050	(2,347)	137,000	(70,297)
INSPECTION WAGES EXPENSE	2,480	2,400	80	17,360	17,900	(540)	31,000	(13,640)
PAYROLL TAXES EXP	503	250	253	1,969	1,750	219	3,000	(1,031)
EMPLOYEE BENEFITS-INS	1,333	1,425	(92)	6,279	7,675	(1,396)	18,500	(12,221)
EMPLOYEE BENEFITS-RETIREMENT	972	1,460	(488)	8,304	9,960	(1,656)	19,000	(10,696)
OVERTIME EXP	249	600	(351)	443	4,100	(3,657)	7,000	(6,557)
MILEAGE EXP	86	100	(14)	1,390	600	790	1,000	390
VACATION EXP	624	750	(126)	4,369	5,150	(781)	8,800	(4,431)
ELECTRICIAN LABOR COSTS	-	420	(420)	-	2,940	(2,940)	5,000	(5,000)
SCADA SYSTEM ADMIN/MAINT	-	850	(850)	8,430	5,850	2,580	10,000	(1,570)
LABORATORY TESTING COSTS	1,979	1,250	729	14,824	8,750	6,074	15,000	(176)
SLUDGE DISPOSAL/PUMPING COSTS	3,040	2,500	540	12,805	17,500	(4,695)	30,000	(17,195)
SLUDGE DISPOSAL BAG EXP	-	-	-	21,333	25,000	(3,667)	25,000	(3,667)
SLUDGE CHEMICAL EXP	-	5,000	(5,000)	11,399	35,000	(23,601)	60,000	(48,601)
EQUIPMENT RENTAL COSTS	-	200	(200)	-	1,200	(1,200)	2,000	(2,000)
EQUIPMENT REPAIRS & MAINT.	24,515	15,500	9,015	86,619	108,500	(21,881)	185,000	(98,381)
SEWER LINE REPAIRS	-	1,000	(1,000)	-	6,000	(6,000)	10,000	(10,000)
SEWER CLEANING AND VIDEO EXP	2,081	1,250	831	4,607	8,750	(4,143)	15,000	(10,393)
SECURITY AND ALARM EXP	-	-	-	275	1,500	(1,225)	3,000	(2,725)
PROPERTY MAINTENANCE	2,386	3,500	(1,114)	21,852	23,500	(1,648)	40,000	(18,148)
ENGINEERING/ADMIN. STUDIES	-	1,500	(1,500)	3,850	11,500	(7,650)	20,000	(16,150)
ENERGY COSTS	12,251	15,750	(3,499)	126,821	110,750	16,071	190,000	(63,179)
CONSUMABLE SUPPLIES & CLEANING	290	850	(560)	5,826	5,850	(24)	10,000	(4,174)
CHEMICALS, LUBRICANTS & FUELS	7,402	5,000	2,402	56,008	35,000	21,008	60,000	(3,992)
SMALL EQUIPMENT & TOOLS COST	2,258	1,250	1,008	23,599	8,750	14,849	15,000	8,599
PERMITS, FEES & TAXES (WTR BRD FEE)	-	2,100	(2,100)	19,014	14,600	4,414	25,000	(5,986)
SAWPA BASIN MONITORING EXP	-	-	-	11,080	25,000	(13,920)	25,000	(13,920)
MAP UPDATING/GIS EXP	-	-	-	-	1,000	(1,000)	2,000	(2,000)
MISC. OPERATING EXP	-	-	-	-	500	(500)	1,000	(1,000)
BAD DEBT EXPENSES	-	-	-	27	-	27	1,500	(1,473)
CONTINGENCIES (Cross Conection)	5,200	3,000	2,200	28,800	21,500	7,300	37,000	(8,200)
TOTAL OPERATING EXPENSES	76,685	77,455	(770)	563,986	595,125	(31,139)	1,011,800	(447,814)



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

	JAN			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2018-2019	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	6,656	8,500	(1,844)	54,232	57,500	(3,268)	100,000	(45,768)
GENERAL ENGINEERING EXP	160	1,250	(1,090)	5,085	8,750	(3,665)	15,000	(9,915)
EMPLOYEE BENEFITS-INS	606	1,550	(944)	8,879	11,550	(2,671)	20,000	(11,121)
EMPLOYEE BENEFITS-RETIREMENT	1,920	1,820	100	14,297	13,620	677	23,500	(9,203)
ANNUAL ASSESSMENT EXP	-	-	-	5,688	5,000	688	5,000	688
PLAN CHECK & INSPECTION EXP	667	200	467	7,468	1,500	5,968	2,500	4,968
WAGES EXPENSE	11,658	12,625	(967)	89,061	94,625	(5,564)	164,000	(74,939)
VACATION EXP	797	1,000	(203)	5,579	6,750	(1,171)	11,500	(5,921)
PAYROLL TAX EXPENSES	404	240	164	1,709	1,790	(81)	3,100	(1,391)
OVERTIME EXP	-	100	(100)	-	600	(600)	1,000	(1,000)
MILEAGE EXP ADMIN	-	42	(42)	-	294	(294)	500	(500)
CONTRACT STAFFING EXP	-	-	-	-	1,000	(1,000)	2,000	(2,000)
LEGAL EXPENSES	-	900	(900)	1,985	5,900	(3,915)	10,000	(8,015)
AUDIT EXPENSES	-	-	-	5,400	5,500	(100)	5,500	(100)
BOARD COMMITTEE MEETING EXP.	722	1,000	(278)	4,821	7,000	(2,179)	12,000	(7,179)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	-	-
COMPUTER SYSTEM ADMIN	1,333	1,500	(167)	8,545	10,500	(1,955)	18,000	(9,455)
BANK CHARGES EXP	2,248	1,250	998	14,084	8,750	5,334	15,000	(916)
MISCELLANEOUS & EDUCATION EXP	-	400	(400)	1,498	2,900	(1,402)	5,000	(3,502)
TELEPHONE, FAX & CELL EXP	782	1,000	(218)	6,082	7,000	(918)	12,000	(5,918)
OFFICE SUPPLIES EXP	986	1,400	(414)	7,264	9,400	(2,136)	16,000	(8,736)
PRINTING EXPENSES	-	-	-	2,548	3,000	(452)	6,000	(3,452)
POSTAGE & DELIVERY EXPENSE	927	1,100	(173)	6,796	7,700	(904)	13,200	(6,404)
PUBLICATIONS, NOTICES & DUES	69	-	69	436	500	(64)	750	(314)
EQUIPMENT LEASE EXPENSES	313	620	(307)	3,146	4,320	(1,174)	7,400	(4,254)
INSURANCE EXPENSES	1,770	2,400	(630)	12,716	16,400	(3,684)	28,000	(15,284)
COMMUNITY OUTREACH EXP	-	-	-	3,951	4,000	(49)	8,000	(4,049)
INVESTMENT EXP	400	400	-	2,800	2,800	-	4,800	(2,000)
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>32,418</b>	<b>39,297</b>	<b>(6,879)</b>	<b>274,070</b>	<b>298,649</b>	<b>(24,579)</b>	<b>509,750</b>	<b>(235,680)</b>
<b>TOTAL WASTEWATER EXPENSES</b>	<b>109,103</b>	<b>116,752</b>	<b>(7,649)</b>	<b>838,056</b>	<b>893,774</b>	<b>(55,718)</b>	<b>1,521,550</b>	<b>(683,494)</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>117,862</b>	<b>113,334</b>	<b>4,528</b>	<b>779,694</b>	<b>727,120</b>	<b>52,574</b>	<b>1,368,100</b>	<b>(588,406)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
OTHER REVENUE REIMB-MANDATE COSTS	-	-	-	-	-	-	-	-
INTEREST INCOME	9,476	1,250	8,226	44,889	8,750	36,139	15,000	29,889
PROPERTY TAX INCOME	-	-	-	9,502	10,000	(498)	70,000	(60,498)
<b>TOTAL NON-OPER SOURCE OF FUNDS</b>	<b>9,476</b>	<b>1,250</b>	<b>8,226</b>	<b>54,391</b>	<b>18,750</b>	<b>35,641</b>	<b>85,000</b>	<b>(30,609)</b>
<b>TOTAL SEWER REVENUE/EXPENSE</b>	<b>127,338</b>	<b>114,584</b>	<b>12,754</b>	<b>834,085</b>	<b>745,870</b>	<b>88,215</b>	<b>1,453,100</b>	<b>(619,015)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				386,636				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				447,449				
CONNECTION FEES				250,234				
				-				

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

**WASTE WATER CAPITAL FUND:**

ENDING FUNDS AVAILABLE 2017-2018	<b>11,261,532</b>
TRANSFER FOR CAPITAL FUND REPLACEMENT	<b>386,636</b>
TRANSFER FOR CAPITAL IMPROVEMENTS	<b>697,683</b>
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	<b><u>(284,421)</u></b>
TOTAL FUNDS AVAILABLE	<b><u>12,061,430</u></b>

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

	JAN			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2018-2019	REMAINING
<b><u>WATER DEPARTMENT</u></b>								
<b>OPERATING REVENUE:</b>								
WATER SERVICE CHARGE	125,944	139,600	(13,656)	952,758	977,200	(24,442)	1,675,000	(722,242)
WATER USAGE CHARGES	228,150	292,600	(64,450)	2,608,603	2,549,800	58,803	4,180,000	(1,571,397)
WATER PUMPING CHARGE	9,575	11,200	(1,625)	81,762	97,600	(15,838)	160,000	(78,238)
FIRE PROTECTION CHARGES	2,957	2,800	157	20,749	19,600	1,149	33,500	(12,751)
MISC. UTILITY CHARGES	3,209	3,000	209	28,299	21,000	7,299	36,000	(7,701)
SERVICE METER INCOME	13,800	8,000	5,800	73,228	58,000	15,228	100,000	(26,772)
CELLULAR SITE LEASE	2,957	2,900	57	20,699	20,400	299	35,000	(14,301)
MWD READINESS TO SERVE CHARGE	12,690	11,800	890	87,415	82,800	4,615	142,000	(54,585)
STANDBY CHARGES	-	20,500	(20,500)	1,670	20,500	(18,830)	41,000	(39,330)
CFD REIMBURSEMENTS	-	-	-	10,000	10,000	-	20,000	(10,000)
INSPECTION CHARGES	3,982	3,400	582	25,649	23,600	2,049	40,400	(14,751)
TOTAL WATER REVENUE	403,264	495,800	(92,536)	3,910,832	3,880,500	30,332	6,462,900	(2,552,068)
<b>OPERATING EXPENSES:</b>								
WAGES EXPENSE	7,906	8,300	(394)	58,365	58,300	65	120,000	(61,635)
INSPECTION WAGES EXPENSE	2,170	2,150	20	15,190	15,900	(710)	27,500	(12,310)
PAYROLL TAXES EXP	440	170	270	1,724	1,270	454	2,200	(476)
EMPLOYEE BENEFITS-INS	1,355	1,333	22	6,273	9,345	(3,072)	16,000	(9,727)
EMPLOYEE BENEFITS-RETIREMENT	1,115	1,335	(220)	7,805	9,345	(1,540)	16,000	(8,195)
OPERATION-MILEAGE EXP	75	40	35	1,217	290	927	500	717
OVERTIME EXPENSE/ ON CALL	249	500	(251)	444	3,500	(3,056)	6,000	(5,556)
VACATION EXP	780	670	110	5,461	4,690	771	8,000	(2,539)
CONTRACT STAFFING-METER READS	5,221	5,420	(199)	36,097	37,940	(1,843)	65,000	(28,903)
SCADA SYSTEM ADMIN/MAINT	-	830	(830)	9,878	5,830	4,048	10,000	(122)
LABORATORY TESTING COSTS	2,814	1,000	1,814	10,055	7,000	3,055	12,000	(1,945)
COMPLIANCE TESTING (ISDE/CROSS)	-	250	(250)	-	1,750	(1,750)	3,000	(3,000)
LEAK DETECTION EXPENSE	-	670	(670)	-	4,690	(4,690)	8,000	(8,000)
EPA WATER TESTING EXP	-	500	(500)	-	3,500	(3,500)	6,000	(6,000)
EQUIPMENT RENTAL COSTS	-	-	-	-	1,000	(1,000)	2,000	(2,000)
EQUIPMENT REPAIRS & MAINT.	5,174	8,300	(3,126)	33,767	58,300	(24,533)	100,000	(66,233)
WATER LINE REPAIRS	-	3,350	(3,350)	-	23,450	(23,450)	40,000	(40,000)
ALARM MONITORING COSTS	-	-	-	-	1,400	(1,400)	2,625	(2,625)
PROPERTY MAINTENANCE	-	420	(420)	1,142	2,940	(1,798)	5,000	(3,858)
ENGINEERING/ADMIN. STUDIES	3,500	670	2,830	3,500	4,690	(1,190)	8,000	(4,500)
ENERGY COSTS	7,712	13,400	(5,688)	81,509	93,800	(12,291)	160,000	(78,491)
CONSUMABLE SUPPLIES & CLEANING	-	300	(300)	1,055	2,100	(1,045)	3,500	(2,445)
CHEMICALS, LUBRICANTS & FUELS	234	400	(166)	2,525	2,900	(375)	5,000	(2,475)
SMALL EQUIPMENT & TOOLS COST	-	170	(170)	-	1,190	(1,190)	2,000	(2,000)
PERMITS, FEES & TAXES	20,370	20,000	370	27,364	28,000	(636)	34,000	(6,636)
MAP UPDATING/GIS EXP	-	420	(420)	-	2,940	(2,940)	5,000	(5,000)
SERVICE METERS & PARTS COSTS	7,452	6,600	852	61,488	46,600	14,888	80,000	(18,512)
WHOLESALE WATER PURCHASES	110,563	255,500	(144,937)	1,864,941	2,226,500	(361,559)	3,650,000	(1,785,059)
WATER-MWD CAPACITY CHARGE	3,870	4,200	(330)	29,100	29,400	(300)	50,000	(20,900)
WATER-READINESS TO SERVE/REFUSAL CHARGE	9,190	10,000	(810)	69,563	70,000	(437)	120,000	(50,437)
WMWD-MGLMR EXP	-	-	-	116,314	116,314	-	116,314	-
BAD DEBT EXPENSES	-	-	-	27	-	27	1,500	(1,473)
CONSERVATION REBATE EXP	-	250	(250)	-	1,750	(1,750)	3,000	(3,000)
CONTINGENCIES(Cross Connection)	4,550	2,300	2,250	25,200	16,300	8,900	28,000	(2,800)
TOTAL OPERATING EXPENSES	194,740	349,448	(154,708)	2,470,004	2,892,924	(422,920)	4,716,139	(2,246,135)

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

	JAN			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2018-2019	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	5,824	6,600	(776)	47,454	49,500	(2,046)	87,500	(40,046)
GENERAL ENGINEERING EXP	140	1,700	(1,560)	14,126	11,900	2,226	20,000	(5,874)
PLAN CHECK & INSPECTION EXP	333	900	(567)	6,285	5,900	385	10,000	(3,715)
EMPLOYEE BENEFITS-INS	864	1,350	(486)	8,583	9,500	(917)	17,500	(8,917)
EMPLOYEE BENEFITS-RETIREMENT	2,020	1,580	440	13,063	12,900	163	20,500	(7,437)
ANNUAL ASSESSMENT EXP	-	-	-	5,688	4,000	1,688	4,000	1,688
WAGES EXPENSE	10,201	11,100	(899)	79,388	82,850	(3,462)	143,500	(64,112)
VACATION EXP	997	950	47	6,976	6,600	376	11,300	(4,324)
MILEAGE EXP ADMIN	-	42	(42)	-	292	(292)	500	(500)
OVERTIME EXPENSE	-	80	(80)	-	580	(580)	1,000	(1,000)
PAYROLL TAX EXPENSES	353	230	123	1,496	1,705	(209)	2,950	(1,454)
CONTRACT STAFFING OFFICE	-	-	-	-	2,000	(2,000)	2,000	(2,000)
LEGAL EXPENSES	-	420	(420)	1,409	2,920	(1,511)	5,000	(3,591)
AUDIT EXPENSES	-	-	-	4,725	5,000	(275)	5,000	(275)
BOARD COMMITTEE/ MEETING EXP.	632	875	(243)	4,219	6,125	(1,906)	10,500	(6,281)
COMPUTER SYSTEM EXP	1,166	850	316	7,476	5,950	1,526	10,000	(2,524)
BANK CHARGES EXP	1,967	1,250	717	12,324	8,750	3,574	15,000	(2,676)
MISCELLANEOUS & EDUCATION EXP	-	200	(200)	471	1,200	(729)	2,000	(1,529)
TELEPHONE EXP	616	850	(234)	5,252	5,950	(698)	10,000	(4,748)
OFFICE SUPPLIES EXP	406	850	(444)	6,206	5,950	256	10,000	(3,794)
PRINTING EXPENSES	-	-	-	2,085	2,500	(415)	5,000	(2,915)
POSTAGE & DELIVERY EXPENSE	811	920	(109)	5,763	6,440	(677)	11,000	(5,237)
PUBLICATIONS, NOTICES & DUES	-	200	(200)	-	1,200	(1,200)	2,000	(2,000)
EQUIPMENT LEASE EXPENSES	274	500	(226)	2,700	3,500	(800)	6,000	(3,300)
INSURANCE EXPENSES	1,550	2,050	(500)	11,133	14,350	(3,217)	24,500	(13,367)
INVESTMENT EXPENSE	350	350	-	2,450	2,450	-	4,200	(1,750)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	-	-
COMMUNITY OUT REACH EXP	-	-	-	3,950	4,500	(550)	7,000	(3,050)
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>28,504</b>	<b>33,847</b>	<b>(5,343)</b>	<b>253,222</b>	<b>264,512</b>	<b>(11,290)</b>	<b>447,950</b>	<b>(194,728)</b>
<b>TOTAL WATER EXPENSES</b>	<b>223,244</b>	<b>383,295</b>	<b>(160,051)</b>	<b>2,723,226</b>	<b>3,157,436</b>	<b>(434,210)</b>	<b>5,164,089</b>	<b>(2,440,863)</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>180,020</b>	<b>112,505</b>	<b>67,515</b>	<b>1,187,606</b>	<b>723,064</b>	<b>464,542</b>	<b>1,298,811</b>	<b>(111,205)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
OTHER REVENUE REIMB-MANDATE COSTS			-			-	-	-
INTEREST INCOME	11,971	1,500	10,471	56,703	10,500	46,203	18,000	38,703
PROPERTY TAX INCOME	-	-	-	4,567	20,000	(15,433)	40,000	(35,433)
<b>TOTAL NON-OP SOURCE OF FUNDS</b>	<b>11,971</b>	<b>1,500</b>	<b>10,471</b>	<b>61,270</b>	<b>30,500</b>	<b>30,770</b>	<b>58,000</b>	<b>3,270</b>
<b>TOTAL REVENUE/EXPENSE</b>	<b>191,991</b>	<b>114,005</b>	<b>77,986</b>	<b>1,248,876</b>	<b>753,564</b>	<b>495,312</b>	<b>1,356,811</b>	<b>(107,935)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				317,178				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				931,698				
CONNECTION FEES				549,931				
CAPACITY USAGE INCOME				249,815				
LONG TERM DEBT REDUCTION				249,815				
				-				

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

**WATER CAPITAL FUND:**

ENDING FUNDS AVAILABLE 2017-2018	<b>10,930,588</b>
TRANSFER FOR CAPITAL FUND REPLACEMENT	<b>317,178</b>
TRANSFER FOR CAPITAL IMPROVEMENTS	<b>1,481,629</b>
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	<b><u>(651,448)</u></b>
TOTAL FUNDS AVAILABLE	<b><u>12,077,947</u></b>

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

	JAN			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2018-2019	REMAINING
<b><u>ID#1 DEPARTMENT</u></b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	13,725	13,725	-	96,075	96,075	-	164,700	(68,625)
TOTAL ID #1 REVENUE	13,725	13,725	-	96,075	96,075	-	164,700	(68,625)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	10,766	10,766	-	75,365	75,365	-	133,078	(57,713)
TOTAL OPERATING COSTS	10,766	10,766	-	75,365	75,365	-	133,078	(57,713)
ADMINISTRATIVE EXPENSES:								
ANNUAL ASSESSMENT PROCESSING	-	-	-	-	-	-	3,000	(3,000)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	-	-	-	3,000	(3,000)
TOTAL ID#1 EXPENSES	10,766	10,766	-	75,365	75,365	-	136,078	(60,713)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>2,959</b>	<b>2,959</b>	<b>-</b>	<b>20,710</b>	<b>20,710</b>	<b>-</b>	<b>28,622</b>	<b>(7,912)</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME	249	30	219	1,181	210	971	400	781
TOTAL NON-OPER SOURCE OF FUNDS	249	30	219	1,181	210	971	400	781
<b>TOTAL REVENUE/EXPENSE</b>	<b>3,208</b>	<b>2,989</b>	<b>219</b>	<b>21,891</b>	<b>20,920</b>	<b>971</b>	<b>29,022</b>	<b>(7,131)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				12,567				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				9,324				
				-				
<b><u>ID #1 FUND BALANCE:</u></b>								
ENDING FUNDS AVAILABLE 2017-2018	488,997							
TRANSFER FOR CAPITAL FUND REPLACEMENT	12,567							
TRANSFER FOR CAPITAL IMPROVEMENTS	9,324							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	-							
TOTAL FUNDS AVAILABLE	510,888							

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

	JAN			YEAR TO DATE			BUDGET 2018-2019	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b><u>ID#2 DEPARTMENT</u></b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	15,525	15,525	-	108,675	108,675	-	191,820	(83,145)
TOTAL ID #2 REVENUE	15,525	15,525	-	108,675	108,675	-	191,820	(83,145)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	12,179	12,179	-	85,249	85,249	-	150,530	(65,281)
TOTAL OPERATING COSTS	12,179	12,179	-	85,249	85,249	-	150,530	(65,281)
ADMINISTRATIVE EXPENSES:								
GENERAL ENGINEERING EXP	-	-	-	-	-	-	2,500	(2,500)
ANNUAL ASSESSMENT PROCESSING	-	-	-	-	-	-	3,000	(3,000)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	-	-	-	5,500	(5,500)
TOTAL ID#2 EXPENSES	12,179	12,179	-	85,249	85,249	-	156,030	(70,781)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>3,346</b>	<b>3,346</b>	<b>-</b>	<b>23,426</b>	<b>23,426</b>	<b>-</b>	<b>35,790</b>	<b>(12,364)</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME	499	67	432	2,362	469	1,893	800	1,562
TOTAL NON-OPER SOURCE OF FUNDS	499	67	432	2,362	469	1,893	800	1,562
<b>TOTAL REVENUE/EXPENSE</b>	<b>3,845</b>	<b>3,413</b>	<b>432</b>	<b>25,788</b>	<b>23,895</b>	<b>1,893</b>	<b>36,590</b>	<b>(10,802)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				42,972				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				(17,184)				
				-				
<b><u>ID #2 FUND BALANCE:</u></b>								
ENDING FUNDS AVAILABLE 2017-2018	171,648							
TRANSFER FOR CAPITAL FUND REPLACEMENT	42,972							
TRANSFER FOR CAPITAL IMPROVEMENTS	(17,184)							
CAPITAL IMPROVEMENT-PLANT REMOVAL	-							
TOTAL FUNDS AVAILABLE	197,436							

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

	JAN			YEAR TO DATE			BUDGET 2018-2019	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b><u>NON-POTABLE WATER DEPARTMENT</u></b>								
OPERATING REVENUE:								
RECYCLED/NON-POTABLE WATER SALES	42,888	85,000	(42,112)	1,100,979	1,020,000	80,979	1,700,000	(599,021)
RECYCLED/ NON-POT WATER FIXED CHARGE	15,358	16,600	(1,242)	120,439	116,600	3,839	200,000	(79,561)
RECYCLED/NON-POTABLE PUMPING CHARGE	982	3,335	(2,353)	27,354	23,345	4,009	40,000	(12,646)
MISC INCOME	-	1,000	(1,000)	-	7,000	(7,000)	12,000	(12,000)
INSPECTION REVENUE	2,844	2,400	444	18,320	16,900	1,420	29,000	(10,680)
TOTAL NON-POTABLE REVENUE	62,072	108,335	(46,263)	1,267,092	1,183,845	83,247	1,981,000	(713,908)
OPERATING EXPENSES:								
RECYCLED/NON-POTABLE LABOR EXP	5,646	6,600	(954)	41,682	45,350	(3,668)	85,500	(43,818)
INSPECTION WAGES EXPENSE	1,551	1,500	51	10,857	11,300	(443)	19,600	(8,743)
PAYROLL TAXES EXP	315	140	175	1,231	1,040	191	1,800	(569)
EMPLOYEE BENEFITS-INS	968	885	83	4,480	5,500	(1,020)	11,500	(7,020)
EMPLOYEE BENEFITS-RETIREMENT	793	885	(92)	5,551	5,500	51	11,500	(5,949)
MILEAGE EXP	54	20	34	869	120	749	200	669
OVERTIME EXP	-	330	(330)	-	2,330	(2,330)	4,000	(4,000)
VACATION EXP	156	460	(304)	1,094	3,220	(2,126)	5,500	(4,406)
SCADA SYS EXP	-	420	(420)	9,700	2,920	6,780	5,000	4,700
LABORATORY TESTING COSTS	-	300	(300)	-	1,800	(1,800)	3,000	(3,000)
EQUIPMENT REPAIRS & MAINT.	9,454	8,300	1,154	19,741	58,300	(38,559)	100,000	(80,259)
NONPOTABLE WATER LINE REPAIR	-	8,300	(8,300)	-	58,300	(58,300)	100,000	(100,000)
SECURITY AND ALARM EXP	-	-	-	-	940	(940)	1,875	(1,875)
PROPERTY MAINTENANCE	-	420	(420)	283	2,920	(2,637)	5,000	(4,717)
ENERGY COSTS	11,054	13,750	(2,696)	149,396	165,000	(15,604)	275,000	(125,604)
CONSUMABLE SUPPLIES EXP	-	125	(125)	517	875	(358)	1,500	(983)
CHEMICALS, LUBRICANTS & FUELS	167	250	(83)	1,803	1,750	53	3,000	(1,197)
PERMITS AND FEES EXP	-	500	(500)	3,739	3,500	239	6,000	(2,261)
SERVICE METERS AND PARTS COSTS	-	600	(600)	-	4,100	(4,100)	7,000	(7,000)
RECYCLED SIGN/TOOLS EXP	-	400	(400)	-	2,400	(2,400)	4,000	(4,000)
MISC OPERATING EXP	-	-	-	-	250	(250)	500	(500)
POTABLE WATER EXP	-	11,000	(11,000)	-	76,000	(76,000)	130,000	(130,000)
BAD DEBT	-	-	-	-	-	-	1,600	(1,600)
CONTINGENCIES(Cross Connection)	3,250	2,000	1,250	18,000	15,000	3,000	26,000	(8,000)
TOTAL OPERATING EXPENSES	33,408	57,185	(23,777)	268,943	468,415	(199,472)	809,075	(540,132)



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

	JAN			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2018-2019	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	4,160	5,450	(1,290)	33,895	35,250	(1,355)	62,500	(28,605)
GENERAL ENGINEERING/ PLAN CHECK EXP	766	1,670	(904)	10,724	11,670	(946)	15,000	(4,276)
INSPECTION EXP	-	416	(416)	-	2,912	(2,912)	5,000	(5,000)
EMPLOYEE BENEFITS-INS	617	600	17	6,131	6,250	(119)	12,500	(6,369)
EMPLOYEE BENEFITS-RETIREMENT	1,442	1,550	(108)	9,324	9,650	(326)	15,000	(5,676)
WAGES EXPENSE	7,287	7,900	(613)	56,706	59,150	(2,444)	102,500	(45,794)
VACATION EXP	199	600	(401)	1,398	4,150	(2,752)	7,100	(5,702)
MILEAGE EXP	-	20	(20)	-	120	(120)	200	(200)
OVERTIME EXP	-	50	(50)	-	300	(300)	500	(500)
PAYROLL TAX EXPENSE	252	145	107	1,068	1,070	(2)	1,850	(782)
CONTRACT STAFFING EXP	-	-	-	-	2,000	(2,000)	2,000	(2,000)
LEGAL EXPENSE	-	425	(425)	1,006	2,925	(1,919)	5,000	(3,994)
AUDIT EXP	-	-	-	3,375	4,000	(625)	4,000	(625)
BOARD FEES EXP	451	625	(174)	3,014	4,375	(1,361)	7,500	(4,486)
ELECTION EXP	-	-	-	-	-	-	-	-
COMPUTER SYSTEMS EXP	833	800	33	5,341	5,800	(459)	10,000	(4,659)
BANK CHARGES	1,405	800	605	8,803	5,800	3,003	10,000	(1,197)
MISC & EDUCATION EXP	-	80	(80)	366	580	(214)	1,000	(634)
TELEPHONE EXP	440	500	(60)	3,753	3,500	253	6,000	(2,247)
OFFICE SUPPLIES	290	425	(135)	3,711	2,925	786	5,000	(1,289)
PRINTING EXP	-	250	(250)	88	1,750	(1,662)	3,000	(2,912)
POSTAGE EXP	579	710	(131)	5,821	4,960	861	8,500	(2,679)
PUBLICATION EXP	-	170	(170)	-	1,170	(1,170)	2,000	(2,000)
EQUIPMENT LEASE EXP	196	300	(104)	1,929	2,100	(171)	3,500	(1,571)
INSURANCE EXPENSE	1,107	1,460	(353)	7,952	10,220	(2,268)	17,500	(9,548)
ANNUAL ASSESSMENT EXP	-	-	-	-	3,000	(3,000)	3,000	(3,000)
INVESTMENT EXPENSE	250	250	-	1,750	1,750	-	3,000	(1,250)
COMMUNITY OUTREACH EXP	-	-	-	-	2,300	(2,300)	4,800	(4,800)
TOTAL ADMINISTRATIVE EXPENSES	20,274	25,196	(4,922)	166,155	189,677	(23,522)	317,950	(151,795)
TOTAL NON-POTABLE OPERATING EXPENSES	53,682	82,381	(28,699)	435,098	658,092	(222,994)	1,127,025	(691,927)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>8,390</b>	<b>25,954</b>	<b>(17,564)</b>	<b>831,994</b>	<b>525,753</b>	<b>306,241</b>	<b>853,975</b>	<b>(21,981)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	2,743	300	2,443	12,995	2,100	10,895	3,500	9,495
TOTAL NON-OP SOURCE OF FUNDS	2,743	300	2,443	12,995	2,100	10,895	3,500	9,495
<b>TOTAL REVENUE/EXPENSE</b>	<b>11,133</b>	<b>26,254</b>	<b>(15,121)</b>	<b>844,989</b>	<b>527,853</b>	<b>317,136</b>	<b>857,475</b>	<b>(12,486)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				203,455				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				641,534				
CONNECTION FEES				-				
				-				
<b>NON-POTABLE FUND BALANCE:</b>								
ENDING FUNDS AVAILABLE 2017-2018	2,668,491							
TRANSFER FOR CAPITAL FUND REPLACEMENT	203,455							
TRANSFER FOR CAPITAL IMPROVEMENTS	641,534							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	(346,593)							
TOTAL FUNDS AVAILABLE	3,166,887							

**TEMESCAL VALLEY WATER DISTRICT**  
**General Ledger**  
**For the Period From Jul 1, 2018 to Jan 31, 2019**

Filter Criteria includes: 1) IDs from 567500. to 567500.5. Report order is by ID. Report is printed with Hide Period Subtotals on Multi-Period Report and in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
567500.3	7/1/18			Beginning Balance			
EQUIPMENT REPAIRS & MAIN	7/1/18	21384	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	7/1/18	2978	PJ	ENGINEERED AIR SERVICES, INC. - COMPRESSOR NOT WORKING PROPERLY	1,476.54		
	7/5/18	21278	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	7/5/18	15045	PJ	DOUGLAS ENVIRONMENTAL GROUP - QUOTE FOR A NEW UPDATE REPLACEMENT OF THE CCC C12 ANALYZER REF # 7669	9,512.24		
	7/13/18	166494	PJ	THOMPSON INDUSTRIAL SUPPLY - BRAKE MOTOR BAR SCREEN	1,024.37		
	7/18/18	21360	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	30.00		
	7/23/18	7/23/2018	PJ	US BANK GOVERNMENT SERVICES	587.37		
	7/25/18	15095	PJ	DOUGLAS ENVIRONMENTAL GROUP - TAX	43.94		
	7/25/18	15095	PJ	DOUGLAS ENVIRONMENTAL GROUP - CHLORINE ANALYZER FIBERGLASS ENCLOSURE	475.00		
	7/25/18	15095	PJ	DOUGLAS ENVIRONMENTAL GROUP - SPECIAL SERVICE CHECK, TROUBLESHOOT INF PH + EC	280.00		
	7/25/18	110141	PJ	BARRETT ENGINEERED PUMPS - MOTOR	3,385.07		
	7/25/18	185225	PJ	THOMPSON INDUSTRIAL SUPPLY - REBUILD GEAR BOX	1,885.63		
	7/31/18	SI08170	PJ	BRITHINEE ELECTRIC - CONTROL FIELD SERVICE	252.00		
	7/31/18	51592	PJ	RICHARDSON TECHNOLOGIES INC. - SYCAMORE BOOSTER PUMP STATION AIR WAS OUT OF 90+	446.00		
	7/31/18	10371	PJ	TRAN CONTROLS SCADA SOLUTIONS, - TROUBLE SHOOT REMOTE EQUIPMENT	4,750.00		
	7/31/18	10370	PJ	TRAN CONTROLS SCADA SOLUTIONS, - SPARE PARTS AND REPLACEMENT	8,583.83		
	7/31/18	1852	PJ	MORAN MANHOLE BUILDERS - REMOVAL OF EXISTING 48	2,150.00		
	7/31/18	6096	PJ	VOGEL'S PLUMBING & BACKFLOW - INSTALL BACKFLOW AT WEIRICK LIFT STATION	1,197.00		
	7/31/18	7/31/2018	PJ	ENGINEERED AIR SERVICES, INC. - WORKED ON 3 COMPRESSORS & REBUILT VALVES, REPLACED GASKETS	1,721.17		
	8/15/18	21441	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	8/16/18	24063	PJ	MASTER TECH MRCHANICAL - UNIT 1 FOUND DUAL STAGE CAPACITOR BAD CONDENSER	328.00		
	8/21/18	24031-1	PJ	MASTER TECH MRCHANICAL - REPLACED COMPRESSOR CONTROL MODULE	436.00		
	8/24/18	24070	PJ	MASTER TECH MRCHANICAL - REPLACED A/C UNIT COMPRESSOR MODULE FOR RECLAIMED PUMP BLD	346.00		
	8/29/18	21508	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	8/31/18	10374	PJ	TRAN CONTROLS SCADA SOLUTIONS, - REPLACED SOLAR PANEL/ CHARGER CONTROLLER @ DIVERSION	940.63		
	9/11/18	21530	CD	BOGART PLUMBING - EQUIPMENT REPAIRS & MAINT.	310.00		
	9/12/18	21531	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	40.00		

**TEMESCAL VALLEY WATER DISTRICT**  
**General Ledger**  
**For the Period From Jul 1, 2018 to Jan 31, 2019**

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Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
				& MAINT.			
	9/17/18	52073	PJ	RICHARDSON TECHNOLOGIES INC. -	289.00		
				OPERATIONS A/C NOT COOLING			
	9/26/18	21603	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	40.00		
				& MAINT.			
	9/29/18	10379	PJ	TRAN CONTROLS SCADA SOLUTIONS. -	984.14		
				CL2 PIP CONTROL FOR PLANT			
	10/1/18	21741	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	40.00		
				& MAINT.			
	10/9/18	4691	PJ	UNITED POWER GENERATION - LEVEL 1	3,755.05		
				GENERATOR INSPECTION FOR ALL LIFT			
				STATIONS, BOOSTER PUMP + WAST			
				WATER QUARTERLY			
	10/10/1	21642	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	40.00		
				& MAINT.			
	10/12/1	52069	PJ	RICHARDSON TECHNOLOGIES INC.	396.00		
	10/12/1	52153	PJ	RICHARDSON TECHNOLOGIES INC.	399.00		
	10/12/1	52201	PJ	RICHARDSON TECHNOLOGIES INC. -	865.00		
				NEW FAN MOTOR FOR RECLAIMED PUMP			
				ROOM AIR COND #2			
	10/16/1	1810610	PJ	ONESTOP PLUMBERS	95.00		
	10/16/1	S2760666-0	PJ	PIRTEK FLUID TRANSFER SOLUTION	378.17		
	10/24/1	21702	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	40.00		
				& MAINT.			
	10/30/1	11174986	PJ	HACH COMPANY - COLORIMETER MULTI	1,436.00		
				USE			
	10/30/1	11174986	PJ	HACH COMPANY - NITRAVER X 50 TEST	89.25		
				SET- NITRATE			
	10/30/1	11174986	PJ	HACH COMPANY - AMVER HR 50 TEST	109.00		
				SET AMMONIA			
	10/30/1	11174986	PJ	HACH COMPANY - TAX & FEE	203.28		
	11/13/1	102218	PJ	US BANK GOVERNMENT SERVICES	37.46		
	11/21/1	S2827508-0	PJ	PIRTEK FLUID TRANSFER SOLUTION -	231.11		
				CALL OUT FOR TRACTOR MAINTENCE			
	11/23/1	11232018	PJ	US BANK GOVERNMENT SERVICES	66.77		
	11/23/1	11232018	PJ	US BANK GOVERNMENT SERVICES	771.60		
	11/28/1	21886	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	40.00		
				& MAINT.			
	11/29/1	11/29/2018	PJ	PETE'S ROAD SERVICE INC. - REPLACED	1,901.05		
				ALL 4 TIRES ON TRACTOR			
	11/30/1	2935	PJ	BT PIPELINE INC. - FINISH WORK INSTALL	1,729.50		
				THRUST BLOCK INSTALL VALVE 12" GATE			
	11/30/1	170716	PJ	INNERLINE ENGINEERING INC - VACTOR	2,449.50		
				SERVICE FOR THE TREATMENT PLANT ,			
				BUTTERFIELD LIFT STATION + MAN HOLE			
				ON KNABE			
	12/7/18	21900	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	50.00		
				& MAINT.			
	12/7/18	52570	PJ	RICHARDSON TECHNOLOGIES INC. -	399.00		
				MAINTENANCE			
	12/10/1	3270	PJ	ENGINEERED AIR SERVICES, INC. - AIR	309.18		
				COMPRESSOR SERVICE CHANGE BELTS			
	12/19/1	21979	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS	52.00		
				& MAINT.			
	12/20/1	1852-2	PJ	MORAN MANHOLE BUILDERS - ADD AND	610.00		
				CHANGE OUT A MANHOLE SHAFT FOR			
				THE BACK PERK POND			
	12/21/1	331-1	PJ	GJR ELECTRIC - CALLED OUT TO	440.00		
				TROUBLE SHOOT HEADWORKS JWC			
				PANEL ALARM			
	12/28/1	11/10/2018	PJ	RDO EQUIPMENT	493.09		
	12/28/1	10386	PJ	TRAN CONTROLS SCADA SOLUTIONS. -	2,905.11		
				PLC PROGRAM HMI DEVELOPMENT FOR			
				WILDROSE TANK HIGH ALARM TO SEND			

**TEMESCAL VALLEY WATER DISTRICT**  
**General Ledger**  
**For the Period From Jul 1, 2018 to Jan 31, 2019**

Filter Criteria includes: 1) IDs from 567500. to 567500.5. Report order is by ID. Report is printed with Hide Period Subtotals on Multi-Period Report and in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
				TO WESTERN MUNICIPAL DISTRICT			
	12/31/1	290742-00	PJ	PETE'S ROAD SERVICE INC. - BATTERY	89.18		
	1/3/19	22009	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	1/14/19	2964	PJ	BT PIPELINE INC. - LOCATE + REPAIR LEAKING HYDRANT ON KNABE AND WHITE SAGE	2,396.00		
	1/22/19	10385	PJ	TRAN CONTROLS SCADA SOLUTIONS, - BAR SCREEN TROUBLE SHOOT AND REPLACE LIT	7,874.71		
	1/22/19	2019-002	PJ	DON PETERSON CONTRACTING, INC. - SERVICE CALL ON BAR SCREEN FAILURE	8,599.00		
	1/22/19	4779	PJ	UNITED POWER GENERATION - QUARTERLY GENERATOR TESTING ALL SITES	5,515.12		
	1/25/19	22117	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	1/30/19	22122	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
				Change	86,619.06		86,619.06
	1/31/19			<b>Ending Balance</b>			<b>86,619.06</b>
567500.4 EQUIPMENT REPAIRS & MAIN	7/1/18			Beginning Balance			
	7/1/18	21384	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	7/5/18	21278	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	7/13/18	8500	PJ	THE PLUMBING SOURCE - 8795 CUYAMACA REPAIR	738.84		
	7/18/18	21360	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	30.00		
	7/23/18	7/23/2018	PJ	US BANK GOVERNMENT SERVICES	587.38		
	7/26/18	21383	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	8/15/18	21441	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	8/29/18	21508	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	9/5/18	J101005	PJ	CORE & MAIN - 2" VAL-MATIC AIR VACS FOR SBR'S	1,691.16		
	9/11/18	1064501	PJ	DICKSON - CHART RECORDERS FOR TVWD CROSS-CONNECTION	2,100.72		
	9/12/18	21531	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	9/13/18	14889	PJ	ASJ INDUSTRIAL HOSE & FITTING	17.65		
	9/17/18	6154012	PJ	EWING IRRIGATION PRODUCTS - CROSS CONNECTION SUPPLIES	241.35		
	9/19/18	426461/1	PJ	MCFADDEN-DALE HARDWARE CO.	481.64		
	9/26/18	21603	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	10/1/18	21741	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	10/3/18	315-1	PJ	GJR ELECTRIC - TRILOGY PUMP STATION AIR CONDITIONER PROJECT	986.37		
	10/10/1	21642	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	10/12/1	24152	PJ	MASTER TECH MECHANICAL	9,522.00		
	10/24/1	21702	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	10/31/1	2765-E	PJ	GMC ELECTRICAL INC - 2 YEAR AGREEMENT FOR CATHODIC PROTECTION FOR SYSTEM RESERVOIRS	1,625.00		

**TEMESCAL VALLEY WATER DISTRICT**  
**General Ledger**  
**For the Period From Jul 1, 2018 to Jan 31, 2019**

Filter Criteria includes: 1) IDs from 567500. to 567500.5. Report order is by ID. Report is printed with Hide Period Subtotals on Multi-Period Report and in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
	11/28/1	21886	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	11/30/1	2935	PJ	BT PIPELINE INC. - EXPOSE EXISTING TEE + CHIP OUT CONCRETE FOR WELL FIELD ISOLATION VALVE	7,351.00		
	11/30/1	18113	PJ	DIVE / CORR, INC. - DAWNSON RESERVOIR INSPECTION 11/18/2018	2,675.00		
	12/7/18	21900	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	12/19/1	21979	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	45.00		
	1/3/19	22009	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	1/14/19	2965	PJ	BT PIPELINE INC. - LOCATE + REPAIR LEAK ON SQUAW MOUNTAIN AND TEMESCAL CANYON RD	4,079.00		
	1/22/19	8103	PJ	VALLEY CITIES/GONZALES FENCE - REPAIR FENCE ON TEMESCAL CANYON RD	965.00		
	1/25/19	22117	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	1/30/19	22122	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	1/31/19			Change	33,767.11		33,767.11
	1/31/19			<b>Ending Balance</b>			<b>33,767.11</b>
567500.5	7/1/18			Beginning Balance			
EQUIPMENT REPAIRS & MAIN	7/27/18	15180	PJ	FAIN DRILLING & PUMPING CO. IN	2,308.29		
	9/28/18	9/24/2018	PJ	US BANK GOVERNMENT SERVICES	55.50		
	9/29/18	10378	PJ	TRAN CONTROLS SCADA SOLUTIONS, - TRILOGY POND LEVEL INSTALLATION	7,891.04		
	12/19/1	21979	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	33.00		
	1/14/19	2962	PJ	BT PIPELINE INC. - LOCATE + REPAIR LEAK ON AG-LINE TEMESCAL CANYON RD	9,454.00		
	1/31/19			Change	19,741.83		19,741.83
	1/31/19			<b>Ending Balance</b>			<b>19,741.83</b>

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

Capital Projects FY 2018/2019 Maintenance/ General Projects	Total Cost	Source of Funding			AS OF JANUARY 31, 2019 EXPENDITURES				Total YTD	Variance
		Sewer Fund	Water Fund	Recycled Fund	Previous YR	Current				
						Sewer Fund	Water Fund	Recycled Fund		
Computer and Software Upgrades	\$ 25,000	\$ 10,000	\$ 8,750	\$ 6,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
General Building Improvements	\$ 40,000	\$ 16,000	\$ 14,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Convert to Recycled	\$ 135,000	\$ -	\$ 75,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000
Replace VFD	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Sewer Management Plan Update	\$ 45,000	\$ 45,000	\$ -	\$ -	\$ 9,562	\$ 12,671	\$ -	\$ -	\$ 12,671	\$ 22,767
New Generator design	\$ 54,150	\$ 54,150	\$ -	\$ -	\$ 43,065	\$ -	\$ -	\$ -	\$ -	\$ 11,085
Park Canyon RW Design and Easements	\$ 90,000	\$ -	\$ -	\$ 90,000	\$ 17,074	\$ -	\$ -	\$ -	\$ -	\$ 72,926
Water System Master Plan Update	\$ 20,000	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ 19,110	\$ -	\$ 19,110	\$ 890
Sewer System Master Plan	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 1,280	\$ -	\$ -	\$ 1,280	\$ 98,720
Non-Potable Recycled Water Plan Update	\$ 30,000	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
WRF Compliance Instrumentation Replacement	\$ 40,000	\$ 25,000	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Well Cleaning and Rehab	\$ 125,000	\$ -	\$ 50,000	\$ 75,000	\$ 61,723	\$ -	\$ -	\$ -	\$ -	\$ 63,277
Operation Building Office Rehab and Improvements	\$ 85,000	\$ 34,000	\$ 30,000	\$ 21,000	\$ -	\$ 19,098	\$ 16,711	\$ 11,938	\$ 47,747	\$ 37,253
Painting Syc Crk Potable Water Tank	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 16,685	\$ -	\$ 16,685	\$ 483,315
Forklift	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 17,936	\$ -	\$ -	\$ 17,936	\$ 7,064
Cap Rock Potable pipeline	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -
New Energy Saving Plant Lighting	\$ 52,000	\$ 52,000	\$ -	\$ -	\$ -	\$ 42,185	\$ -	\$ -	\$ 42,185	\$ 9,815
Air Actuator valves	\$ 42,000	\$ 42,000	\$ -	\$ -	\$ 21,984	\$ -	\$ -	\$ -	\$ -	\$ 20,016
Subtotal Maintenance and General	\$ 1,648,150	\$ 443,150	\$ 897,750	\$ 307,250	\$ 153,408	\$ 93,170	\$ 252,506	\$ 11,938	\$ 357,614	\$ 1,137,128
<b>Multiple Fiscal Year Projects</b>										
Knabe Non-Potable Line	\$ 722,000	\$ -	\$ -	\$ 722,000	\$ 411,823	\$ -	\$ -	\$ 294,118	\$ 294,118	\$ 16,059
Recycled and Non-potable Pipeline extentions	\$ 775,000	\$ -	\$ -	\$ 775,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 775,000
Upgrade STP PLCs	\$ 250,000	\$ 100,000	\$ 87,500	\$ 62,500	\$ 229,114	\$ -	\$ -	\$ -	\$ -	\$ 20,886
WRF 225,000 GPD Upgrade (SBR Controls)	\$ 1,230,000	\$ 1,230,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,230,000
WRF 225,000 GPD Upgrade (Generator )	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ 29,024	\$ 180,880	\$ -	\$ -	\$ 180,880	\$ 290,096
WRF 225,000 GPD Expansion (District Share)	\$ 3,520,000	\$ 3,520,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,520,000
GIS Mapping - Water Sewer RW pipelines and facilities	\$ 171,700	\$ 66,000	\$ 66,000	\$ 39,700	\$ 62,466	\$ 4,000	\$ 4,000	\$ 1,998	\$ 9,998	\$ 99,236
Well Replacement	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
SCADA Tower	\$ 60,000	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ 6,371	\$ 6,371	\$ -	\$ 12,742	\$ 47,258
Groundwater Study and Development (inc GSA)	\$ 428,000	\$ -	\$ 60,000	\$ 368,000	\$ 131,140	\$ -	\$ -	\$ -	\$ -	\$ 296,860
Alternate Tertiary Percolation Area	\$ 320,000	\$ 300,000	\$ -	\$ 20,000	\$ 152,143	\$ -	\$ -	\$ 38,539	\$ 38,539	\$ 129,318
Dawson Canyon Potable Reservoir Design	\$ 160,000	\$ -	\$ 160,000	\$ -	\$ 61,257	\$ -	\$ -	\$ -	\$ -	\$ 98,743
Corona Customer Conversion-Temescal Cyn Rd.	\$ 225,000	\$ -	\$ 225,000	\$ -	\$ -	\$ -	\$ 3,960	\$ -	\$ 3,960	\$ 221,040
COR Temescal Cyn Rd widening - pipeline relocation.	\$ 500,000	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ 384,611	\$ -	\$ 384,611	\$ 115,389
Subtotal Multiple Year	\$ 9,161,700	\$ 5,746,000	\$ 878,500	\$ 2,537,200	\$ 1,076,967	\$ 191,251	\$ 398,942	\$ 334,655	\$ 924,848	\$ 7,159,885
<b>TOTAL</b>	<b>\$ 10,809,850</b>	<b>\$ 6,189,150</b>	<b>\$ 1,776,250</b>	<b>\$ 2,844,450</b>	<b>\$ 1,230,375</b>	<b>\$ 284,421</b>	<b>\$ 651,448</b>	<b>\$ 346,593</b>	<b>\$ 1,282,462</b>	<b>\$ 8,297,013</b>

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

<u>Special Tax Fund (Acct #105636-009)</u> Account Balance at Wilmington Trust	\$ 0.56
<hr/>	
<u>BONDS PR ACCT (Acct # 105636-010)</u> Account Balance at Wilmington Trust	298,646.68
<hr/>	
<u>Administrative Expense Fund(Acct #105636-011)</u> Account Balance at Wilmington Trust	1.42
<hr/>	
<u>Surplus Fund (Acct #105636-012)</u> Account Balance at Wilmington Trust	45,098.94
<hr/>	
<u>Re-call Fund (Acct #105636-025)</u> Account Balance at Wilmington Trust	1,400,071.56
<hr/>	
<b>TOTAL</b>	<b>\$ 1,743,819.16</b>

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 2**  
**Financing Authority**  
**(Montecito Ranch)**  
**1/31/2019**

Special Tax Fund (Acct #105636-014)  
Account Balance at Wilmington Trust \$ 0.08

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BONDS PR ACCT (Acct # 105636-015)  
Account Balance at Wilmington Trust 298,646.68

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Administrative Expense Fund(Acct #105636-016)  
Account Balance at Wilmington Trust 1.33

---

Surplus Fund (Acct #105636-017)  
Account Balance at Wilmington Trust 45,098.94

---

TOTAL \$ 1,400,071.56



**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 3**  
**Financing Authority**  
**(The Retreat)**  
**1/31/2019**

Special Tax Fund (Acct #105636-019)  
Account Balance at Wilmington Trust \$ 0.40

---

BONDS PR ACCT (Acct # 105636-020)  
Account Balance at Wilmington Trust 298,646.68

---

Administrative Expense Fund(Acct #105636-021)  
Account Balance at Wilmington Trust 1.42

---

Surplus Fund (Acct #105636-022)  
Account Balance at Wilmington Trust 45,098.94

---

**TOTAL** **\$ 1,400,071.56**

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 4**  
**Financing Authority**  
**(Terramor)**  
**1/31/2019**

<u>Special Tax Fund (Acct #133306-001)</u> Account Balance at Wilmington Trust	\$ -
<hr/>	
<u>Interest Acct (Acct #133306-002)</u> Account Balance at Wilmington Trust	298,646.68
<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	45,098.94
<hr/>	
<u>Reserve fund Fund (Acct #133306-005)</u> Account Balance at Wilmington Trust	1,400,071.56
<hr/>	
<u>Surplus Fund (Acct #133306-006)</u> Account Balance at Wilmington Trust	-
<hr/>	
<u>Redemption fund (Acct #133306-007)</u> Account Balance at Wilmington Trust	-
<hr/>	
<u>Construction fund (Acct #133306-008)</u> Account Balance at Wilmington Trust	20,617,461.73
<hr/>	
<u>Cost of Issuance (Acct #133306-009)</u> Account Balance at Wilmington Trust	13,947.13
<hr/>	
<b>TOTAL</b>	<b>\$ 22,375,226.04</b>

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

**1/31/2019**

Senior Lien Bonds - Revenue Fund (Acct #105636-000)	\$	-
- Lien Interest A/C ( Acct #105636-001)		31,304.75
- Lien Principal A/C (Acct #105636-002)		-
- Financing Authority Surplus A/C (Acct #105636-003)		-
- Reserve Fund CFD #1 (Acct #105636-004)		2,268,524.73
- Reserve Fund CFD #2 (Acct #105636-005)		298,646.68
- Reserve Fund CFD #3 (Acct #105636-006)		1,497,502.47
Junior Lien Bonds - Revenue Fund (Acct #105639-000)	\$	0.01
- Lien Interest A/C ( Acct #105639-001)		26,813.37
- Lien Principal A/C (Acct #105639-002)		-
- Financing Authority Surplus A/C (Acct #105639-003)		-
- Reserve Fund CFD #1 (Acct #105639-004)		45,098.94
- Reserve Fund CFD #2 (Acct #105639-005)		100,306.69
- Reserve Fund CFD #3 (Acct #105639-006)		541,574.94
<b>TOTAL</b>	<b>\$</b>	<b>1,400,071.56</b>



# CALIFORNIA STATE TREASURER FIONA MA, CPA



## PMIA Performance Report

Date	Daily Yield*	Quarter to Date Yield	Average Maturity (in days)
01/07/19	2.34	2.33	192
01/08/19	2.34	2.33	190
01/09/19	2.34	2.33	191
01/10/19	2.34	2.34	189
01/11/19	2.34	2.34	188
01/12/19	2.34	2.34	188
01/13/19	2.34	2.34	188
01/14/19	2.35	2.34	185
01/15/19	2.36	2.34	187
01/16/19	2.36	2.34	188
01/17/19	2.36	2.34	189
01/18/19	2.37	2.34	190
01/19/19	2.37	2.35	190
01/20/19	2.37	2.35	190
01/21/19	2.37	2.35	190
01/22/19	2.37	2.35	188
01/23/19	2.37	2.35	187
01/24/19	2.37	2.35	188
01/25/19	2.38	2.35	188
01/26/19	2.38	2.35	188
01/27/19	2.38	2.35	188
01/28/19	2.38	2.35	185
01/29/19	2.38	2.35	187
01/30/19	2.38	2.35	186
01/31/19	2.39	2.36	188
02/01/19	2.39	2.36	191
02/02/19	2.39	2.36	191
02/03/19	2.39	2.36	191
02/04/19	2.39	2.36	189
02/05/19	2.39	2.36	187
02/06/19	2.39	2.36	187

\*Daily yield does not reflect capital gains or losses

[View Prior Month Daily Rates](#)

## LAIF Performance Report

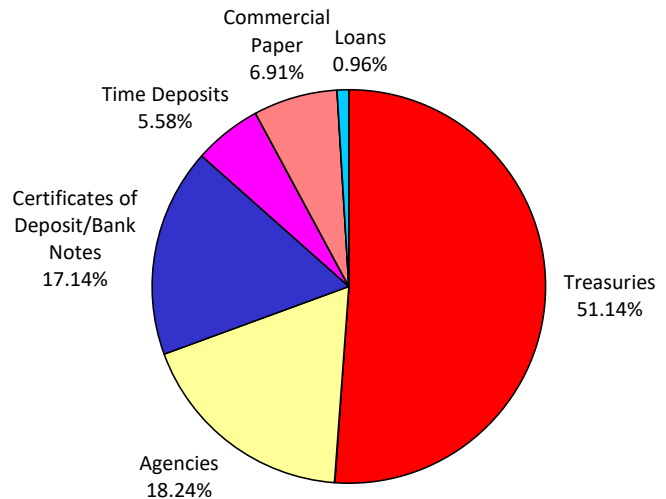
### Quarter Ending 12/31/18

Apportionment Rate: 2.40  
 Earnings Ratio: 0.00006573663340150  
 Fair Value Factor: 0.999051127  
     Daily: 2.32%  
 Quarter to Date: 2.21%  
 Average Life: 192

### PMIA Average Monthly Effective Yields

**Jan 2019 2.355**  
 Dec 2018 2.291  
 Nov 2018 2.208

## Pooled Money Investment Account Portfolio Composition 12/31/18 \$83.3 billion



Percentages may not total 100%, due to rounding.

Based on data available as of 2/6/2019



# Active Lien Board Update

**Balance as of 1/22/19:** \$12,330.21

**Payments received:** \$0.00

**New liens recorded:** \$577.67

## **ACTIVE**

Active liens value \$2,199.27

Number of active liens 13

## **WRITTEN OFF**

Written off liens value \$10,708.61

Number of written off liens 52

**Released liens 6/13/07 - 2/26/19:** \$174,494.05



Temescal Valley Water District  
Community Facilities District No. 4  
(Terramor)

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## Formation of Improvement Area No. 2

**CSG** | advisors

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Tuesday, February 26, 2019

# 2016 Terramor Project Phasing Map









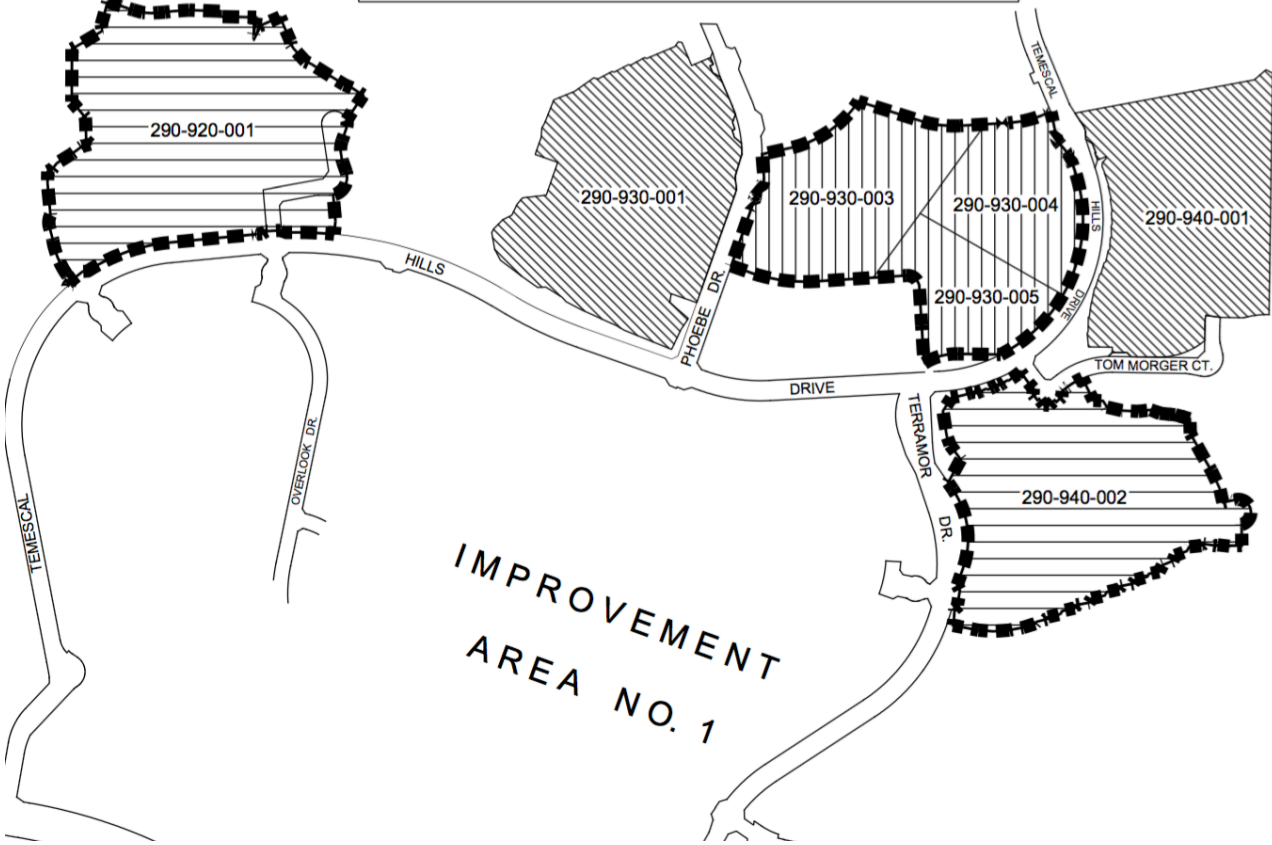
# Aerial Photograph of IA No. 1 – July 29, 2018



# Improvement Area No. 2 Boundaries

## LEGEND

	Boundaries of Improvement Area No. 2 of Community Facilities District No. 4
	Zone 1 of Improvement Area No. 2
	Zone 2 of Improvement Area No. 2
	Future Annexation Area of I. A. No. 2
290-9n0-00n	Assessor Parcel Number





## Future Annexation Areas

- IA No. 2 consists initially of 343 planned units (180 MR units and 163 AQ units) from PA's 6, 8 & 9
- PA's 7 & 10 (planned for approx. 150 units) are designated future annexation areas as Forestar continues to market for future sale to builders with option to develop as either MR or AQ
- Documents provide for expedited process for property owner to annex PA's 7 and/or 10 into IA No. 2 upon designation of a Tax Rate Zone & unanimous consent

## Establishing the Special Tax Rates

- Effective Tax Rate definition
  - Sum of Projected Tax Bill divided by Home Price
  - TVWD Policy Limit = 2.00%
- Two-tiered tax structure confirmed prior to bond issuance
  - Market Rate = 2.00% Effective Tax Rate
  - Age Qualified = 1.75% Effective Tax Rate
  - Rate & Method of Apportionment requires updated Price Point Study at least 30 days prior to 1<sup>st</sup> bond issue
- TVWD engaged an independent market consultant to determine current market base home prices (the “Price Point Study”) in 2016 and confirmed in 2018
- Special tax rates are the same as IA No. 1, excepting certain added categories with 3% marginal rate change

# Tax Rates Comparison to IA No. 1

SPECIAL TAX CLASS		IMPROVEMENT AREA NO. 2*		IMPROVEMENT AREA NO. 1	
		UNITS AT BUILDOUT	SPECIAL TAX RATE	UNITS AT BUILDOUT	SPECIAL TAX RATE
ZONE	DESCRIPTION				
1	MARKET RATE (> 3,101 SF)	103	\$3,478		
1	MARKET RATE (2,901-3,101 SF)	57	\$3,377		
1	MARKET RATE (2,601-2,900 SF)	86	\$3,278		
1	MARKET RATE (2,301-2,600 SF)	55	\$3,183	114	\$3,183
1	MARKET RATE (2,151 - 2,300 SF)	29	\$3,094	56	\$3,094
1	MARKET RATE (2,001 - 2,150 SF)	0	\$2,977	0	\$2,977
1	MARKET RATE (1,851 - 2,000 SF)	0	\$2,888	0	\$2,888
1	MARKET RATE (< 1,850 SF)	0	\$2,799	0	\$2,799
<b>SUBTOTAL</b>		330		170	
2	AGE QUALIFIED (> 2,599 SF)		\$2,921	56	\$2,921
2	AGE QUALIFIED (2,300 - 2,599 SF)		\$2,703	62	\$2,703
2	AGE QUALIFIED (1,900 - 2,299 SF)		\$2,502	175	\$2,502
2	AGE QUALIFIED (1,601 - 1,899 SF)	40	\$2,115	93	\$2,115
2	AGE QUALIFIED (1,301 - 1,600 SF)	82	\$1,888	42	\$1,986
2	AGE QUALIFIED (1,101 - 1,300 SF)	41	\$1,875		
2	AGE QUALIFIED (< 1,601 SF)	0	\$1,819		
<b>SUBTOTAL</b>		163		428	
<b>TOTAL UNITS</b>		493		598	

\* ASSUMES ALL PA 7 & 10 UNITS ARE ANNEXED AS MARKET RATE UNITS (ZONE 1)

## Eligible Costs to be Reimbursed from CFD Bond Proceeds (All Three Phases)

Eligible for Reimbursement	
Temescal Valley Water District	\$49 million
County of Riverside (Road Improvements)	\$8 million
County of Riverside Flood Control	\$4 million
	<b>\$61 million</b>

- Total proceeds from IA No. 1 2018 Bonds was \$20.6 million (of which \$7.6 million was allocated for the Wastewater Treatment Plant)
- Total net project proceeds projected to be generated from IA No. 2 is between \$15-17 million

## CFD Formation Schedule & Board Actions

DATE	BOARD ACTION
February 26, 2019	<ul style="list-style-type: none"> <li>• Adopt Resolution of Intention to form IA #2                             <ul style="list-style-type: none"> <li>– Direct recordation of the CFD Boundary Map</li> <li>– Includes the Rate &amp; Method of Apportionment</li> <li>– Authorizes facilities to be financed</li> <li>– Calls public hearing &amp; landowner election</li> </ul> </li> <li>• Adopt Resolution to Incur Bonded Indebtedness                             <ul style="list-style-type: none"> <li>– Sets maximum debt that may be incurred from IA #2</li> </ul> </li> </ul>
April 23, 2019	<ul style="list-style-type: none"> <li>• Conduct public hearing</li> <li>• Adopt Resolution of Formation, Resolution to Incur Debt, Resolution Calling for Election</li> <li>• Conduct landowner election</li> <li>• Adopt Resolution declaring results and election, 1<sup>st</sup> Reading of Special Tax Ordinance</li> </ul>
May 28, 2019	<ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Reading of Special Tax Ordinance (consent calendar)</li> </ul>
[Projected 2020-21]	<ul style="list-style-type: none"> <li>• Authorize issuance of bonds and approve applicable financing documents</li> </ul>

## RESOLUTION NO. R-19-02

### RESOLUTION OF THE BOARD OF DIRECTORS OF THE TEMESCAL VALLEY WATER DISTRICT, ACTING AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 4 (TERRAMOR) OF TEMESCAL VALLEY WATER DISTRICT, DECLARING ITS INTENTION TO ANNEX CERTAIN PROPERTY AS IMPROVEMENT AREA NO. 2 TO COMMUNITY FACILITIES DISTRICT NO. 4 (TERRAMOR) OF TEMESCAL VALLEY WATER DISTRICT

**WHEREAS**, on September 27, 2016, the Board of Directors (the "Board of Directors") of the Temescal Valley Water District adopted Resolution No. R-16-11 (the "Resolution of Intention"), declaring its intention to establish Community Facilities District No. 4 (Terramor) of Temescal Valley Water District ("Community Facilities District No. 4" or the "District") pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, being Chapter 2.5 of Part 1 of Division 2 of Title 5 of the Government Code of the State of California (the "Act") and designating certain territory for future annexation to the District; and

**WHEREAS**, on November 22, 2016, after providing all notice required by the Act, the Board of Directors opened a public hearing required by the Act relative to the formation of the District and at such public hearing, all persons desiring to be heard on all matters pertaining to the formation of the District and related matters were heard and a full and fair hearing was held; and

**WHEREAS**, on November 22, 2016, following the close of the public hearing, the Board of Directors adopted Resolution No. R-16-13, establishing the District and designated Improvement Area No. 1 therein (the "Resolution of Formation") and a resolution determining the necessity to incur bonded indebtedness for Improvement Area No. 1 of the District (the "Resolution to Incur Bonded Indebtedness") each of which called a consolidated special election on November 22, 2016 within Improvement Area No. 1 of the District on three propositions relating to the levying of a special tax, the incurring of bonded indebtedness and the establishment of an appropriations limit for the District; and

**WHEREAS**, on November 22, 2016, a special election was held within Improvement Area No. 1 of the District at which the qualified electors approved by more than a two-thirds vote Propositions A, B and C authorizing the levy of a special tax within Improvement Area No. 1 of the District for the purposes described in the Resolution of Formation and the issuance of bonded indebtedness for Improvement Area No. 1 of the District as described in the Resolution to Incur Bonded Indebtedness; and

**WHEREAS**, the District has received a petition signed by Forestar Toscana Development Company, a Delaware corporation (the "Owner"), which petition meets the requirements of Section 53339.2 of the Act and requests that the Owner's property described in Attachment "A" hereto (the "Property") which consists of a portion of the territory designated for future annexation in the Resolution of Intention be annexed to the District as Improvement Area No. 2 (as defined below) of the District pursuant to Sections 53339.3 and 53350(a) of the Act; and

**WHEREAS**, the Board of Directors desires to adopt this resolution of intention as provided in Section 53339.3 of the Act to annex the Property to the District as Improvement



Area No. 2 of the District to finance the Facilities and Incidental Expenses (as such terms are defined in the Resolution of Intention); and

**WHEREAS**, the Board of Directors further intends to approve an estimate of the costs of the Facilities and the Incidental Expenses for Improvement Area No. 2; and

**WHEREAS**, it is the intention of the Board of Directors to consider financing the Facilities and the Incidental Expenses through the annexation of the Property as Improvement Area No. 2 of the District and the issuance of bonded indebtedness for Improvement Area No. 2 in an amount not to exceed \$25,000,000 with respect to the Facilities and the Incidental Expenses and the levy of a special tax to pay for the Facilities and the Incidental Expenses (the "Special Tax") and to pay debt service on the bonded indebtedness, provided that the bond sale and such Special Tax levy are approved at an election to be held within the boundaries of Improvement Area No. 2;

**NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE TEMESCAL VALLEY WATER DISTRICT, ACTING AS THE LEGISLATIVE BODY OF THE DISTRICT, DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:**

1. Each of the above recitals is true and correct.

2. The boundaries of the District are as shown on the map designated "Proposed Boundaries of Temescal Valley Water District Community Facilities District No. 4 (Terramor)", which map was recorded pursuant to Sections 3111 and 3113 of the Streets and Highways Code in the County of Riverside Book of Maps of Assessment and Community Facilities Districts in the County Recorder's Office in Book No. 80, Page Nos. 7-8 on September 28, 2016. The Property to be annexed as Improvement Area No. 2 of the District has the legal boundaries described in, and the boundaries shown on, the boundary map attached hereto as Attachment "A" hereto. The Secretary of the Board of Directors is hereby directed to sign the original map of the proposed boundaries Improvement Area No. 2 and record it with all proper endorsements thereon with the County Recorder of the County of Riverside within 15 days after the adoption of this resolution, all as required by Section 3113 of the Streets and Highways Code of the State of California. In accordance with Section 53339.3, there is further shown on Attachment "A" hereto, property proposed to be annexed to Improvement Area No. 2 in the future with the condition that the parcels within such property may be annexed only with the unanimous approval of owner or owners of such property at the time such property is annexed to Improvement Area No. 2. In connection with such unanimous approval, such property owner or owners shall designate the Zone (as defined in the rate and method of apportionment of the special tax attached hereto as Attachment "B") in which such property shall be located.

3. The name of the proposed Improvement Area No. 2 of the District shall be designated as "Improvement Area No. 2 of Community Facilities District No. 4 (Terramor) of Temescal Valley Water District" ("Improvement Area No. 2").

4. The Improvements proposed to be financed through CFD No. 4 for Improvement Area No. 2 are public facilities as defined in the Act, which the District, the Riverside County Flood Control and Water Conservation District with respect to certain flood control and storm drainage facilities, and the County of Riverside, with respect to certain drainage and street facilities, are authorized by law to construct, acquire, own and operate for the benefit of CFD No. 4, including Improvement Area No. 2. The Board of Directors hereby finds and determines that the description of the Improvements herein is sufficiently informative to allow taxpayers within Improvement Area No. 2 to understand what the funds of Improvement Area No. 2 may be used to finance, the Improvements and the Incidental Expenses expected to be incurred, including the cost of planning and designing the Improvements, the costs of annexing Improvement Area No. 2, issuing bonds, levying and collecting a special tax within Improvement Area No. 2 and the annual administration costs of CFD No. 4. The Board of Directors hereby finds that the proposed Improvements are necessary to meet increased demands placed upon the Improvements as a result of development occurring in CFD No. 4, including Improvement Area No. 2. The Improvements may be acquired from one or more of the property owners as completed public improvements or may be constructed by or on behalf of the District and paid for with bond proceeds. Any portion of the Improvements may be financed through a lease or lease-purchase arrangement if CFD No. 4 hereafter determines that such arrangement is of benefit to CFD No. 4.

5. Except where funds are otherwise available, it is the intention of the Board of Directors to levy annually in accordance with the procedures contained in the Act a special tax, secured by a continuing lien against all non-exempt real property in Improvement Area No. 2, sufficient to pay for the principal and interest and other periodic costs on bonds or other indebtedness issued to finance the Improvements and Incidental Expenses, including the establishment and replenishment of any reserve funds deemed necessary by the District, and any remarketing, credit enhancement and liquidity facility fees (including such fees for instruments which serve as the basis of a reserve fund in lieu of cash) attributable to Improvement Area No. 2. The rate and method of apportionment and manner of collection of the special tax in Improvement Area No. 2 is described in detail in Attachment "B" attached hereto (which attachment is incorporated herein by this reference). Attachment "B" allows each landowner within Improvement Area No. 2 to estimate the maximum amount that may be levied against each parcel. In the first year in which such special tax is levied, the levy shall include an amount sufficient to repay to the District all amounts, if any, transferred to CFD No. 4 pursuant to Section 53314 of the Act and interest thereon.

6. If special taxes of Improvement Area No. 2 are levied against any parcel used for private residential purposes, (i) the maximum special tax rate shall not be increased over time, (ii) such tax shall not be levied later than the 2058-59 Fiscal Year and (iii) under no circumstances shall such special tax in Improvement Area No. 2 be increased as a consequence of delinquency or default by the owner of any other parcel or parcels within Improvement Area No. 2 by more than ten percent (10%) above the amount that would have been levied in that Fiscal Year against such parcel had there never been any such delinquency or default.

7. The special tax is based on the expected demand that each parcel of real property within Improvement Area No. 2 will place on the Improvements and on the benefit that each parcel derives from the services to be provided by the Improvements. The Board of Directors hereby determines the rate and method of apportionment of the special tax set forth in Attachment "B" to be reasonable. The special tax is apportioned to each parcel on the foregoing basis pursuant to Section 53325.3 of the Act; and such special tax is not on or based upon the value or ownership of real property. In the event that a portion of the property within Improvement Area No. 2 that was intended to be taxable shall become for any reason exempt, wholly or partially, from the levy of the special tax specified in Attachment "B," the Board of Directors shall, on behalf of CFD No. 4 cause the levy on other taxable property to be increased, subject to the limitation of the maximum special tax for a parcel as set forth in Attachment "B," to the extent necessary upon the remaining property within Improvement Area No. 2 which is not exempt in order to yield the special tax revenues required for the purposes described in this Section. The obligation to pay special taxes may be prepaid as provided in the rate and method of apportionment set forth in Attachment "B," as such rate and method may be amended hereafter.

8. A combined public hearing (the "Hearing") on the annexation of the Property to the District and the designation thereof as Improvement Area No. 2, the proposed rate and method of apportionment of the special tax and the proposed issuance of bonds to finance the Improvements and the Incidental Expenses shall be held at 8:30 a.m., or as soon thereafter as practicable, on April 23, 2019, at the Board of Directors Meeting Room, 22646 Temescal Canyon Road, Temescal Valley, California. If the Board of Directors determines to annex the Property and designate the Property as Improvement Area No. 2, a special election will be held to authorize the issuance of the bonds and the levy of the special tax in accordance with the procedures contained in Government Code Section 53326. If such election is held, the proposed voting procedure at the election will be a landowner vote with each landowner who is the owner of record of land within Improvement Area No. 2 at the close of the Hearing, or the authorized representative thereof, having one vote for each acre or portion thereof owned within Improvement Area No. 2. Ballots for the special election may be distributed by mail or by personal service.

9. At the time and place set forth above for the Hearing, the Board of Directors will receive testimony as to whether the Property shall be annexed and designated as Improvement Area No. 2 and as to the method of apportionment of the special tax and shall consider:

(a) if an ad valorem property tax is currently being levied on property within Improvement Area No. 2 for the exclusive purpose of paying principal of or interest on bonds, lease payments or other indebtedness incurred to finance construction of capital facilities; and

(b) if the capital facilities to be financed and constructed by CFD No. 4 for Improvement Area No. 2 will provide the same services as were provided by the capital facilities mentioned in subsection (a); and

(c) if the Board of Directors makes the findings specified in subsections (a) and (b) above, it will consider appropriate action to determine that the total annual amount of ad valorem property tax revenue due from parcels within Improvement Area No. 2, for purposes of paying principal and interest on the debt identified in subsection (a) above, shall not be increased after the date on which Improvement Area No. 2 is designated, or after a later date determined by the Board of Directors with the concurrence of the legislative body which levied the property tax in question.

10. At the time and place set forth above for the Hearing, any interested person, including all persons owning lands or registered to vote within CFD No. 4, may appear and be heard.

11. Each District officer who is or will be responsible for providing the Improvements within Improvement Area No. 2, if it is so designated, is hereby directed to study Improvement Area No. 2 and, at or before the time of the Hearing, file a report with the Board of Directors containing a brief description of the public improvements by type which will in his or her opinion be required to meet adequately the needs of Improvement Area No. 2 and an estimate of the cost of providing those public improvements, including the cost of environmental evaluations of such improvements and an estimate of the fair and reasonable cost of any Incidental Expenses to be incurred.

12. The District may accept advances of funds or work-in-kind from any source, including, but not limited to, private persons or private entities, for any authorized purpose, including, but not limited to, paying any cost incurred by the District in designating Improvement Area No. 2. The District may enter into an agreement with the person or entity advancing the funds or work-in-kind, to repay all or a portion of the funds advanced, or to reimburse the person or entity for the value, or cost, whichever is less, of the work-in-kind, as determined by the Board of Directors, with or without interest.

13. The Secretary of the Board of Directors is hereby authorized and directed to publish a notice (the "Notice") of the Hearing pursuant to Section 6061 of the Government Code in a newspaper of general circulation published in the area of CFD No. 4. The Secretary of the Board of Directors is further authorized and directed to mail a copy of the Notice to each of the landowners within the boundaries of Improvement Area No. 2 at least 15 days prior to the Hearing. The Notice shall contain the text or a summary of this Resolution, the time and place of the Hearing, a statement that the testimony of all interested persons or taxpayers will be heard, a description of the protest rights of the registered voters and landowners in Improvement Area No. 2 and a description of the proposed voting procedure for the election required by the Act. Such publication shall be completed at least seven (7) days prior to the date of the Hearing.

14. The reasonably expected maximum principal amount of the bonds is Twenty-Five Million Dollars (\$25,000,000) for Improvement Area No. 2.

15. Except to the extent limited in any bond resolution or trust indenture related to the issuance of bonds, the Board of Directors hereby reserves to itself all rights and powers set forth in Section 53344.1 of the Act (relating to tenders in full or partial payment).

16. This Resolution shall be effective upon its adoption.

Dated: February 26, 2019.

\_\_\_\_\_  
C.W. Colladay, President

I hereby certify that the foregoing is a full, true and correct copy of the Resolution No. R-19-02 adopted by the Board of Directors of the Temescal Valley Water District at its meeting held on February 26, 2019.

ATTEST:

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

(SEAL)

**ATTACHMENT A**  
**DESCRIPTION OF PROPERTY**

SHEET 1 OF 2

**PROPOSED BOUNDARIES OF  
IMPROVEMENT AREA NO. 2 OF  
TEMESCAL VALLEY WATER DISTRICT  
COMMUNITY FACILITIES DISTRICT NO. 4  
(TERRAMOR)  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA**

Assessor Parcel Numbers  
within the Boundaries of Improvement Area  
No. 2 of Community Facilities District No. 4:

290-920-001  
290-930-003  
290-930-004  
290-930-005  
290-940-002

Assessor Parcel Numbers  
within the Future Annexation Area of  
Improvement Area No. 2 of Community  
Facilities District No. 4:

290-930-001  
290-940-001

For a description of the lines and dimensions  
of each lot and parcel, reference is hereby  
made to the Assessor maps of the County of  
Riverside, California.

(1) Filed in the District Office of the Temescal Valley  
Water District this \_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Paul Rodriguez, Secretary  
Temescal Valley Water District

(2) I hereby certify that the within map showing the  
proposed boundaries of Improvement Area No. 2  
of Temescal Valley Water District Community  
Facilities District No. 4 (Terramor), County of  
Riverside, State of California, was approved by the  
Board of Directors of the Temescal Valley Water  
District at a regular meeting thereof, held on  
this \_\_\_\_ day of \_\_\_\_\_, 2019, by its  
Resolution No. \_\_\_\_\_.

\_\_\_\_\_  
Paul Rodriguez, Secretary  
Temescal Valley Water District

(3) Filed this \_\_\_\_ day of \_\_\_\_\_, 2019, at the  
hour of \_\_\_\_ o'clock \_\_m, in Book \_\_\_\_\_ of  
Maps of Assessment and Community Facilities  
Districts at page \_\_\_\_\_ and as Instrument  
No. \_\_\_\_\_ in the office of the County  
Recorder of Riverside County, State of California.

Peter Aldana  
Assessor-County Clerk-Recorder of Riverside  
County

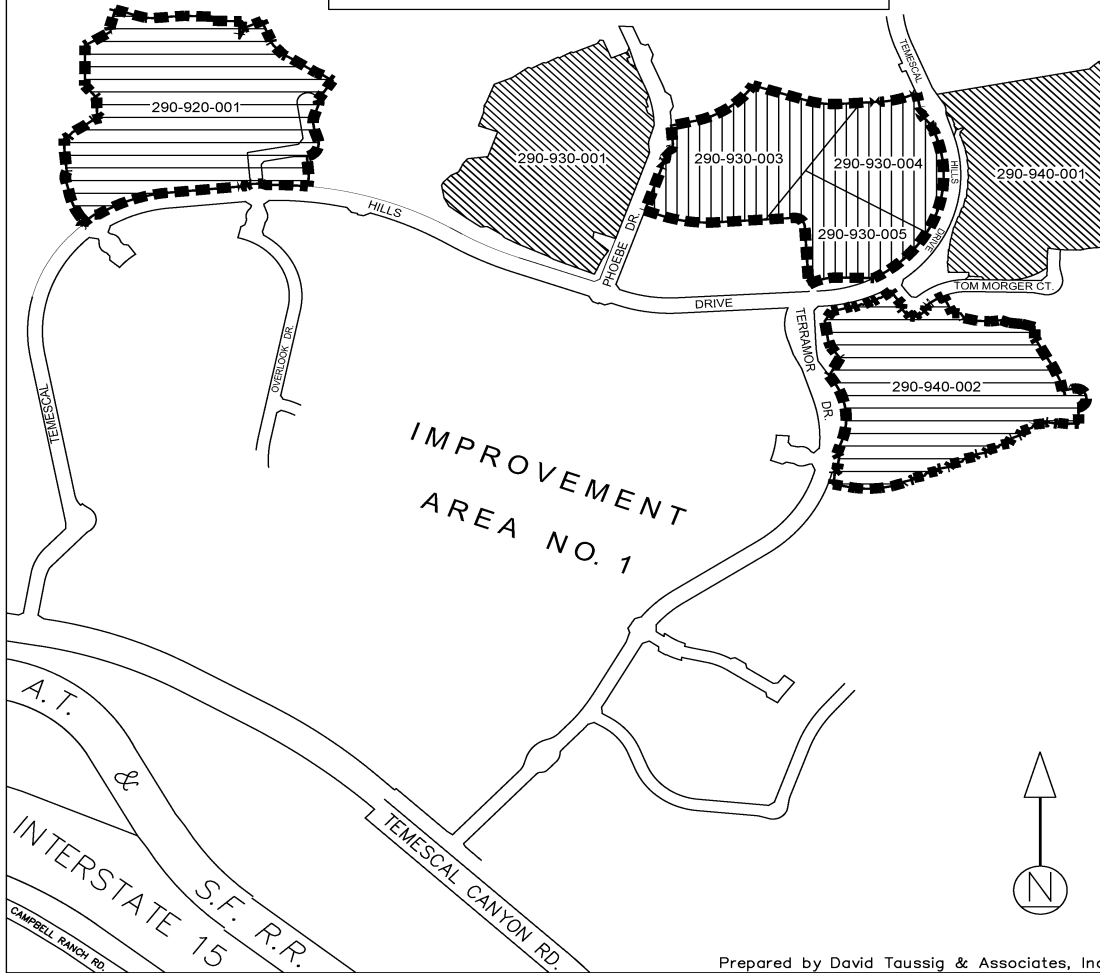
By \_\_\_\_\_  
Deputy  
Fee \_\_\_\_\_

Exempt recording requested, per  
CA Government Code § 6103

PROPOSED BOUNDARIES OF  
IMPROVEMENT AREA NO. 2 OF  
TEMESCAL VALLEY WATER DISTRICT  
COMMUNITY FACILITIES DISTRICT NO. 4  
(TERRAMOR)  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA

LEGEND

■ ■ ■ ■ ■	Boundaries of Improvement Area No. 2 of Community Facilities District No. 4
▬ ▬ ▬ ▬ ▬	Zone 1 of Improvement Area No. 2
▮ ▮ ▮ ▮ ▮	Zone 2 of Improvement Area No. 2
▨ ▨ ▨ ▨ ▨	Future Annexation Area of I. A. No. 2
290-9n0-00n	Assessor Parcel Number



Prepared by David Taussig & Associates, Inc.

## ATTACHMENT B

### RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAX FOR IMPROVEMENT AREA NO. 2 OF COMMUNITY FACILITIES DISTRICT NO. 4 (TERRAMOR) OF TEMESCAL VALLEY WATER DISTRICT

A Special Tax as hereinafter defined shall be levied on all Assessor's Parcels in Improvement Area No. 2 ("IA No. 2") of Temescal Valley Water District Community Facilities District No. 4 (Terramor) ("CFD No. 4") and collected each Fiscal Year commencing in Fiscal Year 2019-2020, in an amount determined by the Board, through the application of the Rate and Method of Apportionment as described below. All of the real property in IA No. 2, unless exempted by law or by the provisions hereof, shall be taxed for the purposes, to the extent and in the manner herein provided.

#### A. DEFINITIONS

The terms hereinafter set forth have the following meanings:

**"Acre"** or **"Acreage"** means the land area of an Assessor's Parcel as shown on an Assessor's Parcel Map, or if the land area is not shown on an Assessor's Parcel Map, the land area shown on the applicable Final Map, parcel map, condominium plan, or other recorded County parcel map.

**"Act"** means the Mello-Roos Community Facilities Act of 1982, as amended, being Chapter 2.5, Division 2 of Title 5 of the Government Code of the State of California.

**"Administrative Expenses"** means the following actual or reasonably estimated costs directly related to the administration of IA No. 2: the costs of computing the Special Taxes and preparing the annual Special Tax collection schedules (whether by the Water District or designee thereof or both); the costs of collecting the Special Taxes (whether by the Water District or otherwise); the costs of remitting the Special Taxes to the Trustee; the costs of the Trustee (including its legal counsel) in the discharge of the duties required of it under the Indenture; the costs to the Water District, CFD No. 4 or any designee thereof of complying with arbitrage rebate requirements; the costs to the Water District, CFD No. 4 or any designee thereof of complying with Water District, IA No. 2 or obligated persons disclosure requirements associated with applicable federal and state securities laws and of the Act; the costs associated with preparing Special Tax disclosure statements and responding to public inquiries regarding the Special Taxes; the costs of the Water District, CFD No. 4 or any designee thereof related to an appeal of the Special Tax; the costs associated with the release of funds from an escrow account; the costs associated with the Special Tax reduction described in Section J; the costs associated with the issuance of Bonds; and the Water District's annual administration fees and third party expenses. Administrative Expenses shall also include amounts estimated or advanced by the Water District or CFD No. 4 for any other administrative purposes of IA No. 2, including attorney's fees and other costs related to commencing and pursuing to completion any foreclosure, or otherwise addressing the disposition of delinquent Special Taxes.



**“Approved Property”** means, for each Fiscal Year, all Taxable Property, exclusive of Developed Property, Taxable Property Owner Association Property, and Taxable Public Property, for which a Final Map was recorded prior to January 1 of the previous Fiscal Year.

**“Assessor’s Parcel”** means any real property to which an Assessor’s parcel number is assigned as shown on an Assessor’s Parcel Map.

**“Assessor’s Parcel Map”** means an official map of the County Assessor of the County designating parcels by Assessor’s Parcel number.

**“Assigned Special Tax”** means the Special Tax for each Land Use Class of Developed Property within IA No. 2, as determined in accordance with Section C below.

**“Backup Special Tax”** means the Special Tax applicable to each Assessor’s Parcel of Developed Property within IA No. 2, as determined in accordance with Section C below.

**“Board”** means the Board of Directors of the Water District, acting as the legislative body of CFD No. 4.

**“Bonds”** means any bonds or other debt (as defined in Section 53317(d) of the Act), whether in one or more series, issued by CFD No. 4 for IA No. 2 under the Act.

**“CFD Administrator”** means an official of the Water District, or designee thereof, responsible for determining the Special Tax Requirement and providing for the levy and collection of the Special Taxes.

**“CFD No. 4”** means the Temescal Valley Water District Community Facilities District No. 4 (Terramor).

**“County”** means the County of Riverside.

**“Developed Property”** means, for each Fiscal Year, all Taxable Property, exclusive of Other Taxable Property, (i) for which a building permit was issued prior to March 1 of the prior Fiscal Year, and (ii) that is located within a Final Map.

**“Final Map”** means (i) a final map, or portion thereof, approved by the County pursuant to the Subdivision Map Act (California Government Code Section 66410 *et seq.*) that creates individual lots or parcels for which building permits may be issued without further subdivision, or (ii) for condominiums, a final map approved by the County and a condominium plan recorded pursuant to California Civil Code Section 1352 creating such individual lots or parcels.

**“Fiscal Year”** means the period starting July 1 and ending on the following June 30.

**“Improvement Area No. 2”** or **“IA No. 2”** means Improvement Area No. 2 of CFD No. 4.

**“Indenture”** means the indenture, fiscal agent agreement, resolution or other instrument pursuant to which Bonds are issued, as modified, amended and/or supplemented from time to time.

**“Land Use Class”** means any of the classes listed in Tables 1 and 2 below.

**“Maximum Special Tax”** means the Maximum Special Tax, determined in accordance with Section C and Section D below, that can be levied in any Fiscal Year on any Assessor’s Parcel within IA No. 2.

**“Non-Residential Property”** means Developed Property for which a building permit(s) was issued for a non-residential use.

**“Original IA No. 2 Property”** means the property located within IA No. 2 at the time of formation as identified on the original boundary map for IA No. 2 of CFD No. 4.

**“Outstanding Bonds”** means all Bonds which are deemed to be outstanding under the Indenture.

**“Other Taxable Property”** means Taxable Public Property and Taxable Property Owner Association Property.

**“Proportionately”** means, for Developed Property, that the ratio of the actual Special Tax levy to the Assigned Special Tax is equal for all Assessor’s Parcels of Developed Property, except to the extent that the Special Tax levy on Residential Property is limited as described in the first step in Section D below. For Approved Property or Undeveloped Property, “Proportionately” means that the ratio of the actual Special Tax levy per Acre to the Maximum Special Tax per Acre is equal for all Assessor’s Parcels of Approved Property or Undeveloped Property. For Other Taxable Property, “Proportionately” means that the ratio of the actual Special Tax levy per Acre to the Maximum Special Tax per Acre is equal for all Assessor’s Parcels of Other Taxable Property.

**“Property Owner Association Property”** means, for each Fiscal Year, any property within the boundaries of IA No. 2 that was owned by a property owner association, including any master or sub-association, as of January 1 of the prior Fiscal Year.

**“Public Property”** means, for each Fiscal Year, any property within IA No. 2 that is owned by, irrevocably offered for dedication to, or dedicated to the federal government, the State, the County, Water District, or any other public agency as of June 30 of the prior Fiscal Year; provided however that any property leased by a public agency to a private entity and subject to taxation under Section 53340.1 of the Act shall be taxed and classified in accordance with its use. To ensure that property is classified as Public Property in the first Fiscal Year after it is acquired by, irrevocably offered for dedication to, or dedicated to a public agency, the property owner shall notify the CFD Administrator in writing of such acquisition, offer, or dedication not later than June 30 of the Fiscal Year in which the acquisition, offer, or dedication occurred.

**“Residential Floor Area”** means all of the square footage of living area within the perimeter of a residential dwelling unit, not including any carport, walkway, garage, overhang, patio, enclosed patio, or similar area. The CFD Administrator shall determine the Residential Floor Area based upon the building permit(s) issued for such residential dwelling unit.

**“Residential Property”** means Developed Property for which a building permit has been issued for purposes of constructing one or more residential dwelling units.

**“Special Tax”** means the special tax to be levied in each Fiscal Year on each Assessor’s Parcel of Taxable Property to fund the Special Tax Requirement.

**“Special Tax Requirement”** means that amount required in any Fiscal Year to: (i) pay debt service on all Outstanding Bonds; (ii) pay periodic costs on the Bonds, including but not limited to, credit enhancement and rebate payments on the Bonds; (iii) pay Administrative Expenses; (iv) pay any amounts required to establish or replenish any reserve funds for all Outstanding Bonds; (v) pay directly for the acquisition or construction of facilities authorized to be financed by IA No. 2 to the extent that inclusion of such amount does not increase the Special Tax levy on Approved Property or Undeveloped Property; and (vi) pay for reasonably anticipated Special Tax delinquencies based on the historical delinquency rate for IA No. 2 as determined by the CFD Administrator; less (vii) a credit for funds available to reduce the annual Special Tax levy, as determined by the CFD Administrator pursuant to the Indenture.

**“State”** means the State of California.

**“Taxable Property”** means all of the Assessor’s Parcels within the boundaries of IA No. 2 which are not exempt from the Special Tax pursuant to law or Section E below.

**“Taxable Property Owner Association Property”** means all Assessor’s Parcels of Property Owner Association Property that are not exempt pursuant to Section E below.

**“Taxable Public Property”** means all Assessor’s Parcels of Public Property that are not exempt pursuant to Section E below.

**“Trustee”** means the trustee or fiscal agent under the Indenture.

**“Undeveloped Property”** means, for each Fiscal Year, all Taxable Property not classified as Approved Property, Developed Property, or Other Taxable Property.

**“Water District”** means the Temescal Valley Water District.

**“Zone”** means Zone A and/or Zone B, as applicable.

**“Zone A”** means Zone A of IA No. 2, as identified on the boundary map for IA No. 2 of CFD No. 4 (including any annexation map).

**“Zone B”** means Zone B of IA No. 2, as identified on the boundary map for IA No. 2 of CFD No. 4, (including any annexation map).

**B. ASSIGNMENT TO LAND USE CATEGORIES**

Each Fiscal Year, all Taxable Property within Zone A and Zone B of IA No. 2 shall be classified as Developed Property, Approved Property, Other Taxable Property, or Undeveloped Property, and shall be subject to Special Taxes in accordance with this Rate and Method of Apportionment as determined pursuant to Sections C and D below.

Developed Property shall be further classified as Residential Property or Non-Residential Property.

**C. MAXIMUM SPECIAL TAX**

**1. Developed Property**

Residential Property in Zone A shall be assigned to Land Use Classes 1 through 8 of Table 1 below, and Non-Residential Property in Zone A shall be assigned to Land Use Class 9 of Table 1 below. Residential Property in Zone B shall be assigned to Land Use Class 1 through 8 of Table 2 below, and Non-Residential Property in Zone B shall be assigned to Land Use Class 9 of Table 2 below. The Assigned Special Tax for Residential Property shall be based on the Residential Floor Area of the dwelling unit(s) located on the Assessor's Parcel. The Assigned Special Tax for Non-Residential Property shall be based on the Acreage of the Assessor's Parcel.

**(a) Maximum Special Tax**

The Maximum Special Tax for each Assessor's Parcel classified as Developed Property shall be the greater of (i) the amount derived by application of the Assigned Special Tax or (ii) the amount derived by application of the Backup Special Tax.

The Maximum Special Tax (including the Assigned Special Taxes and the Backup Special Tax set forth in Sections C.1.(b), C.1.(c) and C.1.(d) below) may be reduced in accordance with, and subject to the conditions set forth in, Section J below.

**(b) Assigned Special Tax – Zone A (Market Rate Units)**

The Assigned Special Tax for each Land Use Class within Zone A is shown below in Table 1.

**TABLE 1**  
**Assigned Special Tax for Developed Property in**  
**Zone A**  
**(Market Rate Units)**

Land Use Class	Description	Residential Floor Area	Assigned Special Tax
1	Residential Property	> 3,101 s.f.	\$3,478 per unit
2	Residential Property	2,901 – 3,101 s.f.	\$3,377 per unit
3	Residential Property	2,601 – 2,900 s.f.	\$3,278 per unit
4	Residential Property	2,301 – 2,600 s.f.	\$3,183 per unit
5	Residential Property	2,151 – 2,300 s.f.	\$3,094 per unit
6	Residential Property	2,001 – 2,150 s.f.	\$2,977 per unit
7	Residential Property	1,851 – 2,000 s.f.	\$2,888 per unit
8	Residential Property	< 1,851 s.f.	\$2,799 per unit
9	Non-Residential Property	NA	\$29,446 per Acre

**(c) Assigned Special Tax – Zone B (Age-Qualified Units)**

The Assigned Special Tax for each Land Use Class within Zone B is shown below in Table 2.

**TABLE 2**  
**Assigned Special Tax for Developed Property in**  
**Zone B**  
**(Age-Qualified Units)**

Land Use Class	Description	Residential Floor Area	Assigned Special Tax
1	Residential Property	> 2,599 s.f.	\$2,921 per unit
2	Residential Property	2,300 – 2,599 s.f.	\$2,703 per unit
3	Residential Property	1,900 – 2,299 s.f.	\$2,502 per unit
4	Residential Property	1,601 – 1,899 s.f.	\$2,115 per unit
5	Residential Property	1,301 – 1,600 s.f.	\$1,888 per unit
6	Residential Property	1,101 – 1,300 s.f.	\$1,875 per unit
7	Residential Property	< 1,101 s.f.	\$1,819 per unit
8	Non-Residential Property	NA	\$18,404 per Acre

**(d) Backup Special Tax**

The Backup Special Tax for an Assessor's Parcel of Developed Property will equal the amount indicated in Table 3 below for the applicable Zone.

**TABLE 3**  
**Backup Special Tax for**  
**Zone A and Zone B**

Zone	Backup Special Tax
A	\$29,446 per Acre
B	\$18,404 per Acre

**2. Approved Property, Undeveloped Property and Other Taxable Property**

The Maximum Special Tax for Approved Property, Undeveloped Property, and Other Taxable Property will equal the amount indicated in Table 4 below for the applicable Zone.

**TABLE 4**  
**Approved Property, Undeveloped**  
**Property, and Other Taxable Property**  
**in**  
**Zone A and Zone B**

Zone	Maximum Special Tax
A	\$29,446 per Acre
B	\$18,404 per Acre

**3. Multiple Land Uses**

In some instances an Assessor's Parcel of Developed Property may contain more than one Land Use Class. The Assigned Special Tax levied on an Assessor's Parcel shall be the sum of the Assigned Special Taxes for all Land Use Classes located on that Assessor's Parcel. The Maximum Special Tax that can be levied on an Assessor's Parcel shall be the sum of the Maximum Special Taxes that can be levied for all Land Use Classes located on that Assessor's Parcel. For an Assessor's Parcel that contains multiple land uses, the Acreage of such Assessor's Parcel shall be allocated to each type of property based on the amount of Acreage designated for each land use as determined by reference to the site plan approved for such Assessor's Parcel.

The CFD Administrator's allocation to each type of property shall be final.

**D. APPORTIONMENT OF THE SPECIAL TAX**

For each Fiscal Year, commencing Fiscal Year 2019-2020, the Board shall determine the Special Tax Requirement and shall levy the Special Tax as follows:

First: The Special Tax shall be levied Proportionately on each Assessor's Parcel of Developed Property at up to 100% of the applicable Assigned Special Tax as needed to satisfy the Special Tax Requirement;

Second: If additional monies are needed to satisfy the Special Tax Requirement after the first step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Approved Property at up to 100% of the Maximum Special Tax for Approved Property;

Third: If additional monies are needed to satisfy the Special Tax Requirement after the first two steps have been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Undeveloped Property at up to 100% of the Maximum Special Tax for Undeveloped Property;

Fourth: If additional monies are needed to satisfy the Special Tax Requirement after the first three steps have been completed, then the levy of the Special Tax on each Assessor's Parcel of Developed Property whose Maximum Special Tax is determined through the application of the Backup Special Tax shall be increased in equal percentages from the Assigned Special Tax up to 100% of the Maximum Special Tax for each such Assessor's Parcel.

Fifth: If additional monies are needed to satisfy the Special Tax Requirement after the first four steps have been completed, then the Special Tax shall be levied Proportionately on each Assessor's Parcel of Other Taxable Property at up to 100% of the Maximum Special Tax for Other Taxable Property.

Notwithstanding the above, pursuant to Section 53321(d)(3) of the California Government Code, under no circumstances will the Special Tax levied in any Fiscal Year against any Assessor's Parcel for which an occupancy permit for private residential use has been issued be increased as a consequence of delinquency or default by the owner or owners of any other Assessor's Parcel(s) within CFD No. 4 by more than 10% above the amount that would have been levied in that Fiscal Year had there never been any such delinquencies or defaults. To the extent that the levy of the Special Tax on residential property is limited by the provision in the previous sentence, the levy of the Special Tax on each Assessor's Parcel of non-residential property shall continue to increase in equal percentages at up to 100% of the Maximum Special Tax.

## **E. EXEMPTIONS**

No Special Taxes shall be levied on Property Owner Association Property and Public Property, so long as the Acreage of Taxable Property in each Zone is at least equal to the "Minimum Taxable Acreage" as defined below.

Lots 2 and 3 of tract map 36825 are planned to be annexed into IA No. 2 at a future date. The Minimum Taxable Acreage for each Zone is equal to (i) the applicable amount shown in Column C of Table 5 below prior to any annexations into IA No. 2 or (ii) the applicable amount shown in Column E of Table 5 below following the annexation of Lot 2 and/or Lot 3 of tract map 36825 into IA No. 2.

**Table 5  
Minimum Taxable Acreage**

Column A	Column B	Column C	Column D	Column E
Lot(s)	Lot(s) Annexed into Zone	Minimum Taxable Acreage prior to Annexation	Amount of Increase to Minimum Taxable Acreage indicated in paragraph above	New Minimum Taxable Acreage following Annexation
2	A	20.08 Acres	10.24 Acres	30.32 Acres
2	B	17.26 Acres	10.24 Acres	27.50 Acres
3	A	20.08 Acres	8.81 Acres	28.89 Acres
3	B	17.26 Acres	8.81 Acres	26.07 Acres
2 & 3	A	20.08 Acres	19.05 Acres	39.13 Acres
2 & 3	B	17.26 Acres	19.05 Acres	36.31 Acres

Tax-exempt status will be assigned by the CFD Administrator in the chronological order in which property becomes Property Owner Association Property or Public Property. However, should an Assessor's Parcel no longer be classified as Property Owner Association Property or Public Property, its tax-exempt status will be revoked.

To the extent that the exemption of an Assessor's Parcel of Property Owner Association Property or Public Property would reduce the Acreage of Taxable Property below the Minimum Taxable Acreage in the applicable Zone, such Assessor's Parcel shall be classified as Taxable Property Owner Association Property or Taxable Public Property, as applicable, and shall be subject to the levy of the Special Tax and shall be taxed as part of the fifth step in Section D above, at up to 100% of the applicable Maximum Special Tax for Other Taxable Property.

**F. APPEALS AND INTERPRETATIONS**

Any taxpayer may file a written appeal of the Special Tax on his/her property with the CFD Administrator, provided that the appellant is current in his/her payments of Special Taxes. During the pendency of an appeal, all Special Taxes previously levied must be paid on or before the payment date established when the levy was made. The appeal must specify the reasons why the appellant claims the Special Tax is in error. The CFD Administrator shall review the appeal, meet with the appellant if the CFD Administrator deems necessary, and advise the appellant of its determination. If the CFD Administrator agrees with the appellant, the CFD Administrator shall eliminate or reduce the Special Tax on the appellant's property and/or provide a refund to the appellant. If the CFD Administrator disagrees with the appellant and the appellant is dissatisfied with the determination, the appellant then has 30 days in which to appeal to the Board by



filing a written notice of appeal with the clerk of the Board, provided that the appellant is current in his/her payments of Special Taxes. The second appeal must specify the reasons for its disagreement with the CFD Administrator's determination.

The CFD Administrator may interpret this Rate and Method of Apportionment for purposes of clarifying any ambiguity and make determinations relative to the annual administration of the Special Tax and any property owner appeals. Any decision of the CFD Administrator shall be subject to appeal to the Board whose decision shall be final and binding as to all persons.

**G. MANNER OF COLLECTION**

The Special Tax will be collected in the same manner and at the same time as ordinary *ad valorem* property taxes; provided, however, that CFD No. 4 may directly bill the Special Tax, may collect the Special Tax at a different time or in a different manner if necessary to meet its financial obligations, and may covenant to foreclose and may actually foreclose on delinquent Assessor's Parcels as permitted by the Act.

**H. PREPAYMENT OF SPECIAL TAX**

The following definitions apply to this Section H:

**"CFD Public Facilities"** means (i) for the Original IA No. 2 Property, an amount equal to \$13.0 million, (ii) after property is annexed into IA No. 2 and depending on which Zone(s) Lots and 2 and 3 of tract map 36825 are annexed into, the amount indicated in (i) above shall be increased by the amount(s) indicated in Table 6 below, or (iii) such lower number as (a) determined by the CFD Administrator as sufficient to provide the public facilities to be provided by CFD No. 4 on behalf of IA No. 2 under the authorized bonding program for IA No. 2, or (b) shall be determined by the Board concurrently with a covenant that it will not issue any more Bonds to be supported by Special Tax levied under this Rate and Method of Apportionment as described in Section D.

**Table 6  
Increase in CFD Public Facilities  
After Annexation of Property**

Lot(s)	Lot Annexed into Zone	Amount of Increase to CFD Public Facilities indicated in paragraph above
2	A	\$3.9 million
2	B	\$2.9 million
3	A	\$4.0 million
3	B	\$2.5 million
2 & 3	A	\$7.9 million
2 & 3	B	\$5.4 million

**“Construction Fund”** means an account specifically identified in the Indenture to hold funds which are currently available for expenditure to acquire or construct public facilities eligible under the Act.

**“Future Facilities Costs”** means the CFD Public Facilities minus (i) public facility costs previously paid from the Construction Fund, (ii) moneys currently on deposit in the Construction Fund, and (iii) moneys currently on deposit in an escrow fund that are expected to be available to finance facilities costs.

**“Outstanding Bonds”** means all Previously Issued Bonds which are deemed to be outstanding under the Indenture after the first interest and/or principal payment date following the current Fiscal Year.

**“Previously Issued Bonds”** means all Bonds that have been issued by CFD No. 4 for IA No. 2 prior to the date of prepayment.

**1. Prepayment in Full**

The obligation of an Assessor’s Parcel to pay the Special Tax may be prepaid and permanently satisfied as described herein; provided that a prepayment may be made only for Assessor’s Parcels of Developed Property and Approved Property and/or Undeveloped Property for which a building permit has been issued, and only if there are no delinquent Special Taxes with respect to such Assessor’s Parcel at the time of prepayment. An owner of an Assessor’s Parcel intending to prepay the Special Tax obligation shall provide the CFD Administrator with written notice of intent to prepay. Within 30 days of receipt of such written notice, the CFD Administrator shall notify such owner of the prepayment amount of such Assessor’s Parcel. The CFD Administrator may charge a reasonable fee for providing this service. Prepayment must be made not less than 45 days prior to the next occurring date that notice of redemption of

Bonds from the proceeds of such prepayment may be given to the Trustee pursuant to the Indenture.

The Special Tax Prepayment Amount (as defined in paragraph 14 below) shall be calculated as summarized below (capitalized terms as defined below):

	Bond Redemption Amount
plus	Redemption Premium
plus	Future Facilities Amount
plus	Defeasance Amount
plus	Administrative Fees and Expenses
less	<u>Reserve Fund Credit</u>
Total: equals	Prepayment Amount

As of the proposed date of prepayment, the Special Tax Prepayment Amount (as defined in paragraph 14 below) shall be calculated as follows:

**Paragraph No.:**

1. Confirm that no Special Tax delinquencies apply to such Assessor's Parcel.
2. For Assessor's Parcels of Developed Property, compute the Assigned Special Tax and Backup Special Tax applicable for the Assessor's Parcel to be prepaid. For Assessor's Parcels of Approved Property and/or Undeveloped Property (for which a building permit has been issued) to be prepaid, compute the Assigned Special Tax and Backup Special Tax for that Assessor's Parcel as though it was already designated as Developed Property, based upon the building permit which has already been issued for that Assessor's Parcel.
3. (a) Divide the Assigned Special Tax computed pursuant to paragraph 2 by the total estimated Assigned Special Tax for the entire IA No. 2 based on the Developed Property Special Tax which could be charged in the current Fiscal Year on all expected development at buildout of IA No. 2, excluding any Assessor's Parcels which have been prepaid, and  
  
(b) Divide the Backup Special Tax computed pursuant to paragraph 2 by the estimated total Backup Special Tax at buildout of IA No. 2, excluding any Assessor's Parcels which have been prepaid.
4. Multiply the larger quotient computed pursuant to paragraph 3(a) or 3(b) by the Outstanding Bonds to compute the amount of Outstanding Bonds to be retired and prepaid (the "Bond Redemption Amount").
5. Multiply the Bond Redemption Amount computed pursuant to paragraph 4 by the applicable redemption premium, if any, on the Outstanding Bonds to be redeemed (the "Redemption Premium").
6. Compute the current Future Facilities Costs.

7. Multiply the larger quotient computed pursuant to paragraph 3(a) or 3(b) by the amount determined pursuant to paragraph 6 to compute the amount of Future Facilities Costs to be prepaid (the "Future Facilities Amount").
8. Compute the amount needed to pay interest on the Bond Redemption Amount from the first bond interest and/or principal payment date following the current Fiscal Year until the earliest redemption date for the Outstanding Bonds.
9. Determine the Special Tax levied on the Assessor's Parcel in the current Fiscal Year which has not yet been paid.
10. Compute the minimum amount the CFD Administrator reasonably expects to derive from the reinvestment of the Special Tax Prepayment Amount less the Future Facilities Amount and the Administrative Fees and Expenses from the date of prepayment until the redemption date for the Outstanding Bonds to be redeemed with the prepayment.
11. Add the amounts computed pursuant to paragraphs 8 and 9 and subtract the amount computed pursuant to paragraph 10 (the "Defeasance Amount").
12. Verify the administrative fees and expenses of CFD No. 4 related to the IA No. 2 prepayment, including the costs of computation of the prepayment, the costs to invest the prepayment proceeds, the costs of redeeming Bonds, and the costs of recording any notices to evidence the prepayment and the redemption (the "Administrative Fees and Expenses").
13. The reserve fund credit ("Reserve Fund Credit") shall equal the lesser of: (a) the expected reduction in the reserve requirement (as defined in the Indenture), if any, associated with the redemption of Outstanding Bonds as a result of the prepayment, or (b) the amount derived by subtracting the new reserve requirement (as defined in the Indenture) in effect after the redemption of Outstanding Bonds as a result of the prepayment from the balance in the reserve fund on the prepayment date, but in no event shall such amount be less than zero.
14. The Special Tax prepayment is equal to the sum of the amounts computed pursuant to paragraphs 4, 5, 7, 11 and 12, less the amount computed pursuant to paragraph 13 (the "Prepayment Amount").
15. From the Prepayment Amount, the amounts computed pursuant to paragraphs 4, 5, 11, and 13 shall be deposited into the appropriate fund as established under the Indenture and be used to retire Outstanding Bonds or make debt service payments. The amount computed pursuant to paragraph 7 shall be deposited into the Construction Fund. The amount computed pursuant to paragraph 12 shall be retained by CFD No. 4.

The Special Tax Prepayment Amount may be sufficient to redeem other than a \$5,000 increment of Bonds. In such cases, the increment above \$5,000 or integral multiple thereof will be retained in the appropriate fund established under the Indenture to be used with the next prepayment of Bonds or to make debt service payments.

As a result of the payment of the current Fiscal Year's Special Tax levy as determined under paragraph 9 (above), the CFD Administrator shall remove the current Fiscal Year's Special Tax levy for such Assessor's Parcel from the County tax rolls. With respect to any Assessor's Parcel that is prepaid, the Board shall cause a suitable notice to be recorded in compliance with the Act, to indicate the prepayment of Special Tax and the release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay the Special Tax shall cease.

Notwithstanding the foregoing, no prepayment will be allowed unless the amount of Assigned Special Tax that may be levied on Taxable Property (based on expected development at build out), both prior to and after the proposed prepayment, less expected Administrative Expenses, shall be at least 1.1 times the regularly scheduled annual interest and principal payments on all Outstanding Bonds (excluding Bonds to be redeemed by such prepayment and all prior prepayments) in each future Fiscal Year and such prepayment will not impair the security of all Outstanding Bonds, as reasonably determined by the CFD Administrator.

## **2. Prepayment in Part**

The Special Tax on an Assessor's Parcel of Developed Property or an Assessor's Parcel of Approved Property and/or Undeveloped Property for which a building permit has been issued may be partially prepaid. The amount of the prepayment shall be calculated as in Section H.1; except that a partial prepayment shall be calculated according to the following formula:

$$PP = [(P_E - AE) \times F] + AE$$

These terms have the following meaning:

AE	=	the Administrative Fees and Expenses
PP	=	the partial prepayment
P <sub>E</sub>	=	the Prepayment Amount calculated according to Section H.1
F	=	the percentage by which the owner of the Assessor's Parcel is partially prepaying the Special Tax.

The owner of any Assessor's Parcel who desires such prepayment shall notify the CFD Administrator of such owner's intent to partially prepay the Special Tax and the percentage by which the Special Tax shall be prepaid. The CFD Administrator shall provide the owner with a statement of the amount required for the partial prepayment of the Special Tax for an Assessor's Parcel within thirty (30) days of the request and may charge a reasonable fee for providing this service. With respect to any Assessor's Parcel that is partially prepaid, the Water District shall (i) distribute the funds remitted to it according to Section H.1, and (ii) indicate in the records of CFD No. 4 that there has been a partial prepayment of the Special Tax and that a portion of the Special Tax with respect to such Assessor's Parcel, equal to the outstanding percentage (1.00 - F) of the remaining Maximum Special Tax, shall continue to be levied on such Assessor's Parcel pursuant to Section D.

Notwithstanding the foregoing, no partial prepayment will be allowed unless the amount of Assigned Special Tax that may be levied on Taxable Property (based on expected development at build out), both prior to and after the proposed prepayment, less

expected Administrative Expenses, shall be at least 1.1 times the regularly scheduled annual interest and principal payments on all Outstanding Bonds (excluding Bonds to be redeemed by such prepayment and all prior prepayments) in each future Fiscal Year and such partial prepayment will not impair the security of all Outstanding Bonds, as reasonably determined by the CFD Administrator.

**I. TERM OF SPECIAL TAX**

The Special Tax shall be levied for the period necessary to fully satisfy items (i) through (iv) of the Special Tax Requirement, but in no event shall it be levied after Fiscal Year 2058-59.

**J. SPECIAL TAX REDUCTION**

**“Contractual Encumbrances”** means (a) a voluntary contractual assessment established and levied on an individual Assessor’s Parcel pursuant to Chapter 29 of Part 3 of Division 7 of the California Streets and Highways Code (commencing with Section 5898.10 et seq.), as amended from time to time, (b) a special tax established and levied on an individual Assessor’s Parcel pursuant to Section 53328.1 of the California Government Code and related provisions of the Act, as amended from time to time, and (c) any other fee, charge, tax or assessment established and levied on an individual Assessor’s Parcel pursuant to a contractual agreement or other voluntary consent by the owner thereof.

**“Independent Price Point Consultant”** means any consultant or firm of such consultants selected by CFD No. 4 that (a) has substantial experience in performing Price Point Studies for residential units within community facilities districts or otherwise estimating or confirming pricing for residential units in community facilities districts, (b) is well versed in analyzing economic and real estate data that relates to the pricing of residential units in community facilities districts, (c) is in fact independent and not under the control of CFD No. 4 or the Water District, (d) does not have any substantial interest, direct or indirect, with or in (i) CFD No. 4, (ii) the Water District, (iii) any owner of real property in CFD No. 4, or (iv) any real property in CFD No. 4, and (e) is not connected with CFD No. 4 or the Water District as an officer or employee thereof, but who may be regularly retained to make reports to CFD No. 4 or the Water District.

**“Plan Type”** means, for each Zone, a discrete residential plan type that is constructed or expected to be constructed within IA No. 2 as identified in the Price Point Study.

**“Price Point”** means, with respect to the residential dwelling units in each Plan Type, as of any date, the minimum base price of such residential dwelling units, estimated as of such date, including any incentives and concessions, but excluding potential appreciation or premiums, options or upgrades, based upon their actual or expected characteristics, such as living area and lot size.

**“Price Point Study”** means a price point study or a letter updating a previous price point study, which (a) has been prepared by an Independent Price Point Consultant, (b) sets forth the Plan Types constructed or expected to be constructed within IA No. 2, (c) sets forth the estimated number of constructed and expected residential dwelling units for each Plan Type, (d) sets forth such Independent Price Point Consultant’s estimate of the Price Point for each Plan Type and (e) uses a date for establishing such

Price Points that is no earlier than 60 days prior to the date the Price Point Study is delivered to the CFD Administrator pursuant to this Section J.

**“Total Effective Tax Rate”** means, for a Plan Type, the quotient of (a) the Total Tax and Assessment Obligation for such Plan Type divided by (b) the Price Point for such Plan Type, converted to a percentage.

**“Total Tax and Assessment Obligation”** means, with respect to a Plan Type, for the Fiscal Year in which the calculation is being performed, the quotient of (a) the sum of the Assigned Special Tax and estimated *ad valorem* property taxes, special assessments, special taxes for any overlapping community facilities districts, and any other governmental taxes, fees and charges (excluding any Contractual Encumbrances), levied or imposed on all residential dwelling units of such Plan Type in such Fiscal Year or that would have been levied or imposed on all such residential dwelling units had such residential dwelling units been completed, sold and subject to such levies and impositions, in such Fiscal Year divided by (b) the number of residential dwelling units in such Plan Type. The Total Tax and Assessment Obligation for each Plan Type shall be calculated based on the applicable Residential Floor Area, Price Point, and number of constructed and expected residential dwelling units for such Plan Type as identified in the Price Point Study.

Prior to the issuance of the first series of Bonds, the following steps shall be taken:

Step No.:

1. At least 30 days prior to the expected issuance date of the first series of Bonds, CFD No. 4 shall cause a Price Point Study to be delivered to the CFD Administrator.
2. As soon as practicable after receipt of the Price Point Study, the CFD Administrator shall calculate the Total Effective Tax Rate for each Plan Type.
3. Separately, for each Land Use Class, the CFD Administrator shall determine whether or not the Total Effective Tax Rate for all Plan Types in a Land Use Class is less than or equal to 2.00% for property in Zone A and 1.75% for property in Zone B.
  - a. If the Total Effective Tax Rate for all Plan Types in a Land Use Class is less than or equal to 2.00% for property in Zone A and 1.75% for property in Zone B, then there shall be no change in the Assigned Special Tax for such Land Use Class.
  - b. If the Total Effective Tax Rate for any Plan Type in a Land Use Class is greater than 2.00% for property in Zone A or 1.75% for property in Zone B, then the CFD Administrator shall calculate a revised Assigned Special Tax for such Land Use Class, which revised Assigned Special Tax shall be the highest amount (rounded to the nearest whole dollar) that will not cause the Total Effective Tax Rate for any Plan Type in such Land Use Class to exceed 2.00% for property in Zone A and 1.75% for property in Zone B.

4. If the Assigned Special Tax for any Land Use Class in a Zone is revised pursuant to step 3.b. above, the CFD Administrator shall calculate a revised Backup Special Tax for all property within such Zone. The revised Backup Special Tax for such Zone shall be an amount (rounded to the nearest whole dollar) equal to the Backup Special Tax for such Zone as set forth in Section C.1.(d), reduced by a percentage equal to the weighted average percentage reduction in the Assigned Special Taxes for all Land Use Classes of Residential Property in such Zone resulting from the calculations in steps 3.a. and 3.b. above. The weighted average percentage will be calculated by taking the sum of the products of the number of units constructed or expected to be constructed in each Land Use Class multiplied by the percentage change for each Land Use Class (or 0 for Land Use Classes that are not changing). This amount is then divided by the total number of units constructed or expected to be constructed within the Zone and converted to a percentage.
5. If the Assigned Special Tax for any Land Use Class is revised pursuant to step 3.b. above, the CFD Administrator shall prepare and execute a Certificate of Reduction in Special Taxes substantially in the form of Exhibit A hereto and shall deliver such Certificate of Reduction in Special Taxes to CFD No. 4. The Certificate of Reduction in Special Taxes shall be completed for all Land Use Classes and shall set forth, as applicable, either (i) the reduced Assigned Special Tax for a Land Use Class as calculated pursuant to step 3.b., or (ii) the Assigned Special Tax as identified in Table 1 or Table 2 in Section C.1.(b) and C.1.(c) for a Land Use Class that was not revised as determined pursuant to step 3.a.; as well as either (i) the revised Backup Special Tax for a Zone as calculated pursuant to step 4, or (ii) the Backup Special Tax as identified in Table 3 in Section C.1.(d) for a Zone that was not revised as determined pursuant to step 4.
6. If the first series of Bonds is issued within 90 days of the date of receipt of the Price Point Study by the CFD Administrator, CFD No. 4 shall execute the acknowledgement on such Certificate of Reduction in Special Taxes, dated as of the date of such issuance, and, upon the issuance of such first series of Bonds, the Assigned Special Tax for each Land Use Class and the Backup Special Tax shall, *ipso facto*, be, for all purposes, as set forth in such Certificate of Reduction in Special Taxes. If the first series of Bonds is not issued within 90 days of the date of receipt of the Price Point Study by the CFD Administrator, such Certificate of Reduction in Special Taxes shall not be acknowledged by CFD No. 4 and shall, as of such date, be void and of no further force and effect. In such case, if subsequently, a first series of Bonds is expected to be issued, at least 30 days prior to the expected issuance date of such first series of Bonds, the CFD Administrator shall cause a new Price Point Study to be delivered to the CFD Administrator and, following such delivery, steps 2 through 5 of this section shall be performed based on such new Price Point Study.
7. As soon as practicable after the execution by CFD No. 4 of the acknowledgement on the Certificate of Reduction in Special Taxes, CFD No. 4 shall cause to be recorded in the records of the County Recorder an Amended Notice of Special Tax Lien for IA No. 2 reflecting the Assigned Special Taxes and the Backup Special Tax for each Zone set forth in such Certificate of Reduction in Special Taxes.



8. If the Assigned Special Tax is not required to be changed for any Land Use Class based on the calculations performed under step 3 above, there shall be no reduction in the Maximum Special Tax, and no Certificate of Reduction in Special Taxes shall be required. However the CFD Administrator shall prepare and deliver to CFD No. 4 a Certificate of No Reduction in Special Taxes substantially in the form of Exhibit B hereto dated as of the date of the issuance of the first series of Bonds that states that the calculations required pursuant to this Section J have been made and that no changes to the Assigned Special Tax or Backup Special Tax are necessary.
9. CFD No. 4 and the CFD Administrator shall take no further actions under this Section J upon the earlier to occur of the following: (i) the execution of the acknowledgement by CFD No. 4 on a Certificate of Reduction in Special Taxes pursuant to step 6; or (ii) the delivery by the CFD Administrator of a Certificate of No Reduction in Special Taxes pursuant to step 8.

**EXHIBIT A**

**CERTIFICATE OF REDUCTION IN SPECIAL TAXES**

**Temescal Valley Water District  
IA No. 2 of CFD No. 4**

1. Pursuant to Section J of the Rate and Method of Apportionment, the Assigned Special Tax and Backup Special Tax for Developed Property for [certain or all] Land Use Classes within IA No. 2 has been reduced.
2. The calculations made pursuant to Section J were based upon a Price Point Study that was received by the CFD Administrator on \_\_\_\_\_.
3. Tables 1A and 2A below show the Assigned Special Tax for each Land Use Class in Zones A and B after such reduction.

**TABLE 1A**  
**Assigned Special Tax for Developed Property in**  
**Zone A**  
**(Market Rate Units)**

Land Use Class	Description	Residential Floor Area	Assigned Special Tax
1	Residential Property	> 3,101 s.f.	\$_____ per unit
2	Residential Property	2,901 – 3,101 s.f.	\$_____ per unit
3	Residential Property	2,601 – 2,900 s.f.	\$_____ per unit
4	Residential Property	2,301 – 2,600 s.f.	\$_____ per unit
5	Residential Property	2,151 – 2,300 s.f.	\$_____ per unit
6	Residential Property	2,001 – 2,150 s.f.	\$_____ per unit
7	Residential Property	1,851 – 2,000 s.f.	\$_____ per unit
8	Residential Property	< 1,851 s.f.	\$_____ per unit
9	Non-Residential Property	NA	\$_____ per Acre

**TABLE 2A**  
**Assigned Special Tax for Developed Property in**  
**Zone B**  
**(Age-Qualified Units)**

Land Use Class	Description	Residential Floor Area	Assigned Special Tax
1	Residential Property	> 2,599 s.f.	\$_____ per unit
2	Residential Property	2,300 – 2,599 s.f.	\$_____ per unit
3	Residential Property	1,900 – 2,299 s.f.	\$_____ per unit
4	Residential Property	1,601 – 1,899 s.f.	\$_____ per unit
5	Residential Property	1,301 – 1,600 s.f.	\$_____ per unit
6	Residential Property	1,101 – 1,300 s.f.	\$_____ per unit
7	Residential Property	< 1,101 s.f.	\$_____ per unit
8	Non-Residential Property	NA	\$_____ per Acre

4. The Backup Special Tax for each Assessor's Parcel of Developed Property shall equal \$\_\_\_\_\_ per Acre in Zone A and \$\_\_\_\_\_ per Acre in Zone B after such reduction.
5. Upon execution of this certificate by CFD No. 4, CFD No. 4 shall cause an amended notice of Special Tax lien for IA No. 2 to be recorded reflecting the Assigned Special Tax and Backup Special Tax set forth herein.

Submitted

CFD ADMINISTRATOR

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

By execution hereof, the undersigned acknowledges, on behalf of CFD No. 4, receipt of this certificate and modification of the Rate and Method of Apportionment as set forth in this certificate.

TEMESCAL VALLEY WATER DISTRICT CFD NO. 4

By: \_\_\_\_\_ Date as of: [date of issuance of Bonds]

**EXHIBIT B**

**CERTIFICATE OF NO REDUCTION IN SPECIAL TAXES**

**Temescal Valley Water District  
IA No. 2 of CFD No. 4**

1. All calculations required pursuant to Section J of the Rate and Method of Apportionment have been made based upon a Price Point Study that was received by the CFD Administrator on \_\_\_\_\_.
2. Total Effective Tax Rate for all Plan Types in all Land Use Classes is less than or equal to 2.00% for property in Zone A and 1.75% for property in Zone B.
3. The Maximum Special Tax for Developed Property within IA No. 2, including the Assigned Special Taxes set forth in Sections C.1.(b) and C.1.(c) and the Backup Special Tax set forth in Section C.1.(d) of the Rate and Method of Apportionment, shall remain in effect and not be reduced.

Submitted

CFD ADMINISTRATOR

By: \_\_\_\_\_ Date as of: [date of issuance of Bonds]

**RESOLUTION NO. R-19-03**

**RESOLUTION OF INTENTION OF THE BOARD OF DIRECTORS OF TEMESCAL VALLEY WATER DISTRICT, ACTING AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 4 (TERRAMOR) OF TEMESCAL VALLEY WATER DISTRICT, TO INCUR BONDED INDEBTEDNESS WITHIN COMMUNITY FACILITIES DISTRICT NO. 4 (TERRAMOR) OF TEMESCAL VALLEY WATER DISTRICT FOR IMPROVEMENT AREA NO. 2**

**WHEREAS**, upon receipt of a petition as provided in Section 53339.2 of the Government Code of the State of California, the Board of Directors of Temescal Valley Water District (the "Board of Directors") instituted proceedings to annex certain property to Community Facilities District No. 4 (Terramor) of Temescal Valley Water District ("CFD No. 4"), which was previously established by the Temescal Valley Water District, and to designate such property as Improvement Area No. 2 of CFD No. 4 ("Improvement Area No. 2"), all pursuant to the Mello-Roos Community Facilities Act of 1982 (the "Act"), as amended, and adopted a resolution on the date hereof (the "Resolution of Intention") stating its intention to annex such property to CFD No. 4, designate such property as Improvement Area No. 2 of CFD No. 4 and finance the Improvements and Incidental Expenses (as such terms are defined in Resolution No. R-16-13, adopted by the Board of Directors on November 22, 2016); and

**WHEREAS**, the Board of Directors estimates that the amount required to finance the Improvements and Incidental Expenses for Improvement Area No. 2 is approximately \$25,000,000; and

**WHEREAS**, in order to finance the Improvements and Incidental Expenses, the Board of Directors intends to authorize the issuance of bonds in the maximum principal amount of \$25,000,000 with respect to Improvement Area No. 2. The repayment of the bonds of CFD No. 4 for Improvement Area No. 2 shall be secured by special taxes levied in accordance with Section 53328 of the Act on all property in Improvement Area No. 2, other than those properties exempted from taxation in the rate and method of apportionment set forth in Attachment "B" to the Resolution of Intention;

**THE BOARD OF DIRECTORS OF TEMESCAL VALLEY WATER DISTRICT HEREBY FINDS, DETERMINES, RESOLVES, AND ORDERS AS FOLLOWS:**

1. The above recitals are true and correct.
2. It is necessary to incur bonded indebtedness within the boundaries of Improvement Area No. 2 in an amount not to exceed \$25,000,000 in order to finance the costs of the Improvements and Incidental Expenses, as permitted by the Act.
3. The indebtedness will be incurred for the purpose of financing the costs of the Improvements and the Incidental Expenses, including, but not limited to, the funding of reserve funds for the bonds, the financing of costs associated with the issuance of the bonds and all other costs and expenses necessary to finance the Improvements which are permitted to be financed pursuant to the Act.

4. It is the intent of the Board of Directors to authorize the sale of bonds in one or more series, which bonds may be issued to fund Improvements costs and Incidental Expenses in the maximum amount set forth in Section 2, and which bonds may bear interest at a rate not in excess of the maximum rate permitted by law at the time that the bonds are issued. The term of the bonds of each series shall be determined pursuant to a resolution of this Board of Directors authorizing the issuance of the bonds of such series, but such term shall in no event exceed 40 years from the date of issuance of the bonds of such series, or such longer term as is then permitted by law.

5. A combined public hearing (the "Hearing") on the proposed debt issue and the levy of special taxes shall be held at 8:30 a.m. or as soon thereafter as practicable, on April 23, 2019, at the Board of Directors Meeting Room, 22646 Temescal Canyon Road, Temescal Valley, California.

6. At the time and place set forth in this Resolution for the Hearing, any interested persons, including all persons owning land or registered to vote within CFD No. 4, including Improvement Area No. 2, may appear and be heard.

7. The Secretary of the Board of Directors is hereby directed to publish a notice of the Hearing (the "Notice") pursuant to Section 6061 of the Government Code in a newspaper of general circulation published in the area of CFD No. 4. Such publication shall be completed at least seven days prior to the date of the Hearing. The Secretary of the Board of Directors is further directed to mail a copy of the Notice to each of the landowners within the boundaries of proposed CFD No. 4 and the Improvement Area at least 15 days prior to the Hearing.

8. This Resolution shall be effective upon its adoption.

Dated: February 26, 2019.

---

C.W. Colladay, President

I hereby certify that the foregoing is a full, true and correct copy of the Resolution No. R-19-03 adopted by the Board of Directors of the Temescal Valley Water District at its meeting held on February 26, 2019.

ATTEST:

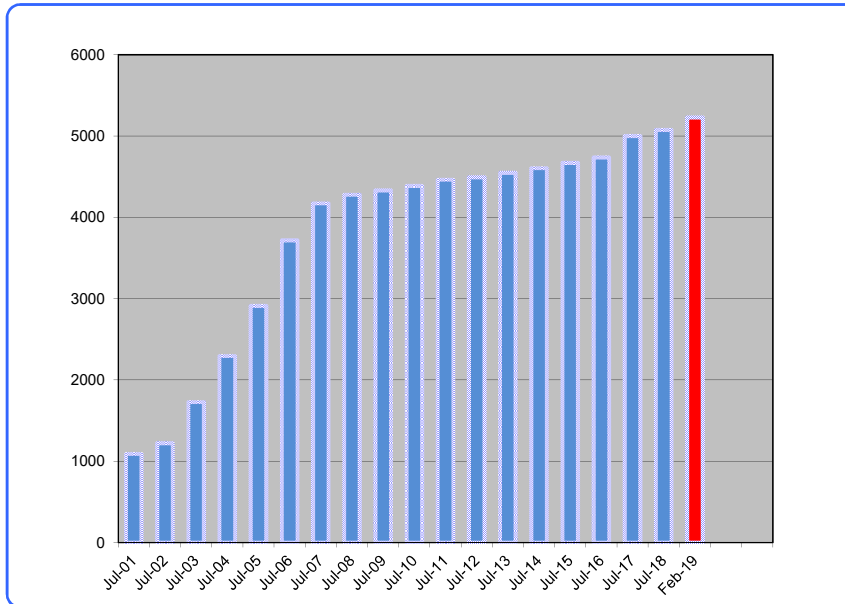
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Paul Rodriguez, Board Secretary

(SEAL)

**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	Feb-19
CUSTOMERS	1090	1223	1729	2295	2910	3718	4173	4279	4332	4386	4463	4492	4547	4605	4670	4736	5000	5076	5229



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	305	305	100%
Sycamore Creek	1735	1587	91%
The Retreat	525	517	98%
Terramor	1443	227	16% 15 MODELS
Harmony Grove	50	3	6%
	<u>6648</u>	<u>5229</u>	<u>79%</u>

**TOTAL CUSTOMER COUNT REPORT**  
**January 31, 2018**

	Water & Sewer	Water Only	Sewer Only	Count
New homes added 46 Accts closed/transf 70 Empty Homes 5			Butterfield (305) Calif. Meadows (345)	
Residential	5277	2	650	5929
Commercial	89	0	2	91
Commercial-fireheld inactive	41			41
Public Govt	4	1	0	5
Irrigation-Industrial	0	66	0	66
Non-Potable Water other	0	146	0	146
Construction-Bulk Sales	0	22	0	22
Total Active Customers				

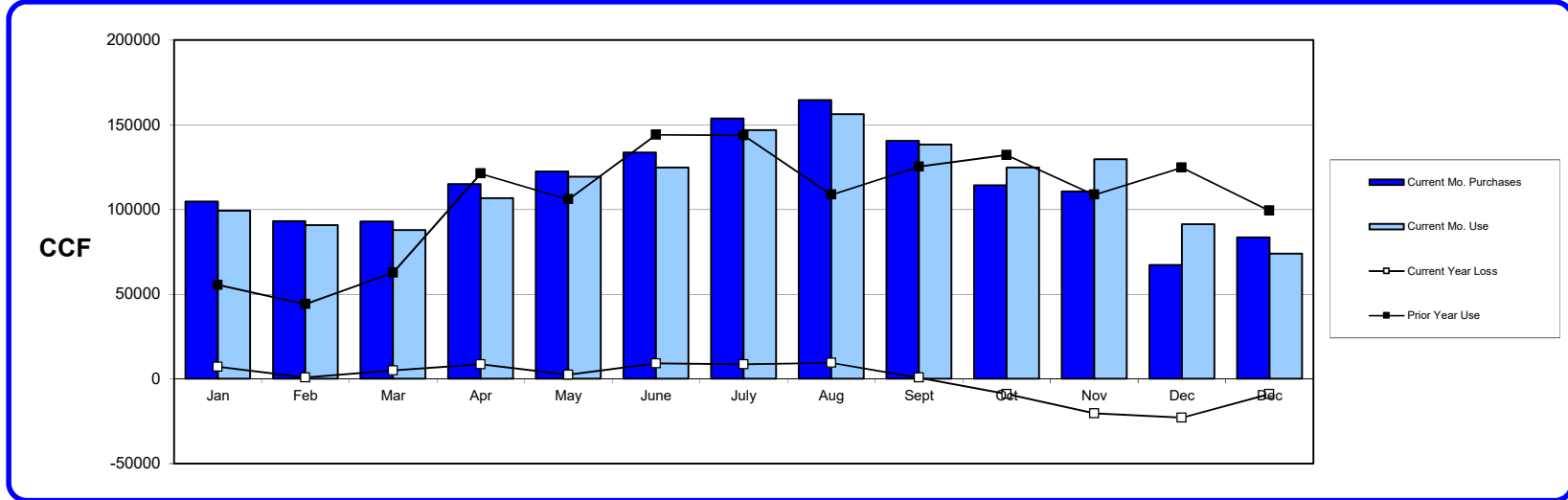
**DELINQUENT REPORT**

Meters Read - Customers Billed	<b>5607</b>	
Received Delinquent Notice on current bill	402	7.17%
Turned Off for lack of payment	12	0.21%
Customers turned back on, amount paid	10	0.18%



## WATER USAGE REPORT FOR THIRTEEN MONTHS

	JAN	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	TOTAL
Beg Water Levels	9328	7546	9049	9311	9222	9943	9673	11347	10107	11630	10154	11560	10429	
Ending Water Levels	7546	9049	9311	9222	9943	9673	11347	10107	11630	10154	11560	10429	11083	
Cur Yearly Purchases	104698	92998	92960	115005	122466	133518	153700	164495	140518	114288	110566	67220	83505	1495937
Cur Yr Monthly Use	99305	90737	87771	106589	119302	124735	146815	156286	138302	124684	129569	91254	73902	1489251
Prior Yr Monthly Use	55396	44125	62713	121182	106003	144053	143645	108702	125247	132059	108702	124709	99305	1375841

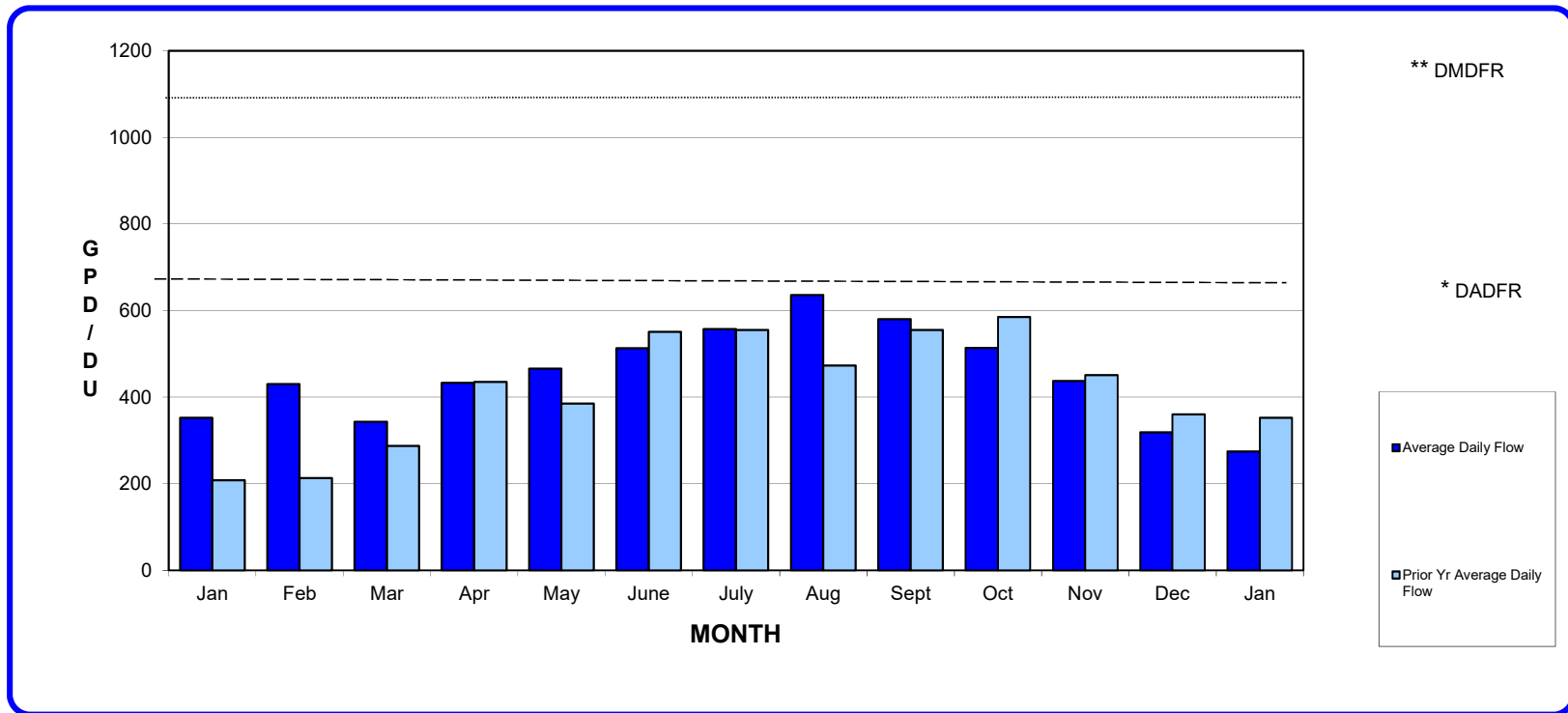


KEY
2016-2017
2017-2018
2018-2019

SUMMARY	CCF
Beginning Water in System	9328 CCF
Water Purchased in last 13 months	1495937 CCF
Water Used in last 13 months	1489251 CCF
Water Remaining in System	11083 CCF
<b>(Loss)/Gain over last 13 months</b>	<b>(4931) CCF</b>
	<b>-0.33%</b>

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

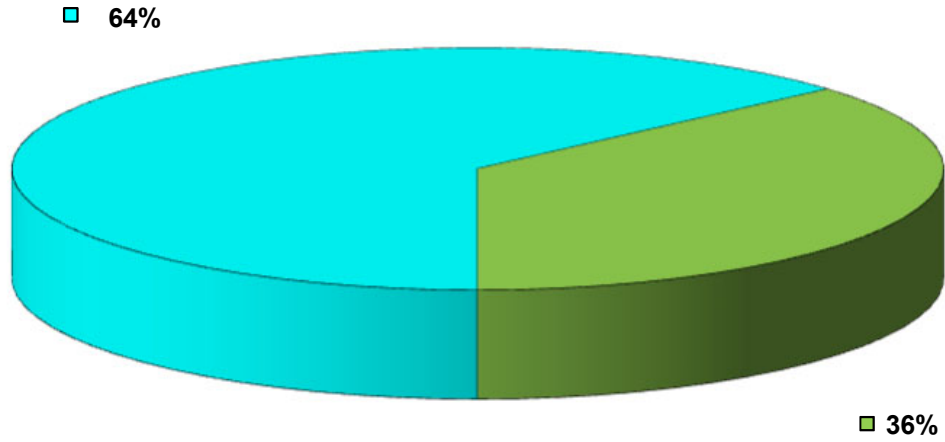
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	YEARLY AVERAGE
Average Daily Flow	352	430	343	433	466	513	557	636	580	514	437	319	274	459
Prior Yr Average Daily Flow	208	213	287	435	385	551	555	473	555	585	451	360	352	434



Key
2016-2017
2017-2018
2018-2019

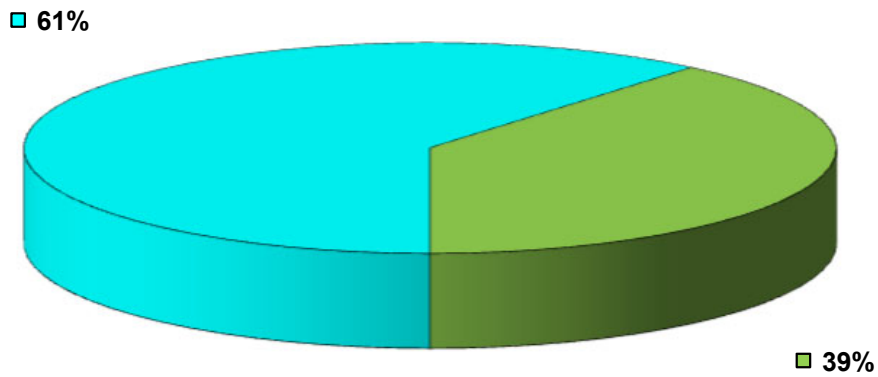
- \* DESIGN AVERAGE DAILY FLOW RATE IN GPD (650)
- \*\* DESIGN MAXIMUM DAILY FLOW RATE IN GPD (1140)

**Temescal Valley Water District  
Volume of Water Sold  
For Seven Months Ending January 31, 2019  
F/Y 2018-2019**



POTABLE NON-POTABLE

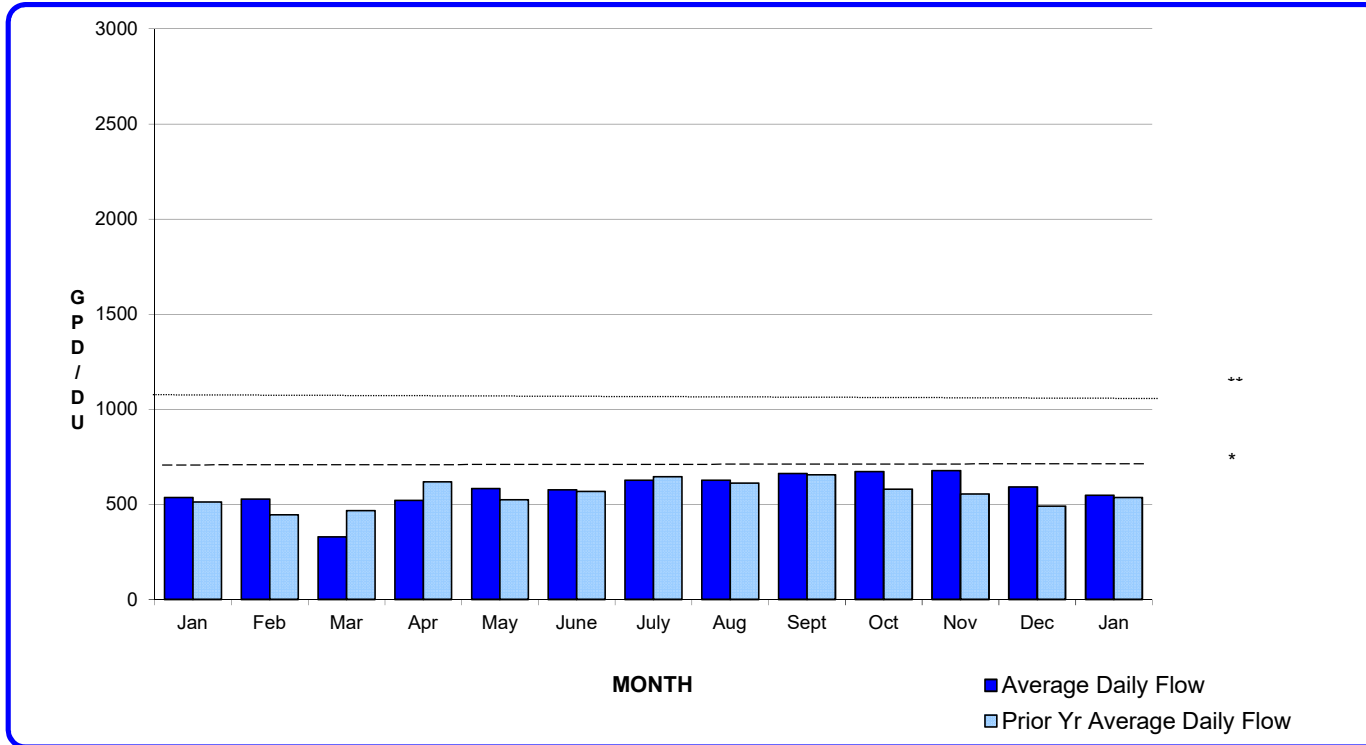
**Temescal Valley Water District  
Water Volume Sold  
For F/Y 2017-2018  
Twelve Months**



POTABLE NON-POTABLE

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

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	YEARLY AVERAGE
Average Daily Flow	536	527	329	521	583	577	627	627	663	673	678	591	548	579
Prior Yr Average Daily Flow	512	445	467	618	525	569	646	612	656	580	555	491	536	957

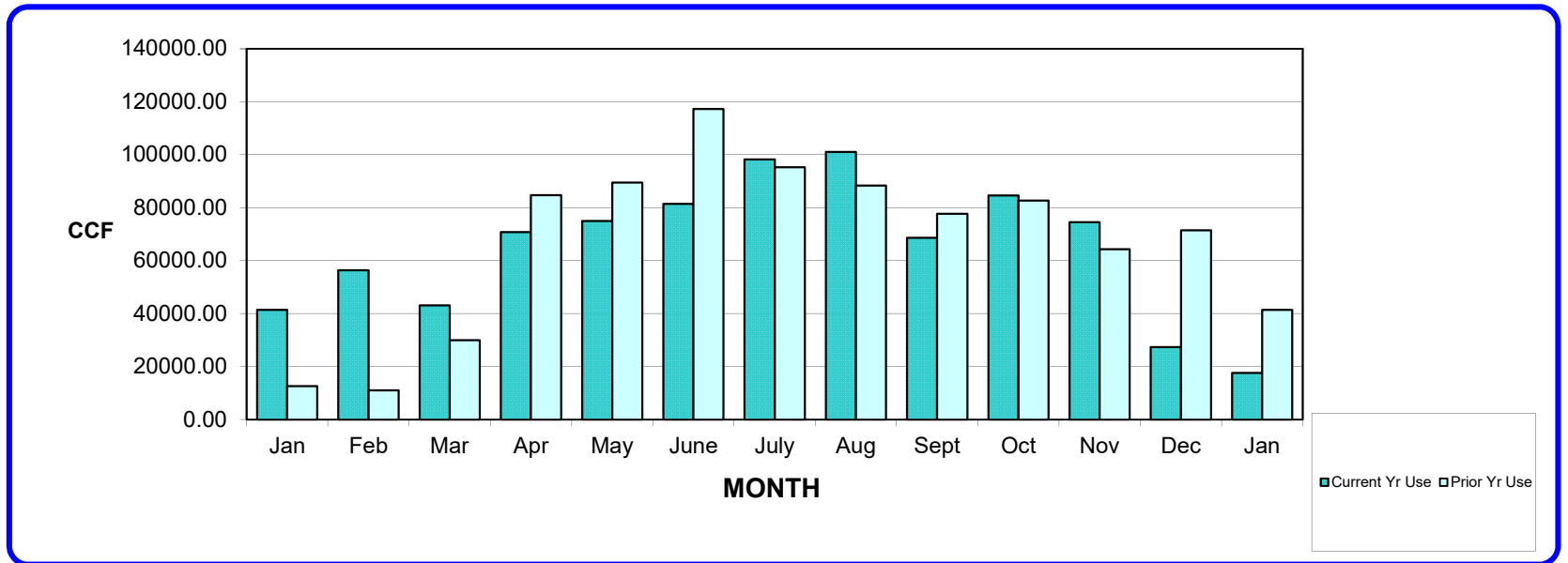


Key
2016-2017
2017-2018
2018-2019

- \* 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)

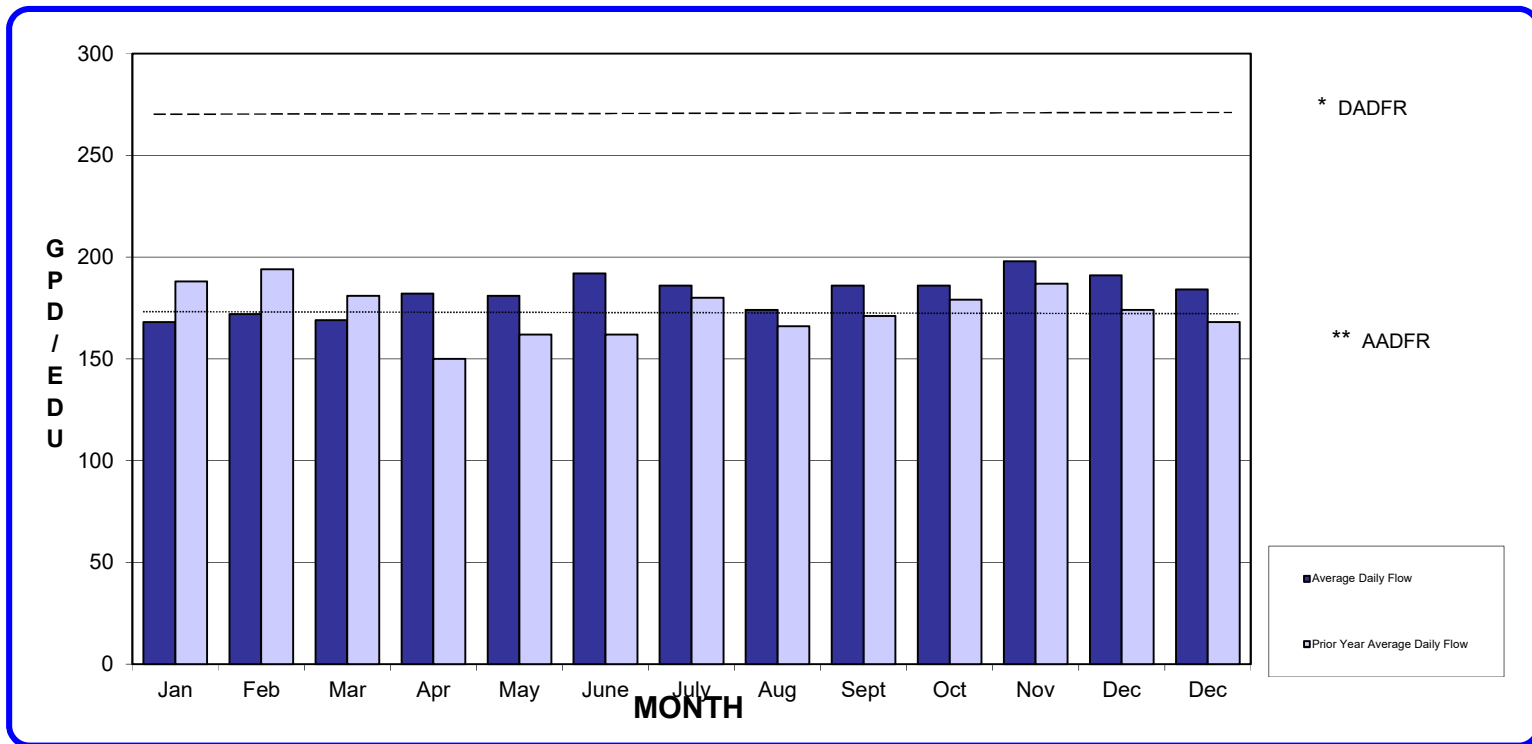
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan
<b>Current Yr Use</b>	41374.89	56321.00	43054.20	70816.32	74999.30	81380.55	98207.89	101012.78	68554.80	84552.12	74461.87	27296.00	17558.51
<b>Prior Yr Use</b>	12663.02	10972.41	29977.05	84766.00	89476.06	117228.16	95220.93	88355.76	77651.75	82662.81	64288.64	71437.89	41374.89
<b>Revenue</b>	\$82,336	\$89,190	\$95,150	\$173,703	\$205,689	\$207,857	\$243,245	\$253,573	\$214,499	\$216,138	\$197,117	\$94,379	\$59,404



Key
2016-2017
2017-2018
2018-2019

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

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Dec	12-Month Average
Average Daily Flow	168	172	169	182	181	192	186	174	186	186	198	191	184	197
Prior Year Average Daily Flow	188	194	181	150	162	162	180	166	171	179	187	174	168	173



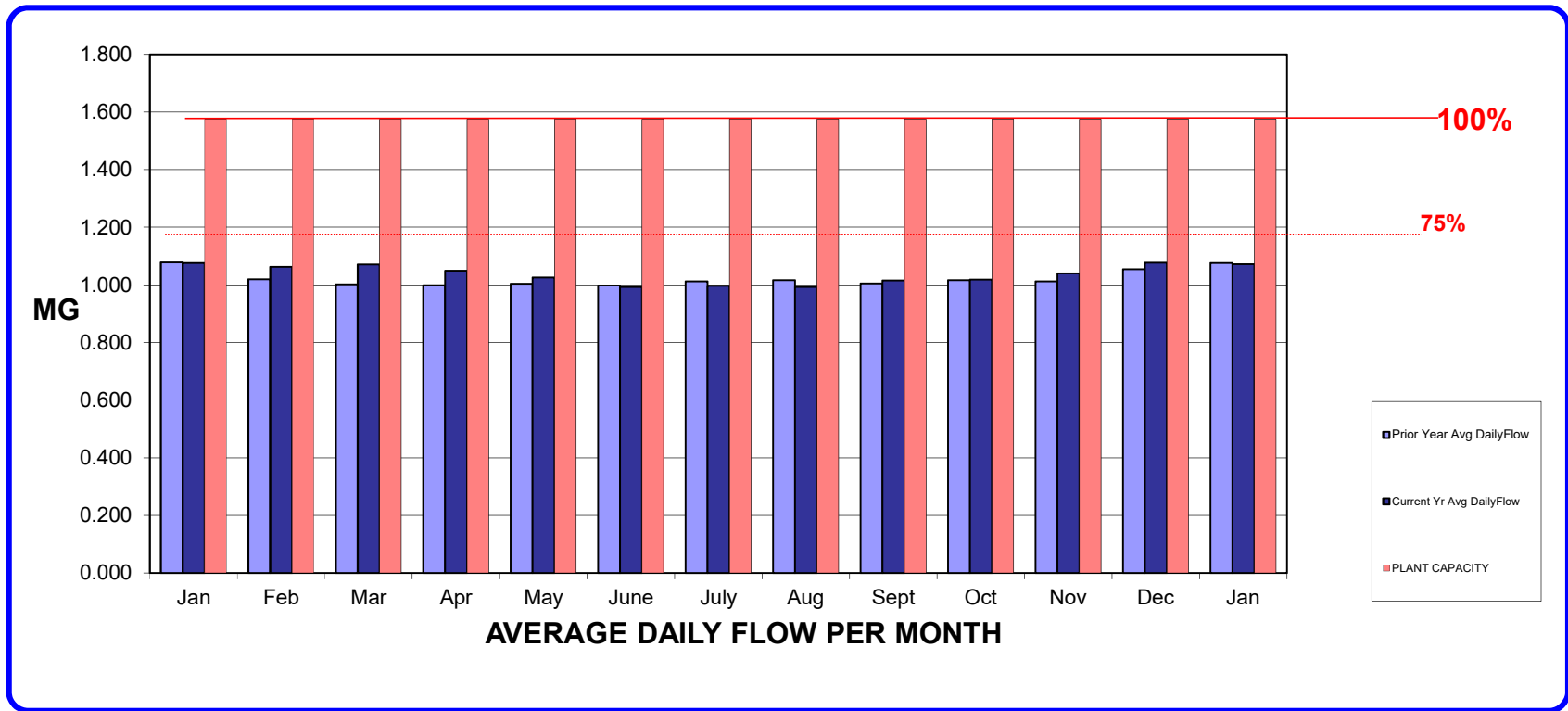
Key
2016-2017
2017-2018
2018-2019

\*\* ACTUAL AVERAGE DAILY FLOW RATE IN GPD

## RECLAMATION PLANT FLOW REPORT AVERAGE DAILY FLOW (Million Gallons)

Key
2016-2017
2017-2018
2018-2019

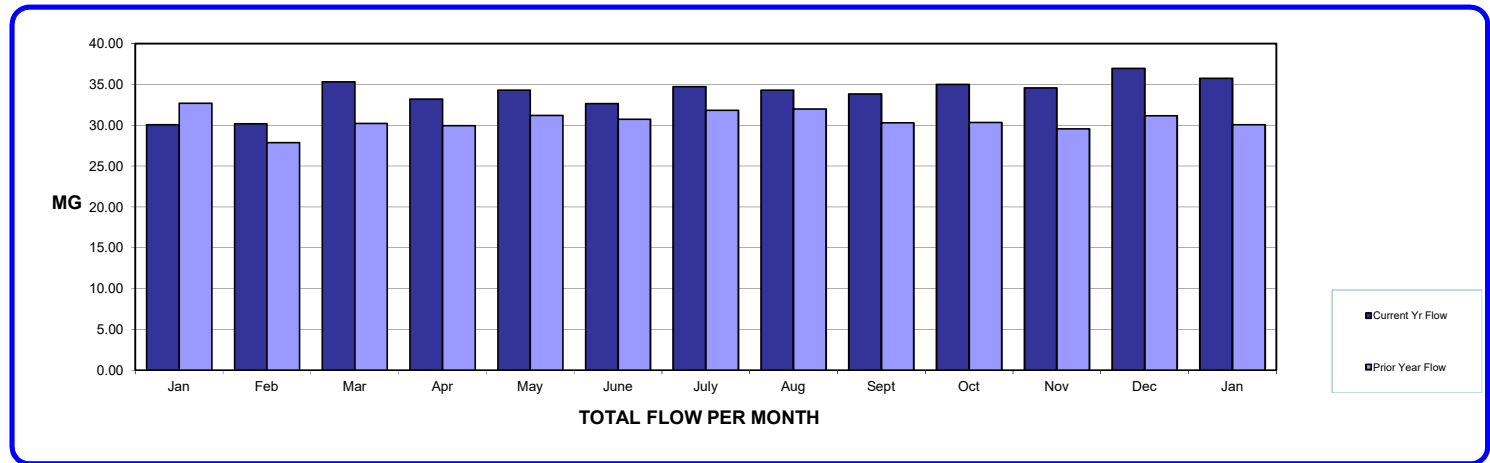
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan
Current Yr Avg DailyFlow	1.0760	1.0620	1.0710	1.0490	1.0250	0.9920	0.9970	0.9920	1.0150	1.0180	1.0400	1.0770	1.0720
Prior Year Avg DailyFlow	1.0780	1.0190	1.0020	0.9990	1.0040	0.9980	1.0120	1.0160	1.0050	1.0160	1.0120	1.0540	1.0760
PLANT CAPACITY	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)

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Total/yr
Current Yr Flow	30.07	30.18	35.31	33.20	34.28	32.67	34.73	34.29	33.84	35.00	34.57	36.98	35.77	410.81
Prior Year Flow	32.68	27.87	30.22	29.95	31.19	30.73	31.84	31.97	30.30	30.32	29.55	31.15	30.07	365.16

Potential Revenue      \$79,986    \$80,279    \$104,341    \$116,793    \$117,052    \$111,554    \$124,060    \$122,488    \$135,269    \$139,906    \$138,187    \$147,820    \$142,984    \$1,480,733



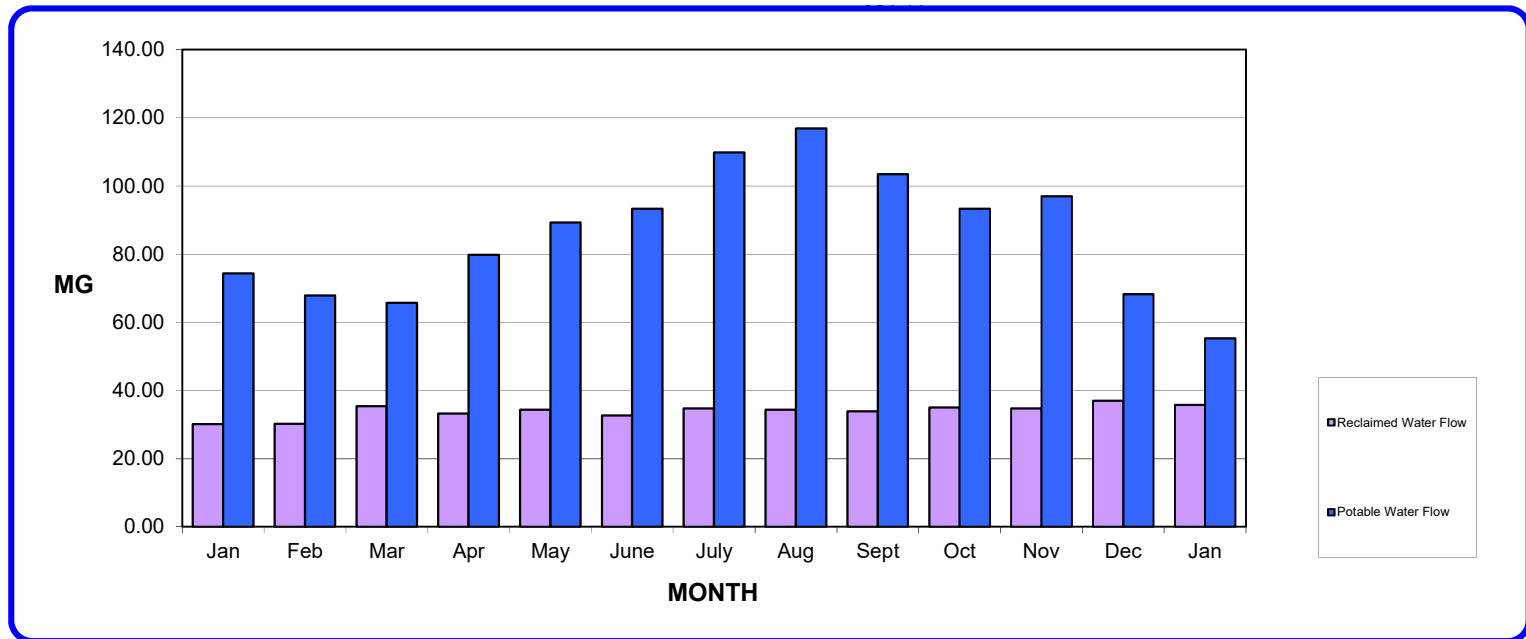
Key
2016-2017
2017-2018
2018-2019

Note - recycled water only



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

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan
<b>No. of Sewer Dwelling Units Connected</b>	5970	5857	5965	5978	6025	6028	6029	6343	6060	6060	6088	6230	6268
<b>Reclaimed Water Flow</b>	30.07	30.19	35.31	33.20	34.28	32.67	34.73	34.29	33.84	35.01	34.67	36.98	35.77
<b>Potable Water Flow</b>	74.28	67.87	65.65	79.73	89.24	93.30	109.82	116.90	103.45	93.26	96.92	68.26	55.28



Month	Wildrose(2)	Montecito(3)	Trilogy(4)	Painted Hills(5)	Syc Crk(6)	Retreat(7)	Terramor(8)	Avg All Resid	AVG	TOTAL		
									IND-BK / IRR (1)	RECYCLED- Inc Retreat Golf	NONPOT- Other	NONPOT-Trilogy Golf
<b>AVG '07-'08</b>	18.1	32.7	15.9	32.2	21.7	37.1	-	25.9	106.6			
<b>AVG '08-'09</b>	24.6	33.8	17.0	33.3	32.6	40.8	-	25.4	53.3			
<b>AVG '09-'10</b>	21.9	30.0	15.8	30.2	26.3	38.0	-	23.0	51.7			
<b>AVG '10-'11</b>	20.6	27.6	15.5	25.8	25.1	35.2	-	22.3	36.0			
<b>AVG '11-'12</b>	21.0	27.9	15.9	27.3	24.7	34.0	-	22.5	82.3			
<b>AVG '12-'13</b>	21.9	31.3	15.6	27.5	23.6	30.5	-	22.9	190.0			
<b>AVG '13-'14</b>	22.5	33.8	16.5	28.2	24.5	30.6	-	23.0	9.8			
<b>AVG '14-'15</b>	20.7	28.4	15.4	26.8	21.9	28.2	-	21.2	62.8			
<b>AVG '15-'16</b>	17.4	21.3	10.6	22.4	16.9	24.3	-	16.5	105.4	38,401.9	4,639.1	18,977.2
<b>AVG '16-'17</b>	18.4	26.4	16.7	24.8	18.5	27.1	26.4	19.4	211.0	46,977.4	8,442.6	16,068.4
<b>AVG '17-'18</b>	18.2	22.9	14.0	25.4	18.4	27.1	16.0	18.8	378.4	48,106.6	4,904.8	16,348.5
Jul-18	25.5	36.9	22.7	37.6	22.8	35.7	16.3	25.9	377.7	66,650.4	5,248.9	26,308.7
Aug-18	26.7	37.2	25.4	39.9	24.1	39.9	17.4	27.9	308.8	64,689.9	7,023.0	29,299.9
Sep-18	24.9	34.2	20.7	37.9	23.6	35.5	13.9	25.4	358.8	61,514.7	7,040.1	18,467.7
Oct-18	23.3	32.0	17.9	32.85	22.0	31.7	13.0	23.8	172.7	58,831.5	8,085.6	17,743.0
Nov-18	24.6	35.4	16.3	31.4	23.3	34.1	14.6	23.7	208.8	53,758.5	4,323.6	15,574.7
Dec-18	17.3	18.2	11.0	21.3	17.8	23.8	11.4	16.8	79.3	19,066.6	3,606.5	5,541.9
Jan-19	14.6	18.4	9.1	19.6	16.0	19.1	12.8	11.8	67.4	13,013.9	1,870.2	2,674.4
Feb-19												
Mar-19												
Apr-19												
May-19												
Jun-19												
<b>AVG '18-'19</b>												

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



February 26, 2019

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 – Discussion have restarted concerning Park Canyon Drive and possible pipeline installation and percolation area near the Sump Well
- Working on Conservation opportunities and RW/NP conversion locations
  - Trilogy HOA – Approved Phase 1 – Meter A \$40,000 Not started
- Working with Land Developers on water and sewer fees for multiple infill projects.
  - Deleo adjacent to Tom's Farms – New buyer requested Capacity fees – Meritage Homes
  - Forest Boundary –Infrastructure is complete – building 3 model homes have been completed
  - Retreat Infill – Kiley Court – Plans signed
  - Temescal Canyon Road at Campbell Ranch Road – Approved by Planning Commission – Developer requested Water and Sewer fee costs – Met with engineering team on design. Developer requesting CFD funding. CFD denied – possible JCFA
  - Kiley Family Trust Property – Tract Map Stage
- Terramor CFD – CFD 4 Bond Sale complete – annexation of additional areas in process
- Terramor Review:
  - RW and Potable Tank –In Construction tank shell complete on the potable tank
- Terramor Onsite Water, Sewer and RW improvements
  - Back Bone Gravity Sewer –Loop finished - In Tract Finished
  - Back Bone Potable Water –Loop finished - In Tract Finished
  - Sewer Lift Station – Accepted into maintained system
- Sycamore Creek:
  - TM 36317 Water Sewer and RW improvement plans – TVWD infrastructure is 90% complete – EDISON to place mete for new booster this week.
- WRF Secondary Percolation:
  - Grading of site –Finished – in operation – one last overflow pipe needed
  - Storm drain relocation/repair – Finished

Temescal Valley Water District

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

# MEMORANDUM

DATE: February 26, 2019  
TO: Board of Directors  
Temescal Valley Water District  
FROM: General Manager  
SUBJECT: Sycamore Creek Potable Water Tank Exterior Coating – Payment Request 1

## **BACKGROUND**

The District approved the recoating of the Sycamore Creek Potable Tank in the amount of \$107,886, which includes coating and inspection services..

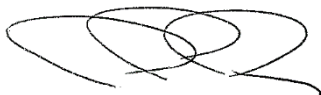
The tank has been coated, inspected and final touch up is happening this month. This is a progress billing in the amount of \$73,534.75

## **RECOMMENDATION**

It is recommended that the Board of Directors:

1. Authorize the payment of \$73,534.75.

Respectfully submitted,



Jeff Pape  
General Manager

TRB Coating & Construction

# Invoice

PO Box 82276  
 Bakersfield CA 93380  
 (661) 587-2691

Date	Invoice #
1/30/2019	C19-01-004

P.O. 3200

Bill To
Temescal Valley Water District 22646 Temescal Canyon Rd. Temescal Valley, CA 92883

Ship To

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
DIR#269958			1/30/2019			18-048 Sycamore Creek Tank ...

Quantity	Item Code	Description	Price Each	Amount
1	Coating & Constru...	Line 1. General Requirements	5,100.00	5,100.00
1	Coating & Constru...	Line 3. Overcoat Exterior	72,305.00	72,305.00
1	Coating & Constru...	Less 5% Retention	-3,870.25	-3,870.25

61004.4

**Approval For Payment**

Amt: \$ 73,534.75

Acct: Cy Date: 2/12/19

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

GM: [Signature] Date: \_\_\_\_\_



**Total** \$73,534.75

# MEMORANDUM

DATE: February 21, 2019

TO: Board of Directors  
Temescal Valley Water District

FROM: General Manager

SUBJECT: 2019 Rate Adjustments per 2016 Rate Study and 2017 Five Year Rate adoption

## BACKGROUND

Per the recommendations of the 2016 Raftelis Water, Wastewater and Recycled Water Financial Plan and Rate Study, the District held a Public Hearing on January 24, 2017 and subsequently adopted a five-year rate adjustment plan. This plan includes provision for the adjustment of Potable Water and Recycled/Non-potable Water Fixed Meter Charges, WMWD Readiness to Serve (RTS) charges, WMWD Capacity Charges, Potable Water and Recycled/Non-Potable Water Commodity Charges and Pumping Charges. The five-year schedule of charges was detailed in the attached Notice sent to all District customers.

On January 18, 2019 the Finance Committee met with Raftelis to discuss the 2018 interactive and updated financial plan and review if the District is meeting the financial goals of our five-year plan. The previously adopted and noticed, five-year rate adjustment, was reviewed at that time and recommendations were discussed for Board adoption. With the proposed changes in the charges, the average Residential customer using 18 units of water will see their bill increase by \$3.69/month. The following charges are recommended for adjustment:

<u>CHARGE TYPE</u>	<u>CURRENT RATE</u>	<u>2019 NOTICED</u>	<u>2019 PROPOSED</u>
1. Potable, Recycled/Non-Potable Base Fixed Rate	\$19.79	\$21.51	\$21.51
2. WMWD (RTS) (Pass Through)	\$2.36	\$2.27	\$1.80
3. Potable Commodity Rates (Commodity increase - \$34.85 per ACFT or \$0.08 per CCF)			
a. Tier 1	\$2.64	\$2.80	\$2.72
b. Tier 2	\$2.98	\$3.17	\$3.06
c. Tier 3	\$3.28	\$3.50	\$3.36
d. Non-Residential/Commercial	\$2.88	\$3.06	\$2.96
e. Irrigation	\$3.03	\$3.22	\$3.11
f. Recycled/Non-Potable	\$2.21	\$2.30	\$2.30
4. Pumping Rates			
a. Zone A	\$0.00	\$0.00	\$0.00
b. Zone B	\$0.18	\$0.19	\$0.19
c. Zone C	\$0.19	\$0.20	\$0.20
d. Zone D	\$0.23	\$0.25	\$0.25
e. Zone E	\$0.28	\$0.30	\$0.30
5. Sewer Service Charges	\$36.36	\$37.45	\$37.45

## RECOMMENDATION

Approve proposed rates and send notice to customers on the pass through charges of the new rates on April 1, 2019.

Respectfully submitted,

Jeff Pape  
General Manager



*Established in 1965*

**TEMESCAL VALLEY WATER DISTRICT  
NOTICE OF PUBLIC HEARING  
ON  
PROPOSED ADJUSTMENTS TO POTABLE WATER, SEWER TREATMENT AND  
RECYCLED/NON-POTABLE WATER SERVICE CHARGES**

The Temescal Valley Water District (District) will conduct a public hearing at its offices at 22646 Temescal Canyon Road, Temescal Valley, CA 92883 on January 24, 2017 at 8:30 a.m., to consider adjustments to its water meter charges, potable water and recycled/non-potable commodity charges, pumping charges and its sewer service charges. At the public hearing, the District will also consider annual adjustments to these rates each year through 2021, as well as passing through wholesale water costs charged by agencies from which the District purchases potable and recycled water. The purpose of this notice is to provide you background information regarding the proposed rate adjustments, as well as an opportunity to provide comments on and submit a written protest against the proposed rates. The District provides potable water, recycled/non-potable water and sewer treatment services to properties located within the District's boundaries. The District collects monthly service charges to cover the cost of operating, maintaining and making capital replacements to its potable water, recycled/non-potable and sewer treatment and collection systems.

The District has hired Raftelis Financial Consultants, Inc., to prepare a 2016 Water, Wastewater and Recycled Water Financial Plan and Rate Study (the "Rate Study"). A copy of the Rate Study is on the District's Web Site and at the District office for public review. Based on the findings and recommendations of the Rate Study and direction by the District's Board of Directors, the District is proposing to annually adjust its potable water, recycled/non-potable water and sewer service charges through the water year ending (WYE) December 30, 2021 to allow the District to (a) fully meet known and budgeted operating, maintenance, and capital replacement costs, (b) build and maintain adequate reserves, (c) meet expected future costs, and (d) equitably allocate those costs among the District's potable water, recycled/non-potable water and sewer customers and ensure that the amount of each fee will not exceed the proportionate cost to provide that service to each parcel or customer.

**How the Rates for the District's Water Service Fees Are Calculated**

The District's water service fees are structured to proportionally allocate the cost of providing water service among its customer classes and are billed on a monthly basis. The proposed rates are for (a) potable customers, which includes single-family residential customers, non-residential customers and irrigation customers not connected to the recycled system as well as (b) recycled/non-potable customers. Customer classes are further defined in the District's Rules and Regulations which is available at the District's Administration Office. The rate structure for the District's water service fees has two components: (1) a fixed meter charge and (2) a variable commodity charge. The meter charge applies to all water customers, and is established on the basis of the size of the water meter serving a property (in inches) and is calculated to recover a significant portion of the District's administrative fixed costs, such as billing, management, collections, customer service and a portion of capital costs. The potable water commodity charges, the recycled/non-potable commodity charges, and pumping charges for each type of water service, are determined on the basis of the amount of water delivered to a property in units, with one unit equal to one hundred cubic feet (ccf) or 748 gallons, and are calculated to recover the remaining portion of the District's fixed costs that are not covered by the meter charge, and the cost of water supply, operation and maintenance, capital projects and reserves.



## POTABLE WATER and RECYCLED/NON-POTABLE BASE FIXED METER CHARGES

The District is proposing to adjust its water fixed meter charges on February 1, 2017, and to increase the adjusted meter charges on January 1 of each year thereafter, continuing until January 1, 2021, to reflect projected future fixed cost increases as shown in the rate study and in the tables below. The District is also proposing to modify the existing tiered structure for water variable commodity charges. The revised rate structure for water service will allow the District to recover the actual cost of providing water service to District customers. The District has experienced increased costs and reduced revenues that do not cover the cost of the water service due to the reduction in water production resulting from drought conditions and associated water conservation. The proposed water rate adjustments also provide for automatic pass-through wholesale water costs charged to the District by Western Municipal Water District (WMWD) - our wholesale water supplier.

### Proposed Monthly Base Fixed Meter Charges for Potable and Recycled/Non-potable

Meter Size	2017 Proposed Base Fixed Charge	2018 Proposed Base Fixed Charge	2019 Proposed Base Fixed Charge	2020 Proposed Base Fixed Charge	2021 Proposed Base Fixed Charge
<b>Residential</b>	\$19.69	\$20.58	\$21.51	\$22.48	\$23.50
5/8"	\$19.69	\$20.58	\$21.51	\$22.48	\$23.50
3/4"	\$26.47	\$27.67	\$28.92	\$30.23	\$31.60
1"	\$40.03	\$41.84	\$43.73	\$45.70	\$47.76
1 1/2"	\$73.93	\$77.26	\$80.74	\$84.38	\$88.18
2"	\$114.61	\$119.77	\$125.16	\$130.80	\$136.69
3"	\$243.43	\$254.39	\$265.84	\$277.81	\$290.32
4"	\$433.27	\$452.77	\$473.15	\$494.45	\$516.71
6"	\$887.53	\$927.47	\$969.21	\$1,012.83	\$1,058.41
8"	\$1,904.53	\$1,990.24	\$2,079.81	\$2,173.41	\$2,271.22
10"	\$2,853.73	\$2,982.15	\$3,116.35	\$3,256.59	\$3,403.14

This base fixed charge includes three components:  
Customer Service, Meter Capacity and Western Municipal Water District Capacity Charge

### Service Charge Pass-Through Adjustments

The District anticipates that WMWD will increase the rates for wholesale water that it sells and delivers to the District and may increase or decrease the Readiness to Serve (RTS) costs or impose other charges on the District related to its wholesale water service. In the financial plan, the District included projected increases in these costs as part of its five-year financial projection, but the actual adjustment will be determined at the point in time when WMWD makes any adjustments. To ensure that there are sufficient revenues to provide water services, the District is proposing to annually pass through to its customers any increases in the rates for wholesale water and any other charges that the WMWD imposes on the district (each a WMWD pass-through adjustment). Any WMWD pass-through adjustment will impact the rates of the commodity charges for all potable customer classes, including potable, multi-family, non-residential, and irrigation customers as well as non-potable customers when potable water is used as a supplemental supply. If approved, the District's Board of Directors may implement any WMWD pass-through adjustment whenever WMWD imposes it within the five-year period commencing January 1, 2018. Provided, however, that (1) in no event shall such rates be increased by more than the cost of the WMWD wholesale water cost charged to the District; and (2) the District shall provide all customers at least 30 days' written notice prior to implementing any WMWD pass-through adjustment.

<b>Proposed 2017 Readiness to Serve Pass-through Charge for all Meter Sizes = \$2.27</b>
--



## Proposed 2017 Monthly Meter Service Charge with WMWD RTS Pass-through

Meter Size	Capacity Ratio	Customer Service	Meter Capacity	WMWD Capacity	2017 Proposed Base Fixed Charge	WMWD RTS Pass-Through	FY 2017 Proposed Monthly Service Charge (\$ / Meter)
<b>Residential</b>	1.00	\$6.13	\$12.71	\$0.85	\$19.69	\$2.27	<b>\$21.96</b>
5/8"	1.00	\$6.13	\$12.71	\$0.85	\$19.69	\$2.27	<b>\$21.96</b>
3/4"	1.50	\$6.13	\$19.07	\$1.28	\$26.47	\$2.27	<b>\$28.74</b>
1"	2.50	\$6.13	\$31.78	\$2.13	\$40.03	\$2.27	<b>\$42.30</b>
1 1/2"	5.00	\$6.13	\$63.55	\$4.25	\$73.93	\$2.27	<b>\$76.20</b>
2"	8.00	\$6.13	\$101.68	\$6.80	\$114.61	\$2.27	<b>\$116.88</b>
3"	17.50	\$6.13	\$222.43	\$14.88	\$243.43	\$2.27	<b>\$245.70</b>
4"	31.50	\$6.13	\$400.37	\$26.78	\$433.27	\$2.27	<b>\$435.54</b>
6"	65.00	\$6.13	\$826.15	\$55.25	\$887.53	\$2.27	<b>\$889.80</b>
8"	140.00	\$6.13	\$1,779.40	\$119.00	\$1,904.53	\$2.27	<b>\$1,906.80</b>
10"	210.00	\$6.13	\$2,669.10	\$178.50	\$2,853.73	\$2.27	<b>\$2,856.00</b>

## Potable Water Commodity Rate Structure and Zone Pumping Rates

The District is also proposing to modify the existing 5-Tier structure for water commodity charges to a 3-Tier model. The revised rate structure will allow the District to increase the amount of water in Tier 1 – the lowest rate tier – to cover the actual cost of providing inside household water use. Tier 2 covers the costs of water service without additional capital facilities or programs needed to mitigate the effects of increased water demands. Tier 3 covers the cost of additional facilities and programs to mitigate customer water usage above the Tier 1 and 2 level, as that level of water delivery cannot reliably be met with existing facilities and programs. The District is proposing to adjust its commodity charges on February 1, 2017, and to increase the adjusted charges on January 1 of each year thereafter continuing until January 1, 2021, as shown in the tables below, to reflect projected future fixed cost increases as shown in the rate study.

Customer Classes	Tier Width	2017 Proposed Commodity Rates	2018 Proposed Commodity Rates	2019 Proposed Commodity Rates	2020 Proposed Commodity Rates	2021 Proposed Commodity Rates
<b>Commodity Rates</b>						
<b>Residential</b>						
Tier 1	(0-7 ccf)	\$2.55	\$2.67	\$2.80	\$2.93	\$3.07
Tier 2	(8-18 ccf)	\$2.89	\$3.03	\$3.17	\$3.32	\$3.47
Tier 3	(19 ccf & Above)	\$3.19	\$3.34	\$3.50	\$3.66	\$3.83
<b>Non-Residential</b>	Uniform	\$2.79	\$2.92	\$3.06	\$3.20	\$3.35
<b>Irrigation</b>	Uniform	\$2.94	\$3.08	\$3.22	\$3.37	\$3.53
<b>Pumping Rates</b>						
Zone A	Per ccf	-	-	-	-	-
Zone B	Per ccf	\$0.17	\$0.18	\$0.19	\$0.20	\$0.21
Zone C	Per ccf	\$0.18	\$0.19	\$0.20	\$0.21	\$0.22
Zone D	Per ccf	\$0.22	\$0.23	\$0.25	\$0.27	\$0.29
Zone E	Per ccf	\$0.26	\$0.28	\$0.30	\$0.32	\$0.34

## Recycled and Non-Potable Commodity and Pumping Rates

The District is proposing to adjust its commodity charges on February 1, 2017, and to increase the charges on January 1 of each year thereafter continuing until January 1, 2021, as shown in the tables below, to reflect projected future fixed cost increases as shown in the rate study. The District proposes to maintain a uniform commodity rate structure for recycled/non-potable customers, however, it is proposed that a pass-through provision be included in the rates. Under this approach, in instances where recycled/non-potable demand is greater than available recycled water supply or the well field is depleted or restricted due to drought or other causes and the District supplements potable water from WMWD into the recycled/non-potable system, the incremental cost incurred by the District would increase the commodity rate to \$2.44 for Calendar Year 2017. This increase in rate would be passed-through to the recycled customers to ensure that there are sufficient revenues to provide our services. The District is proposing this pass-through to its customers on a Month-to-Month basis and any cost incurred for the purchase of wholesale water and any other charges that are imposed on the District (each as pass-through adjustments) shall be added to the then existing commodity rate. Any pass-through adjustment will impact the rates of the commodity charges for all recycled/non-potable customers set forth in the table below. If approved, the District's Board of Directors may implement any pass-through adjustment at any time for the five-year period commencing January 1, 2017 when it determines that insufficient recycled water or non-potable water is available to meet customer needs. Provided, however, that (1) any increase in the rates for the commodity charges described above as a result of any pass-through adjustment shall not exceed the actual wholesale cost of the supplemental water; (2) in no event shall such rates be increased by more than the cost of providing water service; and (3) the District shall provide all customers at least 30 days' written notice prior to implementing any pass-through adjustment.

### PROPOSED RECYCLED COMMODITY RATE

Per ccf

	2017 Proposed Commodity Rates	2018 Proposed Commodity Rates	2019 Proposed Commodity Rates	2020 Proposed Commodity Rates	2021 Proposed Commodity Rates
<b>Recycled and Non-Potable Uniform Rate</b>	\$1.99	\$2.21	\$2.30	\$2.39	\$2.49

### PROPOSED PUMPING RATES

Per ccf

Elevation Zone	2017 Proposed Pumping Rates	2018 Proposed Pumping Rates	2019 Proposed Pumping Rates	2020 Proposed Pumping Rates	2021 Proposed Pumping Rates
<b>Zone A</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Zone B</b>	\$0.17	\$0.18	\$0.19	\$0.20	\$0.21
<b>Zone C</b>	\$0.18	\$0.19	\$0.20	\$0.21	\$0.22
<b>Zone D</b>	\$0.22	\$0.23	\$0.25	\$0.27	\$0.29
<b>Zone E</b>	\$0.26	\$0.28	\$0.30	\$0.32	\$0.34

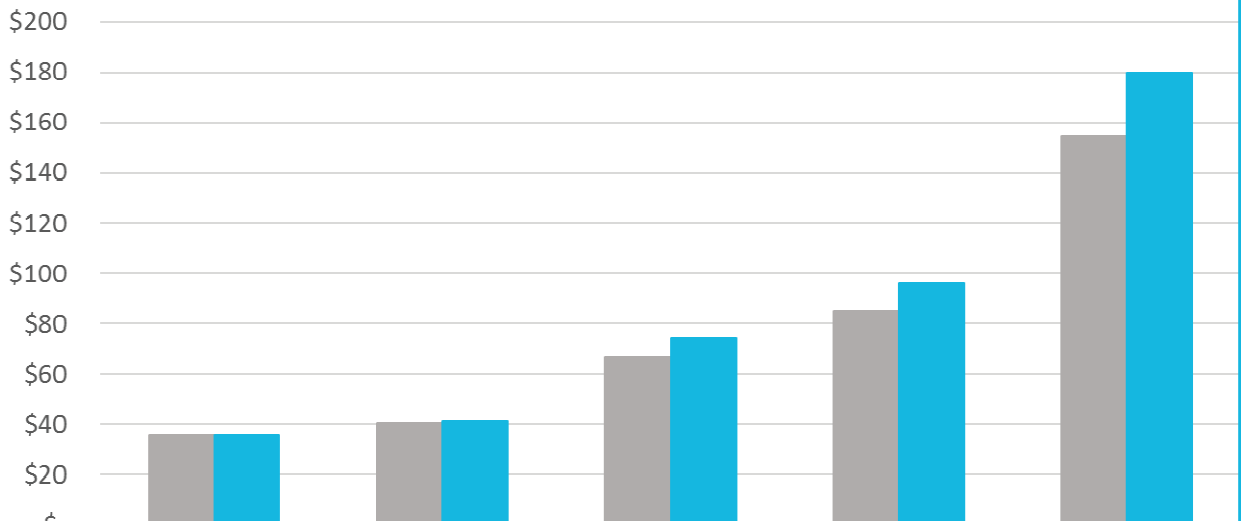
## 2017 Sample Monthly Service Fee Impact for Single Family Residential Home in Pumping Zone B

Includes Meter Service Charge, Water Commodity and Pumping Charge

### *18 ccf Example*

Meter Service Charge = \$21.96  
18 Units (ccf) of Water = \$49.64  
18 Units (ccf) Pumping Charge = \$3.06

### Sample Residential Bills at Different Usage Levels - 5/8" meter



	5 ccf	7 ccf	18 ccf	25 ccf	50 ccf
Current Bill	\$35.70	\$40.46	\$66.64	\$85.25	\$154.50
Proposed Bill	\$35.56	\$41.00	\$74.66	\$96.08	\$180.08
Impact \$	-\$0.14	\$0.54	\$8.02	\$10.83	\$25.58

## SEWER SERVICE CHARGES

The District is proposing to **NOT** change the structure of the Sewer Service Charge (SSC) for calendar year 2017 and only index the SSC to the lesser of 3.0% or the LA-Riverside-Orange County Consumer Price Index increase for the prior year commencing on January 1, 2018 and continuing through 2021. These projected future fixed cost increases are shown in the rate study and in the tables below.

	2017 Proposed Commodity Rates	2018 Proposed Maximum Commodity Rates	2019 Proposed Maximum Commodity Rates	2020 Proposed Maximum Commodity Rates	2021 Proposed Maximum Commodity Rates
<b>SEWER SERVICE CHARGE per EDU</b>	\$35.30	\$36.36	\$37.45	\$38.57	\$39.72



### **Public Hearing**

Any record owner of a parcel upon which water and sewer fees are proposed for imposition, or any tenant directly responsible for the payment of water service fees (i.e., a customer of record who is not a property owner) may submit a written protest of the proposed rate increases and pass-through adjustments; however, only one written protest will be counted per identified parcel. Any protest must: (1) be in writing; (2) state that the identified property owner or tenant is opposed to the proposed water rate increases and pass-through adjustments; (3) provide the location of the identified parcel (by street address or assessor's parcel number); and (4) include the name and signature of the property owner or tenant submitting the written protest.

Written protests may be submitted by U.S. mail or in person to 22646 Temescal Canyon Road, Temescal Valley, CA 92883, or at the public hearing to be held at the District Office at 8:30 a.m. on January 24, 2017. To be counted, all written protests must be received prior to the conclusion of the public comment portion of the public hearing. Any protest submitted via e-mail or other electronic means will not be accepted as a qualified formal protest, unless it is a scanned copy of a protest letter containing the signature of the author of such letter. Please identify on the front of the envelope, whether mailed or submitted in person, Attn: Board Secretary - Public Hearing on Proposed Service Fee Increases.

The District's Board of Directors will hear public comments and consider the written protests regarding the rate increases to the District's potable water, recycled/non-potable water and sewer treatment services fees at the public hearing. Oral comments at the public hearing will not qualify as formal protests unless accompanied by a proper, written protest. Upon the conclusion of the public hearing, the board of directors will consider adoption of the increases in the rates for service fees and the pass-through adjustments as described in this notice. If a majority of the affected property owners and tenants timely file written protests, the proposed increases will not be imposed.

### **Timing of Service Fee Increases**

As previously noted, if adopted, the rates described in this notice will be in effect and applied to services provided on and after February 1, 2017, January 1, 2018, January 1, 2019, January 1, 2020 and January 1, 2021 respectively. Service fee increases related to the District's costs that are included in the proposed rates are the maximum that may be implemented without the District providing additional notification to property owners and customers.

If you have any questions regarding this notice, your customer classification, or the impact the proposed rate increases may have on your service fees, please contact the District at (951) 277-1414 or visit our website at [www.Temescalvwd.com](http://www.Temescalvwd.com).

**Western Municipal Water District**

**Jul to Dec 2018 Only**

**Readiness-to-Serve (RTS) Charge and Standby Charge Revenue Allocation - Fiscal Year 2019**

Updated April 10, 2018

RTS Charge is a calendar year charge, and for CY 2018 it is based on the TYRA of full svc deliveries for FY 07-16. Standby Charge revenue is a fiscal year revenue.

Agency	Ten Year Average (AF) Full Service FY 07 - FY 16	Percent of Total	RTS Charge Sec. Half of CY 18	Standby Charge Revenue FY 19	Half of the Standby Charge Revenue FY 19	Difference = Adj. RTS Charge or (Adj RTS Credit)	Allocation of Adj. Credits Based Adj. Charge	Net RTS Charge
City of Corona	16,474.2	22.33%	\$ 682,250	\$ (443,221)	\$ (221,611)	\$ 460,639	\$ (136,903)	\$ 323,736
City of Norco	731.2	0.99%	\$ 30,281	\$ (82,919)	\$ (41,460)	\$ (11,179)	\$ -	\$ -
MWD	4.6	0.01%	\$ 191	\$ -	\$ -	\$ 191	\$ (57)	\$ 134
Elsinore Valley Municipal Water District	18,761.0	25.43%	\$ 776,954	\$ (706,198)	\$ (353,099)	\$ 423,855	\$ (125,970)	\$ 297,885
<b>Temescal Valley Water District</b>	<b>3,107.9</b>	<b>4.21%</b>	<b>\$ 128,708</b>	<b>\$ (85,607)</b>	<b>\$ (42,804)</b>	<b>\$ 85,904</b>	<b>\$ (25,531)</b>	<b>\$ 60,373</b>
Riverside Public Utilities	388.8	0.53%	\$ 16,101	\$ (703,964)	\$ (351,982)	\$ (335,881)	\$ -	\$ -
Rancho California Water District	12,598.5	17.08%	\$ 521,745	\$ (347,485)	\$ (173,743)	\$ 348,002	\$ (103,427)	\$ 244,575
Eagle Valley Mutual Water Company	104.4	0.14%	\$ 4,324	\$ (12,439)	\$ (6,220)	\$ (1,896)	\$ -	\$ -
Western Municipal Water District	21,600.6	29.28%	\$ 894,550	\$ (579,959)	\$ (289,976)	\$ 604,574	\$ (179,680)	\$ 424,894
Jurupa Community Services District			\$ -	\$ (349,945)	\$ (174,973)	\$ (174,973)	\$ -	\$ -
Rubidoux Community Services District			\$ -	\$ (74,264)	\$ (37,132)	\$ (37,132)	\$ -	\$ -
Santa Ana River Water Company			\$ -	\$ (21,013)	\$ (10,507)	\$ (10,507)	\$ -	\$ -
<b>Total</b>	<b>73,771.2</b>	<b>100.00%</b>	<b>\$ 3,055,104</b>	<b>\$ (3,407,014)</b>	<b>\$ (1,703,507)</b>	<b>\$ 1,351,597</b>	<b>\$ (571,568)</b>	<b>\$ 1,351,597</b>
			\$ 3,055,104	\$ (3,407,014)	\$ (1,703,507)		\$ (571,568)	\$ 1,351,597



Western Municipal Water District

Jan - Jun 2019 Only

Readiness-to-Serve (RTS) Charge and Standby Charge Revenue Allocation - Fiscal Year 2019

Updated April 10, 2018

USED 5350 HOMES

RTS Charge is a calendar year charge, and for CY 2019 it is based on the TYRA of full svc deliveries for FY 08-17. Standby Charge revenue is a fiscal year revenue.

Agency	Ten Year Average (AF) Full Service FY 08 - FY 17	Percent of Total	RTS Charge First Half of CY 19	Standby Charge Revenue FY 19	Half of the Standby Charge Revenue FY 19	Difference = Adj. RTS Charge or (Adj RTS Credit)	Allocation of Adj. Credits Based Adj. Charge	Net RTS Charge
City of Corona	15,846.2	22.25%	\$ 649,153	\$ (443,221)	\$ (221,611)	\$ 427,542	\$ (139,220)	\$ 288,322
City of Norco	596.6	0.84%	\$ 24,440	\$ (82,919)	\$ (41,460)	\$ (17,020)	\$ -	\$ -
MWD	4.2	0.01%	\$ 172	\$ -	\$ -	\$ 172	\$ (56)	\$ 116
Elsinore Valley Municipal Water District	17,946.6	25.20%	\$ 735,197	\$ (706,198)	\$ (353,099)	\$ 382,098	\$ (124,422)	\$ 257,676
Temescal Valley Water District	3,040.7	4.27%	\$ 124,565	\$ (85,607)	\$ (42,804)	\$ 81,761	\$ (26,624)	\$ 55,137
Riverside Public Utilities	176.2	0.25%	\$ 7,218	\$ (703,964)	\$ (351,982)	\$ (344,764)	\$ -	\$ -
Rancho California Water District	13,609.2	19.11%	\$ 557,512	\$ (347,485)	\$ (173,743)	\$ 383,769	\$ (124,966)	\$ 258,803
Eagle Valley Mutual Water Company	109.5	0.15%	\$ 4,486	\$ (12,439)	\$ (6,220)	\$ (1,734)	\$ -	\$ -
Western Municipal Water District	19,885.7	27.92%	\$ 814,634	\$ (579,959)	\$ (289,976)	\$ 524,658	\$ (170,842)	\$ 353,816
Jurupa Community Services District			\$ -	\$ (349,945)	\$ (174,973)	\$ (174,973)	\$ -	\$ -
Rubidoux Community Services District			\$ -	\$ (74,264)	\$ (37,132)	\$ (37,132)	\$ -	\$ -
Santa Ana River Water Company			\$ -	\$ (21,013)	\$ (10,507)	\$ (10,507)	\$ -	\$ -
<b>Total</b>	<b>71,214.9</b>	<b>100.00%</b>	<b>\$ 2,917,377</b>	<b>\$ (3,407,014)</b>	<b>\$ (1,703,507)</b>	<b>\$ 1,213,870</b>	<b>\$ (586,130)</b>	<b>\$ 1,213,870</b>
	71,214.9		\$ 2,917,377	\$ (3,407,014)	\$ (1,703,507)		\$ (586,130)	

RESOLUTION 3032

RESOLUTION OF THE BOARD OF DIRECTORS  
OF WESTERN MUNICIPAL WATER DISTRICT  
OF RIVERSIDE COUNTY DETERMINING WATER  
RATES AND CHARGES FOR WHOLESALE AGENCIES

WHEREAS, the Metropolitan Water District of Southern California ("MWD") at the April 10, 2018, Board of Directors meeting established water rates to be effective January 1, 2019, as follows:

Tier 1 Supply Rate	\$209 per acre foot
Tier 2 Supply Rate	\$295 per acre foot
System Access Rate	\$326 per acre foot
Water Stewardship Rate	\$ 69 per acre foot
System Power Rate	\$127 per acre foot
Treatment Surcharge	\$319 per acre foot
Capacity Charge	\$8,600 per cfs
Readiness-to-Serve Charge	\$133 million

Note: the Readiness-to-Serve Charge is allocated based on each member agency's ten-year rolling average of firm water demands. Standby Charge revenues will continue to be credited against each MWD member agency's Readiness-to-Serve Charge.

Based on the rates above, the MWD Full Service Untreated Tier 1 and Tier 2 rates are \$731 and \$817 per acre foot, respectively, and the MWD Full Service Treated Tier 1 and Tier 2 rates are \$1,050 and \$1,136 per acre foot, respectively, and;

WHEREAS, the Western Board of Directors at a special Board meeting on October 9, 2002, after receiving input and comments from a majority of Western's wholesale agency customers, adopted a method of passing through MWD charges to user agencies, and;

WHEREAS, the Western Board of Directors at a regular Board meeting on December 3, 2014, authorized a ten-year purchase order with MWD, resulting in an Initial Base Period Demand of 117,537 acre feet for Western, and consequently a Tier 1 Annual Maximum of 105,783 acre feet beginning with calendar year 2015;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Western that, effective July 1, 2018, a charge of \$22.02 per acre foot is hereby added to the cost of water charged by MWD to all of the wholesale agencies to whom water is made available by Western. Such charge will be used by Western in the administration of the supply and delivery of water to wholesale agencies;

BE IT FURTHER RESOLVED that, effective July 1, 2018, a charge of \$14.88 per acre foot is hereby added to the cost of treated water delivered from the Mills Gravity Line to all wholesale agencies to whom water is made available by Western. Such charge will be used by Western to recover the cost of day-to-day maintenance of the Mills Gravity Line.

BE IT FURTHER RESOLVED that all water delivered from MWD to wholesale agencies of Western shall be in accordance with the Administrative Code and the rules, regulations and policies of MWD and Western. The charges for such water deliveries shall be as follows:

(a.) For all MWD water that is not delivered through the Mills Gravity Line.

Rates for Full Service Water Deliveries, Per Acre Foot, effective January 1, 2019:



	<u>Tier 1</u>	<u>Tier 2</u>
Untreated Water Deliveries	\$731.00	\$817.00
Western Administrative Charge	22.02	22.02
Total for Untreated Water Deliveries	<u>\$753.02</u>	<u>\$839.02</u>

	<u>Tier 1</u>	<u>Tier 2</u>
Treated Water Deliveries	\$1,050.00	\$1,136.00
Western Administrative Charge	22.02	22.02
Total for Treated Water Deliveries	<u>\$1,072.02</u>	<u>\$1,158.02</u>

(b.) For all MWD water that is delivered through the Mills Gravity Line.

Rates for Full Service Water Deliveries, Per Acre Foot, effective January 1, 2019:

	<u>Tier 1</u>	<u>Tier 2</u>
Untreated Water Deliveries	\$731.00	\$817.00
Western Administrative Charge	22.02	22.02
Mills Gravity Line Maint. Charge	14.88	14.88
Total for Untreated Water Deliveries	<u>\$767.90</u>	<u>\$853.90</u>
Treated Water Deliveries	\$1,050.00	\$1,136.00
Western Administrative Charge	22.02	22.02
Mills Gravity Line Maint. Charge	14.88	14.88
Total for Treated Water Deliveries	<u>\$1,086.90</u>	<u>\$1,172.90</u>

BE IT FURTHER RESOLVED that the maximum quantity of MWD full service water to be delivered at Tier 1 rates ("Tier 1 Annual Maximum") to each wholesale agency for calendar year 2019 is:

Wholesale Agency	CY 2019 AF
City of Corona	21,110.0
City of Norco	1,223.0
Metropolitan Water District	3.5
Elsinore Valley MWD	21,037.1
Temescal Valley Water District	3,458.5
City of Riverside	1,912.9
Rancho California Water Dist.	27,312.1
Eagle Valley Mutual Water Co.	948.2
Western Retail	28,777.7
Total Acre Feet	105,783.0

The allocation of the Tier 1 Annual Maximum above is set at 90% of each wholesale agency's total MWD deliveries during Fiscal Year 2006-2007, utilizing the same method used by MWD to set Western's Tier 1 Annual Maximum.

All quantities of MWD full service water delivered to a wholesale agency in excess of their Tier 1 Annual Maximum listed above will be charged at the Tier 2 rate. The exception to this is (a) MWD has not assessed Western any Tier 2 charges for the year, or (b) there are agencies listed above that do not use their full Tier 1 Annual Maximum during the calendar year ("unused Tier 1"). In this latter case, the unused Tier 1 will be allocated to each agency that exceeded their Tier 1 Annual Maximum during the calendar year based on the proportion of their excess to the total of all agencies' excess ("unused Tier 1 allocation"). After the allocation of unused Tier 1, if available, any full service water delivered to a wholesale agency in excess of their Tier 1 Annual Maximum plus their unused Tier 1 allocation will be charged at the Tier 2 rate. This is the method used in prior years.

BE IT FURTHER RESOLVED that each wholesale agency will pay the MWD Capacity Charge based on the capacity used on Western's maximum summer day demand placed on the MWD system between May 1 and September 30 for the three-calendar-year period ending December

31, 2017, which was June 21, 2016. The peak demands used for calendar year 2019's calculations are:

Elsinore Valley Municipal Water District	34.1 cfs
City of Corona	39.0 cfs
Rancho California Water District	55.4 cfs
City of Norco	0.0 cfs
Temescal Valley Water District	5.4 cfs
City of Riverside	0.0 cfs
Eagle Valley Mutual Water Company	0.6 cfs
Metropolitan Water District	0.0 cfs
Western Retail	<u>40.9 cfs</u>
Total	<u>175.4 cfs</u>

BE IT FURTHER RESOLVED that effective January 1, 2019, Western's Capacity Charge rate shall be the MWD rate of \$8,600 per cfs. Each wholesale agency will be billed each calendar month an amount equal to the capacity used on the peak demand day multiplied by the Western Capacity Charge rate and divided by twelve as follows:

	<u>Monthly Amount</u>
Elsinore Valley Municipal Water District	\$ 24,438.33
City of Corona	\$ 27,950.00
Rancho California Water District	\$ 39,703.33
City of Norco	\$ 0.00
Temescal Valley Water District	\$ 3,870.00
City of Riverside	\$ 0.00
Eagle Valley Mutual Water Company	\$ 430.00
Metropolitan Water District	\$ 0.00
Western Retail	<u>\$ 29,311.67</u>
Total	<u>\$125,703.33</u>

BE IT FURTHER RESOLVED that effective July 1, 2018, each agency will be billed each calendar month an amount equal to their

share of the MWD net Readiness-to-Serve Charge ("RTS Charge"). The monthly amounts for July through December 2018 and January through June 2019 are as follows:

	Monthly Amount <u>July - Dec 2018</u>	Monthly Amount <u>Jan - June 2019</u>
City of Corona	\$ 53,956.00	\$ 48,053.67
City of Norco	\$ 0.00	\$ 0.00
Metropolitan WD	\$ 22.33	\$ 19.33
Elsinore Valley MWD	\$ 49,647.50	\$ 42,946.00
Temescal Valley WD	\$ 10,062.17	\$ 9,189.50
City of Riverside	\$ 0.00	\$ 0.00
Rancho California WD	\$ 40,762.50	\$ 43,133.83
Eagle Valley MWC	\$ 0.00	\$ 0.00
Western Retail	<u>\$ 70,815.67</u>	<u>\$ 58,969.33</u>
Total	<u>\$ 225,266.17</u>	<u>\$ 202,311.66</u>

The RTS Charge assessed to Western by MWD is allocated to each wholesale agency and to Western's retail customers based on the same method MWD uses to assess it, the ten year rolling average of firm deliveries (for calendar year 2019's allocation, the ten fiscal years are 2007-2008 through 2016-2017). The Standby Charge placed on the County tax rolls by MWD applicable to the parcels within the boundaries of each agency's service area (less an MWD administrative charge and estimated delinquencies) is used as an offset to each agency's share of the RTS Charge, resulting in an "Adjusted RTS Charge / Credit".

For some agencies, netting their RTS Charge with their Standby Charge revenue results in a credit instead of a charge. The sum of credits from these agencies is then allocated to the remaining agencies that have a charge. The allocation of the credits is based on the proportion of each agency's Adjusted RTS Charge to the total Adjusted RTS Charge. The result is a net RTS Charge.

BE IT FURTHER RESOLVED that effective July 1, 2018, each agency will be billed annually to fund a Mills Gravity Line Major Maintenance Reserve ("Maintenance Reserve"). The total amount to be funded will be allocated to each agency based on their proportion of service rights owned in the Mills Gravity Line as follows:

	Total Service <u>Rights</u>	Percent Ownership	10 Years Maintenance <u>Reserve</u>	Maintenance Reserve Annual <u>Funding</u>
City of Corona	61.50	10.89%	\$ 813,248	\$ 81,325
Temescal Valley Water District	87.96	15.57%	\$ 1,163,143	\$ 116,314
City of Riverside	30.00	5.31%	\$ 396,706	\$ 39,671
Metropolitan Water District	17.50	3.10%	\$231,412	\$ 23,141
Western Retail	<u>367.94</u>	<u>65.13%</u>	<u>\$ 4,865,471</u>	<u>\$ 486,547</u>
Total	<u>564.90</u>	<u>100.00%</u>	<u>\$ 7,469,980</u>	<u>\$ 746,998</u>

The Maintenance Reserve was established to fund inspections of the Mills Gravity Line, and to fund major maintenance and repair work necessary to keep the pipeline in good working condition. The Maintenance Reserve dollar amount was established by HDR Engineering, Inc. (HDR), a third-party engineering consultant, who completed a condition assessment of the Mills Gravity Line. A preliminary budget estimated that maintenance expenses over the next 20 years would be \$16.8 million. Western plans to fund the Maintenance Reserve based on the first 10 years of HDR's proposed budget, totaling \$7,469,980.

BE IT FURTHER RESOLVED that invoices for rates and charges shall be issued by the 15th of the month following the month for which service was provided, and invoices which are not paid before the next billing cycle (30 days) shall be subject to interest charges. Interest will be calculated at a rate of one

percent (1%) per month on all amounts that remain unpaid at each billing cycle. The minimum amount of an invoice will be twenty-five dollars (\$25.00) per water connection, with the minimum amount charged even if there are no water deliveries.

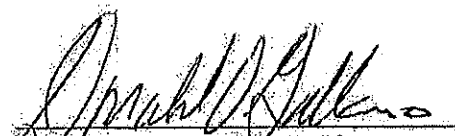
BE IT FURTHER RESOLVED that this resolution will be effective upon adoption, with the effective dates of various rates and charges described herein, and shall supersede Resolution 2995 of the Board of Directors of Western.

ADOPTED this 20th day of June, 2018

  
BRENDA DENNSTEDT  
President

June 20, 2018

I HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution 3032 adopted by the Board of Directors of Western Municipal Water District of Riverside County at its regular meeting held June 20, 2018.

  
DONALD D. GALLEANO  
Secretary-Treasurer

# MEMORANDUM

DATE: February 26, 2019  
TO: Board of Directors  
Temescal Valley Water District  
FROM: General Manager  
SUBJECT: TVWD WRF EXPANSION Update and CM Proposal

## **BACKGROUND**

As you are aware, the District and Terramor Development are partnering in the final expansion of the WRF from 1.57 mgd to 2.25 mgd. The cost sharing for the project is District 1/3 cost and Terramor 2/3 cost. As part of the multi-year process the District and Terramor have committed to the following:

**District:** WRF MND, Pre-purchase and install new 800KW generator, Pre-Purchase and install new SBR Controls and Bid, Bid, Contract and provide Construction Management of the new facilities.

**Terramor:** Contract for the design of the improvements.

All costs for the WRF expansion will be divided per the 1/3, 2/3 cost split.

We will have approved plans ready for bid by the end of February and need a Construction Management Firm to provide Bidding, CM and DIR compliance services during the 13 months of construction.

Attached is a proposal of the Firm that I recommend we utilize for the WRF Expansion. I have reviewed this proposal with Terramor (Brian Woods), and it is in line with the estimates for a project of this size.

## **FISCAL IMPACT**

Total Contract approximately \$500,000

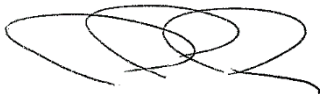
District Share approximately \$166,500

## **RECOMMENDATION**

It is recommended that the Board of Directors:

1. Authorize the General Manager to enter into a agreement for CM services with MUROW CM.

Respectfully submitted,



Jeff Pape  
General Manager

February 13, 2019

File No: **803-1901 Bid**  
**803-1901 CM**

Temescal Valley Water District  
22646 Temescal Canyon Road  
Temescal Valley, CA 92883

**Attn: Jeff Pape | General Manager**

RE: Temescal Valley Water District – Water Reclamation Facility Treatment Plant Expansion (Phase IV)  
**Bid Administration, Construction Management, and Labor Compliance**  
Temescal Valley, CA

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Dear Mr. Pape,

Pursuant to your request, we are pleased to submit this proposal to provide the above referenced services for the subject project.

**SCOPE OF WORK:**

**A. Bid Administration Package:**

- Water Reclamation Facility Treatment Plant Expansion (Phase IV)

Scope:

1. Site Visit
2. Pre-Bid Risk Analysis
3. Quantity Take-Offs
4. Preparation of Unit Price Schedule "A"
5. Preparation of Bid Documents
6. Preparation of Invitation to Bid
7. Preparation of Special Conditions
8. Preparation of Bid Proposal
9. Incorporate Client's Contractor Agreement and Boiler Plate
10. Bid Solicitation
11. Clarifications and Addenda(s), as required
12. Pre-Bid Meeting (if necessary)
13. Public Bid Opening
14. Bid Tabulations – Spread Sheets
15. Bid Spread Template – Utilizing Final Bidding Quantities
16. Provide Client with Bidding / Contract Binder



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Date: February 13, 2019  
File: 803-1901

**Based on:**

- A. *Pre-Bid Risk and Constructability Analysis*
- B. *Initial Set-up including team meetings, bid package preparation and miscellaneous tasks and assignments*
- C. *Bid Administration: Scheduling and strategy meetings, soliciting, etc.*
- D. *Bid Process, Addendums, Bid Review and Recommendation*
- E. *Pre-Construction Organization and Meeting*

**Part A. Bid Cost Breakdown**

Fixed Fee

- *Initial Bid Documentation & Technical Spec Review ..... \$4,800.00*
- *Water Reclamation Facility Treatment Plant Expansion (Phase IV) Bid Package ..... \$18,800.00*

**Part A. Total Net Fixed Fee..... \$23,600.00**

**B. Construction Management Oversight:**

Pre-Construction Phase:

- Perform value engineering and constructability review of project plans and specifications.
- Review of engineer's estimate and/or "approved" budget for the project.
- Prepare and maintain a master project schedule based on anticipated completion of design and construction phases, integrating all reviews and approvals, if required by agencies.

Construction Phase:

- Arrange and conduct Pre-Construction meeting with contractors, owner, applicable public agencies, utility companies, design engineers, subcontractors, etc. as required. Prepare minutes of Pre-Construction meetings for distribution to all attendees.
- Provide and maintain sufficient field personnel to administer and manage construction contract.
- Review construction schedule, including activity sequences and duration, schedule of submittals and delivery schedule of long lead materials and equipment. Review contractor's schedule updates and revisions.
- Schedule and conduct progress meetings to discuss contract issues, procedures, job progress and problems, change orders, submittals, request for information (RFIs), deficiencies and schedules.
- Process and track RFIs, submittals, proposed change orders and revisions.
- Review and evaluate proposed change orders. Review estimates for reasonableness and cost effectiveness and render recommendations to owner.

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- Maintain cost accounting records on authorized work performed under contracted unit costs and additional work performed based on actual costs of time (labor) and materials (T&M).
- Develop a reasonable cost control system, including regular monitoring of actual costs for activities in progress and estimates for uncompleted tasks and proposed changes. Identify variances between actual and estimated costs and report such variances to owner.
- Assist owner in coordinating services of other consultants (geotechnical, NPDES, deputy inspection, special laboratory testing, etc.) that may be hired or selected for the project.
- Coordinate with project architect/design consultant contractors' requests for interpretation or clarification of meaning and intent of project plans and specifications.
- Establish and implement job safety procedures in compliance with CAL-OSHA requirements. Monitor contractors' compliance with established safety program, respond to deficiencies and hazards, and investigate and report on accidents.
- Track quantities of work completed for progress payment. Develop and implement procedures for review and processing of progress payment applications. Assist owner with review and certification for payment.
- Establish procedures and monitor contractor compliance with labor compliance regulations and requirements.
- Perform quality assurance reviews on a regular basis and recommend changes, as necessary.

Post-Construction Phase:

- Evaluate completion of work and recommend when work is ready for final inspection.
- Conduct final inspection/walk through with agency staff, maintenance/service personnel and project architect/design consultant.
- Issue preliminary and final punch list, including schedule for punch list completion. Monitor and follow through with contractor until completion of all punch list items.
- Secure and transmit required guarantees, certifications, affidavits, leases, easement deeds, operating & maintenance manuals, warranties and other documents as stipulated in contract documents.
- Review contractor's request for final payment and release of retention.
- Deliver project construction management documentation to owner.

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**Part B. Cost Breakdown**

**A. Breakdown of Personnel’s Estimated Fee / Hours (Pre-Construction, 1<sup>st</sup> Month - Est. 2 Month):**

- Sr. Project Manager
- Senior Construction Manager
- Field Assistant

**B. Breakdown of Personnel’s Estimated Fee / Hours (Construction Phase, - Est. Additional 11 Mo.):**

- Sr. Project Manager
- Senior Construction Manager
- Field Assistant

**Part B. Total Net Projected Fee.....See Exhibit A**

*Payment based on actual hours expended on the assignment <sup>(1)</sup>.*

*(1) Murow|CM will notify the client when the “Total Fee” has been expended, and a formal request will be submitted for approval prior to Murow|CM continuing its efforts.*

*Rate based on placing a (Murow|CM Construction Manager) onsite during construction. Rate includes vehicle, fuel, mileage charges, E&O insurance, G/L, W/C and Auto Insurance, cell phone and laptop. MUROW|CM to provide “Daily Reports” and coordinate / communicate as needed with client*

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**C. Labor Compliance and Oversight Document Control:**

Initial Set Up

- Assist in the Reviews and Responses to Requests for Information during Bidding pertaining to Labor Compliance
- Evaluate submitted Contractor Bids for Past Prevailing Wage Violations
- Conduct Pre-Construction Labor Compliance Meetings and or Orientations with Contractors (as needed):
  - Provide Labor Compliance Monitoring Orientation Materials;
  - Labor Law Compliance Check List(s) to Contractors
  - Collect contractor contact Information
- Project File Set Up for Labor Compliance Monitoring and Documentation

On-Going Oversight

- Forms Collection, Review and Verifications
  - Department of Apprenticeship Standards (DAS) Form 140
  - Department of Apprenticeship Standards (DAS) Form 142
  - Fringe Benefits Statement (FBS) Form
  - California Apprentice Council Training Fund Contribution (CAC-2)
- Certified Payroll Review
  - Apprentice Oversight
  - Reports/Correspondence with Owner
  - Address Labor Compliance Inquiries from Contractors
- Assist in the Reporting of Suspected Violations of the Prevailing Wage Law to the Labor Commissioner
  - Labor Compliance Closeout Documents

Part C. Cost Breakdown

*Initial Set-up (Fixed Fee -1 EA)..... \$2,100.00*  
*Ongoing Oversight (Monthly Fee - 13 Months)..... \$1,200.00*

**Part C. Total Net Projected Fee..... \$17,700.00\***  
*(Included in CM Services)*

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Date: February 13, 2019  
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**Summary of All Services**

A. Bid Administration (Fixed Fee) .....	\$23,600.00
B. Construction Management Oversight (13 Mo.).....	\$502,280.00
C. Labor Compliance Oversight .....	\$17,700.00 <i>(Included in CM Services)</i>
<b>Total Projected Fee .....</b>	<b>\$525,880.00</b>

Out-Of-Pocket Expenses - In addition to hourly rates, you agree to reimburse us for out-of-pocket costs. Such costs include, but are not limited to, overnight mail, blueprint printing, messengers, and photocopying. Reimbursements will be billed at cost.

Fee Disputes. If you disagree with or question any amount due under an invoice, you agree to communicate such disagreement to our firm in writing within fifteen (15) days of the invoice date. Any claim not made within that period shall be deemed waived. If collection procedures are required, you agree to pay all expenses of collection and all attorneys' fees and costs incurred by our firm in connection with such collection, whether suit is filed thereon.

Reasonable attorney fees will be up to 40% of the outstanding balance. If litigation is required regarding collection of the account, we will be paid our hourly rates for all time expended by our firm in connection with such action.

Payment: Invoices are due and payable upon receipt and are considered delinquent after 30 days from the date of receipt by the Client. We will invoice progressively on the 30<sup>th</sup> of each month for the duration of the project based on hours expended on the project. Delinquent amounts may be subject to a finance charge of 1 1/2 percent per month. If any portion of an invoice is disputed, the undisputed portion must be paid when due. Any amounts not disputed in writing within 15 days from receipt shall be considered accepted by Client. We reserve the right to cease work, decline meeting attendance or withhold any un-submitted documents, calculations or permit applications for accounts exhibiting delinquency until delinquent invoices have been paid in full.

We sincerely appreciate the opportunity to propose on your project. If you have any questions, please feel free to contact me at 949.398.8467 or [gperrine@murowcm.com](mailto:gperrine@murowcm.com).

RESPECTFULLY SUBMITTED

ACCEPTED: TEMESCAL VALLEY WATER DISTRICT

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

Greg Perrine, CEO  
DIRTONU, INC. dba Murow | CM  
License A (General Engineering Contractor) | No: 659969



# Exhibit A

## Construction Management Pricing

**TVWD Water Treatment Facility Expansion**  
Construction Oversight

Task/Month	Pre <sup>(2)</sup>	During <sup>(3)</sup>												TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13		
Senior Construction Manager	24,248	24,248	24,248	24,248	24,248	24,248	24,248	24,248	24,248	24,248	24,248	24,248	24,248	24,248	<b>315,224</b>
Field Assistance / Asst. CM	18,186	18,186	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	9,093	<b>136,395</b>
Senior Project Manager	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	<b>50,661</b>
Subtotal <sup>(1)</sup>	46,331	46,331	37,238	37,238	37,238	37,238	37,238	37,238	37,238	37,238	37,238	37,238	37,238	37,238	<b>502,280 <sup>(4)</sup></b>

**Classification**

	Rate
Senior Construction Manager	140.00
Field Assistance / Asst. CM	105.00
Senior Project Manager	150.00

**Estimated Hours [Pre-Construction (Month 1) and 1st Month of Construction (Month 2)] <sup>(2)</sup>**

	Hours/Mo
Senior Construction Manager	173.2
Field Assistance / Asst. CM	173.2
Senior Project Manager	25.98

**Estimated Hours (Construction Phase, - Est. Additional 11 Mo.) <sup>(3)</sup>**

	Hours/Mo
Senior Construction Manager	173.2
Field Assistance / Asst. CM	86.6
Senior Project Manager	25.98

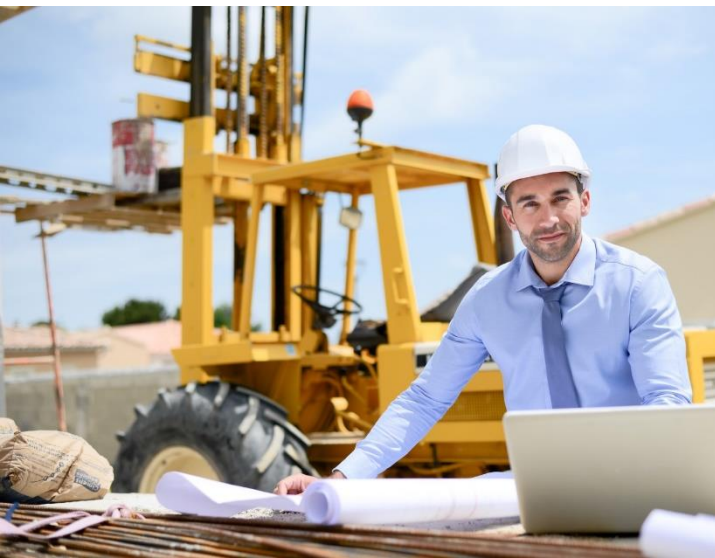
**Notes:**

- <sup>(1)</sup> Based on 5 days per week, 4.33 per month
- <sup>(2)</sup> Table Utilizes Estimated Hours / Fees for Pre-Construction (1st and 2nd Month)
- <sup>(3)</sup> Table Utilizes Estimated Hours / Fees for Construction Phase (Est. 11 Additional Months)
- <sup>(4)</sup> The Amount of **\$502,280.00** is based on CM services for 13 months. Payment will be based on actual hours expended on assignment.





## STATEMENT OF QUALIFICATIONS



**DIRTONU, INC dba MurowICM**  
Contractor License (A) #659969

1151 Duryea Ave  
Irvine, CA 92614

949.988.3270  
info@murowcm.com  
www.murowcm.com



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1. Introduction
2. Team Bios
3. Project Experience





**INTRODUCTION/QUALIFICATIONS:** **Dirtonu, Inc.** dba **Murow|CM** has offered leading Construction Management Services since its founding in 2012. We are ranked one of OC's Fastest Growing Private Companies in the OC Business Journal 2 years running and continue to expand our team and operations. **Murow|CM** is headquartered in Irvine, CA, with over 60 teammates working on 238 current projects throughout Southern California.

The firm holds a California General Engineering Contractor's License (A) # 659969 EXP. 9/30/2018, is a registered DIR Public Works Contractor REF # 1000013504 EXP. 6/30/2018 and a Certified SBE through the California Department of General Services Office of Small Business & DVBE Services ID # 2007314 EXP. 10/31/2019.

**Murow|CM's** Construction Management Team has perfected the construction document control process, which allows us to spend more time bringing actual **value** to each project by driving schedules and controlling budgets. The efforts of all our project team members are skillfully coordinated and managed so that the project budget, schedule, and technical quality are on track at all times. Our construction experts stay "up to date" on current pricing and maintain a database of fair and reasonable costs for public construction projects.

The **Murow|CM** team are goal oriented problem solvers, with decades of experience by our key personnel, we are experts in project/construction management and know what it takes to complete a project successfully on time and within budget. Working closely for Municipalities on all types of projects, we understand the many challenges and requirements when utilizing state and federal funds and specialize in compliance to assure a successfully delivered project from inception to project close out.

**Murow|CM** has managed and coordinated numerous infrastructure projects in the public works sector such as site and infrastructure developments, street improvements, highways, roadways, bridges, drainage and treatment facilities, and municipal structures. We have the experience, knowledge, and familiarity with Public Agency Construction Management Services to include, but not limited to; bid administration, budgets and cost estimating, wet and dry utilities consulting/coordination, construction management, labor compliance, project management and coordination, and much more. We perform these assignments well, expeditiously and cost effectively.

**Murow|CM** takes great pride in providing the most talented and experienced professionals in the industry and staying on top of the latest construction practices and methodology, as well as utilizing digital photography (aerial documentation) and the most current industry standard logs, so you will have a well-documented visual account of the construction process for your records.

**Murow|CM** offers several suites of services to our clients to support them in every phase of the development process; pre-development, during construction and post-construction.

**PRE-DEVELOPMENT**

- Forward Planning
- Budgets & Cost Estimating
- Public Bid Administration
- Dry Utility Consulting & Coordination

**DURING CONSTRUCTION**

- Construction Management
- Project Management
- Labor Compliance Oversight
- Aerial Documentation
- SWPP Compliance Oversight
- Site Assessments

**POST CONSTRUCTION**

- Reimbursement Services
- Expert Witness & Litigation Support

**Murow|CM** has a great deal of experience working with public agencies such as:

- City of Beverly Hills
- City of Chatsworth
- City of Chino
- City of Hermosa Beach
- City of Irvine
- City of Laguna Beach
- City of Los Angeles
- City of Ontario
- City of San Juan Capistrano
- City of West Hollywood
- County of Los Angeles
- County of Orange
- County of Riverside (EDA)
- County of Riverside Flood Control
- Inland Empire Utilities Agency (IEUA)
- Irvine Ranch Water District
- California Department of Transportation (Caltrans)
- Santa Margarita Water District (SMWD)
- Santa Monica Mountain Conservancy (SMMC)

**Murow|CM** also has the leadership and credentialed resources from its parent company *DIRTONU, Inc.* - an industry leader in land development litigation support. We minimize our clients' liability exposure by taking a proactive approach and devoting our focus on key and sensitive areas of the project from inception to final acceptance. **Murow|CM** prides itself in building long-term relationships through our commitment to excellence.

**Testimonial**

*"The Murow|CM team has been a pleasure to work with because they are professional and diligent. Their experience has allowed our team to rely on them for a few projects over the past few years. I'm looking forward to building our relationship as things progress.*

*~Larry Liebel (Lennar Homes, Lewis Homes & City of Chino Joint Venture)*

## SENIOR CONSTRUCTION MANAGERS:



### **BOB WEBER**

**Years of Construction Management Experience:** 38 years

**Infrastructure Improvement Experience:** Water, Fine Grading, Vertical Construction, Street Improvements, Landscape | Park Improvements, Wet & Dry Utility Improvements.

**Municipalities/Jurisdiction Experience:** Eastside Water Treatment Facility, Yorba Linda Water Dist. Reservoirs, Lloyd Michael Water Treatment Plant, City of Chino Sewer Lift Station and Sewer Improvements, MCWD Reservoir #2 and Pump Station, Mountain View Park Well.



### **JASON GREENMAN**

**Years of Construction Management Experience:** 16 years

**Infrastructure Improvement Experience:** Grading, Street Improvements, Landscape | Park Improvements, Wet & Dry Utility Improvements.

**Municipalities/Jurisdiction Experience:** Eastern Municipal Water District ("EMWD"), San Bernardino Flood Control District, Riverside County Flood Control District, Metropolitan Water District of Southern California and Southern California Edison ("SCE").



### **KEVIN BROOKMAN**

**Years of Construction Experience:** 38 years

**Infrastructure Improvement Experience:** Mass Grading | Precise Grading, Street and Highway Improvements, Water, Sewer & Storm Drain Improvements, Dry Utility Improvements, Structures, Lift and Pump Stations, Demolition, Culverts and Storm Channels. **Municipalities/**

**Jurisdiction Experience:** He specializes in complete site and land development, including street and highway improvements.



### **KEVIN RHOADES**

**Years of Construction Experience:** 30 years

**Infrastructure Improvement Experience:** Mass | Precise Grading, Street Improvements Basin Improvements, Wet & Dry Utility Improvements.

**Municipalities/Jurisdiction Experience:** He has served in various positions in the industry specializing in land development; specifically, mass grading and major infrastructure improvements for public works construction.



### **MIKE KOTLINSKI**

**Years of Construction Management Experience:** 30 years

**Infrastructure Improvement Experience:** Street Improvements, Water Treatment Facilities Mass Grading | Fine Grading, Wet & Dry Utility Installation.

**Municipalities/Jurisdiction Experience:** He has spent the most recent 16 years employed by a civil engineering contractor that worked primarily in the Public Works Sector.



### **MIKE IRVIN**

**Years of Construction Management Experience:** 38 years

**Infrastructure Improvement Experience:** Street Improvements, Traffic Signal Improvements Mass Grading | Fine Grading, Rip Rap Structures, Wet & Dry Utility Installation.

**Municipalities/Jurisdiction Experience:** Mr. Irvin oversees major road and intersection widening projects and specializes in construction management oversight and inspection services for paving and street improvement projects.

**MUROWICM**  
CONSTRUCTION OVERSIGHT CONSULTANTS

**PROJECT  
EXPERIENCE**



**DIRTONU, INC dba MurowICM**  
Contractor License (A) #659969



## EASTSIDE WATER TREATMENT FACILITY

*Lennar Homes & City of Chino*

*Private/Public Partnership*



### Project Summary:

Construction of underground utilities & pipeline, and connection into the New Water Treatment Facility. **Murow|CM** oversaw and managed four different contractors as well as multiple equipment vendors on this complex project. EWTF was built as a **Community Facilities District (CFD) Reimbursement Facility**. Tasks performed by the Team: Conducted Weekly Project Progress and Logistics Meetings; Review and Comment of Contractor's Schedule Updates; Change Order Analysis, Monitoring and Negotiation; Billing Review and Approval; RFI Tracking; Submittal Tracking; Certified Payroll Collection; Contract Compliance and Agency Coordination and Liaison Services.

### Components/tasks managed by **Murow|CM**:

- Site Grading and Improvements, Landscaping
- Construction of Ion Exchange Nitrate Removal Facility
- Procurement of ISEP System
- Procurement of Brine Equipment
- Construction of Welded Steel Reservoir
- 11,000 LF 18" Raw Water Pipeline
- Drill and Develop Municipal Well
- SCADA and Instrumentation
- Dual Zone Booster Pump Station and Chlorination Facility

**Project Start:** July, 2014

**Project End:** December, 2015

**Project Value:** \$16.5 Million

### Products/Services Involved:

- Construction Management and Scheduling
- Construction Inspection

### Team:

- Project Manager: Dennis Lorton
- Construction Manager: Bob Weber

### Client:

- Lennar Homes  
Contact: Larry Liebel  
Phone: (951) 817-3526  
Email: [larry.liebel@lennar.com](mailto:larry.liebel@lennar.com)

### Agency:

- City of Chino  
Contact: Landon Kern, P.E  
Phone: (714) 932-7506  
Email: [lkern@cityofchino.org](mailto:lkern@cityofchino.org)

## THE PRESERVE SEWER IMPROVEMENTS

*City of Chino*



### Project Summary:

The Preserve is an area of approximately 5,435 acres of former and existing farm and dairy property located in Chino, CA. The area was annexed to the City of Chino in July 2003. Approximately half of the area will consist of residential, commercial, industrial and airport-related development. The other half will remain as open space, for natural, recreational, and agricultural uses.

The Preserve Specific Plan is community based on a mixture of residential neighborhoods focused around a regional commercial center. The development will be inter-connected with a multi-purpose open space feature, using a series of paseos and trails, and will be integrated with the Chino Airport. There will be a range of housing types with equestrian estates, apartments and condominiums, and entry-level housing.

### Components/ tasks managed by **Murow|CM**:

- Sewer Lift Station
- Gravity Sewer
- Force Main
- Jack and Bore

**Project Start:** May 2017

**Project End:** June 2018

**Project Value:** \$13,360,000

**Contract Value:** \$615,000

### Services Involved:

- Bid Administration
- Project Management
- Construction Management

### Team:

- Project Manager: Denny Lorton
- Sr. Construction Manager: Bob Weber
- Bid Administration: Erica Passavanti

**Owner:** City of Chino

### Client:

- Lewis Management Corp.  
Contact: Jason Miller  
Phone: (909) 946-7521  
Email: [jason.miller@lewismc.com](mailto:jason.miller@lewismc.com)



**RP-1 OUTFALL RELOCATION/UPSIZING**  
Foremost Communities & Inland Empire Utilities  
Agency (IEUA) – Private/Public Partnership



**Project Summary:**

The RP-1 Outfall Relocation and Upsizing between Chino Ave and Riverside Project is located in Ontario, CA. The project consisted of approximately 3,000 linear feet of 72-inch CML pipeline. The pipeline distributes reclaimed water. Project contract time was 240 calendar days and it finished on time.

**The 72" reclaimed water line accomplished several things:**

New Water Supply – delivery of over 30,000 acre-feet per year (AFY) of this local supply; Enhanced groundwater- improved the quality of the Chino Basin aquifer; Drought proof supply- recycled water supply was not directly impacted by drought, but helps mitigate the impacts of regional and statewide water supply limitations; and Reduced dependence of imported water supplies- increased local water supply reliability and decreased water imports from the Sacramento Bay Delta.

**Project Start:** October, 2014

**Project End:** June, 2015

**Project Value:** \$20 Million

*\*Rendered within Schedule & Budget*

**Services Involved:**

- Bid Administration
- Project Budget and Scheduling
- Construction management and Inspection
- Agency coordination
- Submittal, RFI, and Change order management
- Labor Compliance

**Team:**

- Construction Manager: Bob Weber
- Project Manager: Denny Lorton

**Client:**

- Foremost Communities  
Contact: Vlad Burce  
Phone: 949-748-6714 x211  
Email: [Email: vlad@foremostcommunities.com](mailto:vlad@foremostcommunities.com)

**Agency:**

- Inland Empire Utilities Agency IEUA  
Contact: Liza Munoz  
Phone: 909-993-1600  
Email: [lmunoz@ieua.org](mailto:lmunoz@ieua.org)

February 21, 2019

Board of Directors  
Temescal Valley Water District

Re: Water and Sewer Operations – January 2019

Dear Board Members:

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

- Managed 191.70 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 as well as semi-annual wastewater samples as required by Regional Water Quality Control Board.
- Submitted monthly SMR and semi-annual Ground Water reports to the Regional Water Quality Control Board for: Temescal Valley Wastewater Reclamation Facility
- Submitted monthly and quarterly DBP reports to the State Water Resources Control Board, Division of Drinking Water for: TVWD distribution system monitoring.
- Read 5607 water meters.
- 13 shut-offs.
- Responded 124 service calls.
- Installed 46 meters for the various developers
- Responded to 95 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.
- TVWD staff is on schedule with required UCMR4 sampling for the water distribution system.
- TVWD staff completed district cross connection compliance tests.
- Three loads of biosolids were hauled off this month.
- Contractors are finishing up work on Operations Bldg. interior upgrade.

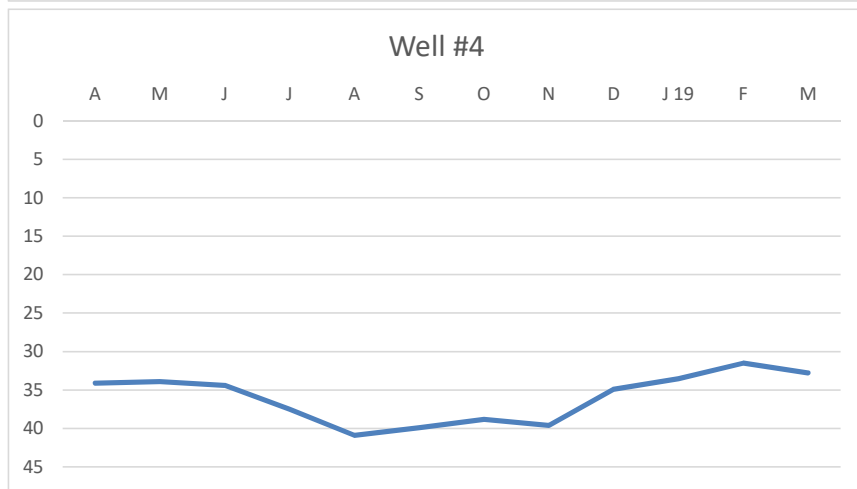
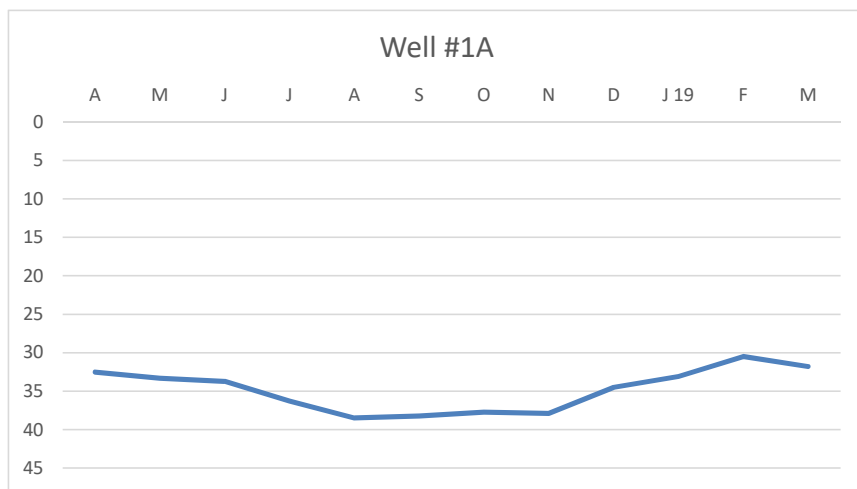
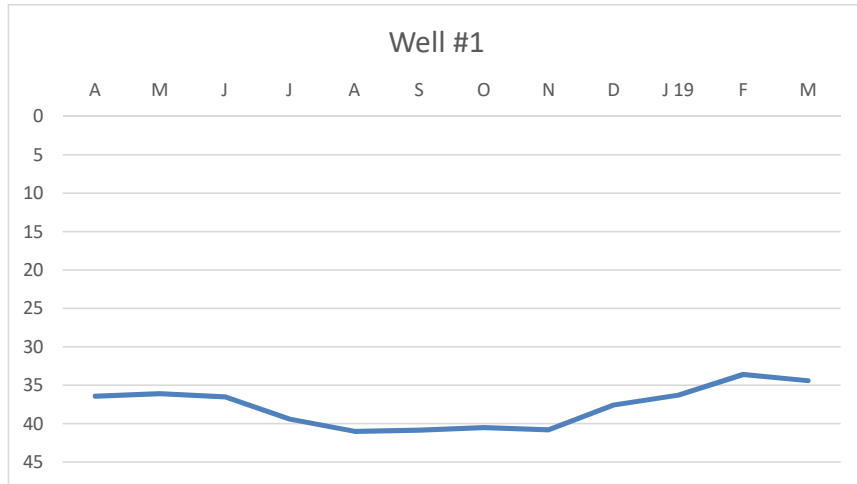


- Contractor rebuilt and installed climber screen rake assembly at the Wastewater Headworks area.
- Contractor pulled all three FEB pumps at the Wastewater Plant for annual pump screen cleaning.

Sincerely,

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Paul Bishop, Superintendent



TEMESCAL VALLEY WATER DISTRICT  
ENGINEERING DEPARTMENT

**DISTRICT ENGINEER'S MONTHLY REPORT**

**Date:** February 22, 2019  
**To:** Jeff Pape, General Manager  
**From:** Justin Scheidel, District Engineer  
**Subject:** Engineering Activities Update for the Month of February 2019

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

**PLAN CHECKING & DEVELOPER RELATED PROJECTS**

**Terramor Water, Sewer, & RW Improvements In-Tract Laterals (36643, 36826-1, 10476, 10477 and 10478)** – Engineering review previously completed, currently under construction.

**Terramor Water, Sewer, & RW Improvements In-Tract Laterals (Tract 36826-2/3/4, 10555 Phase 7/8/9)** – 1<sup>st</sup> plan check completed, comments returned to the developer for incorporation

**Terramor Reservoirs Project (1401.1610)** – Engineering review previously completed, currently under construction. I visited construction site to gauge progress. Currently the potable water reservoir is approx. 50% complete, and the foundation for the recycled water reservoir has been constructed.

**Tract 33688 Water, Sewer and Recycled Plan Check (10555, Phase 6)** – 1<sup>st</sup> plan check completed, comments returned to the developer for incorporation.

**Warm Spring Drive (10555, Phase 10)** - 1<sup>st</sup> plan check completed for private residence water main extension, comments returned to the developer for incorporation.

**TVWD Water Reclamation Facility Expansion (9830)** – The 95% design drawings and specifications have been reviewed by engineering staff, and consolidated comments have been submitted to the design engineer. Public bid for this project is scheduled for February.

**CAPITAL IMPROVEMENT PROJECTS**

**1320 Reservoir Preliminary Design Report (1401.1608):** Submitted Draft Preliminary Engineering Report to the General Manager for review. Currently waiting for comments.

**AS-NEEDED ENGINEERING SERVICES**

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

Project 1401.1801: As-Needed Potable Water Engineering: Updated district standard drawings to meet current design standards.

- Project 1401.1802: Non-Potable Water Related Services for FY 2018/19: Development of the district engineering report and attendance of the District's Board Meeting.
- Project 1401.1803: Wastewater Related Services for FY 2017/18: Conducted coordination for the WWTP expansion design review process.
- Project 1401.1804/5: Potable /Wastewater Mapping Updates for FY 2017/18. Created updated pumping zone maps to support the new billing structure.
- Project 1401.1806/7: Potable/Wastewater Engineering Studies: No work completed 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.
- Project 1401.1809: Sewer System Management Plan Assistance: No work completed this month.
- Project 1401.1810: Dawson Canyon Reservoir Design: No activity this month
- Project 1401.1811: Water System Master Plan Update: Continuing updates to the master plan to reflect current system configuration with additional developments, facilities and demands. Complete multiple update iterations of the current potable water system including various new developments, in both GIS and the water model.
- Project 1401.1812: Non-Potable Master Plan Update: Updating the master plan to reflect current system configuration with current customer demands. Completed multiple update iterations of the current non-potable water facilities in both GIS and the water model.
- Project 1401.1813: Sycamore Creek Rehab Project: Conducted site visit/final inspection walk through for the completed reservoir. The contractor completed the coating improvements on 2/15/19.
- Project 1401.1814: Corona Service Conversion: No work completed this month.