

AGENDA

REGULAR MEETING OF THE BOARD OF COMMISSIONERS
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY (VWVRA)
Victorville City Hall – Conference Room “D”, 14343 Civic Drive, Victorville, CA
92392
Phone: (760) 246-8638

MEETING DATE: Thursday, June 20, 2019

TIME: 7:30 AM (Closed Session)

8:00 AM (Regular Session)

CALL TO ORDER

PUBLIC COMMENTS – CLOSED SESSION AGENDA

CLOSED SESSION

CLOSED SESSION: During the course of conducting the business set forth on this agenda as a regular meeting of the Board, the Chair may convene the Board in closed session to consider matters of pending real estate negotiations, pending or potential litigation, or personnel matters, pursuant to Government Code Sections 54956.8, 54956.9, 54957 or 54957.6, as noted. Reports relating to (a) purchase and sale of real property; (b) matters of pending or potential litigation; or (c) employment actions, or which are exempt from public disclosure under the California Public Records Act, may be reviewed by the Board during a permitted closed session and are not available for public inspection. At such time the Board takes final action on any of these subjects, the minutes will reflect all required disclosures of information. Closed Session is scheduled to commence at 8:00 a.m.. If the matters discussed in closed session require additional time beyond 9:00 a.m., in deference to the public, the Board may continue the Closed Session discussion after Open Session is concluded. In that case, Closed Session will resume after the Commissioners Comments section and any reportable action will be reported after the continued Closed Session has concluded and before adjournment.

CONFERENCE WITH LEGAL COUNSEL- (Gov. Code Sec. 54954.5-54956.9(d)):

1. Flow Diversion

CONFERENCE WITH LEGAL COUNSEL-POTENTIAL LITIGATION (Gov. Code Sec. 54956.9(d)):

2. Threatened or Potential Litigation- Upper Narrows Project

3. Threatened or Potential Litigation- Lahontan- NPDES Permit Negotiations

CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION- (Gov. Code Sec. 54956.9 (1)(D)):

Valles v. VWVRA, Case No. CIVDS 1822066

CONFERENCE WITH LEGAL COUNSEL-LABOR NEGOTIATION (Gov. Code Sec. 54957.6/54954.5 (f)):

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- 4. Roger Crawford and The City Employees Association**
- 5. Roger Crawford and Supervisors Association**

REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

REPORT FROM CLOSED SESSION

PUBLIC COMMENTS – REGULAR SESSION AGENDA

ANNOUNCEMENTS AND CORRESPONDENCE:

- 6. Possible conflict of interest issues**

CONSENT CALENDAR:

- 7. Approve May 2019 Disbursement Registers**
- 8. Approve Minutes from the May 16, 2019 Regular Meeting, the June 5, 2019 Special Meeting and the June 10, 2019 Special Meeting**
- 9. Recommendation to Ratify Emergency Work for Ferric Chloride Spill**

REPORTS & PRESENTATIONS:

- 10. Presentation: 2018-2019 Budget (Keagy)**

PUBLIC HEARING:

- 11. Adoption of Fiscal Year 2018-2019 Amended Budget**

ACTION & DISCUSSION ITEMS:

- 12. Resolution 2019-10 Adopt FY 2019-2020 Budget**
- 13. Resolution 2019-12: Authorization of Interfund Loan**
- 14. Resolution 2019-11: FY 2019-2020 Holiday Schedule**
- 15. Recommendation to Cancel June 27th Board Meeting**

STAFF/PROFESSIONAL SERVICES REPORTS:

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- 16. Financial and Investment Report – May 2019**
- 17. Operations & Maintenance Report – May 2019**
- 18. Safety & Communications Report – May 2019**

NEXT VVWRA BOARD MEETING:

Thursday, July 18, 2019 - Regular Meeting of the Board of Commissioners

FUTURE AGENDA ITEMS

USDA Loan and Grant for the Oro Grand Interceptor Project

Ordinance 001

O&M Building Extension

Recommendation to Award Bid for Storm Water Project

COMMISSIONER COMMENTS

CLOSED SESSION (If Closed Session is continued as set forth above)

ADJOURNMENT

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Agenda Posting: In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Authority's Administrative offices not less than 72 hours prior to the meeting date and time above. All written materials relating to each agenda item are available for public inspection in the office of the Board Secretary.

Items Not Posted: In the event any matter not listed on this agenda is proposed to be submitted to the Board for discussion and/or action, it will be done in compliance with Section 54954.2(b) as an emergency item or because there is a need to take immediate action, which came to the attention of the Board subsequent to the posting of the agenda, or as set forth on a supplemental agenda posted in the manner as above, not less than 72 hours prior to the meeting date.

Public Comments: Any member of the public may address the Board of Commissioners on specific agenda items or matters of general interest. As determined by the Chair, speakers may be deferred until the specific item is taken for discussion and remarks may be limited to five minutes. Persons desiring to submit paperwork to the Board of Commissioners shall provide a copy of any paperwork to the Board Secretary for the official record.

Matters of Interest addressed by a member of the public and not listed on this agenda cannot have action taken by the Board of Commissioners except as authorized by Section 54954.2(b). If you wish to speak, please complete a Speaker's Form (located at the table in the lobby outside of the Board Room) and give it to the Board Secretary prior to the start of the meeting.

If any individual wishes to challenge an action of the Commission in court, he or she may be limited to raising those issues that were raised at the public hearing pertaining to the Commission's actions, or in any written correspondence delivered to the Commission on or prior to the public hearing.

Consent Calendar: All matters placed on the Consent Calendar are considered as not requiring discussion or further explanation and unless any particular item is requested to be removed from the Consent Calendar by a Commissioner, staff member or member of the public in attendance, there will be no separate discussion of these items. All items on the Consent Calendar will be enacted by one action approving all motions, and casting a unanimous ballot for resolutions included on the consent calendar. All items removed from the Consent Calendar shall be considered in the regular order of business.

The Chair will determine if any items are to be deleted from the Consent Calendar.

Items Continued: Items may be continued from this meeting without further notice to a Committee or Board meeting held within five (5) days of this meeting per Government Code Section 54954.2(b)(3).


Meeting Adjournment: This meeting may be adjourned to a later time and items of business from this agenda may be considered at the later meeting by Order of Adjournment and Notice in accordance with Government Code Section 54955 (posted within 24 hours).

Accommodations for the Disabled: In compliance with the Americans with Disabilities Act (ADA), the Board of Commissioners Meeting Room is wheelchair accessible. If you require any special disability related accommodations, please contact the Victor Valley Wastewater Reclamation Authority Board Secretary's office at 760-246-2892 at least 72 hours prior to the scheduled meeting. Requests must specify the nature of the disability and the type of accommodation requested.



Victor Valley Wastewater Reclamation Authority
A Joint Powers Authority and Public Agency of the State of California

20111 Shay Rd. Victorville, CA 92394
 Telephone: (760) 246-8638
 Fax: (760) 948-9897

DATE: June 5, 2019
TO: Logan Olds
 General Manager
FROM: Chieko Keagy 
 Controller
SUBJECT: Cash Disbursements Register

RECOMMENDED ACTION

It is recommended that the Board of Commissioners approve the cash disbursements and payroll register for the Victor Valley Wastewater Reclamation Authority.

BACKGROUND

The Cash Disbursements Register totals represented below are for the month of MAY 2019, check numbers 122457-122534 and ACH's.

<i>Accounts Payable</i>			
<i>Checks</i>	<i>ACH's and EFT's</i>	<i>Payroll</i>	<i>Total</i>
<i>\$215,928.96</i>	<i>\$590,264.17</i>	<i>\$383,895.39</i>	<i>\$1,190,088.52</i>

**Victor Valley Reclamation Authority
Cash Disbursement Register
From 5/1/19 through 5/31/19**

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Matching Document Number	Check Amount
122457	5/1/2019	5/1/2019	01	Allied Electronics Inc	Thermostats for UV	9010949434	\$ 300.92
122458	5/1/2019	5/1/2019	01	Howard Aimgren	Mediation Assistance	No. 2	\$ 10,043.00
122459	5/1/2019	5/1/2019	01	Liberty Utilities- Apple Valley Ranchos W	Acct# 015133	042519	\$ 164.66
122459	5/1/2019	5/1/2019	01	Liberty Utilities- Apple Valley Ranchos W	Acct# 156245	04252019	\$ 457.11
122460	5/1/2019	5/1/2019	07	Big Bear Electric, Inc.	Digester 1 Mixer VFD's Electrical Install-	1300	\$ 10,027.00
122460	5/1/2019	5/1/2019	07	Big Bear Electric, Inc.	Digester 1-3 Intrumentation Electrical Inst	1284	\$ 13,511.65
122461	5/1/2019	5/1/2019	01	Sulzer Electro-Mechanical Services Inc	UV Exhaust Fan Motors	S108999	\$ 747.49
122462	5/1/2019	5/1/2019	01	Daily Press	Notice of Inviting Bids- Spill Containment	300186564	\$ 1,989.50
122463	5/1/2019	5/1/2019	01	G.A. Osborne Pipe & Supply	Bypass Piping Materials	398707	\$ 648.65
122463	5/1/2019	5/1/2019	01	G.A. Osborne Pipe & Supply	Bypass Piping Supplies	398699	\$ 1,216.92
122464	5/1/2019	5/1/2019	01	Heritage Environmental Services, L.L.C.	Hazardous Waste Disposal	1946172	\$ 753.43
122465	5/1/2019	5/1/2019	01	Hesperia Hose Supply	Suction Hose	63762	\$ 1,913.51
122466	5/1/2019	5/1/2019	01	Hesperia Outdoor Power Equipment	Honda Generator	084711	\$ 1,065.65
122467	5/1/2019	5/1/2019	01	Napa Victorville	Fleet Vehicle Maintenance	187030	\$ 1,448.24
122468	5/1/2019	5/1/2019	01	Orkin	AV Subregional Pest Control	181742576	\$ 150.00
122468	5/1/2019	5/1/2019	01	Orkin	Hesperia Subregional Pest Control	182756275	\$ 150.00
122469	5/1/2019	5/1/2019	01	Prudential Overall Supply	Uniform Service	22786851	\$ 543.69
122469	5/1/2019	5/1/2019	01	Prudential Overall Supply	Uniform Service	22790420	\$ 536.90
122470	5/1/2019	5/1/2019	01	Royal Wholesale Electric	PLC Training for Mauricio	6441-590248	\$ 3,700.00
122470	5/1/2019	5/1/2019	01	Royal Wholesale Electric	Stop Button for Primaries	6441-593107	\$ 624.26
122471	5/1/2019	5/1/2019	01	Safelite Glass Corp	Colorado Windshield Repair	06154-333276	\$ 110.35
122472	5/1/2019	5/1/2019	01	Sparkletts Drinking Water	Bottled Water	14877093 04819	\$ 1,378.21
122473	5/1/2019	5/1/2019	01	Sparling Instruments, Inc.	Waste QIT E2PROM	10653401	\$ 82.82
122474	5/1/2019	5/1/2019	01	Thurlow'S Heating & A/C Inc.	AV Subregional Preventative Maintenance	22665	\$ 845.41
122474	5/1/2019	5/1/2019	01	Thurlow'S Heating & A/C Inc.	Filters	16779	\$ 754.40
122474	5/1/2019	5/1/2019	01	Thurlow'S Heating & A/C Inc.	Hesperia Subregional Preventative Mainte	22664	\$ 832.56
122474	5/1/2019	5/1/2019	01	Thurlow'S Heating & A/C Inc.	Quarterly Maintenance Service	16778	\$ 1,999.00
122475	5/8/2019	5/8/2019	01	Liberty Utilities- Apple Valley Ranchos W	Acct# 156250	04292019	\$ 94.38
122476	5/8/2019	5/8/2019	01	Aquatic Bioassay / Consult Inc.	Final Effluent to Mojave River	VIC0219.0059	\$ 230.00
122476	5/8/2019	5/8/2019	01	Aquatic Bioassay / Consult Inc.	Final Effluent to Mojave River	VIC0519.0360	\$ 230.00
122477	5/8/2019	5/8/2019	01	Arb/Perp	PERP Renewal	P-050647-041919	\$ 735.00
122478	5/8/2019	5/8/2019	01	Atmospheric Analysis And Consulting, Inc	Analysis and Reporting	A-19725	\$ 1,890.00
122479	5/8/2019	5/8/2019	07	Big Bear Electric, Inc.	Dig 1-3 Instrumentation Electrical Install	1302	\$ 8,320.00
122480	5/8/2019	5/8/2019	01	Concorde Communications	Answering & Telephone Service	190400012	\$ 94.90
122481	5/8/2019	5/8/2019	01	Flyers Energy, Llc	Gasoline	CFS-1904969	\$ 1,580.66
122482	5/8/2019	5/8/2019	01	Heritage Environmental Services, L.L.C.	Hazardous Waste Pick Up	1943185	\$ 1,806.60
122483	5/8/2019	5/8/2019	01	Napa Victorville	Fleet Batteries and Filters	188306	\$ 1,164.89
122484	5/8/2019	5/8/2019	01	Newark Element14	Pillar 1 Parts	31494450	\$ 384.40
122484	5/8/2019	5/8/2019	01	Newark Element14	Pillar 1 Parts	31496874	\$ 190.28
122485	5/8/2019	5/8/2019	01	Orkin	Pest Control Services	183691831	\$ 390.61
122486	5/8/2019	5/8/2019	01	Parkhouse Tire Inc.	Backhoe Tires	2020094122	\$ 426.69
122487	5/8/2019	5/8/2019	01	Prudential Overall Supply	Uniform Service	22794028	\$ 550.82
122488	5/8/2019	5/8/2019	01	Southern Counties Lubricants	Chevron Cetus Lube	652881	\$ 785.44
122488	5/8/2019	5/8/2019	01	Southern Counties Lubricants	Chevron Rando 46	652963	\$ 1,258.48
122488	5/8/2019	5/8/2019	01	Southern Counties Lubricants	Chevron Rando 46	653005	\$ 1,882.91
122489	5/8/2019	5/8/2019	07	Sumbelt Supply Inc.	Filter/Regulations for Digs 1-5 FCV	2508130-00	\$ 744.33
122490	5/8/2019	5/8/2019	01	Thurlow'S Heating & A/C Inc.	New Blower Building Service	22669	\$ 1,126.82
122491	5/8/2019	5/8/2019	01	Town & Country Tire	Colorado Tires	258478	\$ 587.71
122492	5/13/2019	5/13/2019	01	Hi-Desert Water District	Matt Mayo's Wages and Benefits 1/26/19	050619	\$ 35,987.24
122493	5/13/2019	5/13/2019	01	Swrcb	Operator Certificate of Registration	05132019	\$ 1,250.00
122494	5/22/2019	5/22/2019	01	Ametek Technical & Industrial Products It	Jerome Extended Warranty	A00000343937	\$ 1,233.74
122495	5/22/2019	5/22/2019	01	American Organics	Wood Disposal	6617034	\$ 39.01
122496	5/22/2019	5/22/2019	07	Big Bear Electric, Inc.	Dig 1-3 Electrical Install	1308	\$ 13,511.66
122497	5/22/2019	5/22/2019	01	High Desert Lock & Safe	Padlocks	0000110628	\$ 1,991.01
122498	5/22/2019	5/22/2019	01	High Desert Backflow	Backflow Testing	9487	\$ 430.00
122499	5/22/2019	5/22/2019	07	Jericho Systems, Inc.	Desert Knolls Wash EC Monitoring	18-VVWRA-02-07	\$ 15,049.17
122500	5/22/2019	5/22/2019	01	Luhdorff And Scalmanini Consulting Engi	Groundwater Reporting	34914	\$ 6,369.75
122500	5/22/2019	5/22/2019	01	Luhdorff And Scalmanini Consulting Engi	Seep Mitigation	34904	\$ 2,926.50
122501	5/22/2019	5/22/2019	01	Newegg Business, Inc	CE Dell	1301956634	\$ 18.44
122501	5/22/2019	5/22/2019	01	Newegg Business, Inc	CE Dell	1301956877	\$ 30.55
122501	5/22/2019	5/22/2019	01	Newegg Business, Inc	CE Dell	1301965042	\$ 295.22
122502	5/22/2019	5/22/2019	01	Nobel Systems Inc.	GIS Update to VVWRA Sewer System	14556	\$ 1,200.00
122503	5/22/2019	5/22/2019	01	Orkin	AV Subregional Pest Control	182756084	\$ 150.00
122504	5/22/2019	5/22/2019	01	Royal Wholesale Electric	Ethernet Network Training	6441-592647	\$ 1,850.00
122505	5/22/2019	5/22/2019	01	Safetynet Inc.	Confined Space Entry	66294	\$ 2,716.40
122505	5/22/2019	5/22/2019	01	Safetynet Inc.	Fall Protection Training	66219	\$ 2,316.40
122506	5/22/2019	5/22/2019	01	Town & Country Tire	Tire Repair	258502	\$ 74.74
122507	5/22/2019	5/22/2019	01	Water Environmental Research Foundation	WERF Membership Renewal - RE90BE	051519	\$ 328.00
122508	5/23/2019	5/23/2019	01	Donna Anthony	Retiree Health Benefit Allowance	ANTH052319	\$ 435.00
122509	5/23/2019	5/23/2019	01	Dan Sentman	Retiree Health Benefit Allowance	SENT052319	\$ 224.41
122510	5/31/2019	5/31/2019	01	American Water Works Association	00260849 Membership Renewal	7001678375	\$ 105.00
122511	5/31/2019	5/31/2019	01	Applied Industrial Technologies	Maintenance Belts	7016199931	\$ 14.44
122512	5/31/2019	5/31/2019	01	Apple Valley Transfer & Storage Db	Document Shredding Service	5783	\$ 45.00
122513	5/31/2019	5/31/2019	01	Battery Mart	Credit BATT000 043019	04302019	\$ (810.00)
122513	5/31/2019	5/31/2019	01	Battery Mart	GEM Cart Battery	292981	\$ 129.09
122513	5/31/2019	5/31/2019	01	Battery Mart	New Batteries for Golf Cart	292346	\$ 800.83

Victor Valley Reclamation Authority
Cash Disbursement Register
From 5/1/19 through 5/31/19

122514	5/31/2019	5/31/2019	01	Bio Vir Lab, Inc.	Sampling	182220	\$	1,240.00	
122515	5/31/2019	5/31/2019	01	Ced	Breakers for UPS	9085-684747	\$	86.97	
122515	5/31/2019	5/31/2019	01	Ced	Breakers for UPS	9085-684779	\$	63.43	
122516	5/31/2019	5/31/2019	01	City Employees Associates	Davis Association Dues	05302019	\$	25.00	
122517	5/31/2019	5/31/2019	01	Concorde Communications	Answering & Telephone Service	190510010	\$	104.90	
122518	5/31/2019	5/31/2019	01	Elliot'S Concrete Cutting & Conng	Hesperia Subregiona Core Drilling	1612	\$	250.00	
122519	5/31/2019	5/31/2019	01	Flyers Energy, Llc	Gasoline	CFS-1928115	\$	1,060.89	
122520	5/31/2019	5/31/2019	01	G.A. Osborne Pipe & Supply	Brass Unions	399029	\$	34.96	
122520	5/31/2019	5/31/2019	01	G.A. Osborne Pipe & Supply	Hesperia Subregional Wizard Project Mat	399032	\$	278.18	
122520	5/31/2019	5/31/2019	01	G.A. Osborne Pipe & Supply	Hesperia Subregional Wizard Project Mat	399158	\$	243.62	
122520	5/31/2019	5/31/2019	01	G.A. Osborne Pipe & Supply	Hesperia Subregional Wizard Project Mat	399214	\$	205.40	
122520	5/31/2019	5/31/2019	01	G.A. Osborne Pipe & Supply	Materials for Wizard Project	398857	\$	1,011.27	
122520	5/31/2019	5/31/2019	01	G.A. Osborne Pipe & Supply	PVC & Materials	399128	\$	553.23	
122521	5/31/2019	5/31/2019	01	Hi-Desert Communications	Site Rent	38396	\$	100.00	
122522	5/31/2019	5/31/2019	01	High Desert Lock & Safe	Hollow Metal Door	0000110547	\$	2,656.22	
122523	5/31/2019	5/31/2019	07	Jpr Systems, Inc.	SAFMSA-N4N4-A Block-Bleed Valves	17549	\$	1,465.86	
122524	5/31/2019	5/31/2019	01	Konica Minolta Business Solutions	Printing Charges	9005665161	\$	673.12	
122524	5/31/2019	5/31/2019	01	Konica Minolta Business Solutions	Printing Charges	9005699390	\$	640.43	
122525	5/31/2019	5/31/2019	01	Robert Lovingood	Commissioner Stipend	LOV041819	\$	100.00	
122526	5/31/2019	5/31/2019	01	Orkin	Pest Control	183691832	\$	390.61	
122527	5/31/2019	5/31/2019	07	Ponton Industries, Inc.	Deragger for HWRP Lift Station and Pum	20597-STOCK	\$	16,013.48	
122528	5/31/2019	5/31/2019	01	Prudential Overall Supply	Uniform Service	22797606	\$	542.12	
122528	5/31/2019	5/31/2019	01	Prudential Overall Supply	Uniform Service	22801072	\$	538.88	
122528	5/31/2019	5/31/2019	01	Prudential Overall Supply	Uniform Service	22804707	\$	544.10	
122529	5/31/2019	5/31/2019	01	Robertson'S Ready Mix, Ltd	Slurry Delivery	449181	\$	3,825.13	
122530	5/31/2019	5/31/2019	07	Royal Wholesale Electric	Dig 4-5 Materials	6441-594364	\$	1,638.03	
122530	5/31/2019	5/31/2019	07	Royal Wholesale Electric	Digester Project Wire	6441-593382	\$	2,036.48	
122531	5/31/2019	5/31/2019	01	Sparling Instruments, Inc.	DAF #2 TWAS Meter Electronics	10658401	\$	1,483.57	
122532	5/31/2019	5/31/2019	01	Transcat	Gas Scrubber Level Switch	1498274	\$	1,155.90	
122533	5/31/2019	5/31/2019	01	Verizon Wireless	Acct# 472015939-00013	9830109907	\$	76.02	
122533	5/31/2019	5/31/2019	01	Verizon Wireless	Acct. # 472015939-00001	9830109906	\$	1,768.70	
122534	5/31/2019	5/31/2019	01	City Of Victorville / Sanitation	Trash Service	3391395	\$	5,940.61	
							Total Checks	\$	215,928.96

0037685-1	5/2/2019	5/2/2019	01	Advanced Systems	Fleet Vehicle Wash	531	\$	385.00
0037685-10	5/2/2019	5/2/2019	01	Babcock Laboratories, Inc	Daily Grab/Final Effluent Sampling	BD90362	\$	6,097.40
0037685-10	5/2/2019	5/2/2019	01	Babcock Laboratories, Inc	Digester Sampling	BD90361	\$	2,960.00
0037685-10	5/2/2019	5/2/2019	01	Babcock Laboratories, Inc	Final Effluent Sampling	BD90363-2509	\$	3,152.00
0037685-11	5/2/2019	5/2/2019	07	Fluid Components Intl. C/O Ponton Indust	Gas FFT for Dig 4-5 and Waste in Dig 1-2	1125471	\$	29,841.16
0037685-12	5/2/2019	5/2/2019	01	Gierlich Mitchell, Inc.	Ebara Subpumps	15473	\$	3,050.07
0037685-13	5/2/2019	5/2/2019	07	Graham Equipment	Delivery for K Rails	015552	\$	2,400.00
0037685-13	5/2/2019	5/2/2019	07	Graham Equipment	K Rails	015546	\$	3,232.50
0037685-14	5/2/2019	5/2/2019	01	Graybar Electric Co., Inc.	Materials for Davis Electric	9309726926	\$	311.12
0037685-15	5/2/2019	5/2/2019	01	Haaker Equipment Company	Vactor 1 Week Rental	E11169	\$	3,285.00
0037685-16	5/2/2019	5/2/2019	01	Hach Company	Hesperia Subregional pH Probes	11429490	\$	3,876.37
0037685-17	5/2/2019	5/2/2019	01	Jlink Business Management	AV Subregional Custodial Services	91172	\$	263.88
0037685-18	5/2/2019	5/2/2019	01	Larry Walker Associates	NPDES Permit Renewal	00054.45-13	\$	1,487.00
0037685-18	5/2/2019	5/2/2019	01	Larry Walker Associates	Regulatory Assistance	00054.51-2	\$	2,396.00
0037685-18	5/2/2019	5/2/2019	01	Larry Walker Associates	Seep Mitigation	00054.52-1	\$	3,793.50
0037685-19	5/2/2019	5/2/2019	01	Principal Life Ins. Co.	Dental and Vision Insurance	041719	\$	3,553.80
0037685-2	5/2/2019	5/2/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97053897	\$	618.60
0037685-2	5/2/2019	5/2/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97056367	\$	21.73
0037685-20	5/2/2019	5/2/2019	01	Teledyne Isco	Isco Parts	S020319248	\$	5,872.38
0037685-21	5/2/2019	5/2/2019	01	T-Mobile	Mobil Hot Spot	04212019	\$	119.00
0037685-22	5/2/2019	5/2/2019	01	Trimax Systems	Hesperia Subregional SCADA Upgrade	109517	\$	1,250.00
0037685-22	5/2/2019	5/2/2019	01	Trimax Systems	Integration work for Pump #3 Grinder	109523	\$	1,990.00
0037685-22	5/2/2019	5/2/2019	01	Trimax Systems	OYOE PS Generator SCADA Integration	109522	\$	1,980.00
0037685-23	5/2/2019	5/2/2019	01	U.S.A. Bluebook	Floats and Accessories	871265	\$	437.22
0037685-23	5/2/2019	5/2/2019	01	U.S.A. Bluebook	Lab Buffers	878393	\$	276.85
0037685-24	5/2/2019	5/2/2019	01	U.S. Bank	Cal Card Statement March 2019	03222019	\$	5,918.58
0037685-25	5/2/2019	5/2/2019	01	Waukesha-Pearce Industries, Llc	Waukesha Parts	786888	\$	817.08
0037685-26	5/2/2019	5/2/2019	01	Xylem Dewatering Solutions	Godwin Check Ball Seat	400904065	\$	200.05
0037685-26	5/2/2019	5/2/2019	01	Xylem Dewatering Solutions	Godwin Check Ball Seat	400904066	\$	200.05
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	CEQA MATTERS	846415	\$	226.80
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	CONTRACT REVIEW	846413	\$	712.80
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	ETHICS AND GOVERNANCE	846417	\$	1,004.40
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	EVALUATION OF VICTORVILLE PRO	846414	\$	2,689.20
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	GENERAL - RETAINER	846409	\$	11,671.30
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	LABOR MATTERS	846410	\$	5,969.55
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	LAHONTAN REGIONAL WATER QUA	846416	\$	3,499.20
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	PROJECTS	846411	\$	29.34
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	PUBLIC CONTRACT DRAFTING	846412	\$	416.00
0037685-3	5/2/2019	5/2/2019	01	Best, Best & Krieger, L.L.P.	RATE AND CHARGES ANALYSIS	846418	\$	680.40
0037685-4	5/2/2019	5/2/2019	07	Biogas Engineering	Intergration of Digesters	291	\$	2,550.00
0037685-4	5/2/2019	5/2/2019	01	Biogas Engineering	Net Energy Metering	292	\$	3,250.00
0037685-5	5/2/2019	5/2/2019	01	Blackline Safety Corp	Loner Device Lease	INV2017542	\$	210.00
0037685-6	5/2/2019	5/2/2019	01	Carollo Engineers, A Professional Corpor	Plant Capacity Study	0175852	\$	6,818.19
0037685-7	5/2/2019	5/2/2019	01	Cdw Government, Inc	Material for Upper Adm Building	RVH0860	\$	314.79
0037685-7	5/2/2019	5/2/2019	01	Cdw Government, Inc	Materials for Upper Admin Building Netw	RSF4189	\$	179.81
0037685-7	5/2/2019	5/2/2019	01	Cdw Government, Inc	Materials for Upper Admin Building Netw	RSN6240	\$	370.21
0037685-7	5/2/2019	5/2/2019	01	Cdw Government, Inc	Materials for Upper Admin Building Netw	RSW9673	\$	66.70
0037685-8	5/2/2019	5/2/2019	01	Consumers Pipe & Supply, Co.	Blind Flange	S1430893.001	\$	34.60
0037685-9	5/2/2019	5/2/2019	01	Dudek	Interceptor Capacity Study	20191852	\$	3,293.20

**Victor Valley Reclamation Authority
Cash Disbursement Register
From 5/1/19 through 5/31/19**

0037686	5/2/2019	5/2/2019	01	David Wylie	Safety Training Mileage Reimbursement	042419	\$	175.16
0038002-1	5/8/2019	5/8/2019	01	A.D.S. Corp.	Flow Monitoring	12928.22-0419	\$	8,333.28
0038002-10	5/8/2019	5/8/2019	01	Protection One	Protection One Monitoring	128402248	\$	871.83
0038002-11	5/8/2019	5/8/2019	01	Rafelis	Rate and Connection Fee Study	11786	\$	240.00
0038002-12	5/8/2019	5/8/2019	07	Tyler Technologies, Inc	Business Process Review	025-254458	\$	3,844.75
0038002-12	5/8/2019	5/8/2019	07	Tyler Technologies, Inc	Initial Conversion Analysis	025-255863	\$	93.75
0038002-13	5/8/2019	5/8/2019	01	Underground Service Alert Of Southern C	Dig Alert Charges	420190799	\$	127.15
0038002-13	5/8/2019	5/8/2019	01	Underground Service Alert Of Southern C	Regulatory Cost	18d5bfee2414	\$	52.67
0038002-2	5/8/2019	5/8/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97037568	\$	682.17
0038002-2	5/8/2019	5/8/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97054396	\$	15.48
0038002-2	5/8/2019	5/8/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97054397	\$	21.94
0038002-2	5/8/2019	5/8/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97058122	\$	37.42
0038002-3	5/8/2019	5/8/2019	01	Bargain Byte	Hesperia Subregional Wifi Repair	42519	\$	500.00
0038002-3	5/8/2019	5/8/2019	01	Bargain Byte	Security Camera	42219	\$	1,458.99
0038002-4	5/8/2019	5/8/2019	01	Beck Oil, Inc.	Propane	355010	\$	23.38
0038002-5	5/8/2019	5/8/2019	01	Bsk Associates	SIU Sampling and Analysis	R900189	\$	1,349.00
0038002-6	5/8/2019	5/8/2019	01	Grainger	Chemical Spill Kit	9116268385	\$	626.46
0038002-6	5/8/2019	5/8/2019	01	Grainger	Drill Driven Pump	9114781728	\$	21.90
0038002-6	5/8/2019	5/8/2019	01	Grainger	Gate Valve Lockout	9129367455	\$	43.64
0038002-6	5/8/2019	5/8/2019	01	Grainger	Hooded Disposable Coveralls	9137801248	\$	294.41
0038002-6	5/8/2019	5/8/2019	01	Grainger	Leather Gloves	9132829970	\$	174.13
0038002-6	5/8/2019	5/8/2019	01	Grainger	Safety Supplies	9116206724	\$	289.45
0038002-6	5/8/2019	5/8/2019	01	Grainger	Sports Drink and Gate Valve	9127971969	\$	343.90
0038002-6	5/8/2019	5/8/2019	01	Grainger	US Flag	9136025567	\$	104.40
0038002-7	5/8/2019	5/8/2019	01	link Business Management	AV Subregional Custodial Services	92241	\$	263.88
0038002-7	5/8/2019	5/8/2019	01	link Business Management	Janitorial Services	165	\$	2,569.76
0038002-7	5/8/2019	5/8/2019	01	link Business Management	Janitorial Services	166	\$	2,569.76
0038002-8	5/8/2019	5/8/2019	01	Mcgrath Rentcorp	Admin Office Lease	1939902	\$	5,040.11
0038002-9	5/8/2019	5/8/2019	01	Mc Master-Carr Supply Co.	Alloy Steel Pipe	91942968	\$	193.33
0038499-1	5/17/2019	5/17/2019	01	2G Energy Inc.	Gen Service	415-08900162	\$	2,225.00
0038499-10	5/17/2019	5/17/2019	01	Hach Company	SC200 Repair	11442772	\$	815.75
0038499-10	5/17/2019	5/17/2019	01	Hach Company	SC200 Repair	11443636	\$	264.00
0038499-11	5/17/2019	5/17/2019	01	link Business Management	AV Subregional Custodial Services	93508	\$	263.88
0038499-12	5/17/2019	5/17/2019	01	Jwc Environmental Inc	Septage Auger	97102	\$	30,356.23
0038499-13	5/17/2019	5/17/2019	01	Uc Regents	CEC Renewable Energy Storage Project	81043-017	\$	2,621.80
0038499-14	5/17/2019	5/17/2019	01	U.S.A. Bluebook	Floats and Accessories	871418	\$	708.51
0038499-15	5/17/2019	5/17/2019	07	Walters Wholesale Electric	Digester 4-5 Project Conduit	S112948352.001	\$	2,141.82
0038499-16	5/17/2019	5/17/2019	01	Waxie Sanitary Supply	Janitorial Supplies	7825889	\$	827.96
0038499-17	5/17/2019	5/17/2019	01	Xylem Water Solutions	UV Components	3556A63760	\$	328.55
0038499-17	5/17/2019	5/17/2019	01	Xylem Water Solutions	UV Components	3556A64266	\$	65.29
0038499-17	5/17/2019	5/17/2019	01	Xylem Water Solutions	UV Connector Frames	3556A65287	\$	262.46
0038499-2	5/17/2019	5/17/2019	01	Solenis Llc	Polymer Delivery	131445314	\$	81,154.51
0038499-3	5/17/2019	5/17/2019	01	Beck Oil, Inc.	Diesel Delivery	355352	\$	2,635.04
0038499-4	5/17/2019	5/17/2019	01	Biogas Power Systems- Mojave, Llc	Biogas Project	VVWRA-19-05	\$	64,119.27
0038499-5	5/17/2019	5/17/2019	01	Biogas Engineering	CEC Microgrid Battery Storage Project	243-CEC	\$	1,166.40
0038499-6	5/17/2019	5/17/2019	01	Cdw Government, Inc	UPS 1000 for Stock	SCV1374	\$	1,298.78
0038499-6	5/17/2019	5/17/2019	07	Cdw Government, Inc	UPS for EQ MCC Fiber Nrtwork HUB	SBM3838	\$	1,412.85
0038499-6	5/17/2019	5/17/2019	01	Cdw Government, Inc	UPS for Primary Influent Gate Motors Op	RZP3417	\$	4,802.09
0038499-7	5/17/2019	5/17/2019	01	Culligan Water Conditioning	Water Softener	201904401	\$	502.90
0038499-8	5/17/2019	5/17/2019	01	Grainger	Lockout Padlock	9131711542	\$	56.24
0038499-9	5/17/2019	5/17/2019	01	Haaker Equipment Company	Nozzles	C51000	\$	4,984.33
0038500-1	5/17/2019	5/17/2019	01	Latif Laari	College Tuition Reimbursement	051319	\$	6,216.76
0038500-2	5/17/2019	5/17/2019	01	Casteel, Kristi	Mileage Reimbursement- Recorders Office	051419	\$	56.49
0038785-1	5/23/2019	5/23/2019	01	2G Energy Inc.	2G Parts	415-08900152	\$	8,595.74
0038785-10	5/23/2019	5/23/2019	01	Industrial Water Services	Hesperia Subregional UV Passivation	5138	\$	2,625.00
0038785-11	5/23/2019	5/23/2019	01	Mine Safety Appliances C O Mag Systems	Hesperia Subregional PCBs for Gas Monit	960296974	\$	3,361.88
0038785-12	5/23/2019	5/23/2019	07	Walters Wholesale Electric	Dig 4-5 Project Conduit Work Material	S113022429.001	\$	831.80
0038785-2	5/23/2019	5/23/2019	01	Aquarus Technologies, Lic	Hesperia Subregiona Diffusers	IN0865	\$	1,003.54
0038785-3	5/23/2019	5/23/2019	01	Bargain Byte	Camera and Installation/ Firmware Adjust	51219	\$	5,525.50
0038785-3	5/23/2019	5/23/2019	01	Bargain Byte	Install Cameras and Conduit	51619	\$	2,252.06
0038785-4	5/23/2019	5/23/2019	01	Fedak & Brown Lip	FY 18-19 Audit Service	043019	\$	550.00
0038785-5	5/23/2019	5/23/2019	01	D.K.F. Solutions Inc.	MSO Subscription	14424	\$	350.00
0038785-6	5/23/2019	5/23/2019	01	Energy Dynamics	2G Heads Rebuild	1197185	\$	15,043.26
0038785-7	5/23/2019	5/23/2019	01	Babcock Laboratories, Inc	Daily Grab/Fianl Effluent April 2019	BE91191-2509	\$	6,390.60
0038785-7	5/23/2019	5/23/2019	01	Babcock Laboratories, Inc	Digester Sampling	BE91190-2509	\$	2,988.00
0038785-8	5/23/2019	5/23/2019	01	Grainger	Water Strainer	9145434644	\$	47.34
0038785-9	5/23/2019	5/23/2019	07	Graybar Electric Co., Inc.	Digester Project Materials for Big Bear	9309841382	\$	2,419.56
0038798-1	5/23/2019	5/23/2019	01	Billings, Richard	Retiree Health Benefit Allowance	BILL052319	\$	435.00
0038798-10	5/23/2019	5/23/2019	01	Randy Main	Retiree Health Benefit Allowance	MAIN052319	\$	435.00
0038798-11	5/23/2019	5/23/2019	01	Mark Megee	Retiree Health Benefit Allowance	MCGE052319	\$	435.00
0038798-12	5/23/2019	5/23/2019	01	Lillie Montgomery	Retiree Health Benefit Allowance	MONT052319	\$	163.37
0038798-13	5/23/2019	5/23/2019	01	L. Christina Nalian	Retiree Health Benefit Allowance	NALI052319	\$	435.00
0038798-14	5/23/2019	5/23/2019	01	Nave, Patrick	Retiree Health Benefit Allowance	NAVE052319	\$	435.00
0038798-2	5/23/2019	5/23/2019	01	Roy Dagnino	Retiree Health Benefit Allowance	DAGNO52319	\$	435.00
0038798-3	5/23/2019	5/23/2019	01	Tim Davis	Retiree Health Benefit Allowance	DAVI052319	\$	435.00
0038798-4	5/23/2019	5/23/2019	01	Terrie Gossard Flint	Retiree Health Benefit Allowance	FLIN052319	\$	258.83
0038798-5	5/23/2019	5/23/2019	01	Gillette, Randy	Retiree Health Benefit Allowance	GILL052319	\$	435.00
0038798-6	5/23/2019	5/23/2019	01	Darline Gyurcsik	Retiree Health Benefit Allowance	GYUR052319	\$	224.41
0038798-7	5/23/2019	5/23/2019	01	Thomas Hinojosa	Retiree Health Benefit Allowance	HINO052319	\$	435.00
0038798-8	5/23/2019	5/23/2019	01	Patricia J Johnson	Retiree Health Benefit Allowance	JOHN052319	\$	187.74
0038798-9	5/23/2019	5/23/2019	01	Olin Keniston	Retiree Health Benefit Allowance	KENI052319	\$	258.83
0039070-1	5/30/2019	5/30/2019	01	All Covered	Cisco AnyConnect Plus	896769	\$	250.00
0039070-1	5/30/2019	5/30/2019	01	All Covered	SQL Support and Enhancements	894801	\$	1,360.00
0039070-10	5/30/2019	5/30/2019	01	Jwc Environmental Inc	Muffin Monster Grinder	97366	\$	10,727.30
0039070-11	5/30/2019	5/30/2019	01	Netgain Networks, Inc	Network Assessment VVWRA, AWRP, H	10733	\$	6,135.00
0039070-12	5/30/2019	5/30/2019	01	Principal Life Ins. Co.	Dental and Vision Insurance	051819	\$	3,553.80
0039070-13	5/30/2019	5/30/2019	01	Reliant Water Technologies	4 Wizzards & 1 Blower for Hesperia Lift	5119	\$	19,150.14
0039070-14	5/30/2019	5/30/2019	01	Sensaphone	Sentinel Pro Annual Cellular	05032019	\$	419.40
0039070-15	5/30/2019	5/30/2019	07	Tyler Technologies, Inc	Initial Conversion Analysis	025-257391	\$	309.37
0039070-16	5/30/2019	5/30/2019	01	Uc Regents	CEC Battery Installation Project	81043-018	\$	42.55

**Victor Valley Reclamation Authority
Cash Disbursement Register
From 5/1/19 through 5/31/19**

0039070-17	5/30/2019	5/30/2019	01	U.S.A. Bluebook	Lab Supplies	887264	\$	1,000.54	
0039070-17	5/30/2019	5/30/2019	01	U.S.A. Bluebook	Lab Supplies	891684	\$	192.20	
0039070-18	5/30/2019	5/30/2019	01	Victor Valley Wastewater Employees Assn	Employee Association Dues	05302019	\$	600.00	
0039070-2	5/30/2019	5/30/2019	01	American Express	American Express Charges April 2019	04292019	\$	11,708.57	
0039070-3	5/30/2019	5/30/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97062757	\$	423.77	
0039070-3	5/30/2019	5/30/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97063195	\$	236.35	
0039070-4	5/30/2019	5/30/2019	01	Beck Oil, Inc.	Propane	356842	\$	20.05	
0039070-5	5/30/2019	5/30/2019	07	Biogas Engineering	Integration of Digester	303	\$	1,050.00	
0039070-5	5/30/2019	5/30/2019	01	Biogas Engineering	Net Energy Metering	304	\$	1,604.00	
0039070-6	5/30/2019	5/30/2019	01	Deloach & Associates, Inc	Organizational Performance Assessment	1513	\$	13,320.00	
0039070-6	5/30/2019	5/30/2019	01	Deloach & Associates, Inc	Organizational Performance Assessment	1518	\$	1,125.00	
0039070-6	5/30/2019	5/30/2019	01	Deloach & Associates, Inc	Organizational Performance Assessment	1519	\$	3,875.00	
0039070-7	5/30/2019	5/30/2019	01	Evoqua Water Technologies Lic	Bioxide Delivery	904001362	\$	9,294.09	
0039070-8	5/30/2019	5/30/2019	01	Grainger	Fuse for DAFT Recycle Pumps	9150677814	\$	134.47	
0039070-8	5/30/2019	5/30/2019	01	Grainger	Portable Label Printer	9158416181	\$	57.61	
0039070-9	5/30/2019	5/30/2019	01	Hach Company	Sensor Connector for pH Probe	11467127	\$	59.20	
0039071	5/31/2019	5/31/2019	01	Olds, Logan	Olds Service Credit Buyback Return	053019	\$	790.04	
050219SWG	5/2/2019	5/2/2019	01	Southwest Gas Company	VVWRA Natrual Gas	042419	\$	2,464.92	
050219UPS	5/2/2019	5/2/2019	01	Ups	Express Shipping	0000615V7V169	\$	21.26	
050219UPS	5/2/2019	5/2/2019	01	Ups	Express Shipping	0000615V7V179	\$	40.45	
051419UPS	5/15/2019	5/15/2019	01	Ups	Express Shipping	0000615V7V189	\$	128.90	
051419UPS	5/15/2019	5/15/2019	01	Ups	Express Shipping	0000615V7V199	\$	336.19	
052319CHAR	5/23/2019	5/23/2019	01	Charter Communications	Telephone Charges	0013529050719	\$	4,849.66	
052319SWG	5/23/2019	5/23/2019	01	Southwest Gas Company	Hesperia Subregional Natural Gas - Fresno	050919	\$	25.00	
052319SWGGA	5/23/2019	5/23/2019	01	Southwest Gas Company	Hesperia Subregional Natural Gas - Appal	05092019	\$	112.08	
052319SWGGB	5/23/2019	5/23/2019	01	Southwest Gas Company	AV Subregional Gas - Oroe	051019	\$	51.68	
052319UPS	5/23/2019	5/23/2019	01	Ups	Express Shipping	0000615V7V209	\$	503.97	
1437316810	5/23/2019	5/23/2019	01	Southern California Edison	Electricity	050819	\$	517.10	
1439312611	5/23/2019	5/23/2019	01	Southern California Edison	Hesperia Subregional Electricity - Appalor	051119	\$	13,685.69	
19156671	5/15/2019	5/15/2019	01	Lincoln Financial Group	Life and Disability Insurance	3870429687	\$	3,686.23	
19156671	5/15/2019	5/15/2019	01	Lincoln Financial Group	Life and Disability Insurance	3870430375	\$	94.66	
26112931	5/2/2019	5/2/2019	01	Southern California Edison	Hesperia Subregional Electricity - Appalos	041319	\$	12,952.99	
3607639	5/2/2019	5/2/2019	01	Swrcb	6B361005756 Index 370530 Permit Renew	SW-0171072	\$	1,400.00	
3662338	5/31/2019	5/31/2019	01	Swrcb	Hesperia Subregional No Exposure Cernfi	SA504262	\$	150.00	
41340867	5/15/2019	5/15/2019	01	Hesperia Water District	Hesperia Subregional Water Usage	050619	\$	5,223.42	
52892931	5/2/2019	5/2/2019	01	Southern California Edison	Apple Valley Subregional Electricity- Otor	041619	\$	1,723.93	
897582	5/15/2019	5/15/2019	01	Konica Minolta Business Solutions	Printer Lease	33434404	\$	351.02	
96864931	5/15/2019	5/15/2019	01	Southern California Edison	Electricity	04252019	\$	97,092.27	
							Total ACH & EFT's	\$	590,264.17

APPROVED
Chase 060619

Total Checks	\$	215,928.96
Total ACH and EFT	\$	590,264.17
Total Payroll - May 2019	\$	383,895.39
Total	\$	1,190,088.52

**MINUTES OF A REGULAR MEETING
REGULAR MEETING OF THE BOARD OF COMMISSIONERS
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY (VWVRA)
May 16, 2019**

CALL TO ORDER: Chair Robert Lovingood called the meeting to order at 8:04 am; in Conference Room D at Victorville City Hall, located at 14343 Civic Drive, Victorville California, with the following members present:

**ORO GRANDE (CSA 42) AND
SPRING VALLEY LAKE (CSA 64)
TOWN OF APPLE VALLEY
CITY OF VICTORVILLE
CITY OF HESPERIA**

Robert Lovingood, Chair

Scott Nassif, Vice-Chair

Jim Cox, Secretary

ABSENT

VWVRA Staff and Legal Counsel:

**Logan Olds, General Manager
Kristi Casteel, Secretary to GM/Board
Piero Dallarda, Legal Counsel (BB&K)
Chieko Keagy, Controller
David Wylie, Safety & Communications Officer**

**Robert Coromina, Director of Administration
Alton Anderson, Construction Manager
Xiewi Wang, Senior Accountant
Latif Laari, Business Applications Manager**

Others Present:

**Art Bishop, Apple Valley
Debra Jones, City of Victorville
George Harris, City of Victorville
Brian Gengler, City of Victorville
Don Holland, County of San Bernardino
Robert DeLoach, DeLoach & Associates**

**Don Holland, County of San Bernardino
Carl Coleman, Mojave Water
Kimberly Cox, Helendale
Arnold Ramirez, Biogas Engineers
Thurston Smith, Mojave Water Agency
Keith Metzler, City of Victorville**

CLOSED SESSION

PUBLIC COMMENTS- CLOSED SESSION AGENDA

Chair Lovingood asked if there were any comments from the public regarding any item on the Closed Session Agenda. There was one public comment.

Regarding item 30 Robert Coromina made comments

Chair Lovingood called for a motion to enter into Closed Session.

Commissioner Nassif made a motion to enter into Closed Session. Seconded by Commissioner Cox.

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Thursday May 16, 2019
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REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

Chair Lovingood called the meeting to order at 9:38 AM.

REPORT FROM CLOSED SESSION

Nothing to report

PUBLIC COMMENTS- REGULAR SESSION AGENDA

Kimberly Cox, Alton Anderson, and Carl Coleman made comments on Logan Old's departure.

ANNOUNCEMENTS AND CORRESPONDENCE:

7. Possible conflict of interest issues

Commissioner Nassif will be abstaining from any disbursements to Napa Auto Parts on item 11

8. Article: Sewer-blocking London Concreteberg Weighs as Much as a Whale

9. Letter: California Association of Sanitation Agencies

10. NACWA Advocacy Alert

CONSENT CALENDAR:

11. Approve April 2018 Disbursement Registers

12. Approve Minutes from the April 18, 2018 Regular Meeting and the Special Meeting on May 1, 2019

13. Recommendation to Ratify Emergency Work for Ponds 10 and 11

14. Recommendation to Replace Spencer Blowers for Digesters 4 and 5

15. Recommendation to Update Authorized Officers for Desert Community Bank

16. Recommendation to Amend the 2019 Meeting Schedule

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Commissioner Nassif made a motion to approve the consent calendar, seconded by Commissioner Cox and approved by roll call vote with Commissioner Nassif abstaining from any disbursements to Napa Auto Parts.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

REPORTS & PRESENTATIONS:**17. Presentation: Organizational Performance Assessment- Robert DeLoach**

Robert DeLoach gave a presentation on the Organizational Performance Assessment

18. Presentation: FY 2018-2019 Budget- Chieko Keagy

Chieko Keagy gave a presentation on the FY 2018-2019 Budget

ACTION & DISCUSSION ITEMS:**19. Discussion Regarding Fiscal Year 19-20 Budget and Financial Plan**

There was no action taken on this item.

20. Recommendation to Approve Resolution 2019-06- Categorical Exemption From CEQA for Storm Water Project

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

21. Recommendation to Approve Resolution 2019-08- Categorical Exemption From CEQA for the Oro Grande Lift Station and Pipeline Replacement Project

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

VVWRA Regular Meeting Minutes**Thursday May 16, 2019****Page 4**

Commissioner Cox: Yes

22. Recommendation to Receive and File VVWRA Wastewater Treatment Plant Capacity Study

Commissioner Nassif made a motion to approve the recommendation, seconded by Chair Lovingood and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

23. Recommendation to Acquire a Parcel on Tao Road

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

24. Recommendation to Approve Extension of Lewis Center Easement

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

25. Recommendation to Approve Resolution 2019-07 to Amend the Asset Management Policy

Commissioner Nassif made a motion to approve the recommendation, seconded by Chair Lovingood and approved by roll call.

VVWRA Regular Meeting Minutes**Thursday May 16, 2019**

Page 5

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

26. Recommendation to Receive and File Standard Operating Procedures for Member Agencies Direct Sewer Connection to VVWRA Interceptors

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

27. Recommendation to Renew Contract with ADS Environmental

Commissioner Cox made a motion to approve the recommendation, seconded by Commissioner Nassif and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

28. Recommendation to Approve Operations Building Expansion

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

29. Recommendation to Approve the MCC-D Replacement at the Regional Plant

VVWRA Regular Meeting Minutes**Thursday May 16, 2019****Page 6**

Commissioner Cox made a motion to approve the recommendation, seconded by Chair Lovingood and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

30. Recommendation to Approve Contract for Logan Olds

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

31. Recommendation to Approve Contract for General Manager Recruitment-DeLoach and Associates

Commissioner Cox made a motion to approve the recommendation, seconded by Commissioner Nassif and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

STAFF/PROFESSIONAL SERVICES REPORTS:

32. Financial and Investment Report – April 2019

33. Operations & Maintenance Report – April 2019

34. Environmental Compliance Department Reports – April 2019

35. Septage Receiving Facility Reports – April 2019

36. Safety & Communications Report – April 2019

VVWRA Regular Meeting Minutes

Thursday May 16, 2019

Page 7

PUBLIC COMMENTS-

Kimberly Cox a letter from Patty Kouyoumdjian at Lahontan regarding the departure of Logan Olds

NEXT VVWRA BOARD MEETING:

Thursday, June 20, 2019 - Regular Meeting of the Board of Commissioners

FUTURE AGENDA ITEMS

USDA Loan and Grant for the Oro Grand Interceptor Project

COMMISSIONER COMMENTS

CLOSED SESSION (If Closed Session is continued)

ADJOURNMENT

APPROVAL:

DATE: June 20, 2019

BY: _____

Approved by VVWRA Board James Cox,
Secretary VVWRA Board of Commissioners

**MINUTES OF A REGULAR MEETING
SPECIAL MEETING OF THE BOARD OF COMMISSIONERS
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY (VWVRA)
June 5, 2019**

CALL TO ORDER: Chair Robert Lovingood called the meeting to order at 8:05 am; at the First District Supervisor San Bernardino County Victorville Office, 12474 Cottonwood Avenue, Suite A in Victorville, California, with the following members present:

ORO GRANDE (CSA 42) AND SPRING VALLEY LAKE (CSA 64) TOWN OF APPLE VALLEY CITY OF VICTORVILLE CITY OF HESPERIA	Robert Lovingood, Chair Scott Nassif, Vice-Chair Jim Cox, Secretary ABSENT
--	--

VWVRA Staff and Legal Counsel:

Kristi Casteel, Secretary to GM/Board

Piero Dallarda, Legal Counsel (BB&K)

Others Present:

Debra Jones, Victorville

Don Holland, County of San Bernardino

Nils Bentsen, City of Hesperia

Keith Metzler, City of Victorville

Robert DeLoach, DeLoach & Associates

CLOSED SESSION

PUBLIC COMMENTS- CLOSED SESSION AGENDA

Chair Lovingood asked if there were any comments from the public regarding any item on the Closed Session Agenda. Hearing none, Chair Lovingood called for a motion to enter into Closed Session.

Commissioner Nassif made a motion to enter into Closed Session. Seconded by Commissioner Cox.

REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

Chair Lovingood called the meeting to order at 9:38 AM.

REPORT FROM CLOSED SESSION

Piero Dallarda stated that the Board met in Closed Section under Government Code Section 54957 to discuss Public Employee Appointment for Interim General Manager

VVWRA Special Meeting Minutes**Thursday June 5, 2019****Page 2**

and the Board decided to call a Special Meeting on Monday, June 10 at 8:30 AM at the same location as today to hold interviews for the Interim General Manager and to discuss the position. As for authority, in terms of signing for checks, to allow for payment the Board decided that Chair Lovingood and Commissioner Nassif will be signing the checks and the amounts of the checks need to have prior approval from the Department Managers to ensure that they are the proper amounts to be paid.

For Item 2 the Board met in Closed Section under Government Code Section 54957 and provided Mr. DeLoach with guidance in terms on the advertising for the permanent General Manager to be reflective in the advertising flyer. Those terms will include salary range and the term in which the interviews will be held.

PUBLIC COMMENTS- REGULAR SESSION AGENDA**ACTION & DISCUSSION ITEMS:**

- 3. Public Employee Appointment- Interim General Manager - Terms of Employment and Authority**
- 4. Public Employee Appointment- General Manager – Advertising of Position and Potential Terms of Employment**

NEXT VVWRA BOARD MEETING:**Thursday, June 20, 2019 - Regular Meeting of the Board of Commissioners****COMMISSIONER COMMENTS****CLOSED SESSION (If Closed Session is continued)****ADJOURNMENT**

VVWRA Special Meeting Minutes
Thursday June 5, 2019
Page 3

APPROVAL:

DATE: June 20, 2019

BY:

Approved by VVWRA Board James Cox,
Secretary VVWRA Board of Commissioners

**MINUTES OF A REGULAR MEETING
REGULAR MEETING OF THE BOARD OF COMMISSIONERS
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY (VWRA)**

June 10, 2019

CALL TO ORDER: Chair Robert Lovingood called the meeting to order at 8:36 am; at the First District Supervisor San Bernardino County Victorville Office, 12474 Cottonwood Avenue, Suite A in Victorville, California, with the following members present:

ORO GRANDE (CSA 42) AND SPRING VALLEY LAKE (CSA 64) TOWN OF APPLE VALLEY CITY OF VICTORVILLE CITY OF HESPERIA	Robert Lovingood, Chair Scott Nassif, Vice-Chair Keith Metzler, Alternate Larry Bird, Treasurer
--	---

VWRA Staff and Legal Counsel:

Kristi Casteel, Secretary to GM/Board	Piero Dallarda, Legal Counsel (BB&K)
--	---

Others Present:

Don Holland, San Bernardino County	Nils Bentsen, City of Hesperia
---	---------------------------------------

CLOSED SESSION

PUBLIC COMMENTS- CLOSED SESSION AGENDA

Chair Lovingood asked if there were any comments from the public regarding any item on the Closed Session Agenda. Hearing none, Chair Lovingood called for a motion to enter into Closed Session.

Commissioner Nassif made a motion to enter into Closed Session. Seconded by Commissioner Bird.

REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

Chair Lovingood called the meeting to order at 10:14 AM.

REPORT FROM CLOSED SESSION

Piero Dallarda stated that the Board met in Closed Section under Government Code Section 54957 to discuss Public Employee Appointment for Interim General Manager and the Board by consensus agrees with the recommendations made by Robert DeLoach for the Interim General Manager Position.

VVWRA Special Meeting Minutes**Thursday June 10, 2019****Page 2**

and the Board by consensus agrees with the recommendations made by Robert DeLoach for the Interim General Manager Position.

PUBLIC COMMENTS- REGULAR SESSION AGENDA

NONE

ACTION & DISCUSSION ITEMS:

- 3. Public Employee Appointment-Interim General Manager-Terms of Employment and Authority**
- 4. Public Employee Appointment-General Manager-Advertising of Position and Potential Terms of Employment.**
- 5. Resolution 2019-09- Authorization for Bank Signature Card**

Piero Dallarda stated that under section 2 A needs to be amended to add after the term \$30,000, with prior notification to the Board

Commissioner Bird made a motion to approve the recommendation as amended, seconded by Commissioner Nassif and approved by roll call.

Commissioner Nassif: Yes

Commissioner Bird: Yes

Commissioner Metzler: Yes

Commissioner Holland: Yes

NEXT VVWRA BOARD MEETING:**Thursday, June 20, 2019 - Regular Meeting of the Board of Commissioners****FUTURE AGENDA ITEMS****USDA Loan and Grant for the Oro Grand Interceptor Project****COMMISSIONER COMMENTS****CLOSED SESSION (If Closed Session is continued)**

VVWRA Special Meeting Minutes
Thursday June 10, 2019
Page 3

ADJOURNMENT

APPROVAL:

DATE: June 20, 2019

BY:

Approved by VVWRA Board James Cox,
Secretary VVWRA Board of Commissioners



VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
Report/Recommendation to the Board of Commissioners

June 20, 2019

FROM: Robert Coromina, Director of Administration *RC*

TO: Board of Commissioners

SUBJECT: Ferric Chloride Emergency

RECOMMENDATION

It is recommended that the Board of Commissioners ratify the expenditure of \$35,850.34 for remediation of contaminated soil resulting from an unmarked valve being left in an open position.

REVIEW BY OTHERS

This recommendation has been prepared by Robert Coromina, Director of Administration and reviewed by Brian Macy, Interim General Manager, Piero Dallarda, Legal Counsel and Eugene Davis, Operations and Maintenance Manager.

BACKGROUND INFORMATION

VWRA experienced a overflow of the Ferric Chloride containment system on 03/14/19. The overflow resulted from an unmarked valve which was left in an open position. This caused the spill containment enclosure to fill up and overflow and approximately 1000 gallons of the chemical saturated the surrounding soil. As the overflow occurred during the overnight hours, it was not caught by staff until the following morning, at which time the flow was stopped and the open valve was reset to the appropriate position.

The resulting overflow saturated approximately 1 to 2 ft deep into the soil around the ferric storage tank. In order to comply with safety guidelines, the area was remediated to a depth of 3 feet to insure all the saturated soil was removed from the area. The soil was then placed into OSHA approved containers for transportation and sent to Heritage Environmental Services for cleanup and disposal.

In order to mitigate the chance of reoccurrence, the valve has been clearly marked and locked out. Access to the valve is locked and any access requires a key and manager level authority. Training has been provided to all operations and maintenance staff on the proper operation and use for the valve. In order to expedite the clean up of the area and to decrease expenses, all clean up of the contaminated soil was completed by staff under the supervision of the safety officer. This effort resulted in a savings of approximately \$15,000 for VWRA.

FINANCIAL IMPACT

This is an unbudgeted emergency expense of \$35,850.34 and is the net cost of the remediation of the contaminated soil.

Finance Approval:

Fund 01 or 07		
Accounting Code (String) example: 01-xx-xxx-xxxx (project code if any)	01-02-505-7140-9999 01-02-505-8130-9999	
Transfer from Reserve	Y []	N [X]
If Transfer, from Which Reserve		
Outside Funding Source if applicable		
Change Order	Y []	N [x]
Original Budget Amount	7140 - \$18,700 8130 - \$50,000	
Revised Original Contract Amount	\$ N/A	
Budget Remaining after the Recommendation	\$	
Contract after Change	\$	

Fund 09		
Accounting Code (String) example: 09-xx-xxx-xxxx (mandatory project code)		
Transfer from Reserve	Y []	N []
If Transfer, from Which Reserve		
Outside Funding Source		
Change Order	Y []	N []
Original Budget Amount	\$	
Original Contract Amount	\$	
Budget Remaining after the Recommendation	\$	
Contract after Change	\$	

RELATED IMPACTS

HERITAGE ENVIRONMENTAL SVCS, LLC
affiliates and subsidiaries including:
Rimco Chemical Industries, LLC a Heritage Company
Heritage Thermal Services, LLC
Heritage Transport, LLC
Heritage Interactive Systems, LLC



Invoice No: 1952170
Invoice Date: 05/14/2019
Invoice Due Date: 06/13/2019
Payment Terms: NET30
PO#: DWYLLIE
Customer No. 1860111888
MMS# 178053 HE067 TECH SERV

VICTOR VALLEY WASTEWATER
RECLAMATION AUTHORITY

20111 SHAY RD
VICTORVILLE, CA 92304 USA

Please Remit checks to:

HERITAGE ENVIRONMENTAL SVCS, LLC
PO BOX 933024
CLEVELAND, OH 44193 USA

Total Amount Due: USD \$ 35,850.34

*Please return this page with your remittance. Thank you for your business.
*If you are interested in paying by ACH, please contact your Heritage representative.
*Contact HESwiftbill@heritage-enviro.com with any questions regarding this invoice.

HERITAGE ENVIRONMENTAL SVCS, LLC
 PO BOX 933024
 CLEVELAND, OH 44193 USA



VICTOR VALLEY WASTEWATER
 RECLAMATION AUTHORITY

INVOICE

20111 SHAY RD
 VICTORVILLE, CA 92394 USA

Invoice No: 1052170
 Invoice Date: 05/14/2019
 Invoice Due Date: 06/13/2019
 Payment Terms: NET 30
 PO#: CVMVLE
 Customer No: 186111888
 Page: 2

Pickup Date	Generator Wastestream	Manifest Description	Quantity	Unit Price	Subtotal Price
-------------	-----------------------	----------------------	----------	------------	----------------

04/09/2019 169438 VICTOR VALLEY WASTEWATER
 20111 SHAY RD
 VICTORVILLE, CA 92394-8539
 04/20/2019 3 000934879WAS

(728=-.21) TOTAL HALOGEN (TX) .21 PERCENT = \$0.46

000934879WAS 1

WASTE PAINT RESIN(LB MIN)
 ENERGY SURCHARGE

124
 124

1 D30
 EA

121

1.00
 1.00

98.0000
 9.8000

98.00
 9.80

04/09/2019
 04/20/2019 61 000934879WAS

(962=2286) HEAT OF COMBUSTION 2286 BTU/LB = \$0.63

000934879WAS 3

REFUGA SOIL FILTERS(962=2286)(LB MIN)
 ENERGY SURCHARGE

124
 124

1 D55
 EA

121

1.00
 1.00

98.0000
 9.8000

98.00
 9.80

04/09/2019
 04/20/2019 4 000934879WAS

000934879WAS 5

NON-FUELS NITRAVER SULFURIC ACID LOOSE PACK(LB MIN)
 ENERGY SURCHARGE

103
 103

1 D05
 EA

14

1.00
 1.00

95.0000
 9.5000

95.00
 9.50

HERITAGE ENVIRONMENTAL SVCS, LLC
 PO BOX 530724
 CLEVELAND, OH 44193 USA



VICTOR VALLEY WASTEWATER
 RECLAMATION AUTHORITY

20111 SHAY RD
 VICTORVILLE, CA 92391 USA

Invoice No: 1952170
 Invoice Date: 05/14/2019
 Invoice Due Date: 06/13/2019
 Payment Terms: NET30
 PO#: DWYLLIE
 Customer No: 1860111888
 Page: 3

Product	Transaction	Weight	Containers	Units	Bill Qty	Unit Price	Extended Price
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04/09/2019 12857938 00003446 Q.WAS

1,556 4 DRM EA

4.00 114.4500 457.80
 1.00 45.7800 45.78

OILY WATER/ANTI FREEZE
 ENERGY SURCHARGE

04/20/2019 12879395 00003487 Q.WAS

1 1 DM5 EA

1.00 130.0000 130.00
 1.00 13.0000 13.00

NON-FUELS, POTASSIUM CHLORIDE LOOSE PACK (LB MIN)
 ENERGY SURCHARGE

04/09/2019 12857939 00003487 Q.WAS

(962=1967) HEAT OF COMBUSTION 1967 BTU/LB = \$0.63
 (952=9267) HEAT OF COMBUSTION 9267 BTU/LB = \$0.45

00003487SWAS 6.10

(F)DIRT AND DEBRIS CONTAMINATED WITH FERRIC
 CHLORIDE(962=1967)
 DIRT AND DEBRIS CONTAMINATED WITH FERRIC
 CHLORIDE(LB MIN)
 PAIL PROCESSING FEE

17 LBS 37.237 0.41900 23.459 31
 2 LBS 242 0.00000 196.00
 37.475 0.10000 3.747 80

HERITAGE ENVIRONMENTAL SVCS. LLO
 PO BOX 930024
 CLEVELAND, OH 44193 USA



VICTOR VALLEY WASTEWATER
 RECLAMATION AUTHORITY

20111 SHAY RD
 VICTORVILLE, CA 92394 USA

Invoice No: 1952170
 Invoice Date: 05/14/2019
 Invoice Due Date: 06/13/2019
 Payment Terms: NET30
 PO#: DWYLLJE
 Customer No: 1860111888
 Page: 4

Invoice Date	Quantity	Unit	Description	Transaction	Product	Weight	Containers	Units	Bill Qty	Unit Price	Extended Price
04/09/2019	66	0.09	ENERGY SURCHARGE	124	124			EA	1.00	2,365.5300	2,365.53
04/20/2019	66	0.09	ENERGY SURCHARGE	12916355							
000934879WAS											
04/09/2019	121	1	OILY DEBRIS & ABSORBENT(LB MIN) ENERGY SURCHARGE	124	124	121	1	D55 EA	1.00 1.00	54.0000 5.4000	54.00 5.40
000934879WAS											
04/09/2019	915	4,181.0000	FREIGHT CHARGE	12857931	915			LD	1.00	4,181.0000	4,181.00
04/09/2019	915	832.0200	FUEL SURCH/PGE (18 P%)	12857931	915			LD	1.00	832.0200	832.02
000934879WAS											
04/09/2019	855	15.0000	E-MANIFEST MANAGEMENT FEE	12928151	855			EA	1.00	15.0000	15.00
000934879WAS											
04/09/2019	29	25.0000	NON-FUELS ALKALINE BATTERIES(LB MIN) ENERGY SURCHARGE	12857935	108			D05 EA	1.00 1.00	25.0000 2.5000	25.00 2.50
04/20/2019	29	25.0000	NON-FUELS ALKALINE BATTERIES(LB MIN) ENERGY SURCHARGE	12857935	108			D05 EA	1.00 1.00	25.0000 2.5000	25.00 2.50
000934879WAS											
Pay this Amount											\$ 35,850.34



Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAL912693193	2. Page 1 of 2	3. Emergency Response Phone (760) 246-8638	4. Manifest Tracking Number 000934879 WAS
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5. Generator's Name and Mailing Address VICTOR VALLEY WASTEWATER / DAVID WYLIE 20111 SHAY ROAD VICTORVILLE, CA 92394 (760) 246-8638	Generator's Site Address (if different than mailing address) VICTOR VALLEY WASTEWATER / DAVID WYLIE 20111 SHAY RD VICTORVILLE, CA 92394-8539 GEN: 169438
---	--

6. Transporter 1 Company Name MALMEE EXPRESS INC	U.S. EPA ID Number NJD986607380
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7. Transporter 2 Company Name HERITAGE TRANSPORT LLC	U.S. EPA ID Number TNS 058484114
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8. Designated Facility Name and Site Address RINECO 1007 VULCAN ROAD HASKELL BENTON, AR 72015 Facility's Phone: (501) 778-9089	U.S. EPA ID Number ARD981057870
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9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
		No.	Type					
X	1. UN1263, WASTE PAINT, 3, PGII, ERG#128	1	DM DF	65	P	D001		
X	2. UN1263, WASTE PAINT, 3, PGII, ERG#128 Ca 4-9-19		DM			D001		
X	3. UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, N. O. S., 4.1, PGII, (GASOLINE), ERG#133	120	DM	120	P	D001	D018	
X	4. UN1820, WASTE SULFURIC ACID, 8, PGII, ERG#137 Ca 4-9-19		DF			D002 D007 D009 D011 141		

14. Special Handling Instructions and Additional Information
 1. W3_B1127000_LDR ~~2. W3_B1127000_LDR~~ 3. W61_B1127011_LDR 4. W1E_B11270476_LDR
 30X1 55X1 [1157775316]

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: Daniel Enriquez
 Signature: [Signature]
 Month: 4 Day: 9 Year: 19

16. International Shipments: Import to U.S. Export from U.S.
 Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: Michael BANARD Signature: [Signature] Month: 4 Day: 9 Year: 19
 Transporter 2 Printed/Typed Name: Don Hedge Signature: [Signature] Month: 04 Day: 25 Year: 19

18. Discrepancy
 18a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator): _____ Manifest Reference Number: _____ U.S. EPA ID Number: _____

18c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 1. H051 2. ~~H051~~ 3. H051 4. ~~H051~~

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
 Printed/Typed Name: Robin Mitchell Signature: [Signature] Month: 4 Day: 20 Year: 19



**LAND DISPOSAL RESTRICTIONS (LDR)
NOTICE AND CERTIFICATION**

Generator Name : **VICTOR VALLEY WASTEWATER**



Manifest Tracking No.: **000934879WAS** EPA ID No.: **CAL912693193**

(1) Waste Does Not Meet Applicable Treatment Standards: This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.

Authorized Signature : _____ Printed Name : _____
*optional for cert(1)

Company / Title : _____ Date: _____

(1) Manifest Page/Line	(2) Hazardous Waste Code	(3) Wastewater Or Non Wastewater	(4) Subcategory (if applicable)	(5) Underlying Constituents	(6) Applicable Certification	One Time WS
1.1	D001	NWW	3	NA	1	
1.2	D001	NWW	3	NA	1	
1.3	D001	NWW	1.2	NA	1	
1.3	D018	NWW	48	NONE	1	
1.4	D007 D011	NWW	48	NONE	1	
1.4	D002	NWW	4	NONE	1	
1.4	D009	NWW	15.2	NA	1	
2.5	D002	NWW	4	NONE	1	
2.6	D002	NWW	4	NONE	1	107
2.7	D002	NWW	4	NONE	1	

Subcategory	Description
1.2	IGNITABLE CHARACTERISTIC WASTES MANAGED BY INCINERATION, FUELS SUBSTITUTION, OR ORGANICS RECOVERY
3	HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS
4	CORROSIVE CHARACTERISTIC WASTES MANAGED IN NON-CWA SYSTEMS
15.2	LOW MERCURY, NON-WW, CWA, RESIDUES FROM RMERC ONLY
48	TC WASTE MANAGED IN NON-CWA SYSTEM

ID: | [Barcode] |

2993934-15420

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number CAL912693193	2. Page 1 of 1	3. Emergency Response Phone (760)246-8638	4. Tracking Number 2993934-15420
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5. Offeror's Name and Mailing Address VICTOR VALLEY WASTEWATER / DAVID WYLIE 20111 SHAY ROAD VICTORVILLE, CA 92394 (760)246-8638	Offeror's Site Address (if different than mailing address) VICTOR VALLEY WASTEWATER / DAVID WYLIE 20111 SHAY RD VICTORVILLE, CA 92394-8539 GEN: 169438
--	--

6. Transporter 1 Company Name MAUMEE EXPRESS INC	U.S. EPA ID Number NJD986607380
---	------------------------------------

7. Transporter 2 Company Name HERITAGE TRANSPORT LLC	U.S. EPA ID Number IND 058484114
---	-------------------------------------

8. Designated Facility Name and Site Address RINECO 1007 VULCAN ROAD HASKELL BENTON, AR 72015 Facility's Phone: (501)778-9089	U.S. EPA ID Number ARD981057870
---	------------------------------------

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1.	NON-DOT REGULATED MATERIAL, NON-FUELS: ALKALINE BATTERIES	1	DF	15	P
2.					
3.					
4.					
5.					
6.					
7.					

13. Special Handling Instructions and Additional Information
 1. W29 Q1148475
 5x1

[11577754]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name Danie Enriquez	Signature 	Month 2	Day 9	Year 19
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15. Transporter Acknowledgment of Receipt of Materials	Transporter 1 Printed/Typed Name Michael BAIRD	Signature 	Month 4	Day 9	Year 19
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Transporter 2 Printed/Typed Name Don Hodge	Signature 	Month 04	Day 15	Year 19
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16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16	Printed/Typed Name Robin Mitchell	Signature 	Month 4	Day 20	Year 19
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DESIGNATED FACILITY TO OFFEROR



Stop Ticket
Stop#: 2993934-15420
Trip#: 2305151
Site#: 169438
EPA ID#: CAL012693193
PO#: DWYLIE

Pick-up: 04/09/19 - 04/09/19
Internal Contact
KIMBERLY RICE (501)776-5674



Mailing Address
DAVID WYLIE
VICTOR VALLEY WASTEWATER
20111 SHAY ROAD
VICTORVILLE, CA 92394
UNITED STATES

Site Address (GEN)
VICTOR VALLEY WASTEWATER
20111 SHAY RD
VICTORVILLE, CA 92394-8539
UNITED STATES

Phone# (760)246-8638
WYLIE, DAVID - (760)246-8638

MAUMEE EXPRESS INC (11509)
NJD986607380 US DOT#: 389242

Emergency Rate _____ Pickup Demurrage _____ Final Delivery Demurrage _____

Tractor# _____ Trailer# _____

Odometer: Start _____ End _____

Liner Qty _____

PICKUP TIME: 08:00

Driver# _____ Driver Name _____ Date _____
RINECO (15420) ARD981057870
1007 VULCAN ROAD HASKELL, BENTON, AR 72015 UNITED STATES (501)778-9089

P/U Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
1	WASTE PAINT RESIN CUST ID: 180408258	000934879WAS-1	12857930	124	Y3Y	1	DM
2	WASTE PAINT RESIN CUST ID: 180408258	000934879WAS-2	12857933	124	Y3Y	1	DM
3	GAS/OIL FILTERS CUST ID: 130810572	000934879WAS-3	12857937	124	Y61Y	1	DM
4	NON-FUELS:SULFURIC ACID COD DIGESTION CUST ID: 170912773	000934879WAS-4	12879391	108	Y12Y	1	DF
5	NON-FUELS: NITRAVER SULFURIC ACID LOOS CUST ID: 180100100	000934879WAS-5	12879394	103	Y6Y	1	DF
6	DIRT AND DEBRIS CONTAMINATED WITH FERF	000934879WAS-6	12857939	124	Y107N	12	CF
7	NON-FUELS: BUFFER SOLUTION MIXED WITH CUST ID: 150303673	000934879WAS-7	12879392	108	Y40Y	1	DF
8	OILY WATER/ANTI FREEZE CUST ID: 121117527	000934879WAS-8	12857938	123	N69N	5	DM
9	NON-FUELS: POTASSIUM CHLORIDE LOOSE P CUST ID: 180100098	000934879WAS-9	12879395	103	N8N	1	DF
10	NON-FUELS: ALKALINE BATTERIES		12857935	108	N29N	1	DF

178053: VICTOR VALLEY WASTEWATER
Company/Loc: 4867R2

Heritage Environmental Services, LLC
www.heritage-enviro.com

Stop Ticket

Stop#: 2993934-15420

Trip#: 2305151

Site#: 169438

EPA ID#: CAL912693193
PO#: DWYLIE



Pick-up: 04/09/19 - 04/09/19

Internal Contact
KIMBERLY RICE (501)776-5674

P/U Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
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CUST ID: 161022831

PLEASE MAKE SURE TO SEND PLACARDS FOR BOXES, IF NEEDED - MXI DOES NOT PROVIDE -KIM

Site Rep Name	Signature	Date
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178053: VICTOR VALLEY WASTEWATER
Company/Loc: 48167R2

Heritage Environmental Services, LLC
www.heritage-enviro.com



VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
 Report/Recommendation to the Board of Commissioners

June 20, 2019

FROM: Chieko Keagy, Controller *CK*
TO: Brian Macy, Interim General Manager
SUBJECT: Recommendation to Approve Resolution 2019-10: Adopt Proposed Budget for the Year Ending June 30, 2020

RECOMMENDATION

It is recommended that the Board of Commissioners approve Resolution 2019-10: Adoption of the Proposed Budget as presented for the year ending June 30, 2020.

REVIEW BY OTHERS

This recommendation was reviewed by Piero Dallarda, Legal Counsel and Internal and External Finance Committees. The attendees for the committee meetings were Jim Cox, Commissioner – City of Victorville; George Harris, City of Victorville; Casey Brooksher, City of Hesperia; and S. Harris, Town of Apple Valley; and Logan Olds, then General Manager of Victor Valley Wastewater Reclamation Authority.

BACKGROUND INFORMATION

Staff prepared the fiscal year 2020 budget based on input from each department. This budget was presented and discussed by the External and Internal Finance Committees during meetings held on April 23, 2019, April 30, 2019 and at the Board meeting on May 16, 2019.

This FY 2020 budget includes five new positions as:

Two Operators,
 Two Maintenance Mechanics, and
 One Electric and Instrumentation Technician

The following related documents are attached:

Operations & Capital Proposed Budget and
 Salary Schedule for the Year Ending June 30, 2020

FISCAL IMPACT

The proposed budget should lay guidelines for daily operations and capital improvement projects. The budgeted revenues and expenses for the fiscal year are

Operations and Maintenance	Revenues	\$ 16,206,650	
	Expenses	(15,243,298)	
	Inter-fund loan from Capital	1,642,974	
	Transfer to Repairs and Replacements	<u>(2,606,326)</u>	\$ -
Repairs and Replacements	Revenues - from Operations	2,606,326	
	Expenses	<u>(2,606,326)</u>	-
Capital	Revenues	2,332,917	
	Loan to Operations	(1,642,974)	
	Expenses	<u>(3,671,806)</u>	<u>(2,981,863)</u>
			<u>\$ (2,981,863)</u>

This proposed FY 2020 budget is based on flow processing fee rate increase of 13% for FY 2020, 10% for FY 2021, and 9% for FY 2022 and connection fee rate of \$4,679, both effective on September 1, 2019.

RELATED IMPACTS

In order to sustain the activities of the Operations and Maintenance Fund and Repairs and Replacement Fund, it is imperative to have an inter-fund loan of \$1,642,974 from the Capital Fund.

RESOLUTION 2019-10

**A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
TO APPROVE AND ADOPT THE FISCAL YEAR 2019-2020 BUDGET**

WHEREAS, the General Manager submitted to the Board of Commissioners (“Commission”) of the Victor Valley Wastewater Reclamation Authority (“VWVRA”) a proposed budget for the period July 1, 2019, through June 30, 2020, otherwise known as Fiscal Year 2019-2020, and said proposed budget provides details of the proposed revenues, expenditures, and appropriations for VWVRA during Fiscal Year 2019-2020 (“Budget”);

WHEREAS, the Commission has duly reviewed and considered the proposed Fiscal Year 2019-2020 Budget with respect to the projected revenues and the proposed expenditures, projects, programs, annual surcharge rate adjustments, and related items accordingly;

WHEREAS, the Commission provided public notice of and held a public hearing on June 20, 2019, on the proposed Fiscal Year 2019-2020 Budget (“Public Hearing”);

WHEREAS, at the Public Hearing all public input on the Budget was received and considered by the Commission;

WHEREAS, the Commission believes that it is both appropriate and desirable to address CPI increases for employees at the same time that it considers adoption of the Authority’s Budget; and that is consistent with the MOU adopted by the Board with the Employees Association on December 8, 2016;

WHEREAS, the Commission also adopted Resolution 2000-17, which established policies and procedures to determine appropriate employee salaries and to ensure that salaries remain competitive, while retaining fiscal flexibility for the Authority;

WHEREAS, the Commission has determined that it is economically feasible and in the best interest of Authority to adjust employees’ salaries by the Consumer Price Index (CPI) as the Authority desires to select, train, and develop well-qualified employees to work for and represent the Authority, and that competitive wages and stability in the work force are both rewarding to the employees and in the best interest of the Authority;

WHEREAS, the Commission for the Authority (“Commission”) has carefully considered the steps necessary to establish appropriate salaries and insure the long-term success of the Authority.

NOW, THEREFORE, THE BOARD OF COMMISSIONERS OF THE VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. The Budget for Fiscal Year 2019-2020 for the Victor Valley Wastewater Reclamation Authority, a copy of which is attached hereto as Exhibit "A", is hereby approved and adopted, and the amounts of the proposed expenditures are appropriated for the projects, programs, and expenditures specified therein and as currently proposed in the accompanying Capital Improvement Plan spreadsheets, which are subject to future revision by the Board, and;

Section 2. The Commission has determined that it is economically feasible and in the best interest of the Authority to adjust employee salary ranges by the annual Consumer Price Index (CPI). The CPI utilized for this purpose is the annual average for All Urban Consumers for the Los Angeles-Riverside-Orange County area, as published by the Bureau of Labor Statistics, for the 12-month period ending March 31, 2019. The CPI percent change for the year ending March 31, 2019 is 2.5 percent. Per the MOU with the Employees Association the CPI is 2.5%. The adjusted steps and ranges shall be as shown in the attached Exhibit "B".

Section 3. Adoption of Annual Increases. The effective date of salary range adjustments described herein shall be July 1, 2019

Section 4. Execution of Resolution. The Chair of the Commission shall sign this Resolution, and the Secretary of the Commission shall certify that this Resolution was duly and properly adopted by the Commission.

Section 5. Within fifteen (15) days after the adoption of this resolution, the General Manager shall cause a copy of this resolution and the attached budget to be delivered to every member entity of VVWRA.

ADOPTED AND APPROVED this 20th day of June, 2019

Robert Lovingood, Chair
VVWRA Board of Commissioners

ATTEST:

APPROVED AS TO FORM:

James Cox, Secretary
VVWRA Board of Commissioners

Piero Dallarda of
Best Best & Krieger LLP, Counsel VVWRA

CERTIFICATION:

I do hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Board of Commissioners held on June 20, 2019.

Kristi Casteel – Clerk of the Board

EXHIBIT A

Resolution 2019-10

Fiscal Year **2019 - 2020**

**Operations & Capital
Proposed Budget**

**Victor Valley Wastewater
Reclamation Authority**



Taking the Waste Out of Wastewater

Administration Office and Treatment Plant

20111 Shay Road
Victorville, CA 92394
(760) 246-8638
(760) 246-2898 Fax

VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY

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Fiscal Year 2019-2020**

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Section I: Introduction and Overview



Victor Valley Wastewater Reclamation Authority

A Joint Powers Authority and Public Agency of the State of California

Administrative Offices

20111 Shay Road, Victorville, CA 92394

Telephone: (760) 246-8638

Fax: (760) 948-9897

E-mail: mail@vwwra.com

Budget Summary

Overview – Revenues and Expenses



VWRA Percolation Pond

This document includes the budget information for the fiscal year ending June 30, 2020 (hereafter referred to as FY 2020) for Victor Valley Wastewater Reclamation Authority (VWRA or agency). The agency hopes the table of contents and glossary will help you locate information.

VWRA uses enterprise accounting to account for three divisions, (1) Operations and Maintenance Fund for daily activities, (2) Repairs and Replacements Fund for periodical repair and replacement work, and (3) Capital Fund for capital projects. VWRA provides wastewater processing services to four member agencies; City of Victorville, City of Hesperia, Town of Apple Valley, and two areas of San Bernardino County Special Districts. Among the total operating revenue of \$18.5 million budgeted for FY 2020, \$15.1 million represents user fee revenue. We process wastewater, on the average, of 59% from the City of Victorville, 18% from the City of Hesperia, 17% from the Town of Apple Valley, and the remaining 6% from the two areas of San Bernardino County Special Districts.

Other income includes septage processing fees; tipping fees for anaerobically digestible materials, fats, oils, and grease; sludge flow; industrial pretreatment fees; and reclaimed water sales; and high strength surcharge fees. The new high strength surcharge rates for FY 2020 are shown at page 37. In addition, we estimated the connection fee revenue of \$2.3 million for the construction of capital projects stated at page 34. The connection fee revenues are based on the connection fee rate \$4,679 per EDU that is effective on September 1, 2019. The total revenue is expected as \$18.5 million.

The FY 2020 budget excludes retention of \$3.9 million from the Federal Emergency Management Agency (FEMA) and the California Governor's Office of Emergency Services (Cal OES) for the Upper Narrows Replacement and Emergency Projects that has been outstanding for the previous two years. The only existing grant from California Energy Commission for an energy battery project is not shown as a line item, being offset with payments to a manufacturer and other vendors. A grant from USDA has not been materialized and no loan proceeds are anticipated during the year ending June 30, 2020.

Overview – Revenues and Expenses (Continued)



Apple Valley Wastewater Reclamation Plant

VVWRA has a budget of a total expense of \$21.5 million consisting of \$15.2 million for operations and maintenance, \$2.6 million for repairs and replacements, and \$3.7 million for capital projects. These expenses exclude non-cash item, such as depreciation expense. The agency predicts the total budgeted *deficit* of \$3.0 million for FY 2020 under the assumption that the agency will operate only one of the sub-regional plants during the FY 2020. The agency has postponed various maintenance projects in prior years. As a result, it cannot further delay the necessary maintenance. Under the circumstances, the agency is unable to maintain a balanced budget for FY 2020, where the operating and capital revenues roughly equal the total expenses, and relies on an inter-fund loan from Capital Fund to maintain the operations.

Capital Projects and Their Expenditures

VVWRA has completed its five-year major capital improvement program during FY 2019 and plans another five year capital projects for FY 2020 through FY 2024, continually providing quality wastewater treatment services to the service areas.

These capital projects are in three categories: (1) wastewater treatment, (2) interceptor, and (3) energy efficiency projects. Most of these projects will be funded by operation and repair/replacement cash reserves, an inter-fund loan from Capital Fund, or the grant from California Energy Commission for the energy battery project (page 6) and potential USDA grant for an Oro Grande Interceptor project. These projects are listed in the order of priority during the five years (pages 43 through 51).

Capital Projects and Their Expenditures (Continued)

Wastewater Treatment Plants:

VVWRA had predicted less hydraulic load on the Hesperia and Apple Valley interceptors by operating two water reclamation plants in these two areas to handle the agency's increased overall wastewater capacity. However, the economic circumstances due to insufficient operating funds would not give the agency a choice but to postpone the operation of the Apple Valley plant for FY 2020. The plant in the City of Hesperia will continue to provide reclaimed water to residential communities and commercial businesses along the I-15 corridor.



Hesperia Wastewater Reclamation Plant

The plant in the Town of Apple Valley would also provide reclaimed water to the public parks in Apple Valley once the operation starts. In addition to State Revolving Fund loans (page 6), these two plant construction was funded through Title 16 grant from Bureau of Reclamation, United States Department of the Interior; the grants from Propositions 1, 13, and 50 through California State Water Resources Control Board; and the grant from Proposition 84 through Department of Water Resources, State of California.

Interceptor Projects:

The gravity interceptors transport a majority of the wastewater from the surrounding cities in the service areas to VVWRA's wastewater treatment plants. While the agency continues to upgrade its treatment facilities to handle the increased flow, the agency has successfully increased its interceptor capacity utilizing the pipelines associated with the Hesperia and Apple Valley plants, the Nanticoke pipeline, and the Upper Narrows Interceptor pipelines.

Capital Projects and Their Expenditures (Continued)

Energy Efficiency Projects:

In order to cope with high demand on electricity from the Phase III-A ultraviolet infection treatment and to sustain consistent supply of electricity, VVWRA is in process of implementing a series of energy efficiency projects. To attain this goal, the agency has been working with a manufacturer of micro-grid battery storages. The manufacturer has promised to complete this project during October of 2019. With the successful completion of this project, the agency could safeguard itself from unavoidably receiving low voltage electricity from Southern California Edison by storing electricity onsite.



Primus Power Energy Pod 2

Environmental and Regulatory

The State Water Code authorizes VVWRA, the regional sewer service provider, to implement a regional reclaimed water permit program similar to the existing Industrial Pretreatment Program. Under this Master Permit, VVWRA is responsible for permitting and monitoring reclaimed water users, expediting a more efficient permit process rather than relying on individual permits obtained through Lahontan Regional Water Quality Control Board.

Debts – State Revolving Fund (SRF) Loans

After the completion of Upper Narrows emergency and replacement projects during 2016 and 2017, the agency still waits for retention payments from FEMA and Cal OES. Further, the agency has continuously attempted through numerous discussions with member agencies to obtain a potential settlement payment from the City of Victorville to mitigate the loss of income due to the Victorville's flow diversion of 1.7 million gallons per day and further reduction of its connection fees to an average monthly fees of \$100,000. Another factor affecting VVWRA's cash flow is non-payment by the City of Hesperia that has been outstanding at approximately \$1.3 million as of June 30, 2020. A solution is urgently needed to solve the negative budget that relies on the agency's Capital Fund through the inter-fund loan, and to ensure sufficient cash reserve to meet the SRF loan contractual reserve and repayment obligations.

The agency has conducted its financial planning for the next five years, FY 2020 through FY 2024. The negative budget balance reflects 13% increase in user fees and new connection fees effective September 1, 2019 in order to at least comply with debt coverage ratio of 1.2 as specified in the loan agreements with the State Water Resources Control Board. Reflecting member agencies' comments, our challenge includes a balanced budget where the user fees sufficiently cover the operational expenses without relying on capital revenues, i.e. connection fees, which are exclusively earmarked for capital projects.

Debts – State Revolving Fund (SRF) Loans (Continued)

Although there are no applicable legal debt limits for VVWRA to adhere to, the agency is challenged with the loan contractual obligation of maintaining the annual debt service reserve for the SRF loans.

During the past years, VVWRA postponed the implementation of its necessary and required several repair and replacement projects. Because of the delay of unavoidable repair work, we now face the necessity to perform these postponed repair and replacement projects during FY 2020. Please see the proposed projects for the year ending June 30, 2020 on pages 46 and 47.

Long Term Financial Plans

The financial plan is based on the assumption that the agency would receive the retention payment from FEMA and Cal OES, settlement for the flow diversion by the City of Victorville, and late payment from the City of Hesperia during the FY 2021.

Conclusion

The significant financial issue for the year FY 2020 is the negative budget to cause insufficient cash in Repairs and Replacements Fund and Capital Fund. The agency will utilize the inter-fund loan from its Capital Fund cash balance to cover the insufficient cash.

Chieko Keagy, CPA
Controller

Victor Valley Wastewater Reclamation Authority
GFOA Distinguished Budget Presentation Award for the Fiscal Year Beginning July 1, 2017
Fiscal Year 2019-2020



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Victor Valley Wastewater Reclamation Authority
California**

For the Fiscal Year Beginning

July 1, 2018

Christopher P. Morrill

Executive Director

Section II: Financial Structure, Policy and Process

Victor Valley Wastewater Reclamation Authority

Governance

VVWRA is governed by a four-member Governing Board represented by an elected official of member agencies.

Board of Commissioners As of June 30, 2019



Larry Bird
Treasurer
City of
Hesperia



Robert Lovingood
Chair
County of
San Bernardino



Scott Nassif
Vice Chair
Town of Apple
Valley



Jim Cox
Secretary
City of
Victorville

Prepared by

VVWRA Finance Department



**The mission of
Victor Valley Wastewater Reclamation Authority**

Is...

To cost-effectively provide professional, competent wastewater treatment, reclamation, recycling, and reuse,
To maintain the environment by providing clean effluent to the community,
To provide a service to our customers, and
To keep the public informed.

By...

Selecting quality employees,
Effectively communicating at all levels,
Providing effective training,
Encouraging participation in water and wastewater organizations,
Working together as a 'TEAM', and
Providing the budget for projects and personnel.

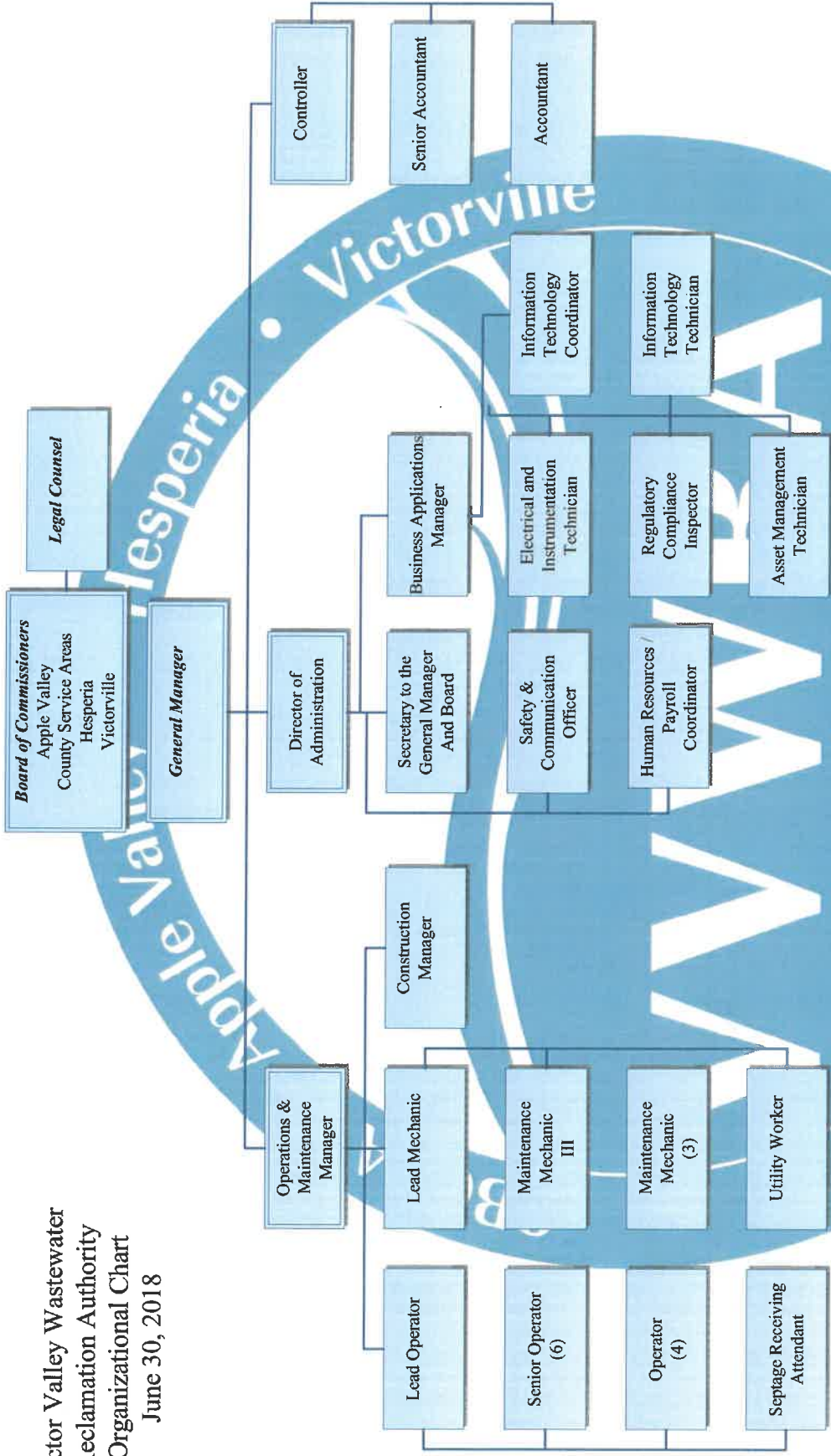
Motivated by...

Creating and maintaining a positive work environment,
Recognizing individual and group efforts, and
Providing competitive pay and benefits.

Measured by...

Meeting budgetary goals,
Meeting the standards for regulatory compliance,
The successful completion of projects,
Employee retention, and
A cooperative effort during emergencies.

Victor Valley Wastewater
Reclamation Authority
Organizational Chart
June 30, 2018

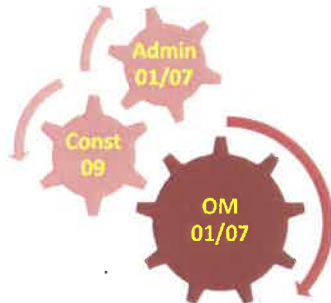


Victor Valley Wastewater Reclamation Authority
Our Organization
Fiscal Year 2019-2020

We are here to serve you.

The Board of Commissioners consists of four elected officials representing each member agency from the Town of Apple Valley, City of Hesperia, City of Victorville, and County of San Bernardino Two Service Areas.

The main function of Victor Valley Wastewater Reclamation Authority (VWVRA) is to receive wastewater from four member agencies and to process the wastewater then to discharge the cleaned water to the Mojave River. The VWVRA conducts its businesses based on an **Enterprise Accounting System** that is an accrual accounting system, similar to a regular business accounting method, by recording revenues and expenses as incurred instead of recognizing transactions when cash is received or paid. The enterprise accounting system is established based on three funds, (1) Operations and Maintenance Fund, (2) Repairs and Replacement Fund, and (3) Capital Fund. Please see how each department uses these funds as shown at the illustration below. The Repairs and Replacement Fund is to show periodical repairs and replacement costs separately from normal operations and maintenance. Our main revenues are 'user fees' generated from processing (cleaning) wastewater that the member agencies send and connection fees charged to connect to the agency's system. The main distinction between the user fees and connection fees is that the user fees are associated with daily operations, while the connection fees are used for capital projects as new users will hook up to the system that may require further expansion of our infrastructure. In addition to operation expenses, we normally incur large sums of capital expenditures to improve and expand the infrastructure to fulfill member agencies' needs.



The main functions for each department are explained below.

- **Operations (OM – Fund 01 and 07)** adheres to State and Federal rules and regulations with no or minimum overflow incidences. The OM includes the operations, maintenance, and laboratory functions, which are to perform repairs and maintenance of equipment and to enforce regulatory compliance by testing samples utilizing a third party laboratory vendor.
- **Construction (Const – Fund 09)** meets the member agency's expansion needs within the limited budget with one staff.
- **Administration (Adm – Fund 01 and 07)** encompasses Environmental Compliance, Management Information System, Finance, and Human Resources with 12 staff.
 - Environmental Compliance and Management Information System (EC/MIS) enforces regulatory compliance including safety compliance and maintenance of computer integrity.
 - Finance compiles and publishes Comprehensive Annual Financial Reports and annual budgets. The agency maintains high accounting standards that are evidenced by consecutively winning GFOA awards.

Goals and objectives of each function

Here are goals and objectives of each function. See performance information at pages 21 through 27.

*The goal of **Operations** is to protect Victor Valley's environment and quality of life while creating reusable resources cost-effectively to the residents of the Victor Valley community. The Operations*

Victor Valley Wastewater Reclamation Authority
Our Organization
Fiscal Year 2019-2020

department provides effective and efficient advanced wastewater treatment, high-quality treated effluent that complies with 100% of all local, state and Federal requirements. Consistent with VVWRA's goals, the Operations' goal is summed up to improve water quality to protect the environment, wildlife and recreational uses of the waters from the nearby Mojave River and Downstream Mojave River Basin beneficial uses. The Operations department is staffed 24 hours a day 365 days per year by 14 highly trained wastewater treatment plant operators.

*The goal of **Construction** is to manage infrastructure construction projects to ensure that the scope of work is budgeted and completed to the appropriate quality standards in a safe manner to meet the member agencies' expansion and repair needs.*

*The goal of **Maintenance** is to provide a high level of cost effective services to all sections of the agency. This cost effectiveness is accomplished based on preventive maintenance approaches resulting in control of wasteful maintenance and in the planning of all work activities with the skilled eight staff. The maintenance department maintains the 300 plus acre wastewater treatment plant, in addition to two newly constructed reclamation plants with adjacent pump stations, vehicle fleet, portable auxiliary equipment, and 40 miles of sewer pipeline. The maintenance department consists of eight highly skilled craftsmen who are responsible for maintaining the agency's capital assets worth of 199 million dollars, working effectively and efficiently to comply with local, state and Federal requirements.*

*The goal of **Environmental Compliance and Management Information System (EC/MIS)** is to ensure that the agency is in compliance with all environmental laws, providing VVWRA with the latest technologies and support, educating the users and promoting the new technology as an integral component of VVWRA's vision. This effort includes implementation of computerized maintenance management systems that keep track of the maintenance inventory more efficiently. The EC department implements and enforces VVWRA's Industrial Pretreatment Program to prevent upset, interference, and pass-through at the wastewater treatment facility, to ensure beneficial reuse of plant effluents and bio-solids, to protect the structure and integrity of the sewerage collection system, to ensure the safety of personnel working in the system and to protect the health and safety of the public and environment. The EC/MIS department is staffed by skilled professionals, certified for Environmental Compliance Inspection, Collection System Maintenance, Industrial Pretreatment Plant Operation, Drinking Water Treatment and Drinking Water Distribution.*

The MIS department envisions an electronic network capable of distributing voice and data technology to all VVWRA staff. In this vision, VVWRA staff becomes users of the global information network with direct access to information and resources around the world. All of our effort is dedicated to provide the operations, maintenance, and administration personnel with electronic access to information and to enrich communication among them. To achieve our technological mission and materialize our vision, the staff is committed to employ all accessible and financially feasible technologies to support and educate all of our staff.

*The goal of **Finance** is to record approved revenues and expenses in a proper period based on the enterprise accounting and in compliance with the Commissioners-Approved budget and to create the Comprehensive Annual Financial Reports. In addition, its responsibilities include billing timely, collecting fees, establishing and monitoring internal control systems, preparing annual budgets and various financial reports, and administering general accounting including payroll. The Finance department has skilled professionals with certifications of certified public accountants.*

*The goal of **Administration** is to ensure a fair and equitable employment selection process, as well as to maintain, administer and implement VVWRA's policies and programs.*

Victor Valley Wastewater Reclamation Authority
Budgeted Positions
Fiscal Year 2019-2020

Department	Position	2011 Budget	2012 Budget	2013 Budget	2014 Budget	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget
Administration											
Administrative	Director of Administrative Services	1	0	0	0	0	1	1	1	1	1
Administrative	General Manager	1	1	1	1	1	1	1	1	1	1
Administrative	Administrative Aide	1	1	1	1	1	1	1	0	0	0
Administrative	Secretary - GM/Board	1	1	1	1	1	1	1	1	1	1
Administrative	Public Information Officer	0	1	1	1	1	1	1	1	1	1
Finance	Director of Finance	0	1	1	1	1	0	1	1	0	0
Finance	Controller	0	0	0	0	0	0	0	0	1	1
Finance	Accounting Supervisor	1	1	1	1	1	1	1	1	0	0
Finance	Senior Accountant	0	0	0	0	0	0	0	0	1	1
Finance	Accountant I	0	1	1	1	1	1	1	1	1	1
Finance	Account Technician	2	1	1	1	1	1	1	1	0	0
Finance	Purchasing Technician	1	0	0	0	0	0	0	0	0	0
Finance	Fiscal Clerk	0	1	1	0	0	0	0	0	0	0
Human Resource	Human Resource Technician	1	1	1	1	1	1	1	1	1	1
IT/Env Comp	IT Supervisor	1	1	1	1	1	1	0	0	0	0
IT/Env Comp	IS Coordinator	1	1	1	1	1	1	1	1	1	1
IT/Env Comp	IT Technician	0	0	0	0	0	0	1	0	1	1
IT/Env Comp	IT/Env Comp Supervisor	0	0	0	0	0	0	1	0	0	0
IT/Env Comp	Lead Environmental Compliance Inspector	1	0	1	1	1	1	0	0	0	0
IT/Env Comp	Environmental Compliance Safety Admin Aide	1	1	1	1	1	1	1	1	0	0
IT/Env Comp	Environmental Compliance Inspector-in-Training	1	1	1	1	1	1	0	0	0	0
IT/Env Comp	Environmental Compliance Inspector	0	0	0	0	0	0	1	1	1	1
IT/Env Comp	Environmental Compliance Supervisor	1	0	0	0	0	0	0	0	0	0
IT/Env Comp	EC/IT Supervisor	0	0	0	0	0	0	0	1	0	0
IT/Env Comp	Business Applications Manager	0	0	0	0	0	0	0	0	1	1
		17	14	15	14	14	14	15	13	12	12
Operations											
Operations	Director of Operations	1	1	1	1	1	1	1	1	0	0
Operations	Operations/Maintenance Manager	0	0	0	0	0	0	0	0	1	1
Operations	Operations & Maintenance Supervisor	1	1	1	1	1	1	1	1	0	0
Operations	Lead Operator	1	1	1	1	1	1	1	1	1	1
Operations	Operator I	2	3	2	2	2	0	0	0	0	0
Operations	Operator II	0	0	0	0	0	0	0	0	0	0
Operations	Operator III	4	3	5	5	5	6	6	0	0	0
Operations	Operator IV	1	2	0	0	0	0	0	0	0	0
Operations	Operator V	1	0	1	1	1	0	0	0	0	0
Operations	Operator-in-Training	2	2	2	2	2	2	2	1	0	0
Operations	Operator	0	0	0	0	0	4	4	4	4	6
Operations	Senior Operator	0	0	0	0	0	0	0	5	6	6
Operations	Septage Receiving Attendant	0	0	0	0	0	1	1	1	1	1
Operations	O&M Clerk	0	0	0	1	1	1	1	0	0	0
Operations	Asset Management Technician	0	0	0	0	0	0	0	0	1	1
Lab/Env Comp	Lab & Environmental Compliance Supervisor	1	1	1	1	1	1	1	0	0	0
Lab/Env Comp	Lab Tech I	1	0	1	2	2	1	2	0	0	0
Lab/Env Comp	Lab Tech II	0	1	1	0	0	1	0	0	0	0
Lab/Env Comp	Lab Tech	0	0	0	0	0	0	0	0	0	0
		15	15	16	17	17	20	20	14	14	16
Maintenance											
Maintenance	Maintenance Supervisor	1	1	1	1	1	1	1	0	0	0
Maintenance	Electrical / Instrumentation Tech	1	3	3	2	2	2	1	0	0	0
Maintenance	Electrical / Instrumentation Tech II	0	0	0	0	0	0	1	0	0	1
Maintenance	Electrical / Instrumentation Tech II	0	0	0	0	0	0	0	0	1	1
Maintenance	Electrical / Instrumentation Tech IV	0	0	0	1	1	1	1	1	0	0
Maintenance	Maintenance Planner	0	1	1	1	1	1	1	0	0	0
Maintenance	Mechanical Tech I	1	1	1	1	1	1	1	0	1	0
Maintenance	Mechanical Tech III	2	0	2	2	2	2	2	0	1	1
Maintenance	Plant Maintenance Tech IV	1	3	0	0	0	0	0	0	0	0
Maintenance	Lead Mechanic	1	0	0	0	0	0	0	1	1	1
Maintenance	Maintenance Mechanic	0	0	0	0	0	0	0	1	0	5
Maintenance	Maintenance Mechanic in Training	0	1	1	1	1	3	3	3	3	0
Maintenance	Utility Worker I	1	0	0	0	0	0	0	0	0	0
Maintenance	Utility Worker II	1	1	1	1	1	1	1	1	1	1
		9	11	10	10	10	12	12	7	8	10
Construction											
Construction	Project Construction Manager	1	0	0	0	0	0	0	1	1	1
Construction	Construction & Energy Efficiency Manager	0	1	1	1	1	1	1	0	0	0
Construction	Construction Inspector	1	0	0	0	0	0	0	0	0	0
		2	1	1	1	1	1	1	1	1	1
Total Department		43	41	42	42	42	47	48	35	35	39

Notes: The FY 2016 and FY 2017 budget includes additional two positions each for two sub-regional plants and one for a septage

Operators	2	2
Maintenance in Training	2	2
Septage Receiving Attendant	1	1
	<u>5</u>	<u>5</u>

**Victor Valley Wastewater Reclamation Authority
Policies
Fiscal Year 2019-2020**

Reserve Policy

The Reserve Policy establishes fund reserve balances to maintain adequate cash reserves to comply with a debt coverage requirement for State Revolving Fund (SRF) loans from State Water Resources Control Board and to handle the possible emergency expenditures in future. The Reserve Policy covers three types of reserves: Operations and Maintenance reserve, Repairs and Replacement reserve, SRF loan reserve. The reserve balances are to be revised annually with adoption of the budget.

The Operations and Maintenance Reserve is funded by operating revenue and equals to 10% of the budgeted total operating expenses for the prior fiscal year. In addition, the Repairs and Replacement Reserve includes 1% of the sum of land improvements, buildings, and interceptors. The SRF loan reserve is funded by both operating and non-operating revenues in order to maintain a sufficient reserve to meet the agreement provision of maintaining one fiscal year's debt service payments.

The Operations and Maintenance Reserve is \$1.44 million and the Repairs and Replacement Reserve is \$2.06 million as of June 30, 2019. The SRF loan reserve for the year ending June 30, 2019 is \$5.29 million.

Procurement Policy

The Procurement Policy lays the guidance for internal controls for the purchases of goods, services and capital expenditures required by VVWRA within the established limits. The policy requires two signatures on a check and a wire transfer issued based on approved purchase orders.

Supervisors are each authorized to approve expenses up to a limit of \$5,000 on any one order or contract. The Construction Manager and the Department Directors are authorized to approve expenses up to a limit of \$10,000 on any one order or contract. The General Manager is authorized to approve expenses up to a limit of \$30,000 on any one order or contract. The VVWRA Board of Commissioners approves all expenses in excess of \$30,000, except for certain recurring expenses such as utilities, process chemicals, permit fees, and other expenses as defined in the policy, and must approve all construction contract change orders. Generally, the selection of purchases of materials, supplies, equipment, and contractual services having an estimated value of more than \$2,000 should be considered based on a minimum of three quotes. Purchases of goods and services having an estimated value of more than \$30,000 should be made through a competitive sealed bid process defined in the policy.

Almost all of our construction contracts fall in this category. Such contracts are awarded through public bids.

Investment Policy

The Investment Policy provides guidelines for the prudent investment of VVWRA's temporary idle cash with the primary objectives of safety, liquidity and yield under provisions of the California Government Code Section 53600.3. Authorized investments include California State Treasurer's Local Agency Investment Fund (LAIF); Investment Trust of California; San Bernardino County

**Victor Valley Wastewater Reclamation Authority
Policies
Fiscal Year 2019-2020**

Investment Policy (Continued)

Local Agency Investment Fund; United States Treasury Bills, Notes and Bonds; insured Certificate of Deposits; and Money Market Mutual Funds.

The majority of VVWRA's investments is in LAIF and Cal TRUST.

Other Policies

Debt Coverage:

VVWRA maintains a cash reserve at least equal to the annual debt payment amount required by State Water Resources Control Board for the existing SRF loans specified as:

1. The financing agreement shall pledge the net revenue of the recipient for repayment of the proposed SRF financing agreement. This pledged revenue source shall be subject to lien and pledge as security for the obligation.
2. The recipient shall establish a restricted reserve fund, held in the recipient's fund, equal to one year's debt service prior to the construction completion date of the project. The reserve fund shall be maintained for the full term of the finance agreement and shall be subject to lien and pledge as security for the obligation.
3. The recipient shall establish rates and charges sufficient to generate net revenues of at least 1.2 times the total annual debt service.

The annual debt principal payment amounts for the year ending June 30, 2019 is \$4.10 million. As more SRF loans were added during FY 2015 for Upper Narrows Replacement, Nanticoke, and two Sub-regional projects; the annual due amount including interest payment will be more than \$5.00 million during peak years. See pages 49 through 51 for the detail payment information. As a special district, VVWRA is not subject to legal debt limits.

Revenues – Rate Ordinance:

VVWRA specifies fees in Fee Ordinance to meet operation needs and most of reserve requirements. The fees, such as connection fees, user charges, high strength surcharges, and septage receiving fees are posted at http://www.vvwra.com/depts/finance/fee_schedule.htm and updated each year. The connection fees are designed to fund capital projects.

These connection and user fees were determined with several discussions with the member agencies to reflect ideas recommended by a five-year financial plan. Due to recent drastic decline in housing market in the high desert where we serve, the revenues from connection fees are not sufficient to support the capital projects. To supplement the funding of the capital projects, VVWRA has obtained federal and state grants in addition to the SRF loans.

Overhead Allocation to Project:

VVWRA records overhead expenses such as legal counsel, engineer consulting, and audit fees as administration costs that are a part of the operation expenses. The personnel costs are also allocated among departments based on the hours the employees spend. See page 36 for the personnel allocation.

**Victor Valley Wastewater Reclamation Authority
Budget Preparation and Review Process
Fiscal Year 2019-2020**

Basis of Budgeting

Victor Valley Wastewater Reclamation Authority (VWVRA) employs a fiscal year beginning July 1. VWVRA prepares its annual budget based on an accrual accounting method (which recognizes revenues and expenses when they incur) excluding non-cash depreciation expense but including loan proceeds and the related repayments to present the fund inflows and outflows. We have included the reconciliation of FY 2018 actual to FY 2018 Comprehensive Annual Financial Report at page 29.

Balanced Budget

A balanced budget is when VWVRA's overall revenues are equal to or exceed its overall expenses. Regrettably, the FY 2020 budget shows the *deficit* with unavoidable repair and replacement expenses.

Budget Process

VWVRA managerial staff inputs budgetary estimates for the following year with their departmental goals^① in mind at the beginning of the budgetary process. Based on these input, the Finance Department prepares the draft budget. The senior management including the General Manager reviews the draft budget. The General Manager predicts capital project costs based on the member agency's needs. The Finance Department incorporates the data in to the draft budget.

The draft budget is presented to the External and Internal Financial Committees that consist of the member agencies for their close review. The revised draft budget is presented to the Financial Committees again to incorporate further recommendations in a proposed budget. After the revisions, the proposed budget is presented to the Board of Commissioners. Any additional comments are incorporated in to the proposed budget. Then the Financial Committee finalizes the recommendations and the Committee presents the budget to the public hearing and Board for approval.

VWVRA reviews and compares its performance to the budget at a mid-year point at around January. If any amendments are necessary, the finance staff revises the budget accordingly then present the revised budget to the Board for approval in February. The approved budgets are posted at VWVRA's website.

① Please see pages 12 and 13 for the departmental goals.



the Mojave River

**Victor Valley Wastewater Reclamation Authority
Budget Preparation and Review Process
Fiscal Year 2019-2020**

The following budget calendar shows our preparation and review process timeline.

Budget Calendar

VVWRA Budget Planning FYE 06/30/2019		Required By Date
Budget Kickoff Meeting		01/31/19
Update actual numbers and prepare for new budget cycle.		01/17/19
Present the budget draft at Managers' meeting.		03/07/19
Present the first draft budget to General Manager (GM) for review.		03/14/19
Hold a preliminary staff budget review meeting with Supervisors and GM.		03/28/19
Provide the draft changes to Controller.		04/04/19
Present the budget executive summary to Internal Finance Committee.		04/11/19
Finalize the draft budget.		04/18/19
Present the budget recommendations to Internal and External Finance Committee.		04/25/19
Present the second recommendations to Internal and External Finance Committee.		05/02/19
Place a public notice on local newspaper to invite public participation.		05/08/19
Circulate the budget document to the Board.		05/09/19
Board Meeting - Present the budget.		05/16/19
Board budget hearing and adoption		06/20/19
The second Board budget hearing and adoption, if needed.		-
Apply for GFOA Award for Excellence in Budget Reporting.		06/28/19

Our budget activities are summarized as:

1. Initiate the budget.
2. Prepare a draft budget based on managers' input.
3. Present the draft to Internal and External Finance Committee.
4. Publish a public hearing notice on local newspaper to invite public participation.
5. Present the budget to the Board of Commissioners.
6. Propose any budget amendments, if applicable, when the staff reviews the performance and budget at around January.

Section III: Goals and Performance

**Victor Valley Wastewater Reclamation Authority
Goals, Objectives and Strategies
Fiscal Year 2019-2020**

Strategic Goals and Strategies to Benefit the Communities

The goal of Victor Valley Wastewater Reclamation Authority (VWVRA) is to provide sustainable and cost effective solutions to benefit the communities we serve. The VWVRA serves an arid region which has historically depleted its groundwater resources. For this reason, the processed wastewater is valued for projects, such as replenishing groundwater, protecting riparian habitat, and generating power plant cooling water. The energy stored in the organic matter delivered in the wastewater can be used to provide heat and power to operate the wastewater treatment plant. Finally, the organic residual resulting from the treatment process can be beneficially reused to amend soil quality and to provide energy to a local cement manufacture, reducing greenhouse gas emissions.

Long-Term Strategies to Pay Back SRF Loans for the Sub-Regional Projects

As the construction of Sub-regional plants was completed during the FY 2018, VWVRA's SRF loans became due in February 2019 (one year after the completion of the construction of the project). The Board has discussed a long-term strategy to pay back these loans timely; the consensus indicates that proper rate adjustments of user charge fees and connection fees for the lost income from the City of Victorville are necessary. As these loan payments affect both funds, Operations (Fund 01) and Construction (Fund 09),¹ the rate consideration involves both user charge fees (for the Fund 01) and connection fees (for the Fund 09). In FY 2020, the user charge fee will increase by 13%, from \$3,503 per million gallons (MG) to \$3,958 per MG; in addition, the connection fee will increase by 17%, from \$4,000 per equivalent dwelling unit (EDU) to \$4,679 per EDU. The increase of fees will ensure that VWVRA remain in compliance with its debt coverage ratio of 1.20 as required by the loan covenants.

Strategic Measures to Attain the Objectives

The VWVRA strives to accomplish objectives by pursuing four fundamental rules; these rules guide staff to evaluate the needs of the member agencies.

Rule #1: Treat the wastewater to the best means possible given the resources available.

VWVRA strives to optimize the wastewater treatment process, while utilizing the resources on hand in an efficient manner.

Rule #2: Obtain the resources to do #1.

VWVRA endeavors to establish reasonable rates, repair and maintain pipelines, and construct facilities to support Rule #1.

Rule #3: Manage liability.

It is every employee's responsibility to act professionally and be mindful of safety protocols to avoid potential liabilities.

¹ Please see page 12 for the descriptions of the funds.

**Victor Valley Wastewater Reclamation Authority
Goals, Objectives and Strategies
Fiscal Year 2019-2020**

Rule #4: Do not confuse governing authority with managerial authority.

The VVWRA Board determines the actions the agency takes. The General Manager implements those actions.

As the staff evaluates each issue by these rules, the staff can prioritize the tasks and focus his or her energy on projects to meet the goals and objectives of VVWRA.

Marketing Strategies

The VVWRA's strategic plan incorporates integrated financial planning, successful marketing of the programs it pursues, and partnerships with a private industry.

The two driving forces behind this agency's strategic plan are community growth and regulatory requirements that determine the amount of resources required to address issues. Additionally, the industry as a whole is changing with more focus on regional watershed-based decision making.

Through a series of capital projects, the VVWRA endeavors to achieve the goal of providing sustainable and cost effective solutions to the surrounding communities. Capital projects such as Westside Plant Phase III-A, Omnivore projects, and an energy storage project allow VVWRA to improve and to expand the infrastructure at its current regional treatment facility to meet new regulatory requirements as well as to expand the plant's treatment capacity.

To expand the operations outside of this Victorville facility, the VVWRA has furthered its quest for sustainability by constructing additional sewer lines and Sub-regional water reclamation plants in the Town of Apple Valley and the City of Hesperia. In addition, a Nanticoke gravity sewer line, approximately 16,250 feet long of 30" PVC pipe, has eliminated the Nanticoke Pump Station, directly connecting to the existing Town of Apple Valley Otoe Pump Station. These Sub-regional plants would allow VVWRA to have sufficient wastewater flow to provide reclaimed water locally and reduce sewage in our over-capacity interceptors. These plants represent the first step in preparing for the people, business, and industry that would sustain regional growth; reducing the overall load on the collection system; and providing recycled water, the valuable and increasingly important resource in this arid region. Another benefit of locating the sub-regional plants farther up the watershed in the vicinity of residential areas will result in saving of the subsequent energy costs of pumping the recycled water back to the recycled water users.

Water is no longer viewed in simplistic terms of water and wastewater. There are now designer waters produced from recycled wastewater. The production of potable water can now include biological filtration. The public is more broadly aware of the direct injection of recycled water in to groundwater. The VVWRA's strategic planning incorporates the elements of sustainability, innovation, and successful marketing.

This concept is best exemplified in the publication building of a *wastewater utility brand*, which discusses how to transition from a traditional monopolistic public utility into an agency of creativity and foresight. Also given the fiscal constraints, it is important to consider opportunities to engage private partnerships and to diversify the revenue sources for the agency.

**Victor Valley Wastewater Reclamation Authority
Operations Performance Measure
Fiscal Year 2019-2020**

Operations Performance:

The following data shows the performance level during the last five years.

	2014	2015	2016	2017	2018
Removal Efficiency					
Biochemical Oxygen Demand	98.90%	98.50%	99.00%	99.07%	98.78%
Total Suspended Solids	99.20%	99.40%	99.50%	99.45%	99.46%
Ammonia Nitrogen	98.60%	98.50%	99.20%	99.54%	99.51%
Number of Active Basins					
Primary Treatment – Active Sedimentation Basins	6.00	6.00	6.00	6.00	6.00
Secondary Treatment -- Active Aeration Basins	12.00	12.00	12.00	12.00	12.00
Wastewater Processed					
Percolation Ponds (MG)	2,303.45	1,613.97	1,889.44	1401.40	2,385.33
Tertiary Treatment (MG)	4,414.67	3,921.47	4,820.55	3,879.10	3,948.56
Average Influent (MGD)	12.01	10.72	10.49	10.63	10.52
Total Effluent (MG)	4,416.67	3,921.47	4,820.55	3,879.10	3,948.56
Miscellaneous Operations					
Septage Waste Received (MG)	5.35	6.54	6.82	7.07	6.27
Recycled Water Sold (MG)	284.20	214.66	160.78	54.8	18.76

Notes:

Removal Efficiency: Removal efficiency refers to the average removal of biochemical oxygen demand, total suspended solids and ammonia nitrogen in the overall treatment of wastewater.

Active Basins: VVWRA utilizes sedimentation basins for primary treatment and aeration basins for secondary treatment. From calendar year 2014 to 2018, the number of sedimentation basins has remained at six (out of existing eight basins) and the number of aeration basins has remained at twelve due to the sustained wastewater flow from the member agencies.

Wastewater Processing: VVWRA uses percolation ponds for disposal of secondary effluent which allow the water to slowly seep into the soil. Tertiary treatment is the final level of treatment before the treated wastewater is discharged into the Mojave River.

Miscellaneous Operations: VVWRA operates a septage receiving facility, where the local septage haulers may dispose their waste at the facility for a fee. Recycled water is provided to neighboring American Organics and the High Desert Power Plant for cooling water.

**Victor Valley Wastewater Reclamation Authority
Operations Performance Measure
Fiscal Year 2019-2020**

Operations Department:

The Operations Department continued to enhance injection of external feed stocks to anaerobic digesters. The 7,427,242 gallons of anaerobically digestible materials, such as food waste, fats, oil and grease were injected to the digesters, increasing the biogas productions by 262% to generate electrical energy. It also eliminated natural gas import for power production resulting in \$109,398 annual savings and annual revenue of \$307,151 from tipping fees.

Under private and public partnership with Anaergia, the department continues to operate two 2G biogas-powered heat and power generators (CHP) to provide a total of 6,358,902 kWh Renewable Energy during the reporting year, utilizing biogas from anaerobic digester, and making the facility 90% to 100% energy and carbon neutral (self-sustained). The facility CHP system produced electricity to power 585.5 homes for one-year based on US Energy Information Administration Statistics. In addition, 5.4 million British thermal unit (BTU) per hour heat, available from the exhaust was transferred to water that flows through the system heat exchangers to heat the anaerobic digesters eliminating the need for installation, operation and maintenance of external sources such as boilers.

Construction Department:

The following are the currently known construction projects for the coming year. Depending on cash flow and urgency needs some of the schedules may be modified.

Project Name	Project Status
1 Subregionals Projects, Apple Valley & Hesperia	Projects Completed
2 Drying Beds Repair and Drainage	Project Completed
3 Desert Knolls Wash, Apple Valley Interceptor Realignment	Construction Completed. Project closeout project August 2019
4 Apple Valley Odor Control	Study will follow the operation of the Apple Valley WRP and the Desert Knolls Wash Realignment. Projected for spring 2020.
5 North Hesperia Relief Interceptor	On hold until evaluation of impact from completed SubRegionals project
6 Spring Valley Lake Relief Interceptor	On hold until evaluation of impact from completed SubRegionals project
7 Ossum Wash Interceptor	\$650,000, on hold awaiting funding
8 Oro Grande Crossing of Mojave River	\$5,700,000, awaiting environmental approvals and funding
9 Shay Plant Storm Water Retention	\$300,000 Construction Estimate., Currently in bidding. Anticipate construction complete December 2019

**Victor Valley Wastewater Reclamation Authority
Operations Performance Measure
Fiscal Year 2019-2020**

10	Digesters 1 - 3 Rehabilitation	\$150,000, VVWRA staff working on having operational September 2019
11	Digesters 4 & 5 Structural Evaluation	\$200,000, Anticipate evaluation complete by December 2019
12	Digesters 4 & 5 Structural Repairs	Cost will depend on what is found in evaluation. Complete March 2020
13	O & M Building expansion	Design under contract. Anticipate completed design November 2019.
14	Filter Effluent Pump Station	\$250,000, on hold waiting on funding



Apple Valley Sub-regional



Hesperia Sub-regional

**Victor Valley Wastewater Reclamation Authority
Operations Performance Measure
Fiscal Year 2019-2020**

Regulatory Compliance and Information Systems Department:

Electrical and Instrumentation projects completed:

1. Otoe Pump Station new automation controls including, new PLC, New VFDs and a New pump
2. Installation of the wet well mixing solution at the Otoe Pump Station
3. Backwash Pump Station new automation controls
4. 5 Flowmeters totalizer installation and integration into SCADA
5. Completed overhaul of the standby generators at the regional plant
6. Installation of a backup system (Temporary Tap) that allows the regional plant to run on rented generator.

Information System Projects completed:

eLogger:

In FY 2018, we achieved a significant progress in the implementation of an electronic logbook solution "eLogger". This program has helped us see the following benefits: eLogger went Live June 14th 2017. eLogger is used across these locations: Apple Valley Sub Regional, Hesperia Sub Regional, All interceptors & collection systems structures, Industrial Dischargers, Pump Stations, Regional Plant and FOG/Septic Haulers.

- 63 different logs are now tracked
- 15284 logs as of 6/6/18
- 33 Active users capture and use important information daily to make operational and regulatory decisions
- 132 different templates were created to make logs relevant and easy to use.
- 59 saved searches and reports

eLogger Highlights

1. Binders and spreadsheets in the control room are disappearing one at a time
2. Green logbooks are a thing of the past
3. eLogger is now being used daily by Operations, Maintenance, E&I, MIS and Pretreatment staff across all locations
4. Information is better organized and can be found faster, we are better informed and more knowledgeable
5. New employees learning curve has also improved
6. AQMD and Storm water regulatory compliance reports are better, faster and more accurate.
7. After a 5 months testing period On January 1st, 2018, all LOTO (Lock out /Tag out) Logs will become electronic
8. Operational meetings are more focused
9. During this process we come to recognize that capturing and preserving VVWRA's staff knowledge about plant processes, systems, procedures and more -- is critical to our long-term operational success.

Regional Plant SCADA communication improvement project:

A new SCADA software solutions by Ignition Software by [Inductive Automation](#) implementation started in FY 2018 and will be completed FY 2019 .The new SCADA software offers the following features:

**Victor Valley Wastewater Reclamation Authority
Operations Performance Measure
Fiscal Year 2019-2020**

- **Web-Based Deployment:** Cross-platform software that will let us quickly launch our SCADA system to any computer or device equipped with a web browser.
- **Rapid Development:** Powerful and intuitive rapid development tools will allow us to spend less time developing and more time innovating.
- **Unlimited Licensing:** Everything we will need for one affordable price. We will use our existing server hardware and use unlimited number of clients, connections, tags and possibilities.
- **Security and Stability:** we will create a secure, reliable control system using modern security protocols and a unified architecture with built-in redundancy.
- **Easy Expandability:** A flexible modular architecture built upon modern IT standards designed to perfectly fit VVWRA's needs.

Laboratory Department:

- Maintained accurate laboratory sampling and testing.
- In preparing for the Sub-regional plants becoming operational in the near future, sampling and testing of groundwater monitoring wells were initiated for four consecutive months starting in February 2015. Groundwater quality data generated from this baseline study will help determine future testing requirements.

The Laboratory/Environmental Compliance groups continued in their efforts to streamline the evaluation process of compliance of industrial permits by adapting existing software reporting features to include analytical data and specific permit requirements.

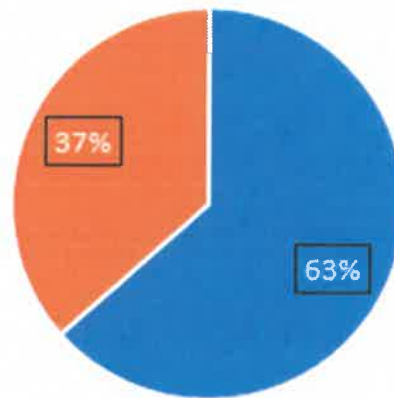
Victor Valley Wastewater Reclamation Authority
Operations Performance Measure
Fiscal Year 2019-2020

Maintenance Department:

Preventive maintenance: Planned maintenance, also referred to as scheduled maintenance, is a proactive strategy where maintenance and inspections of equipment and other assets are scheduled at regular intervals to ensure that equipment is operating correctly so as to minimize breakdown and downtime levels.

Reactive maintenance: Often referred to as breakdown maintenance or corrective maintenance, is very much a reactive strategy where repairs are performed at the point when equipment fails. This maintenance results in unplanned downtime and damaged equipment.

Assets Management Trend 2015-2018



■ Preventive Maintenance Completed ■ Reactive Maintenance Completed

**Victor Valley Wastewater Reclamation Authority
Operations Performance Measure
Fiscal Year 2019-2020**

Finance Department:

The Finance Department has achieved its goal of presenting financial projections and results in an easy-to-understand format that has led VVWRA to win the Government Finance Officers Association awards. The awards won are:

1. Budgets: Distinguished Budget Presentation Award in the years beginning July 1, 2012 through 2018 and
2. Comprehensive Annual Financial Reports: Certificate of Achievement for Excellence in Financial Reporting for the years ended June 30, 2010 through 2018.

All the departmental goals and objectives are to pursue the agency's overall goal of serving the member agencies' needs, quantified as much as practically possible.

Section IV: Financial Information and Trend Analyses

Victor Valley Wastewater Reclamation Authority
Consolidated Budget Statement of All Funds
Fiscal Year 2019-2020

Our goals, objectives and strategies are transformed into numbers for the budgets with a projection for the rest of FY 2019. The consolidated budget on this page shows all functions of the entire organization. The next page 29 demonstrates a reconciliation of FY 2018 actual to CAFR for the year ended June 30, 2018. The budget on page 30 is for the Operations and Maintenance Fund, the budget on page 32 is for the Repairs and Replacements Fund, and the page 34 shows the budget for the Capital Fund.

	2018 Actual \$3,503/MG	2018 Budget \$3,503/MG	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$3,503/MG	2020 Budget \$3,958/MG
Operations & Maintenance Fund Revenues						
User Charges	\$ 13,581,133	\$ 13,661,700	\$ 11,324,052	\$ 13,588,862	\$ 13,661,700	\$ 15,140,450
Allocate Resource to Repairs and Replacements Fund	(247,500)	(247,500)	(1,527,480)	(2,695,580)	(2,749,326)	(2,606,326)
VVIWWTP Sludge	112,780	137,074	85,674	102,809	120,000	120,000
High Strength Waste Surcharges	17,170	25,000	18,526	22,231	20,000	20,000
ADM FOG Tipping Fee Revenue	311,600	205,000	229,075	274,890	200,000	250,000
Septage Receiving Facility Charges	621,155	609,000	503,923	604,708	550,000	600,000
Reclaimed Water Sales	15,213	44,000	6,392	7,670	25,000	25,000
Interest	1,062	-	1,182	1,418	-	-
Pretreatment Fees	52,700	51,200	46,500	55,800	50,000	50,000
Miscellaneous	9,800	1,250	2,725	3,270	1,200	1,200
Grant - Proposition 1	559,205	458,297	-	-	-	-
Grant - Title 16	10,367	-	-	-	-	-
Grant - Water Recycling	269,863	246,466	-	-	-	-
	<u>\$ 15,314,548</u>	<u>\$ 15,191,487</u>	<u>\$ 10,690,569</u>	<u>\$ 11,966,078</u>	<u>\$ 11,878,574</u>	<u>\$ 13,600,324</u>
Other Operating Financing Sources						
SRF Loan Funding	\$ 6,996,996	\$ 1,684,303	\$ 1,967,706	\$ 1,967,706	\$ -	\$ -
	<u>\$ 6,996,996</u>	<u>\$ 1,684,303</u>	<u>\$ 1,967,706</u>	<u>\$ 1,967,706</u>	<u>\$ -</u>	<u>\$ -</u>
Repairs and Replacements Fund Financing Sources						
Transferred from Operations & Maintenance Fund	\$ 247,500	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,606,326
	<u>\$ 247,500</u>	<u>\$ 247,500</u>	<u>\$ 1,527,480</u>	<u>\$ 2,695,580</u>	<u>\$ 2,749,326</u>	<u>\$ 2,606,326</u>
Capital Fund Revenues						
Connection Fees	\$ 2,882,239	\$ 878,900	\$ 1,733,793	\$ 2,080,552	\$ 2,000,000	\$ 2,282,917
Interest	66,090	38,000	210,550	210,550	35,000	50,000
Grant - FEMA/Cal-OES	-	3,105,375	-	-	3,105,375	-
Grant - Water Recycling	172,536	157,577	-	-	-	-
Grant - Proposition 1	357,524	293,010	-	-	-	-
Grant - Proposition 84	-	-	-	-	-	-
Grant - Title 16	6,628	-	-	-	-	-
Grant - CEC Microgrid	991,745	-	20,828	24,994	-	-
	<u>\$ 4,476,762</u>	<u>\$ 4,472,862</u>	<u>\$ 1,965,171</u>	<u>\$ 2,316,096</u>	<u>\$ 5,140,375</u>	<u>\$ 2,332,917</u>
Other Capital Financing Sources						
SRF Loan Funding	\$ 4,359,855	\$ 593,349	\$ 634,344	\$ 634,344	\$ -	\$ -
	<u>\$ 4,359,855</u>	<u>\$ 593,349</u>	<u>\$ 634,344</u>	<u>\$ 634,344</u>	<u>\$ -</u>	<u>\$ -</u>
Total Revenues and Other Financing Sources	\$ 31,395,261	\$ 22,189,501	\$ 16,785,270	\$ 19,579,804	\$ 19,768,275	\$ 18,539,567
Operations and Maintenance Fund Expenses						
Personnel and Benefits	\$ 4,428,774	\$ 4,086,603	\$ 3,362,412	\$ 4,034,896	\$ 4,080,784	\$ 4,793,211
Maintenance	1,596,944	2,919,360	1,296,847	2,186,883	2,194,767	2,489,956
Operations	2,775,629	3,066,985	2,362,128	2,954,552	3,151,072	3,433,515
Administration	1,807,885	2,270,884	1,675,519	2,107,850	2,183,749	1,765,481
Construction	170,804	2,389,065	47,515	586,834	-	-
	<u>\$ 10,780,036</u>	<u>\$ 14,732,897</u>	<u>\$ 8,744,421</u>	<u>\$ 11,871,015</u>	<u>\$ 11,610,372</u>	<u>\$ 12,482,163</u>
Emergency Expenses						
Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	-	-	-	-	-	-
FEMA Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expected FEMA/Cal-OES Grants	-	(747,034)	-	-	(747,034)	-
	<u>\$ -</u>	<u>\$ (747,034)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (747,034)</u>	<u>\$ -</u>
Repairs and Replacements Fund Expenses						
Personnel and Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance	57,846	242,500	472,089	1,198,452	1,204,326	1,836,326
Operations	101,540	-	20,433	24,520	25,000	-
Administration	-	5,000	85,507	102,608	150,000	145,000
Construction	-	-	949,451	1,170,000	1,370,000	625,000
	<u>\$ 159,386</u>	<u>\$ 247,500</u>	<u>\$ 1,527,480</u>	<u>\$ 2,695,580</u>	<u>\$ 2,749,326</u>	<u>\$ 2,606,326</u>
Capital Fund Expenses						
Personnel and Benefits	\$ 385,110	\$ 416,716	\$ 332,546	\$ 378,554	\$ 378,554	\$ 384,910
Maintenance	-	40,000	-	-	-	-
Operations	-	170	-	-	170	170
Administration	(2,054)	140,000	(2,054)	(2,465)	-	50,000
Construction	-	2,482,435	55,600	646,333	430,000	850,000
	<u>\$ 383,056</u>	<u>\$ 3,079,321</u>	<u>\$ 386,092</u>	<u>\$ 1,022,422</u>	<u>\$ 808,724</u>	<u>\$ 1,285,080</u>
Debt Services						
SRF Principal	\$ 2,071,097	\$ 2,056,359	\$ 3,065,323	\$ 3,962,976	\$ 4,097,480	\$ 4,020,810
SRF Interest	1,768,685	570,419	783,194	1,184,885	1,200,061	1,127,051
	<u>\$ 3,839,782</u>	<u>\$ 2,626,778</u>	<u>\$ 3,848,617</u>	<u>\$ 5,147,861</u>	<u>\$ 5,297,541</u>	<u>\$ 5,147,861</u>
Total Expenses and Debt Services	\$ 15,162,260	\$ 19,939,462	\$ 14,506,610	\$ 20,736,878	\$ 19,718,929	\$ 21,521,430
Interfund Loan						
Interfund Loan to the Operations & Maintenance Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,642,974)
Interfund Loan from the Capital Fund	-	-	-	-	-	1,642,974
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Agency Net Surplus or (Deficit)	\$ 16,233,001	\$ 2,250,039	\$ 2,278,660	\$ (1,157,074)	\$ 49,346	\$ (2,981,863)

Note: Please see A Locations of Personnel Expenses at page 36.

Victor Valley Wastewater Reclamation Authority
Reconciliation from Actual to CAFR for the Year Ended June 30, 2018
Fiscal Year 2019-2020

	2018 Actual on Page 28	Reconciliation to CAFR	2018 Per CAFR
Operating Revenues			
User Charges	\$ 13,581,133	\$ -	\$ 13,581,133
Adelanto User Charges	112,780	-	112,780
High Strength Waste Surcharges	17,170	-	17,170
Septage Receiving Facility Charges	621,155	-	621,155
ADM FOG Tipping Fee Revenue	311,600	-	311,600
Reclaimed Water Sales	15,213	-	15,213
Pretreatment Fees	52,700	-	52,700
Grant - Water Recycling	269,863	-	269,863
Grant - Proposition 1	559,205	-	559,205
Grant - Title 16	10,367	-	10,367
Miscellaneous	9,800	-	9,800
	<u>\$ 15,560,986</u>	<u>\$ -</u>	<u>\$ 15,560,986</u>
Capital Revenues			
Connection Fees	\$ 2,882,239	\$ -	\$ 2,882,239
Interest	67,152	-	67,152
Grant - Title 16	6,628	-	6,628
Grant - FEMA/Cal-OES	-	-	-
Grant - Water Recycling	172,536	-	172,536
Grant - Proposition 1	357,524	-	357,524
Grant - Proposition 84	-	-	-
Grant - CEC Microgrid	991,745	-	991,745
	<u>\$ 4,477,824</u>	<u>\$ -</u>	<u>\$ 4,477,824</u>
Other Financing Sources			
SRF Loan Funding	\$ 11,356,451	\$ (11,356,451)	\$ -
	<u>\$ 11,356,451</u>	<u>\$ (11,356,451)</u>	<u>\$ -</u>
Total Revenues and Other Financing Sources	\$ 31,395,261	\$ (11,356,451)	\$ 20,038,810
Operating Expenses			
Personnel and Benefits	\$ 4,428,774	\$ -	\$ 4,428,774
Maintenance	1,596,944	-	1,596,944
Operations	2,775,629	-	2,775,629
Administration	1,807,885	-	1,807,885
Construction	170,804	-	170,804
	<u>\$ 10,780,036</u>	<u>\$ -</u>	<u>\$ 10,780,036</u>
Emergency Expenses			
Maintenance	\$ -	\$ -	\$ -
Operations	-	-	-
FEMA Expenses	-	-	-
Expected FEMA/Cal-OES Grants	-	-	-
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Depreciation Expense	\$ -	\$ 9,226,174	\$ 9,226,174
Repair and Replacement Expense			
Personnel and Benefits	\$ -	\$ -	\$ -
Maintenance	57,846	-	57,846
Operations	101,540	-	101,540
Administration	-	-	-
Construction	-	-	-
	<u>\$ 159,386</u>	<u>\$ -</u>	<u>\$ 159,386</u>
Capital Expenses			
Personnel and Benefits	\$ 385,110	\$ -	\$ 385,110
Maintenance	-	-	-
Operations	-	-	-
Administration	(2,054)	-	(2,054)
Construction	-	-	-
	<u>\$ 383,056</u>	<u>\$ -</u>	<u>\$ 383,056</u>
Debt Services			
SRF Principal	\$ 2,071,097	\$ (2,071,097)	\$ -
SRF Interest	1,768,685	-	1,768,685
	<u>\$ 3,839,782</u>	<u>\$ (2,071,097)</u>	<u>\$ 1,768,685</u>
Total Expenses with Debt Services	\$ 15,162,260	\$ 7,155,077	\$ 22,317,337
Total Net Surplus or (Deficit)	\$ 16,233,001	\$ (18,511,528)	\$ (2,278,527)

Victor Valley Wastewater Reclamation Authority
Budget Statement of Operations and Maintenance Fund
Fiscal Year 2019-2020

	2018 Actual \$3,503/MG	2018 Budget \$3,503/MG	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$3,503/MG	2020 Budget \$3,958/MG
Revenues						
User Charges	\$ 13,581,133	\$ 13,661,700	\$ 11,324,052	\$ 13,588,862	\$ 13,661,700	\$ 15,140,450
Allocate Resource to Repairs and Replacements Fund	(247,500)	(247,500)	(1,527,480)	(2,695,580)	(2,749,326)	(2,606,326)
VVIWWTP Sludge	112,780	137,074	85,674	102,809	120,000	120,000
High Strength Waste Surcharges	17,170	25,000	18,526	22,231	20,000	20,000
ADM FOG Tipping Fee Revenue	311,600	205,000	229,075	274,890	200,000	250,000
Septage Receiving Facility Charges	621,155	609,000	503,923	604,708	550,000	600,000
Reclaimed Water Sales	15,213	44,000	6,392	7,670	25,000	25,000
Interest	1,062	-	1,182	1,418	-	-
Pretreatment Fees	52,700	51,200	46,500	55,800	50,000	50,000
Miscellaneous	9,800	1,250	2,725	3,270	1,200	1,200
Grant - Proposition 1	559,205	458,297	-	-	-	-
Grant - Title 16	10,367	-	-	-	-	-
Grant - Water Recycling	269,863	246,466	-	-	-	-
	\$ 15,314,548	\$ 15,191,487	\$ 10,690,569	\$ 11,966,078	\$ 11,878,574	\$ 13,600,324
Other Financing Sources						
SRF Loan Funding	\$ 6,996,596	\$ 1,684,303	\$ 1,967,706	\$ 1,967,706	\$ -	\$ -
	\$ 6,996,596	\$ 1,684,303	\$ 1,967,706	\$ 1,967,706	\$ -	\$ -
Total Operating Revenues and Other Financing Sources	\$ 22,311,144	\$ 16,875,790	\$ 12,658,275	\$ 13,933,784	\$ 11,878,574	\$ 13,600,324
Expenses						
Personnel and Benefits	\$ 4,428,774	\$ 4,086,603	\$ 3,362,412	\$ 4,034,896	\$ 4,080,784	\$ 4,793,211
Maintenance	1,596,944	2,919,360	1,296,847	2,186,883	2,194,767	2,489,956
Operations	2,775,629	3,066,985	2,362,128	2,954,552	3,151,072	3,433,515
Administration	1,807,885	2,270,884	1,675,519	2,107,850	2,183,749	1,765,481
Construction	170,804	2,389,065	47,515	586,834	-	-
	\$ 10,780,036	\$ 14,732,897	\$ 8,744,421	\$ 11,871,015	\$ 11,610,372	\$ 12,482,163
Emergency Expenses						
Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	-	-	-	-	-	-
FEMA OPERATING EXPENSES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expected FEMA/Cal-OES Grants	-	(747,034)	-	-	(747,034)	-
	\$ -	\$ (747,034)	\$ -	\$ -	\$ (747,034)	\$ -
Debt Services						
SRF Principal	\$ 868,529	\$ 857,475	\$ 1,339,505	\$ 2,012,745	\$ 2,094,805	\$ 2,039,479
SRF Interest	1,106,611	361,138	447,196	748,389	762,842	721,656
	\$ 1,975,140	\$ 1,218,613	\$ 1,786,701	\$ 2,761,134	\$ 2,857,647	\$ 2,761,135
Total Operations & Maintenance Expenses with Debt Services	\$ 12,755,176	\$ 15,204,476	\$ 10,531,122	\$ 14,632,149	\$ 13,720,985	\$ 15,243,298
Interfund Loan from the Capital Fund	-	-	-	-	-	1,642,974
Operations & Maintenance Net Surplus or (Deficit)	\$ 9,555,968	\$ 1,671,314	\$ 2,127,153	\$ (698,365)	\$ (1,842,411)	\$ -

Ⓢ Please see detailed expense information at page 31.

We have predicted 3,900 million gallons (MG) of wastewater inflows to process for the FY 2020 budget. The FY 2020 inflow quantity is multiplied by the rate of \$3,503 per MG from July through August, then multiplied by the rate of \$3,958 per MG from September through June. Please refer to page 36 for the personnel expenses allocated between Operations & Maintenance (O&M) and Capital Funds. As for the State Revolving Fund (SRF) loan principal and interest payments for future years, please refer to pages 49 and 50 for the SRF loan payment schedule per maturities. Ideally the O&M Fund should cover the Repairs and Replacements Fund expenses. See Budget Statement of Repairs and Replacement Fund at page 32.

Victor Valley Wastewater Reclamation Authority
Operations and Maintenance Fund – Expenses Other Than Emergency Expenses
Fiscal Year 2019-2020

	2018 Actual \$3,503/MG	2018 Budget \$3,503/MG	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$3,503/MG	2020 Budget \$3,958/MG
Personnel Expenses Allocations ①						
Allocation to Maintenance	\$ 1,155,331	\$ 970,585	\$ 812,891	\$ 975,470	\$ 1,151,161	\$ 1,307,161
Allocation to Operations	1,781,136	1,661,723	1,367,134	1,640,562	1,777,237	2,248,911
Allocation to Administrations	1,492,303	1,454,295	1,182,387	1,418,864	1,152,386	1,237,139
	<u>\$ 4,428,770</u>	<u>\$ 4,086,603</u>	<u>\$ 3,362,412</u>	<u>\$ 4,034,896</u>	<u>\$ 4,080,784</u>	<u>\$ 4,793,211</u>
Maintenance Expenses						
Maintenance Equipment	\$ 696,952	\$ 1,110,560	\$ 540,563	\$ 1,138,676	\$ 1,141,560	\$ 1,388,036
Instrumentation	441,035	648,000	243,759	317,511	318,169	308,286
Total Grounds Maintenance & Landscaping	270,831	724,400	287,591	355,109	358,900	460,300
Vehicle Repairs	124,097	251,400	128,318	238,151	241,638	208,334
Interceptor Sewer Maintenance	26,203	105,500	82,086	90,000	90,000	90,000
Maintenance Safety Equipment	15,693	38,000	5,368	6,442	3,000	3,000
Misc. Maintenance Expense	22,133	41,500	9,162	40,994	41,500	32,000
	<u>\$ 1,596,944</u>	<u>\$ 2,919,360</u>	<u>\$ 1,296,847</u>	<u>\$ 2,186,883</u>	<u>\$ 2,194,767</u>	<u>\$ 2,489,956</u>
Operations Expenses						
Process Chemicals	\$ 311,566	\$ 370,540	\$ 198,550	\$ 248,260	\$ 346,850	\$ 331,780
Utilities	1,577,787	1,557,423	1,408,649	1,700,379	1,528,431	1,771,252
Trash and Sludge	128,713	148,000	99,881	129,857	156,000	210,000
Fuel and Lubricants	104,137	159,000	82,537	109,044	110,000	108,000
Lab Supplies and Services	40,940	115,100	19,081	32,897	107,700	112,700
Outside Lab Services	365,995	450,500	296,217	365,460	461,500	497,300
Safety Equipment	60,790	66,422	111,088	143,306	169,291	153,183
Custodial Services and Supplies	39,982	45,500	41,342	59,610	51,500	48,000
Equipment Rental	72,456	55,000	46,813	66,176	120,300	117,300
Uniforms	21,141	21,000	22,191	36,629	11,000	28,000
Security	26,236	18,500	9,227	21,072	28,500	26,000
Permits	25,886	60,000	26,507	41,808	60,000	30,000
Misc. Operating Expense	-	-	45	54	-	-
	<u>\$ 2,775,629</u>	<u>\$ 3,066,985</u>	<u>\$ 2,362,128</u>	<u>\$ 2,954,552</u>	<u>\$ 3,151,072</u>	<u>\$ 3,433,515</u>
Administrations Expenses						
Telephone and Communications	\$ 169,485	\$ 278,220	\$ 116,385	\$ 149,662	\$ 297,500	\$ 180,500
Computer Supplies	77,220	77,000	73,907	98,688	60,000	102,000
Office Supplies	63,587	109,450	46,739	66,087	103,800	106,300
Travel, Meeting, Training	100,956	188,750	100,132	130,158	186,550	107,800
Employee and Community Events	45,566	28,700	9,604	11,525	25,000	14,400
Membership, Fees, Licenses	63,517	41,705	45,786	54,943	54,005	73,630
Professional Services	316,889	729,765	542,326	660,791	636,894	411,894
Legal Services and Fees	543,662	360,000	267,323	330,788	440,000	340,000
Temporary Labor	43,393	133,294	82,748	109,298	40,000	-
Bond & Liability Insurance	127,625	125,000	159,013	200,816	130,000	130,000
Finance Fees	1,157	-	215	258	-	-
Misc. Administration Expense	26,020	-	1,252	11,502	-	-
Permit Fees	228,808	199,000	216,227	269,472	210,000	288,000
Interest Accrual	-	-	-	-	-	-
Brown Bear Lease Interest	-	-	13,862	13,862	-	10,957
	<u>\$ 1,807,885</u>	<u>\$ 2,270,884</u>	<u>\$ 1,675,519</u>	<u>\$ 2,107,850</u>	<u>\$ 2,183,749</u>	<u>\$ 1,765,481</u>
Construction Expenses						
	\$ 170,804	\$ 2,389,065	\$ 47,515	\$ 586,834	\$ -	\$ -
Total Operations and Maintenance Fund Expenses						
Before Emergency	<u>\$ 10,780,032</u>	<u>\$ 14,732,897</u>	<u>\$ 8,744,421</u>	<u>\$ 11,871,015</u>	<u>\$ 11,610,372</u>	<u>\$ 12,482,163</u>

① Please see Allocations of Personnel Expenses at page 36.

Victor Valley Wastewater Reclamation Authority
Budget Statement of Repairs and Replacements Fund
Fiscal Year 2019-2020

	2018 Actual \$3,503/MG	2017 Budget \$3,274/MG	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2018 Budget \$3,503/MG	2020 Budget \$3,958/MG
Repairs and Replacements Financing Sources						
Transferred from Operations & Maintenance Fund	\$ 247,500	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,606,326
	\$ 247,500	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,606,326
Expenses						
Personnel and Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance	57,846	242,500	472,089	1,198,452	1,204,326	1,836,326
Operations	101,540	-	20,433	24,520	25,000	-
Administration	-	5,000	85,507	102,608	150,000	145,000
Construction	-	-	949,451	1,370,000	1,370,000	625,000
	\$ 159,386	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,606,326
Emergency Expenses						
Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	-	-	-	-	-	-
FEMA OPERATING EXPENSES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expected FEMA/Cal-EMA Grants	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Services						
SRF Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SRF Interest	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Repairs and Replacements Expenses with Debt Services	\$ 159,386	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,606,326
Repairs and Replacements Net Surplus or (Deficit)	\$ 88,114	\$ -	\$ -	\$ -	\$ -	\$ -

This Repairs and Replacement (R&R) Fund has been a part of Operations and Maintenance (O&M) Fund in the past-year budget presentations. For FY 2018 through FY 2020, we have presented the R&R Fund separately, as we strongly believe that such presentation better describes the normal operations and maintenance results without skewing them with periodical high repairs and replacement costs. In order to sustain the R&R projects, a transfer from the O&M fund is needed.

Victor Valley Wastewater Reclamation Authority
Repairs and Replacements Fund Expenses
Fiscal Year 2019-2020

	2018 Actual \$3,503/MG	2018 Budget \$3,503/MG	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$3,503/MG	2020 Budget \$3,958/MG
Personnel Expenses Allocations						
Allocation to Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Allocation to Operations	-	-	-	-	-	-
Allocation to Administrations	-	-	-	-	-	-
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Maintenance Expenses						
Maintenance Equipment	\$ 33,254	\$ 153,000	\$ 392,877	\$ 471,452	\$ 353,000	\$ 364,000
Instrumentation	12,592	37,000	79,212	270,000	394,326	747,326
Total Grounds Maintenance & Landscaping	12,000	32,500	-	425,000	425,000	725,000
Vehicle Repairs	-	-	-	32,000	32,000	-
Interceptor Sewer Maintenance	-	-	-	-	-	-
Maintenance Safety Equipment	-	-	-	-	-	-
Misc. Maintenance Expense	-	20,000	-	-	-	-
	<u>\$ 57,846</u>	<u>\$ 242,500</u>	<u>\$ 472,089</u>	<u>\$ 1,198,452</u>	<u>\$ 1,204,326</u>	<u>\$ 1,836,326</u>
Operations Expenses						
Process Chemicals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities	-	-	-	-	-	-
Trash and Sludge	-	-	-	-	-	-
Fuel and Lubricants	-	-	-	-	-	-
Lab Supplies and Services	-	-	-	-	-	-
Outside Lab Services	-	-	-	-	-	-
Safety	-	-	20,433	24,520	25,000	-
Custodial Services and Supplies	-	-	-	-	-	-
Equipment Rental	101,540	-	-	-	-	-
Uniforms	-	-	-	-	-	-
Security	-	-	-	-	-	-
Permits	-	-	-	-	-	-
Misc. Operating Expense	-	-	-	-	-	-
	<u>\$ 101,540</u>	<u>\$ -</u>	<u>\$ 20,433</u>	<u>\$ 24,520</u>	<u>\$ 25,000</u>	<u>\$ -</u>
Administrations Expenses						
Telephone and Communications	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Supplies	-	-	820	984	50,000	-
Office Supplies	-	5,000	-	-	-	-
Travel, Meeting, Training	-	-	-	-	-	-
Professional Services / Cons	-	-	-	-	100,000	145,000
Membership, Fees, Licenses	-	-	-	-	-	-
Professional Services	-	-	84,687	101,624	-	-
Legal Services and Fees	-	-	-	-	-	-
Temporary Labor	-	-	-	-	-	-
Bond & Liability Insurance	-	-	-	-	-	-
Finance Fees	-	-	-	-	-	-
Misc. Administration Expense	-	-	-	-	-	-
Permit Fees	-	-	-	-	-	-
Rent	-	-	-	-	-	-
Supplemental Environmental Project Payment	-	-	-	-	-	-
	<u>\$ -</u>	<u>\$ 5,000</u>	<u>\$ 85,507</u>	<u>\$ 102,608</u>	<u>\$ 150,000</u>	<u>\$ 145,000</u>
Construction Expenses						
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 949,451</u>	<u>\$ 1,370,000</u>	<u>\$ 1,370,000</u>	<u>\$ 625,000</u>
Total Repairs and Replacements Fund Expenses	<u>\$ 159,386</u>	<u>\$ 247,500</u>	<u>\$ 1,527,480</u>	<u>\$ 2,695,580</u>	<u>\$ 2,749,326</u>	<u>\$ 2,606,326</u>

Victor Valley Wastewater Reclamation Authority
Budget Statement of Capital Fund
Fiscal Year 2019-2020

	2018 Actual \$4,000/EDU (1)	2018 Budget \$4,000/EDU (1)	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$4,000/EDU (1)	2020 Budget \$4,679/EDU (1)
Revenues						
Connection Fees	\$ 2,882,239	\$ 878,900	\$ 1,733,793	\$ 2,080,552	\$ 2,000,000	\$ 2,282,917
Interest	66,090	38,000	210,550	210,550	35,000	50,000
Grant - FEMA/Cal-EMA	-	3,105,375	-	-	3,105,375	-
Grant - Water Recycling	172,536	157,577	-	-	-	-
Grant - Proposition 1	357,524	293,010	-	-	-	-
Grant - Proposition 84	-	-	-	-	-	-
Grant - Title 16	6,628	-	-	-	-	-
Grant - CEC Microgrid	991,745	-	20,828	24,994	-	-
	<u>\$ 4,476,762</u>	<u>\$ 4,472,862</u>	<u>\$ 1,965,171</u>	<u>\$ 2,316,096</u>	<u>\$ 5,140,375</u>	<u>\$ 2,332,917</u>
Other Financing Sources						
SRF Loan Funding	\$ 4,359,855	\$ 593,349	\$ 634,344	\$ 634,344	\$ -	\$ -
	<u>\$ 4,359,855</u>	<u>\$ 593,349</u>	<u>\$ 634,344</u>	<u>\$ 634,344</u>	<u>\$ -</u>	<u>\$ -</u>
Total Capital Revenues and Other Financing Sources	\$ 8,836,617	\$ 5,066,211	\$ 2,599,515	\$ 2,950,440	\$ 5,140,375	\$ 2,332,917
Expenses						
Personnel and Benefits	\$ 385,110	\$ 416,716	\$ 332,546	\$ 378,554	\$ 378,554	\$ 384,910
Maintenance	-	40,000	-	-	-	-
Operations	-	170	-	-	170	170
Administration	(2,054)	140,000	(2,054)	(2,465)	-	50,000
Construction	-	2,482,435	55,600	646,333	430,000	850,000
	<u>\$ 383,056</u>	<u>\$ 3,079,321</u>	<u>\$ 386,092</u>	<u>\$ 1,022,422</u>	<u>\$ 808,724</u>	<u>\$ 1,285,080</u>
Debt Services						
SRF Principal	\$ 1,202,568	\$ 1,198,884	\$ 1,725,818	\$ 1,950,231	\$ 2,002,675	\$ 1,981,331
SRF Interest	662,074	209,281	336,098	436,496	437,219	405,395
	<u>\$ 1,864,642</u>	<u>\$ 1,408,165</u>	<u>\$ 2,061,916</u>	<u>\$ 2,386,727</u>	<u>\$ 2,439,894</u>	<u>\$ 2,386,726</u>
Total Capital Expenses with Debt Services	\$ 2,247,698	\$ 4,487,486	\$ 2,448,008	\$ 3,409,149	\$ 3,248,618	\$ 3,671,806
Interfund Loan to the Operations & Maintenance Fund	-	-	-	-	-	(1,642,974)
Capital Net Surplus or (Deficit)	\$ 6,588,919	\$ 578,725	\$ 151,507	\$ (458,709)	\$ 1,891,757	\$ (2,981,863)

(1) EDU = Equivalent Dwelling Unit (250 gallons/day or 20 fixture units)

VVWRA has completed the construction of sub-regional water reclamation plants (sub-regionals) in the City of Hesperia and the Town of Apple Valley during FY 2018. The construction costs of these plants approximate \$40 million each. These projects are funded mostly by Clean Water State Revolving Fund (SRF) loans from the California State Water Resources Control Board (SWRCB) and the remaining by Title 16 Grant from the Federal Bureau of Reclamation, by Proposition One Water Quality, Supply, and Infrastructure Improvement Act of 2014 and Proposition 84 Round Two Integrated Regional Water Management Implementation Grant from the California State Department of Water Resources, and by Propositions 13 and 50 under Water Recycling Grant Program from the SWRCB. These SRF loan repayments for the sub-regionals would affect FY 2020 operation costs as the loan repayment process began during FY 2019. As the loan agreements require, VVWRA has set up a loan reserve to cover one-year payment of principal and interest for the sub-regional projects. In order to be in compliance, the member agencies have searched for the long-term solution how to repay the SRF loans for these projects. With the daily loss of 1.7 million gallons of wastewater flow from the City of Victorville that was a part of the flow revenue projected in our 2014 financial plan, the member agencies' consensus is to have a proper rate adjustment to either operate these two plants or pay back the loans as they become due. The FY 2020 budget is based on operating only one of these plants per the Finance Committee recommendation. Until the agency can change both the user charge rate and the connection fee rate, it

Victor Valley Wastewater Reclamation Authority
Budget Statement of Capital Fund
Fiscal Year 2019-2020

will most definitely face the challenge during FY 2020, not having enough reserves as required for the sub-regionals loans.

Please refer to pages 50 and 51 for the SRF loan payments that impact both Operations and Capital fund activities.

The long-range financial impact of these capital projects on the O&M and Capital budget is significant, as the loan repayment of principal and interest will increase from \$2.7 million in FY 2018 to \$5.1 million in FY 2020. In order to maintain the required debt payment reserve level, VVWRA will increase the user charge rate by 13%, from \$3,503 per MG to \$3,958 per MG; as well as increasing the connection fee rate by 17%, from \$4,000 per EDU to \$4,679 per EDU. In addition to the City of Victorville's diversion of flow to its own reclamation facility and not sending a portion of connection fees to VVWRA, another member agency, the City of Hesperia stopped paying its connection fees in protest to Victorville's non-payment. It is uncertain now whether VVWRA could maintain the reserve level that would have enabled the Authority to comply with the SWRCB's debt reserve revenue requirements. VVWRA is currently working with external financial consultants on a new financial plan that will ensure the Authority's compliance with the debt reserve requirement in future years.

Victor Valley Wastewater Reclamation Authority
Allocations of Personnel Expenses
Fiscal Year 2019-2020

	2018 Actual \$3,503/MG	2018 Budget \$3,503/MG	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$3,503/MG	2020 Budget \$3,958/MG
Operations and Maintenance Salary Expenses						
Regular Salaries	\$ 2,840,647	\$ 2,850,355	\$ 2,452,152	\$ 2,942,582	\$ 2,884,301	\$ 3,344,799
Overtime	138,953	133,400	129,847	155,816	156,500	164,000
Call-Out Pay	59,081	66,120	53,689	64,427	66,120	72,120
Salaries Expense - Capital	(243,094)	-	(237,212)	(284,654)	-	-
	<u>\$ 2,795,587</u>	<u>\$ 3,049,875</u>	<u>\$ 2,398,476</u>	<u>\$ 2,878,171</u>	<u>\$ 3,106,921</u>	<u>\$ 3,580,919</u>
Operations and Maintenance Benefit Expenses						
Longevity	\$ 28,836	\$ 30,895	\$ 32,698	\$ 39,238	\$ 33,209	\$ 39,685
Vehicle Allowance	-	18,000	-	-	18,000	18,139
Sick Leave Buy Back	-	-	-	-	-	-
Medicare	42,842	41,504	37,213	44,656	42,083	48,844
Social Security Expense	771	-	4,168	5,002	-	-
PERS / Health Insurance	347,175	232,969	291,417	349,700	232,969	337,677
Dental / Vision Insurance	30,610	22,436	27,763	33,316	22,436	29,928
Workers Comp Insurance	6,566	87,133	44,969	53,963	88,291	122,719
PERS / Retirement	572,092	420,942	559,744	671,693	252,000	314,021
PERS / Retirement - GASB 68	663,927	-	-	-	-	-
PERS / Retirement-EUL	-	308,170	-	-	366,667	436,059
Life Insurance	13,341	15,168	12,176	14,611	15,370	17,643
Unemployment Insurance	16,014	10,948	18,413	22,096	10,948	12,236
Disability Insurance	18,797	20,064	25,114	30,137	20,331	26,850
Misc Personnel Expense	5,864	9,500	5,595	6,714	11,500	13,750
OPEB Expense	28,364	85,000	-	-	85,000	30,000
Benefits Expense - Capital	(142,016)	-	(95,334)	(114,401)	-	-
	<u>\$ 1,633,183</u>	<u>\$ 1,302,729</u>	<u>\$ 963,936</u>	<u>\$ 1,156,725</u>	<u>\$ 1,198,804</u>	<u>\$ 1,447,551</u>
Capital Salary and Benefits Expenses						
Salaries	\$ 243,094	\$ 127,607	\$ 237,212	\$ 284,654	\$ 129,872	\$ 123,510
Benefits	142,016	23,108	95,334	114,401	23,741	26,141
	<u>\$ 385,110</u>	<u>\$ 150,715</u>	<u>\$ 332,546</u>	<u>\$ 399,055</u>	<u>\$ 153,613</u>	<u>\$ 149,651</u>
Total Personnel Expenses	\$ 4,813,880	\$ 4,503,319	\$ 3,694,958	\$ 4,433,951	\$ 4,459,338	\$ 5,178,121
Allocations of Personnel Expenses						
<i>1. Allocations to Operations and Maintenance Fund</i>						
To Maintenance Department	\$ (1,155,331)	\$ (970,585)	\$ (812,891)	\$ (975,470)	\$ (1,151,161)	\$ (1,307,161)
To Operations Department	(1,781,136)	(1,661,723)	(1,367,134)	(1,640,562)	(1,777,237)	(2,248,911)
To Administration (other departments except Construction)	(1,492,303)	(1,454,295)	(1,182,387)	(1,418,864)	(1,152,386)	(1,237,139)
	<u>\$ (4,428,770)</u>	<u>\$ (4,086,603)</u>	<u>\$ (3,362,412)</u>	<u>\$ (4,034,896)</u>	<u>\$ (4,080,784)</u>	<u>\$ (4,793,211)</u>
<i>2. Allocation To Capital Fund</i>						
To Construction Department	\$ (385,110)	\$ (416,716)	\$ (332,546)	\$ (399,055)	\$ (378,554)	\$ (384,910)
Personnel Expenses After Allocations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Victor Valley Wastewater Reclamation Authority
High Strength Surcharges
Fiscal Year 2019-2020**

This page shows high strength surcharge rates for FY 2020 and the calculation worksheet.

Worksheet

User Charges from Member Agencies			\$ 15,140,450						
Unit User Charge per MG			\$3,958.00						
Estimated Treatment Flow (MG)			3,900						
	Ⓢ		Ⓢ						
	Influent mg/l	Influent lbs/day	Effluent mg/l	Effluent lbs/day	Removal lbs/day	Removal lbs/year	Percent of Cost	Removal Cost/lb	Unit Cost \$
BOD	376.00	33,506	4.20	374	33,132	12,093,167	35.0%	\$5,299,158	\$0.4382
TSS	409.00	36,447	2.20	196	36,251	13,231,577	25.0%	\$3,785,113	\$0.2861
NH3	31.04	2,766	0.13	12	2,754	1,005,379	30.0%	\$4,542,135	\$4.5178
Annual Flow - MG per Day									
	3,900 MG / 365 days	10.68					10.0%	\$1,514.045	
							100.0%	\$15,140.450	

	BOD	TSS	NH3
	\$/lb	\$/lb	\$/lb
Surcharge Rates:	\$0.4382	\$0.2861	\$4.5178
Applied to Concentrations Above:	200 mg/l	250 mg/l	20 mg/l

FORMULAS

lbs/day = flow (mgd) x concentration
(mg/l) x weight of water (8.34 lbs/gal)

BOD

Influent (flow mgd) x (influent mg/l) x 8.34 lbs/gal = lbs/day
Effluent (flow mgd) x (effluent mg/l) x 8.34 lbs/gal = lbs/day

TSS

Influent (flow mgd) x (influent mg/l) x 8.34 lbs/gal = lbs/day
Effluent (flow mgd) x (effluent mg/l) x 8.34 lbs/gal = lbs/day

NH3

Influent (flow mgd) x (influent mg/l) x 8.34 lbs/gal = lbs/day
Effluent (flow mgd) x (effluent mg/l) x 8.34 lbs/gal = lbs/day

REMOVAL

Per day: Influent lb/day - Effluent lb/day = Removal lbs/day
Per year: Removal lb/day x 365 = Removal lb/year

REMOVAL COST

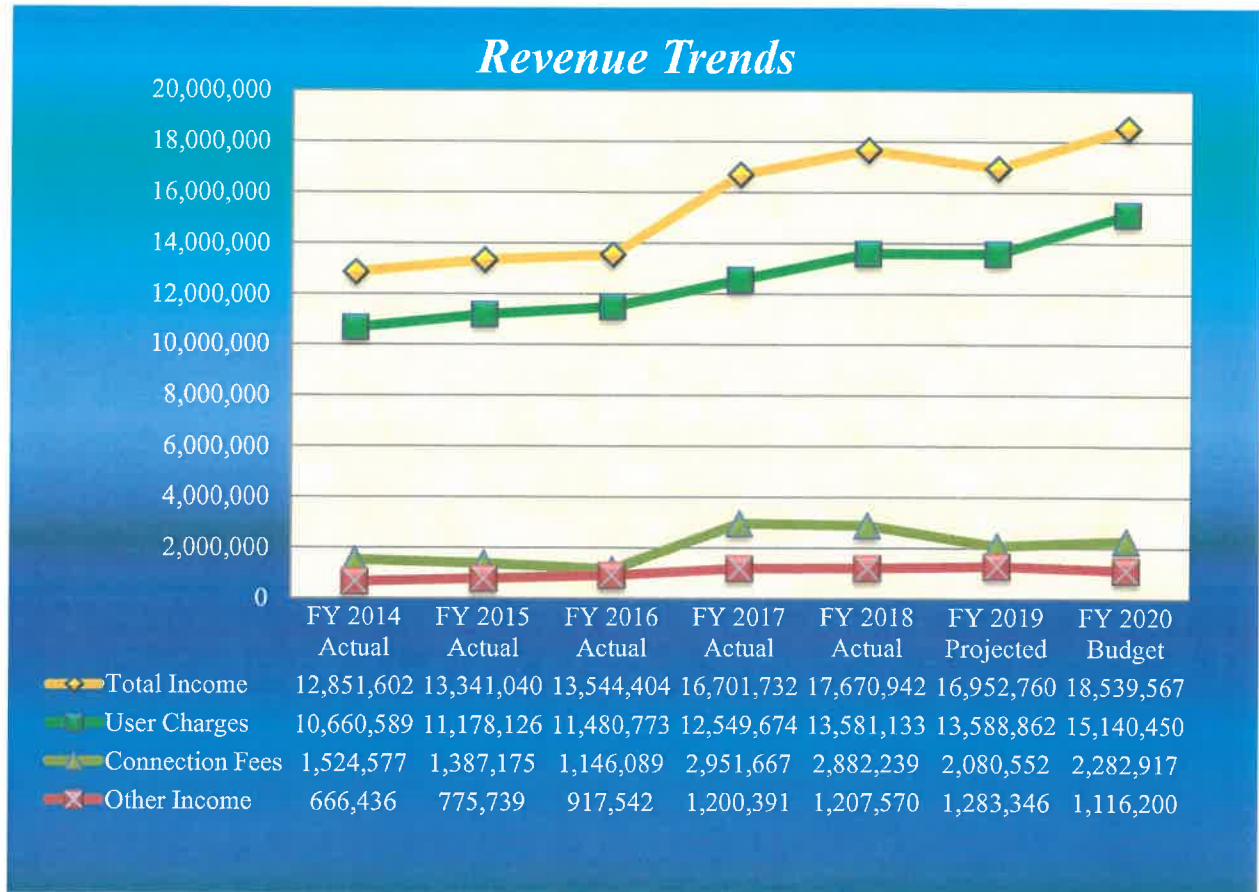
Per lb: Total user cost x 35% = Removal cost/lb
Per unit: Removal cost/lb / Removal lb/year

Ⓢ Fiscal year basis. From VVWRA Wastewater Data Program (OPS10 in FY 2019)

**Victor Valley Wastewater Reclamation Authority
Revenue Trend Analysis
Fiscal Year 2019-2020**

Revenue Analysis

Although Victor Valley Wastewater Reclamation Authority (VWVRA) has been recovering from the decreased operating revenues since FY 2014, the 6.5% user fee rate increase at the beginning of the FY 2018 cannot absorb the lost user fee revenue from the City of Victorville (Victorville). The Victorville’s 1.7 MGD reduction of wastewater flow and 66.67% decrease in Victorville’s connection fees further negatively affect the overall income from fewer new housing developments in the service areas. We have used connection fee revenue \$2.3 million for FY 2020 budget to reflect the increased connection fee rate from \$4,000/EDU to \$4,679/EDU. To further mitigate the impact of the reduced wastewater flow from Victorville, we are increasing the user charge rate from \$3,503/MG to \$3,958/MG in FY 2020.



Source: VWVRA FY = Fiscal Year ended June 30

The other income also includes high strength surcharges for high contents of certain chemical, reclaimed water sales from the processed water, industrial pretreatment permits charged to businesses, and interest income. Grants are excluded in this revenue analysis for the period from FY 2014 to FY 2020.

Due to an overall decrease of the net income in coming years, we have to solve urgently how to handle such a substantial decline of income as the decline of income will also affect net position.

Please refer to the glossary on page 62 for the term definitions.

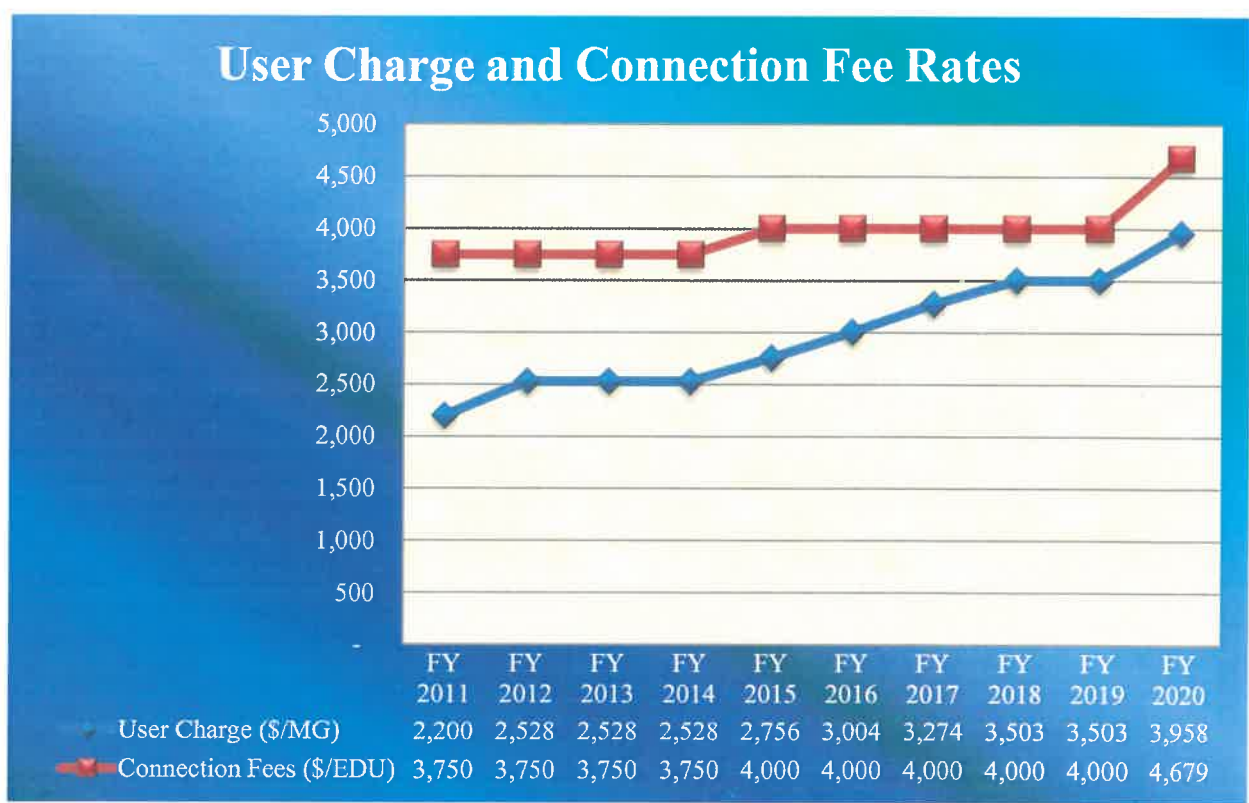
**Victor Valley Wastewater Reclamation Authority
Revenue Trend Analysis
Fiscal Year 2019-2020**

Revenue Analysis (Continued)

Both user charges and connection fees are determined multiplying quantity received by unit prices; multiplying the flow quantity of million gallons (MG) by the user fee rate (\$3,958/MG) for the user fee revenue and by multiplying the Equivalent Dwelling Unit (EDU) by the connection fee rate (\$4,679/EDU). The four member agencies determined these rates as incorporated in the revenue ordinances to absorb the operating and construction costs. The graph below shows rate changes up to FY 2020 based on the five-year financial plan.

The connection fees are calculated based on sewage quantity discharged by a single family home for a period of twenty-four hours. This single family home unit is referred to as one equivalent dwelling unit (EDU).

The Board of Commissioners reserves the right to change the rates of user fee and connection fee from time to time as necessary to fund its operations, maintenance, repairs, replacements, and expansion of the regional system.



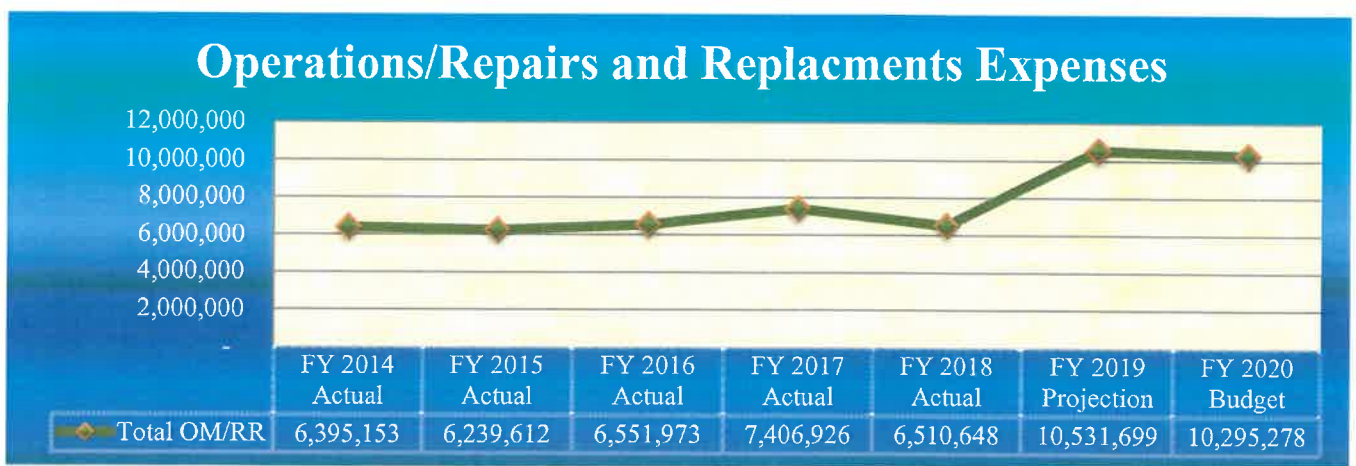
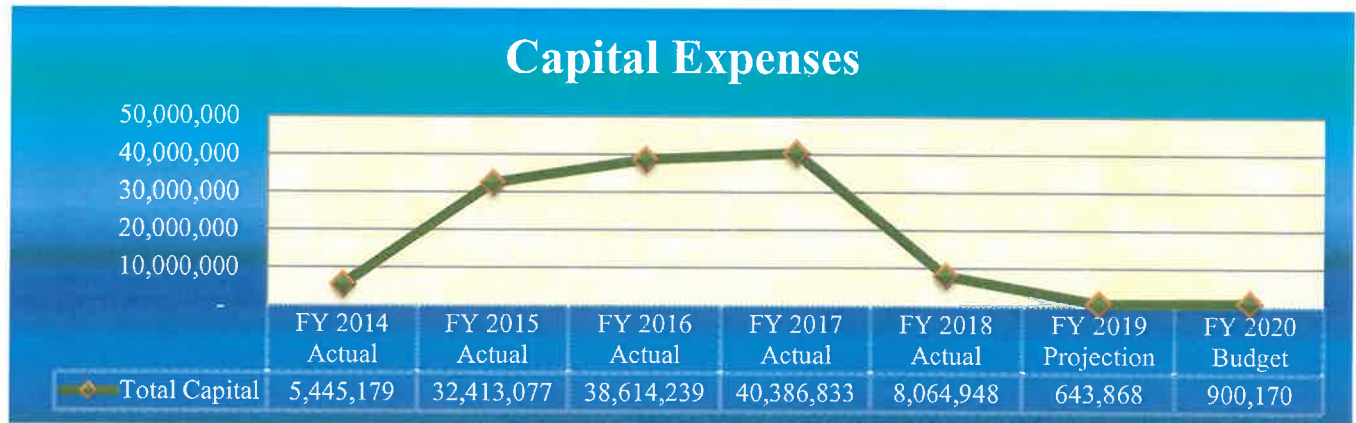
Source: VVWRA FY = Fiscal Year ended June 30

**Victor Valley Wastewater Reclamation Authority
Expense Trend Analysis
Fiscal Year 2019-2020**

Expense Analysis

Construction Expenses: The construction costs below reflect the actual expenses per CAFR (except FY 2019 and FY 2020) adjusted by adding the construction costs accounted for as construction in progress that were funded by the grants and loan proceeds. The capital expenditures have risen from FY 2014, as we have constructed the two sub-regional plants in the City of Hesperia and the Town of Apple Valley during the years of FY 2015 through FY 2018. We have budgeted \$1.9 million for FY 2020 (page 47) to fund the major repair and replacement projects that are related to the current capacity of the plant.

Expenses Incurred by Operations and Repairs/Replacements: The operations and repairs/replacements expenses were at about the same level from FY 2014 to FY 2018. During FY 2018, such costs were kept low forced by a low cash flow level that contradicts to the higher projections for FY 2019 when necessary repairs and replacements can no longer wait without causing alarming level of loss in pipeline and equipment integrity. In addition, these expenses continue to show the high electricity costs for the UV system throughout the period. During FY 2019, VVWRA has continued its micro-grid project to cope with such high electricity costs and unpredictable loss of steady energy level.



Source: VVWRA - The graphs excludes personnel costs. FY = Fiscal Year ended June 30

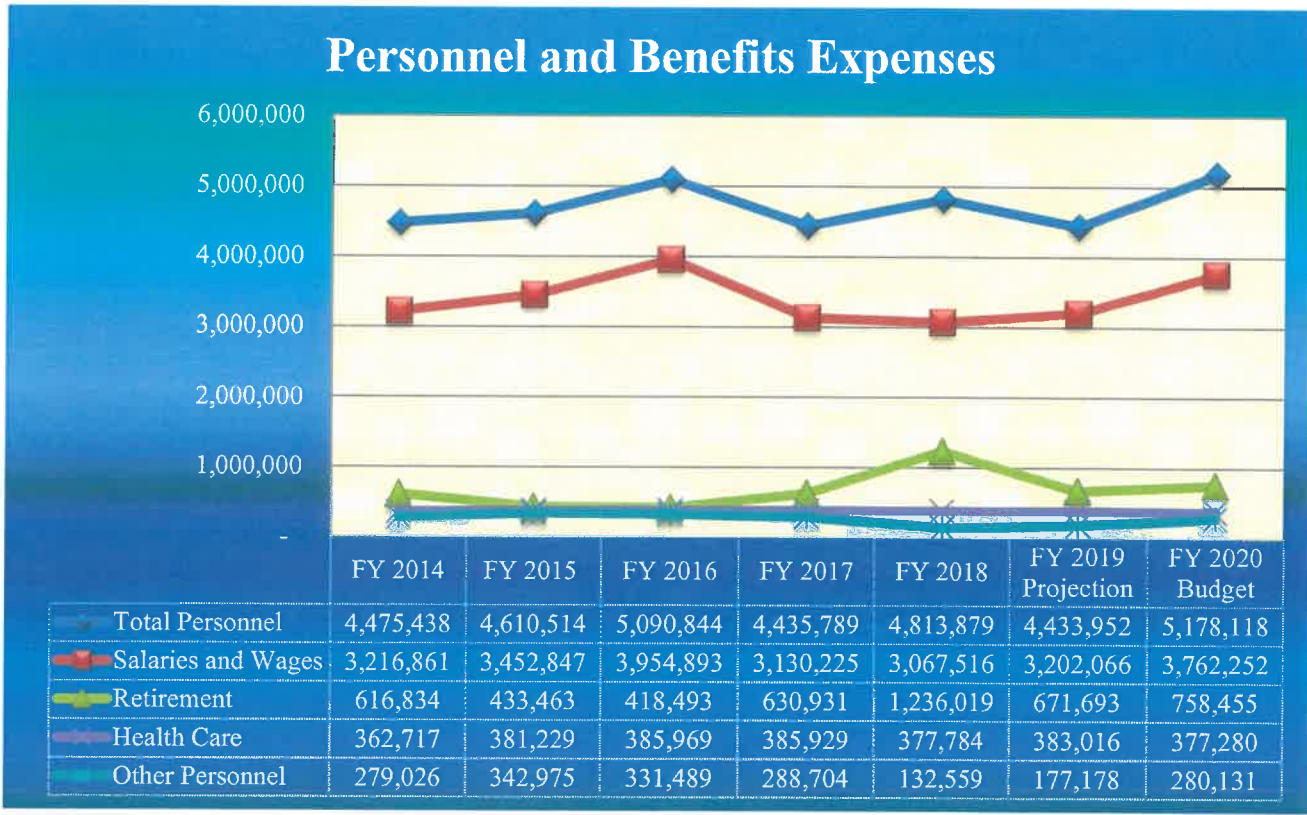
**Victor Valley Wastewater Reclamation Authority
Expense Trend Analysis
Fiscal Year 2019-2020**

Expense Analysis (Continued)

The personnel costs have remained stable with a slight increase over the years and a jump during FY 2016 when more staff was employed in anticipation of operating those two plants in Hesperia and Apple Valley. However, the personnel costs declined in FY 2017 through FY 2019 to reflect 1/3 lay-off during FY 2017 under the scenario where the agency will not operate those two plants without a sufficient operating fund. The FY 2020 personnel budget reflects additional five positions to provide additional support for operations at the main plant in Victorville.

The health care cost has been kept at about the same level throughout the period from FY 2014 to FY 2020.

Other personnel costs include OPEB costs, Medicare, workers comp insurance, life insurance, unemployment insurance, disability insurance, and miscellaneous personnel expense, such as payroll processing fees.



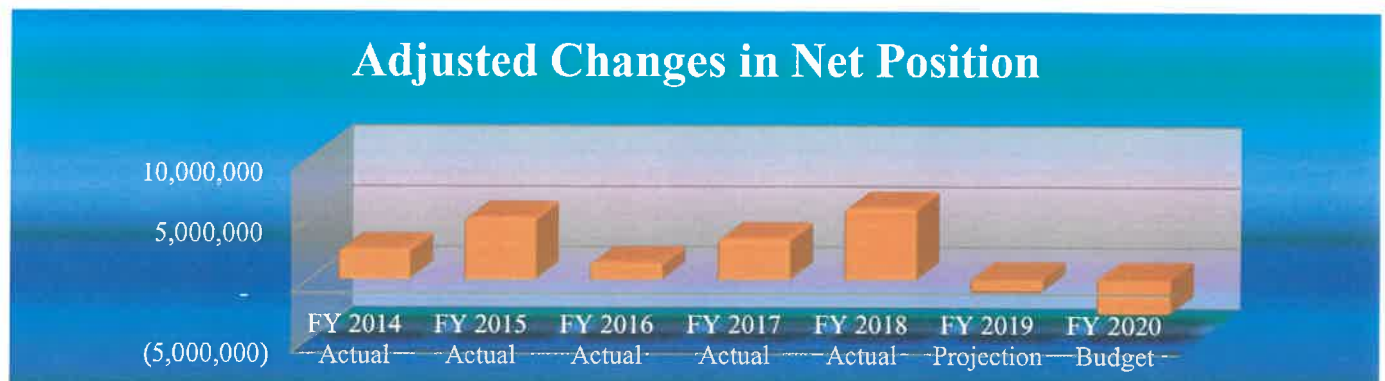
Source: VVWRA. FY = Fiscal Year ended June 30

Victor Valley Wastewater Reclamation Authority
History of Changes in Net Position
Fiscal Year 2019-2020

History of changes in net position

The table below shows *adjusted changes in net position* whose amounts are highlighted in navy blue in the table. The graph below shows the fluctuation of adjusted changes in net position during FY 2014 through FY 2020, or the total revenues over total expenses. The decrease is mostly due to the sharp decline of connection fee revenues from member agencies. Although the connection fee revenues shows an increase of 89% from \$1,524,577 in FY 2014 to \$2,882,239 in FY 2018, \$800,000 out of the \$2.9 million connection fees accrued during FY 2018 was from the City of Hesperia who owed in previous years. On the other hand, the operating expenses have increased by 10%, from \$10,090,899 in FY 2014 to \$11,129,093 in FY 2018. Grant revenues are recorded in CAFR but most of related construction costs are recorded in a construction in progress, excluded from expenses. For fair comparison purpose, the above actual net positions from FY 2014 to 2018 are adjusted by adding back the grant related capitalized expenses and also adding non-cash depreciation and amortized interest expenses. Please see detailed discussions on capital improvement projects anticipated during FY 2020 and beyond at page 47. The FY 2020 net position excludes a one-time receipt of retention revenue from FEMA and Cal OES that were also a part of FY 2018 budget but never paid by those agencies who still have not paid as of June 30, 2019.

FY = Fiscal Year	Beginning Net Position	Changes in Net Position per CAFR *=Per Budget	Ending Net Position	Grants CIP/Interest Amortization and Depreciations Expense	Adjusted Changes in Net Position	Adjusted Ending Net Position
FY 2014 Actual	100,736,913	(2,228,708)	98,508,205	4,699,735	2,471,027	103,207,940
FY 2015 Actual	98,508,205	21,316,749	119,824,954	(16,212,939)	5,103,810	103,612,015
FY 2016 Actual	119,824,954	7,686,678	127,511,632	(6,308,679)	1,377,999	121,202,953
FY 2017 Actual	127,511,632	2,255,301*	129,766,933	1,132,183	3,388,114	130,899,746
FY 2018 Actual	129,766,933	(2,278,527)	127,488,406	8,188,574	5,910,047	135,676,980
FY 2019 Projection	127,488,406	(1,157,074)	126,331,332	-	(1,157,074)	126,331,332
FY 2020 Budget	126,331,332	(2,981,863)	123,349,469	-	(2,981,863)	123,349,469



Source: VVWRA FY = Fiscal Year ended June 30

① CAFR operating expenses without depreciation expense

Section V: Capital Projects and Debts

Victor Valley Wastewater Reclamation Authority
Capital Improvement Programs – Overview and Project Descriptions
Fiscal Year 2019-2020

Overview

The Capital Improvement Program (CIP) on page 46 shows the new capital projects funded in the fiscal year 2020 budget. The presented budget prioritizes the projects in four categories; Wastewater Treatment, Interceptor, Energy Efficiency, and Information Technology. The level of priority of each project determines the individual timing of the project.

Page 47 focuses on the projects, the funds, and the types of project financing. This page summarizes all the capital projects and related cash flows for the FY 2020. Finally, pages 49 and 50 indicate when VVWRA's existing State Revolving Fund loans mature including annual payment amounts.

The capital expenditures are for construction projects that have an extended life of over five years. Generally, the capital expenditures include capital replacement projects that repair, replace or enhance existing facilities, equipment, or infrastructure, thus significantly expanding the life of or adding more capacity to the facilities that VVWRA owns.

In this section, the term CIP is used to describe capital improvement programs that are in fact construction in progress. Logically, capital expenditures for the CIP are separate from operating expenses. The operating expense items are usually under \$5,000 with less than one year of useful life.

The agency has completed its major construction projects, including the sub-regional plants and the related Nanticoke Interceptor project during FY 2018.

**Victor Valley Wastewater Reclamation Authority
Capital Improvement Programs – Overview and Project Descriptions
Fiscal Year 2019-2020**

Project Descriptions

Wastewater Treatment

- 1 Operations Building Extension; Administrative staff is currently housed in temporary trailers that consume significant amounts of energy. This project has been delayed due to cash flow issues. At the Board's direction staff will begin re-evaluating the design in FY 2019
- 2 Digesters 4 & 5 Supernatant Line; Digesters 4 & 5 currently require pumping to withdraw solids that has to be timed with influent pumping and gas production/withdrawal. Replacement with a gravity system will reduce costs and improve operational reliability.
- 3 Golf Cart Recharging Station; Provides a single location to charge golf cart batteries.
- 4 Westside Plant Spill Containment System; Several instances have occurred which allowed partially treated wastewater to inadvertently enter the storm drain system. Not all of it was able to be returned to the headworks thus reportable spills occurred. This project will create a valve and a pipeline to redirect flows from the storm water system to the backwash basin.
- 7 Tertiary Filter Enclosure; The enclosure to reduce the amount of filter flies, dust and debris that accumulate in the tertiary filters.
- 8 Eastside WWTP (Serving Northern Triangle, VV-TOAV); Possible construction depending on how economic development occurs that will generate sewage that will flow to the Mojave River between the upper and lower narrows

Interceptor

- 9 Ossum Wash; The double barrel interceptor that crosses Ossum Wash requires lining to ensure its structural integrity.
- 10 Oro Grande Interceptor; The line will replace the existing Oro Grande interceptor.
- 11 Apple Valley Odor Control; An odor study was performed by V&A engineering in 2009. The Apple Valley Water Reclamation Plant and appurtenances completed construction in 2018. The realignment of pipelines and flow strengths will require revisions to the original odor study.
- 12 Apple Valley Interceptor Realignment, Desert Knolls Wash; San Bernardino County Flood Control intends to reconstruct desert knolls wash which will require VVWRA to realign its manholes in that area. The pipeline was damaged during a rain event in December of 2016. Construction is scheduled to begin in the fall of 2018.
- 13 North Hesperia Relief Interceptor; This project will be re-evaluated once the Hesperia Water Reclamation Plant is fully operational. Due to the reduction in flow in the interceptor it may not be necessary to replace/rebuild this interceptor. VVWRA will evaluate the flow monitoring data to determine if the project is required once the Hesperia WRP is operational.
- 14 North Hesperia Relief Interceptor; This project will be re-evaluated once the Hesperia Water Reclamation Plant is fully operational. Due to the reduction in flow in the interceptor it may not be necessary to replace/rebuild this interceptor. VVWRA will evaluate the flow monitoring data to determine if the project is required once the Hesperia WRP is operational.

**Victor Valley Wastewater Reclamation Authority
Capital Improvement Programs – Overview and Project Descriptions
Fiscal Year 2019-2020**



Apple Valley Sub-regional Water Reclamation Plant



Hesperia Sub-regional Water Reclamation Plant

**Victor Valley Wastewater Reclamation Authority
Capital Improvement Programs - Expenditures by Projects
Fiscal Year 2019-2020**

As explained at page 43, all the projects are to be completed during FY 2020. These projects are funded by one or combination of the following sources: operating cash reserve and capital cash reserve.

Capital Improvement Programs - Expenditures by Projects

Project Title	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget	FY 2020 Budget
Operations Building Extension	-	-	205,000	-	300,000
Golf Cart Recharging Station	-	-	15,000	-	-
Microgrid/Battery Storage Project	-	-	80,000	40,000	-
Digital Information Management System (DIMS) Op	-	-	150,000	60,000	-
Digesters 4 and 5 Supernatant Line	75,000	-	-	-	-
Digester 4&5 Dome Repair and Misc. Mechanical	-	-	-	-	325,000
Digester 4&5 Dome Repair and Misc. Mechanical	-	-	-	-	50,000
Digester 1-5 Engineering Services	-	-	-	170,000	50,000
Digester 1-3 Equipment	-	-	-	161,000	-
Drying Beds Repair and Drainage Improvements	150,000	-	-	-	-
Stormwater Spill Containment System	-	-	265,000	340,000	400,000
Headworks Replacement	-	-	-	-	50,000
Hesperia Sub-regional Water Reclamation Plant	21,684,959	21,365,176	615,500	-	-
TOAV Sub-regional Water Reclamation Plant	21,684,959	21,365,176	3,301,000	-	-
Upgrades to AV WRP	-	-	-	-	100,000
Tertiary Filter Enclosure	50,000	-	-	-	-
Coating Project: UV and DAFTS	-	-	-	425,000	425,000
SCADA Upgrade Project (Ignition)	-	-	-	139,000	-
Total Wastewater Treatment Projects	\$ 43,644,918	\$ 42,730,352	\$ 4,631,500	\$ 1,335,000	\$ 1,700,000
Upper Narrows Interceptor Replacement Project	2,490,738	1,191,000	-	-	-
Interceptor Risk Assessment Report	-	-	-	-	50,000
Nanticoke PS Bypass Sewer	5,000,000	3,990,000	-	-	-
Ossum Wash	650,000	-	-	-	-
Oro Grande Interceptor	-	-	-	190,000	150,000
Desert Knolls Wash	-	-	-	1,340,000	-
Yates Road Sampling Station	84,900	-	-	-	-
Apple Valley Odor Control	100,000	100,000	-	-	-
Apple Valley Interceptor Realignment	100,000	100,000	240,000	-	-
Solids Dewatering and Side Stream Study	-	-	-	-	50,000
Shay Road Diversion Structure	75,000	-	-	-	-
Total Interceptor Projects	\$ 8,500,638	\$ 5,381,000	\$ 240,000	\$ 1,530,000	\$ 250,000
Aeration Energy Efficiency Project	900,000	-	-	-	-
Biogas Solids Project	500,000	-	-	-	-
Total Energy Efficiency Projects	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -
Document Management System	100,000	-	-	-	-
Network Re-design and updates	-	-	-	-	100,000
Network Re-design and updates	-	-	-	-	35,000
Nitrogen and Capacity Study	-	-	-	100,000	-
Finance Plan and Rate Study	-	-	-	50,000	-
Organizational Performance Assessment	-	-	-	47,000	-
Programmable Logic Control (PLC)	-	-	-	55,000	55,000
Programmable Logic Control (PLC)	-	-	-	-	400,000
Fleet Replacement	-	-	-	-	300,000
Accounting Software	-	-	-	100,000	-
Total Information Technology Projects	\$ 100,000	\$ -	\$ -	\$ 352,000	\$ 890,000
TOTAL	\$ 53,645,556	\$ 48,111,352	\$ 4,871,500	\$ 3,217,000	\$ 2,840,000

**Victor Valley Wastewater Reclamation Authority
Capital Improvement Programs - Summary
Fiscal Year 2019 - 2020**

Priority	Project Number	Project Title	Project Financing		Estimated Expense Total	Year 1 FY 19-20	Year 2 FY 20-21	Year 3 FY 21-22	Year 4 FY 22-23	Year 5 FY 23-24	Year 6 FY 24-25	Year 7 FY 25-26
			OM/RR Fund	Capital Fund								
1	9	Digester 4&5 Dome Repair and Misc. Mechanical	100%		700,000	325,000	375,000					
1	9	Digester 4&5 Dome Repair and Misc. Mechanical	100%		50,000	50,000						
1	10	SCADA Upgrade Project (Ignition)	100%		139,000	139,000						
1	11	Coating Project UV and DAFTS	100%		425,000	425,000						
2	3	Digital Information Management System (DIMS)	100%		60,000	60,000						
2	12	Headworks Replacement	100%		3,400,000	50,000	150,000	200,000	3,000,000			
2	15	Oro Grande Interceptor First Priority - possible USDA grant	100%		2,600,000	150,000	100,000	2,350,000				
3	14	Ossun Wash	100%		650,000	650,000						
3	20	R4B South Lower Narrows	100%		436,630					50,000		386,630
1	23	Interceptor Risk Assessment Report	100%		50,000	50,000						
1	26	Programmable Logic Control (PLC) Replacement	100%		400,000	400,000						
1	26	Programmable Logic Control (PLC) Replacement	100%		55,000	55,000						
1	28	Fleet Replacement	100%		300,000	300,000						
1	29	Network Re-design and updates	100%		150,000	100,000	50,000					
1	29	Network Re-design and updates	100%		35,000	35,000						
1	30	Main Switch Board Upgrade/Replacement	100%		350,000		350,000					
1	31	Motor Control Center (MCC) - Aqua Diamonds	100%		165,000	165,000						
3	32	UV Generator Tie-in to South Perc. Pond PS	100%		375,000	375,000						
					10,340,630	1,940,000	1,689,000	3,275,000	3,000,000		50,000	386,630
1	2	Micro-grid/Battery Storage Project	100%									
1	6	Storm Water Spill Containment System	100%		400,000	400,000						
1	7	Digester 1-5 Engineering Services	100%		70,000	50,000	20,000					
2	1	Golf Cart Recharging Station	100%		15,000	15,000						
2	4	Operations Building Extension	100%		500,000	300,000	200,000					
2	5	Digesters 4 and 5 Supernatant Line	100%		75,000	75,000						
2	13	Upgrades to AV WRP	100%		100,000	100,000						
2	17	R4A North Narrows MH 3-1 to MH 3-3	65%		1,877,000	50,000	100,000	50,000	1,677,000			
3	18	R7 Old Town VV MH 4-24 to MH 4-25A	61%		1,500,000		100,000	100,000	100,000	1,300,000		
3	19	R5 Cemex MH 4-7 to 4-14	58%		6,840,000		50,000	100,000	100,000	3,295,000		3,295,000
3	20	R4B South Lower Narrows	47%		492,370					50,000		442,370
1	24	Solids Dewatering and Site Stream Study	100%		50,000	50,000						
TOTAL OF OM/RR/CAPITAL					11,919,370	900,000	360,000	150,000	1,877,000	1,877,000	4,645,000	3,737,370
					22,260,000	2,840,000	2,049,000	3,425,000	3,250,000	1,877,000	4,695,000	4,124,000
Wastewater Treatment Projects												
Interceptor Projects												
Administrative Projects												

**Victor Valley Wastewater Reclamation Authority
Capital Improvement Programs - Summary
Fiscal Year 2019-2020**



Apple Valley – During the Construction



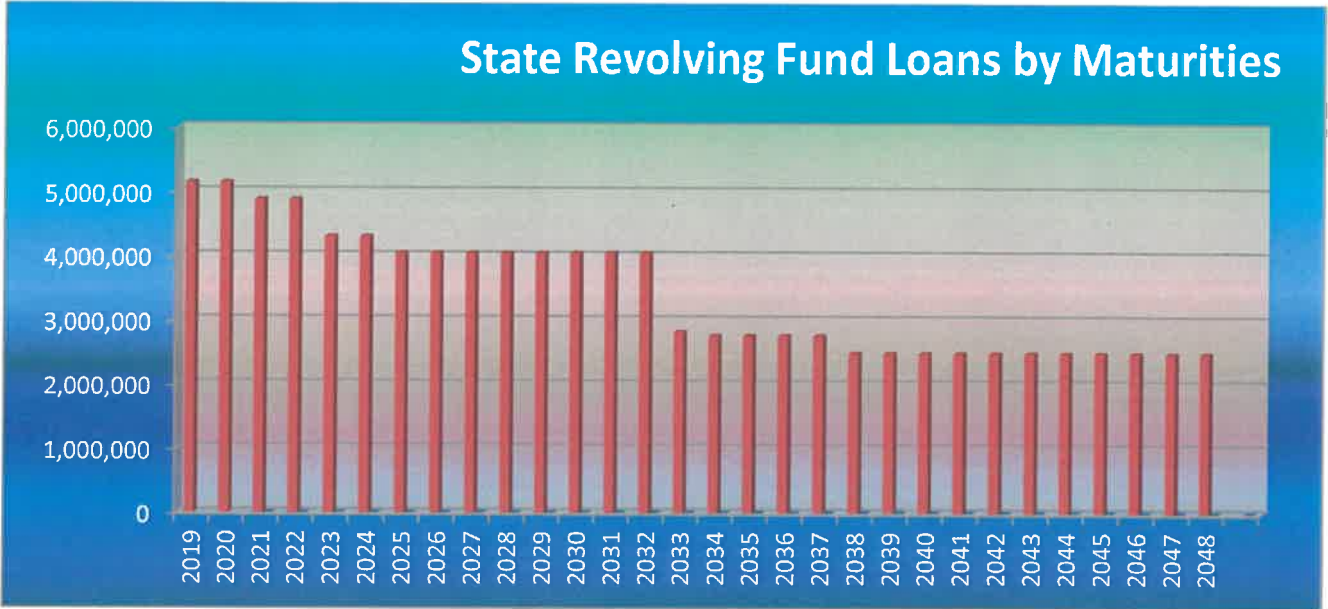
Desert Knolls Wash exposed due to the storm

Victor Valley Wastewater Reclamation Authority
Existing State Revolving Fund Loan Payments by Maturities
Fiscal Year 2019-2020

The table below represents our debt service payments for the Clean Water State Revolving Fund (SRF) loans. In addition to \$4.0 million Water Recycling grant and \$9.2 million Proposition One grant, we have obtained a \$27.1 million SRF loan for Apple Valley Sub-regional plant and \$40.7 million SRF loan for Hesperia Sub-regional plant during FY 2015. In addition, we have added a \$4.3 million SRF loan for the Upper Narrows Pipeline Replacement Project and a \$4.5 million SRF loan for the Nanticoke Pump Station Bypass Sewer Project during FY 2016. Our debts consist of the SRF loans only, as listed below. As a special district, we are not required to maintain a legal debt limit but are required to adhere to the debt coverage clauses specified at page 16. Please also refer to page 51 for the impact of the debt repayments to the Operations & Maintenance and Capital Funds. Next page shows the annual repayments in a graph.

VVWRA Annual Debt Service									
Fiscal Year	9.5 MGD Capital Improvements	11 MGD Expansion	North Apple Valley Interceptor	Phase IIIA Regulatory Upgrades	Upper Narrows Replacement	Nanticoke Bypass	Apple Valley Sub-Regional	Hesperia Sub-Regional	Total
2019	265,049	579,870	258,151	1,027,610	257,745	271,633	1,024,951	1,462,850	5,147,859
2020	265,049	579,870	258,151	1,027,610	257,745	271,633	1,024,951	1,462,850	5,147,859
2021	-	579,870	258,151	1,027,610	257,745	271,633	1,024,951	1,462,850	4,882,810
2022	-	579,870	258,151	1,027,610	257,745	271,633	1,024,951	1,462,850	4,882,810
2023	-	-	258,151	1,027,610	257,745	271,633	1,024,951	1,462,850	4,302,940
2024	-	-	258,151	1,027,610	257,745	271,633	1,024,951	1,462,850	4,302,940
2025	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2026	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2027	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2028	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2029	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2030	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2031	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2032	-	-	-	1,027,610	257,745	271,633	1,024,951	1,462,850	4,044,789
2033	-	-	-	-	60,393	271,633	1,024,951	1,462,850	2,819,827
2034	-	-	-	-	-	271,633	1,024,951	1,462,850	2,759,434
2035	-	-	-	-	-	271,633	1,024,951	1,462,850	2,759,434
2036	-	-	-	-	-	271,633	1,024,951	1,462,850	2,759,434
2037	-	-	-	-	-	271,633	1,024,951	1,462,850	2,759,434
2038	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2039	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2040	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2041	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2042	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2043	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2044	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2045	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2046	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2047	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
2048	-	-	-	-	-	-	1,024,951	1,462,850	2,487,801
Total	530,098	2,319,480	1,548,906	14,386,540	3,668,823	5,161,027	30,748,530	43,885,500	102,248,904

**Victor Valley Wastewater Reclamation Authority
Existing State Revolving Fund Loan Payments by Maturities
Fiscal Year 2019-2020**



This graph presents the annual SRF loan repayments. At peak years, the repayment amount exceeds \$5 million. During FY 2020 the impact on Operations and Maintenance (O&M) Fund is \$2,761,135, while the effect on Capital Fund is \$2,386,726. For FY 2021, the impact on O&M Fund is \$2,749,738 and effect on Capital Fund is \$2,133,072. Please refer to page 51 for the detail information.

**Victor Valley Wastewater Reclamation Authority
State Revolving Fund Loans for FY 2020 and FY 2021**

Summary: VVWRA has utilized State Revolving Fund (SRF) loans through California State Water Resources Control Board to fund most capital projects. The construction of the projects below was completed during the year ended June 30, 2018. This page shows the next two years of principal and interest repayments per Operations & Maintenance and Capital Funds.

2020	9.5 MGD Capital Improvements	11 MGD Expansion	North Apple Valley Interceptor	Phase IIIA Regulatory Upgrades	Upper Narrows Replacement Project	Nanticoke Bypass Project	Apple Valley Sub-Regional Project	Hesperia Sub-Regional Project	2020 Total
SRF Loan Amount	\$ 4,069,859	\$ 11,430,726	\$ 4,084,688	\$ 15,717,668	\$ 4,286,380	\$ 4,459,190	\$ 26,455,229	\$ 37,758,385	\$ 108,262,125
Annual Payment	\$ 265,050	\$ 579,870	\$ 258,151	\$ 1,027,610	\$ 257,745	\$ 271,633	\$ 1,024,951	\$ 1,462,850	\$ 5,147,860
Payment Date	September 15	April 3	February 13	June 30	December 31	June 30	February 28	February 28	
1. Operations	4.30%	0.00%	0.00%	75.00%	100.00%	75.00%	61.00%	61.00%	
Original Loan	\$ 175,004	\$ -	\$ -	\$ 11,788,251	\$ 4,286,380	\$ 3,344,393	\$ 16,137,690	\$ 23,032,615	
Principal	\$ 11,108	\$ -	\$ -	\$ 545,097	\$ 200,921	\$ 145,181	\$ 468,504	\$ 668,668	\$ 2,039,479
Interest	\$ 289	\$ -	\$ -	\$ 225,611	\$ 56,824	\$ 58,544	\$ 156,716	\$ 223,672	\$ 721,656
Annual Payment	\$ 11,397	\$ -	\$ -	\$ 770,708	\$ 257,745	\$ 203,725	\$ 625,220	\$ 892,340	\$ 2,761,135
2. Capital	95.70%	100.00%	100.00%	25.00%	0.00%	25.00%	39.00%	39.00%	
Original Loan	\$ 3,894,855	\$ 11,430,726	\$ 4,084,688	\$ 3,929,417	\$ -	\$ 1,114,798	\$ 10,317,539	\$ 14,725,770	
Principal	\$ 247,225	\$ 548,803	\$ 228,168	\$ 181,699	\$ -	\$ 48,394	\$ 299,535	\$ 427,507	\$ 1,981,331
Interest	\$ 6,427	\$ 31,067	\$ 29,983	\$ 75,204	\$ -	\$ 19,515	\$ 100,196	\$ 143,003	\$ 405,395
Annual Payment	\$ 253,652	\$ 579,870	\$ 258,151	\$ 256,903	\$ -	\$ 67,909	\$ 399,731	\$ 570,510	\$ 2,386,726
Total Principal	\$ 258,333	\$ 548,803	\$ 228,168	\$ 726,796	\$ 200,921	\$ 193,574	\$ 768,039	\$ 1,096,175	\$ 4,020,809
Total Interest	\$ 6,716	\$ 31,067	\$ 29,983	\$ 300,814	\$ 56,824	\$ 78,059	\$ 256,912	\$ 366,675	\$ 1,127,051
Annual Payment	\$ 265,049	\$ 579,870	\$ 258,151	\$ 1,027,610	\$ 257,745	\$ 271,633	\$ 1,024,951	\$ 1,462,850	\$ 5,147,860

2021	11 MGD Expansion	North Apple Valley Interceptor	Phase IIIA Regulatory Upgrades	Upper Narrows Replacement Project	Nanticoke Bypass Project	Apple Valley Sub-Regional Project	Hesperia Sub-Regional Project	2021 Total
SRF Loan Amount	\$ 11,430,726	\$ 4,084,688	\$ 15,717,668	\$ 4,286,380	\$ 4,459,190	\$ 26,455,229	\$ 37,758,385	\$ 104,192,266
Annual Payment	\$ 579,870	\$ 258,151	\$ 1,027,610	\$ 257,745	\$ 271,633	\$ 1,024,951	\$ 1,462,850	\$ 4,882,810
Payment Date	April 3	February 13	June 30	December 31	June 30	February 28	February 28	
1. Operations	0.00%	0.00%	75.00%	100.00%	75.00%	61.00%	61.00%	
Original Loan	\$ -	\$ -	\$ 11,788,251	\$ 4,286,380	\$ 3,344,393	\$ 16,137,690	\$ 23,032,615	
Principal	\$ -	\$ -	\$ 559,814	\$ 204,738	\$ 147,939	\$ 473,189	\$ 675,355	\$ 2,061,035
Interest	\$ -	\$ -	\$ 210,893	\$ 53,007	\$ 55,786	\$ 152,032	\$ 216,985	\$ 688,703
Annual Payment	\$ -	\$ -	\$ 770,707	\$ 257,745	\$ 203,725	\$ 625,221	\$ 892,340	\$ 2,749,738
2. Capital	100.00%	100.00%	25.00%	0.00%	25.00%	39.00%	39.00%	
Original Loan	\$ 11,430,726	\$ 4,084,688	\$ 3,929,417	\$ -	\$ 1,114,798	\$ 10,317,539	\$ 14,725,770	
Principal	\$ 558,956	\$ 233,872	\$ 186,605	\$ -	\$ 49,313	\$ 302,530	\$ 431,782	\$ 1,763,058
Interest	\$ 20,914	\$ 24,279	\$ 70,298	\$ -	\$ 18,595	\$ 97,200	\$ 138,728	\$ 370,014
Annual Payment	\$ 579,870	\$ 258,151	\$ 256,903	\$ -	\$ 67,908	\$ 399,730	\$ 570,510	\$ 2,133,072
Total Principal	\$ 558,956	\$ 233,872	\$ 746,419	\$ 204,738	\$ 197,252	\$ 775,719	\$ 1,107,137	\$ 3,824,093
Total Interest	\$ 20,914	\$ 24,279	\$ 281,191	\$ 53,007	\$ 74,381	\$ 249,232	\$ 355,713	\$ 1,058,717
Annual Payment	\$ 579,870	\$ 258,151	\$ 1,027,610	\$ 257,745	\$ 271,633	\$ 1,024,951	\$ 1,462,850	\$ 4,882,810

Section VI: History and Demographics

**Victor Valley Wastewater Reclamation Authority
History and Demographics
Fiscal Year 2019-2020**

History

Victor Valley Wastewater Reclamation Authority (VWVRA) was originally formed by the Mojave Water Agency to help meet the requirements of the Federal Clean Water Act and provide wastewater treatment for the growing area. Our original treatment plant, with supporting pipelines and infrastructure, began operating in 1981, providing tertiary level treatment for up to 4.5 million gallons per day. VWVRA is now a joint power public agency of the State of California handling 12.05 million gallons a day.

Over the years, VWVRA has completed treatment plant upgrades and several capacity increases. This regional treatment plant is currently capable of treating a portion of the flow to a tertiary level and the remaining flow to a secondary level for percolation. A majority of the highly treated wastewater is discharged into the Mojave River Basin, while a smaller quantity is sold to Victorville power plant and American Organics.

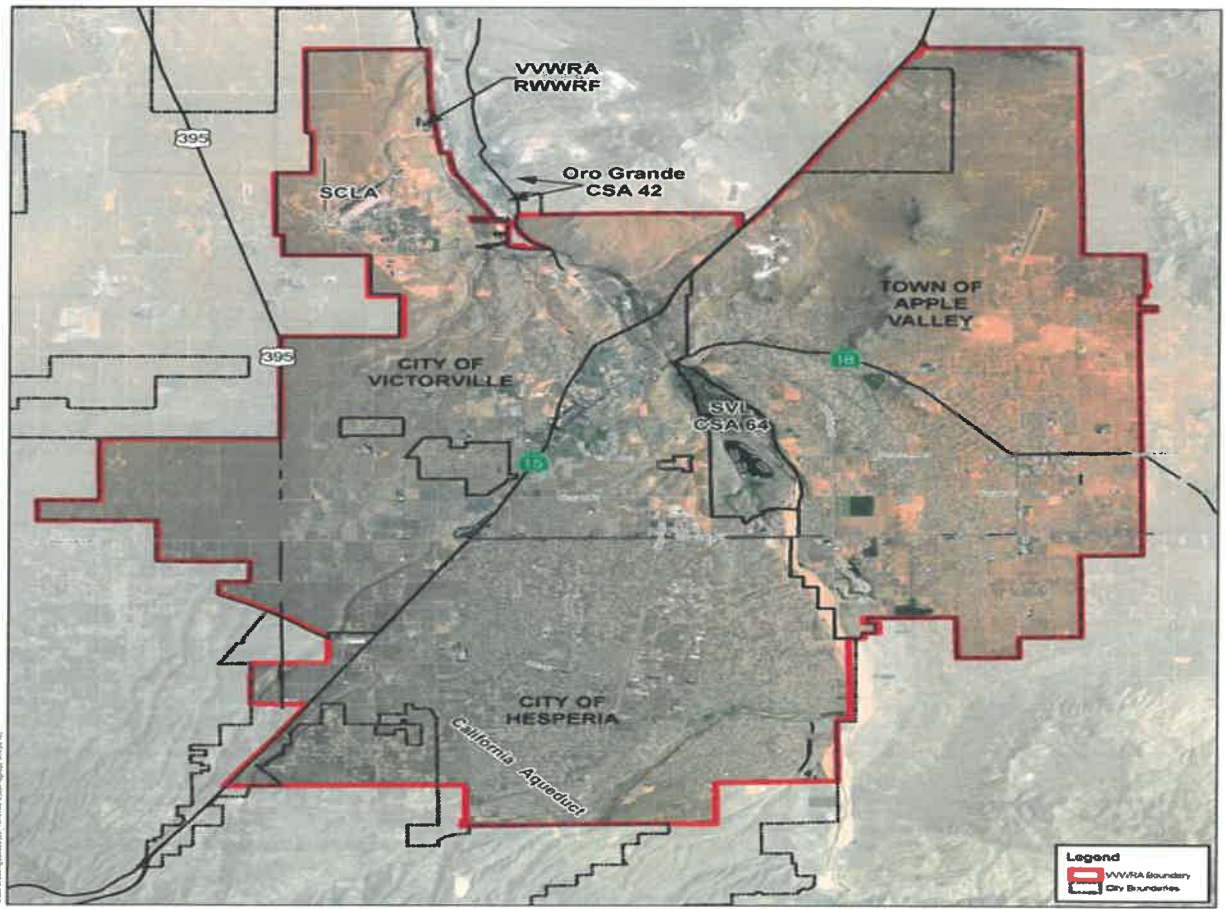


FIGURE 1
VVWRA Service Area
Development Activity
August 25, 2008



Provided by RBF Consulting, Inc.

**Victor Valley Wastewater Reclamation Authority
History and Demographics
Fiscal Year 2019-2020**

Governance

VVWRA is a quasi-governmental agency called a Special District of the State of California. It is not regulated by California Public Utilities Commission but governed by a Board of four Commissioners who are publicly elected for a four-year term from each member agency. Our affairs are bound by a joint powers agreement between VVWRA and member local government agencies consisting of City of Victorville, City of Hesperia, Town of Apple Valley and the County of San Bernardino Service Areas No. 42 (Oro Grande) and No. 64 (Spring Valley Lake) for the purpose of construction; operation; and maintenance of sewer collection, transmission, and treatment facilities within the region. The General Manager is responsible for carrying out the policies and ordinances approved by the Board (and by the community residents) and for overseeing the day-to-day operations of VVWRA.

San Bernardino County

San Bernardino County is the largest county in the United States. According to the 2010 U.S. Census, the San Bernardino County has a population of 2,035,210. With an area of 20,160 square miles, the San Bernardino County is larger than the combined area of the four smallest states in the nation. Over 90% of this county is desert, while the remaining 10% is mountains and valleys that rest in the Inland Empire.

Demographics

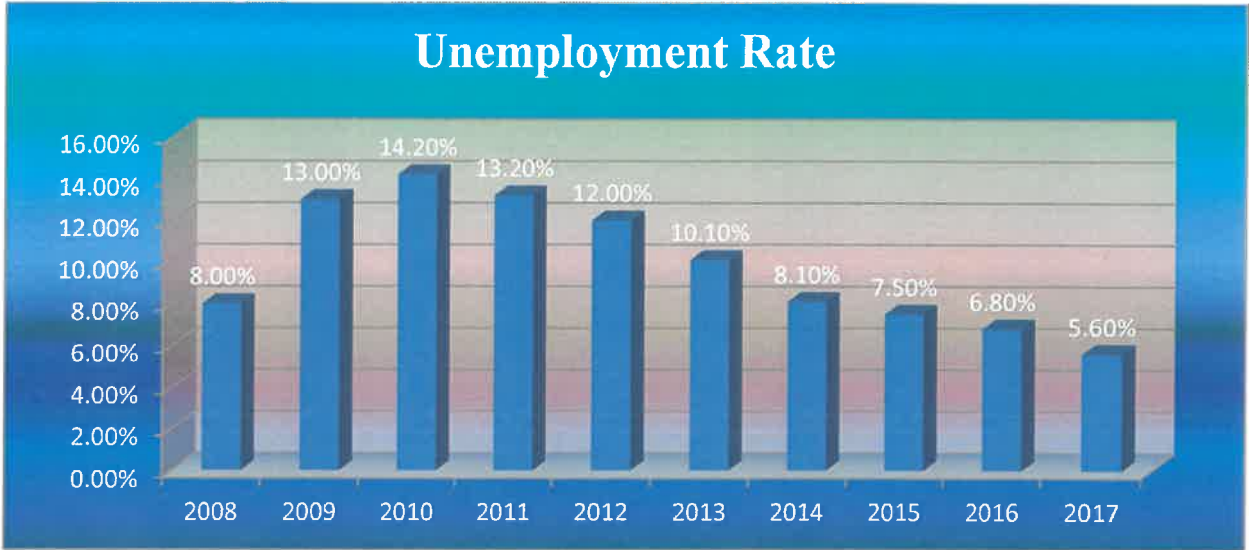
The service area has a population of 292,534 in 2017 with a slow and steady population growth from 2008 to 2017.

Unemployment in the San Bernardino County has risen from 8% in 2008 to 10.1% in 2013 due to the economic downturn that started in late 2008. The increased unemployment has also impacted the personal income per capita, which decreased from \$30,363 in 2008 to \$21,792 in 2009, then increased to \$37,091 in 2017.

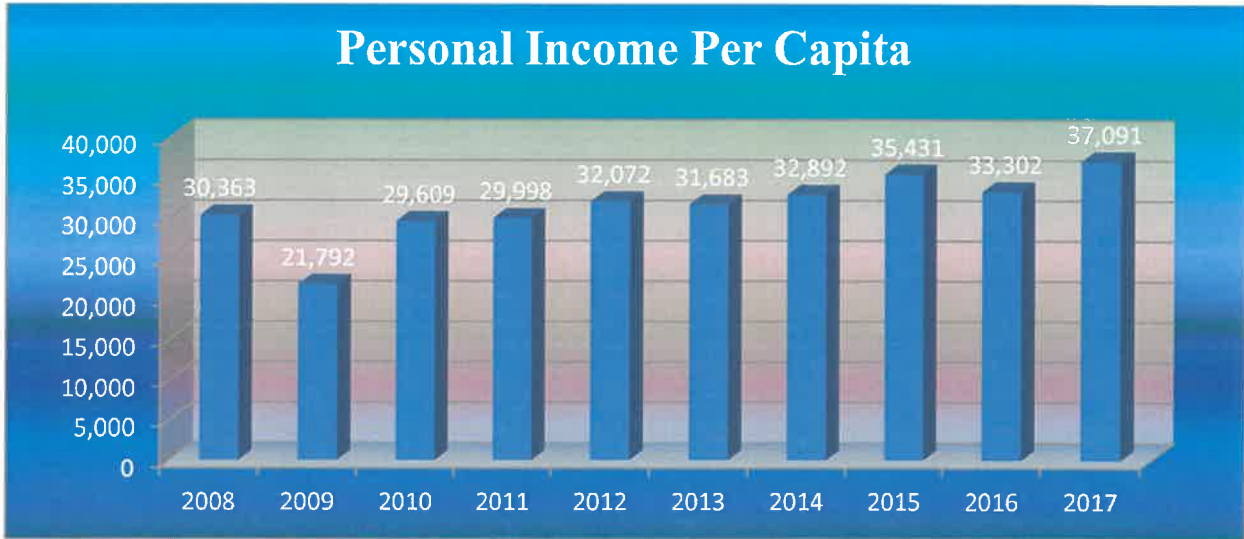


Source: California Department of Finance and U.S. Census Bureau. Years are calendar years.

**Victor Valley Wastewater Reclamation Authority
History and Demographics
Fiscal Year 2019-2020**



Source: State of California Employment Development Department (Data shown is for the County of San Bernardino.) Years are calendar years.



Source: State of California Employment Development Department (Data shown is for the County of San Bernardino.) Years are calendar years.

**Victor Valley Wastewater Reclamation Authority
Performance Benchmarked against Industry
Fiscal Year 2019-2020**

Sewer Overflow

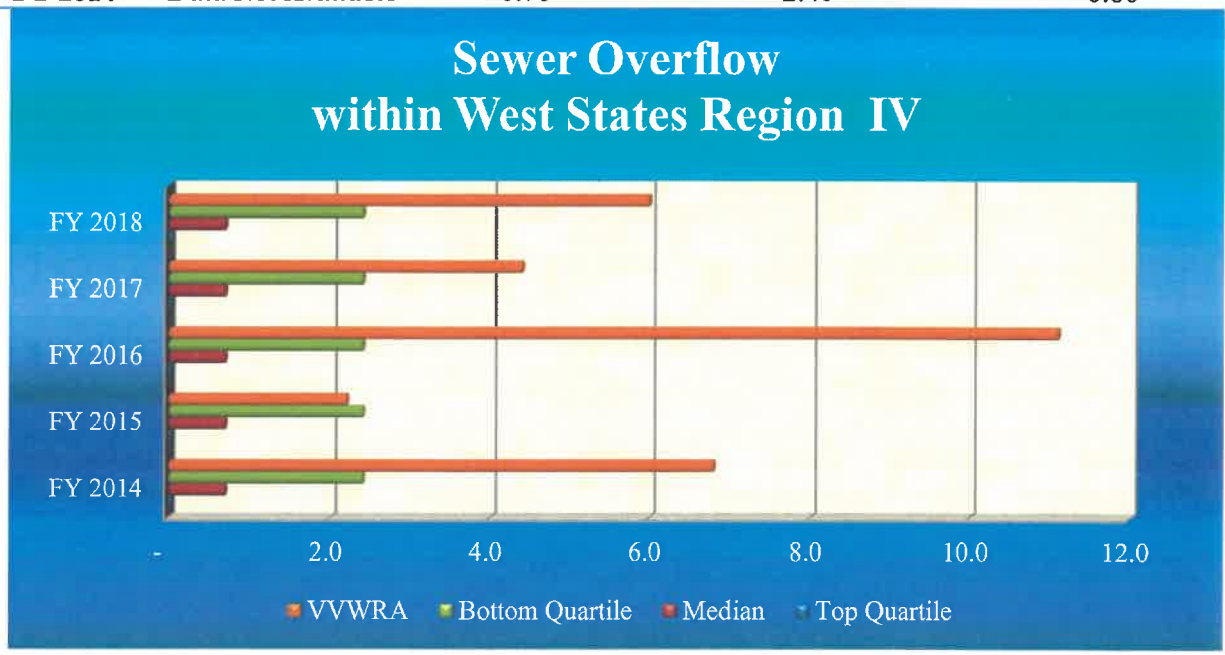
The sewer overflow rate is an indicator that tracks the condition and the effectiveness of the maintenance of the wastewater collection system.

San Bernardino County, including Upper and Lower Narrows of the Mojave River, experienced a severe rain storm during December 2010. President Obama declared this storm as a National Disaster on January 26, 2011. The flood and debris damaged pipelines that lead to an unexpectedly high sewer overflow rate of 12.2 for FY 2011. VVWRA installed an emergency temporary pipeline to divert the flow from the damaged pipeline. This rain storm caused unusual overflows including one at the "I" Avenue pipeline in the City of Hesperia. To remedy overflow in this area, VVWRA constructed the Santa Fe relief pipeline during FY 2012.

VVWRA had two reported spill at the Town of Apple Valley and another reported spill at a pump station during FY 2018 which resulted in a sewer overflow rate of 6.00. VVWRA has completed the construction of a permanent interceptor during FY 2017 to replace the temporary bypass line.

Sewer Overflow-West States Region IV Benchmark

	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	<i>Data Not Available</i>	0.70	2.40	6.00
FY 2017	<i>Data Not Available</i>	0.70	2.40	4.40
FY 2016	<i>Data Not Available</i>	0.70	2.40	11.10
FY 2015	<i>Data Not Available</i>	0.70	2.40	2.20
FY 2014	<i>Data Not Available</i>	0.70	2.40	6.80

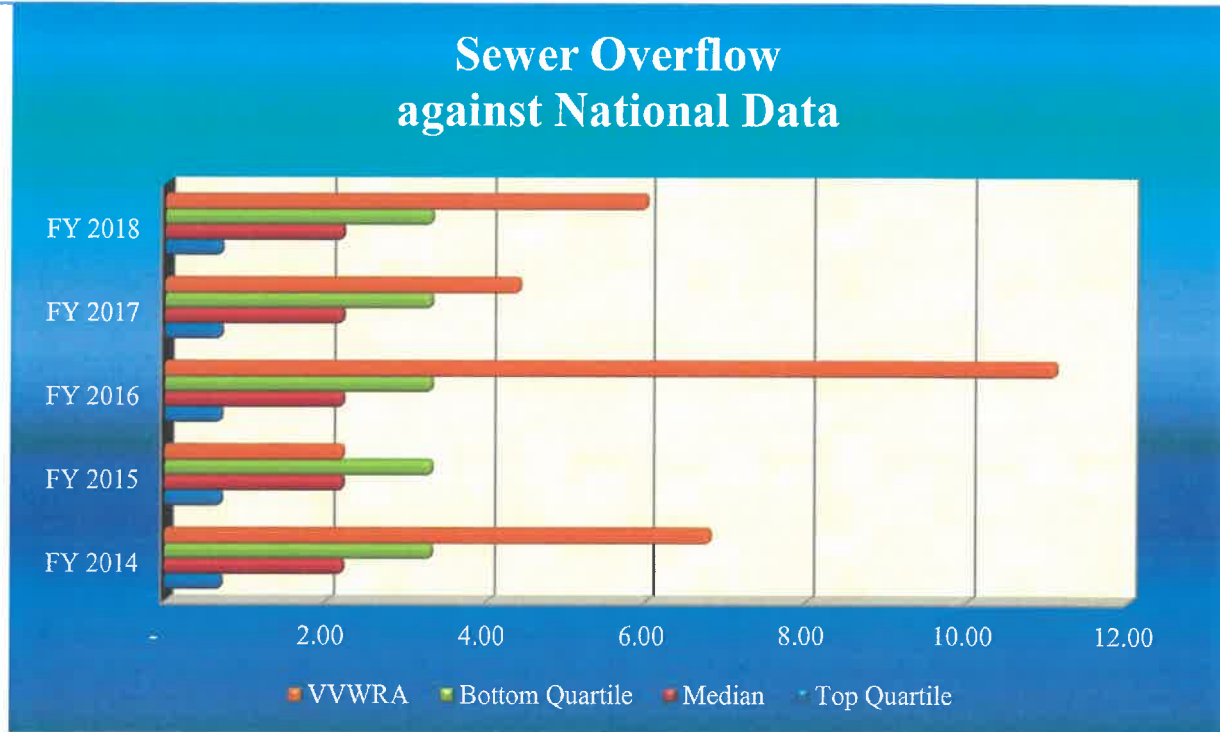


Source: 2012 American Water Works Association Benchmarking analysis FY = Fiscal Year ended June 30

**Victor Valley Wastewater Reclamation Authority
Performance Benchmarked against Industry
Fiscal Year 2019-2020**

Sewer Overflow-National Benchmark

	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	0.70	2.20	3.30	6.00
FY 2017	0.70	2.20	3.30	4.40
FY 2016	0.70	2.20	3.30	11.10
FY 2015	0.70	2.20	3.30	2.20
FY 2014	0.70	2.20	3.30	6.80



Source: 2012 American Water Works Association Benchmarking analysis

FY = Fiscal Year ended June 30

**Victor Valley Wastewater Reclamation Authority
Performance Benchmarked against Industry
Fiscal Year 2019-2020**

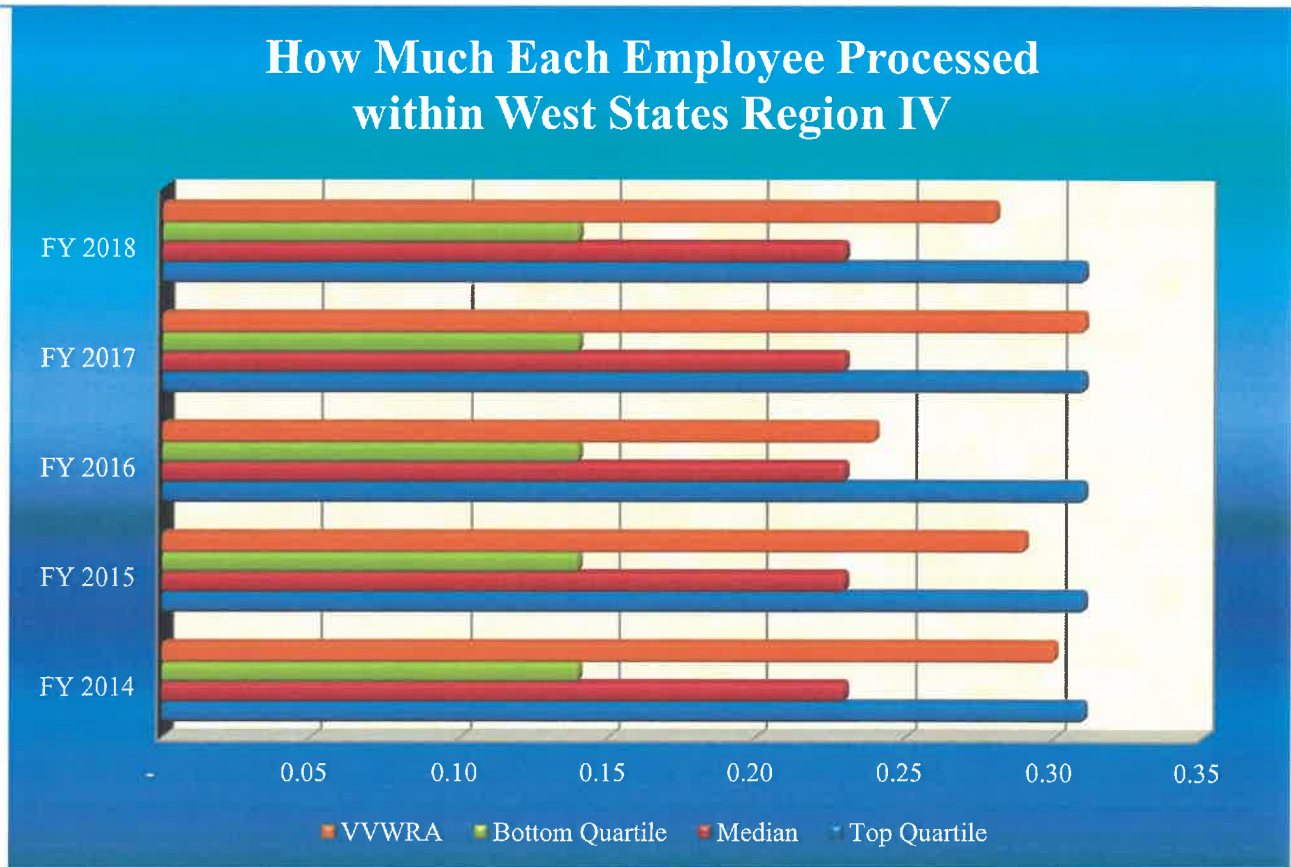
How Much Each Employee Processed

The quantity of wastewater processed by each employee has decreased from 0.30 million gallons per day (MGD) in FY 2014 to 0.24 MGD in FY 2016 and increased back to 0.28 MGD in FY 2018. The total amount of wastewater that VVWRA has processed has decreased by 12%, from 4,423 MG in FY 2014 to 3,888 MG in FY 2018. The total number of employees that VVWRA employed has also decreased as well by 7%, from 41 to 38 during the comparative period per CAFR's.

Compared to West States Region IV, VVWRA has almost continuously remained at the top quartile during FY 2013. Compared nationally, the quantity of wastewater processed by each employee has surpassed the median since FY 2013.

How Much Each Employee Processed-West States Region IV Benchmark

	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	0.31	0.23	0.14	0.28
FY 2017	0.31	0.23	0.14	0.31
FY 2016	0.31	0.23	0.14	0.24
FY 2015	0.31	0.23	0.14	0.29
FY 2014	0.31	0.23	0.14	0.30



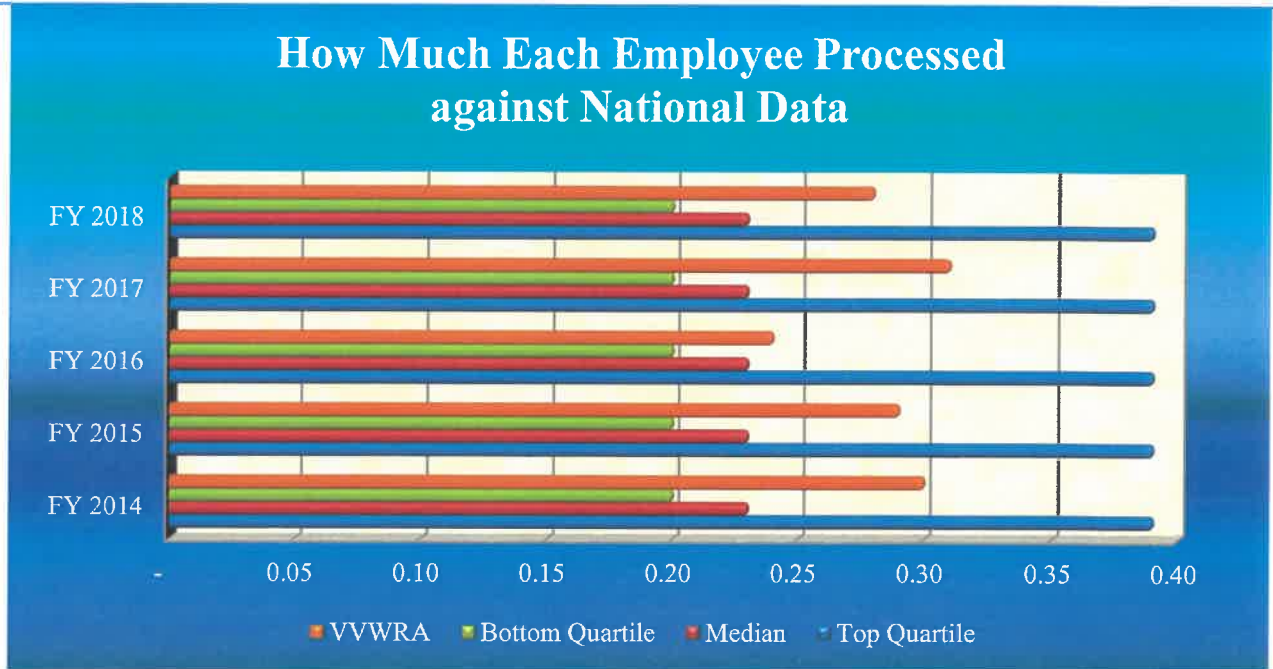
Source: 2012 American Water Works Association Benchmarking analysis

FY = Fiscal Year ended June 30

**Victor Valley Wastewater Reclamation Authority
Performance Benchmarked against Industry
Fiscal Year 2019-2020**

How Much Each Employee Processed-National Benchmark

	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	0.39	0.23	0.20	0.28
FY 2017	0.39	0.23	0.20	0.31
FY 2016	0.39	0.23	0.20	0.24
FY 2015	0.39	0.23	0.20	0.29
FY 2014	0.39	0.23	0.20	0.30



Source: 2012 American Water Works Association Benchmarking analysis

FY = Fiscal Year ended June 30

**Victor Valley Wastewater Reclamation Authority
Performance Benchmarked against Industry
Fiscal Year 2019-2020**

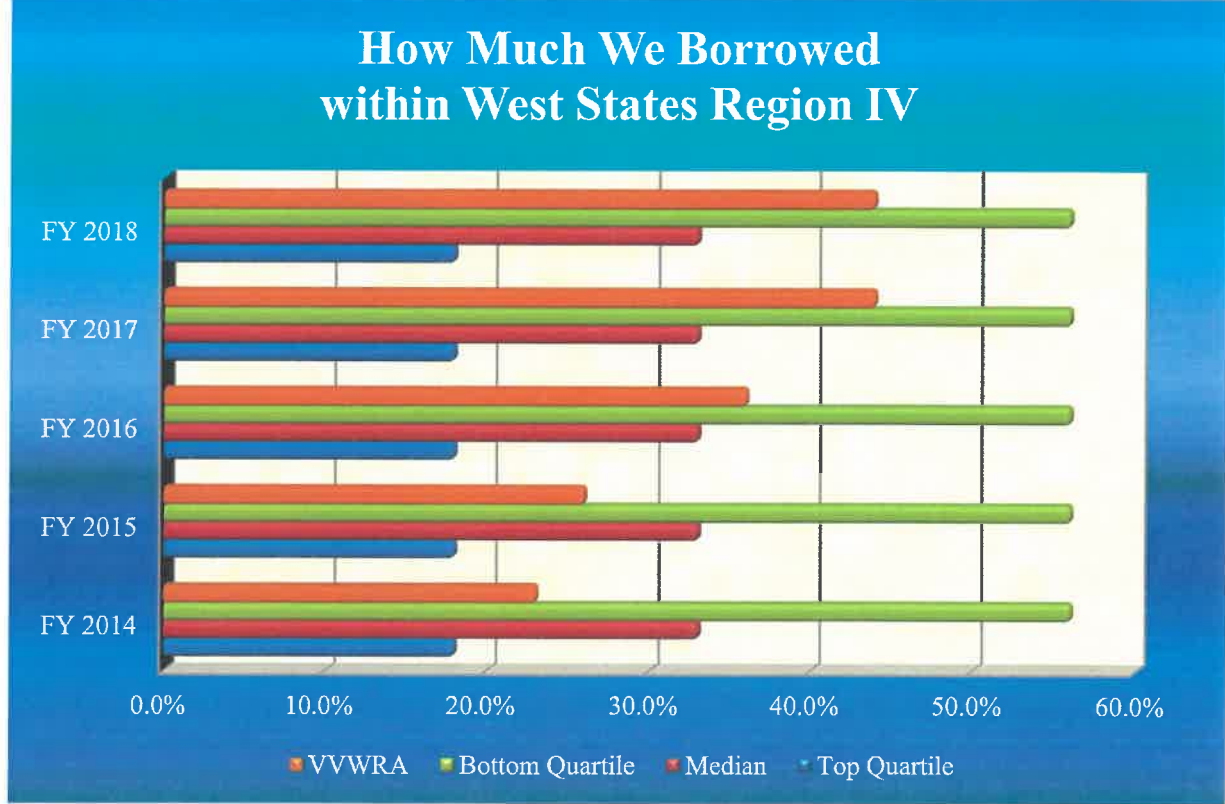
How Much We Borrowed

When you compare what you owe (liabilities) to what you have (assets), you will obtain a debt ratio. The debt ratio can be used to measure the health of a business. Lower value of debt ratio is favorable and a higher value indicates that a higher portion of the organization's assets are claimed by its creditors which means there is a higher risk in operation since the entity would find it difficult to obtain loans for new projects. VVWRA's debt ratio has increased from 23.00% in FY 2014 to 44.00% in FY 2018 due to the increase in the amount of State Revolving Fund loans for the construction projects.

VVWRA surpassed the median quartile in FY 2014 and performed better than the median quartile of the West States Region IV in later years. Compared nationally, VVWRA is ranked between median and top quartiles for the same period. The national data for top and bottom quartiles is not available.

How Much We Borrowed-West States Region IV Benchmark

	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	18.0%	33.0%	56.0%	44.00%
FY 2017	18.0%	33.0%	56.0%	44.00%
FY 2016	18.0%	33.0%	56.0%	36.00%
FY 2015	18.0%	33.0%	56.0%	26.00%
FY 2014	18.0%	33.0%	56.0%	23.00%

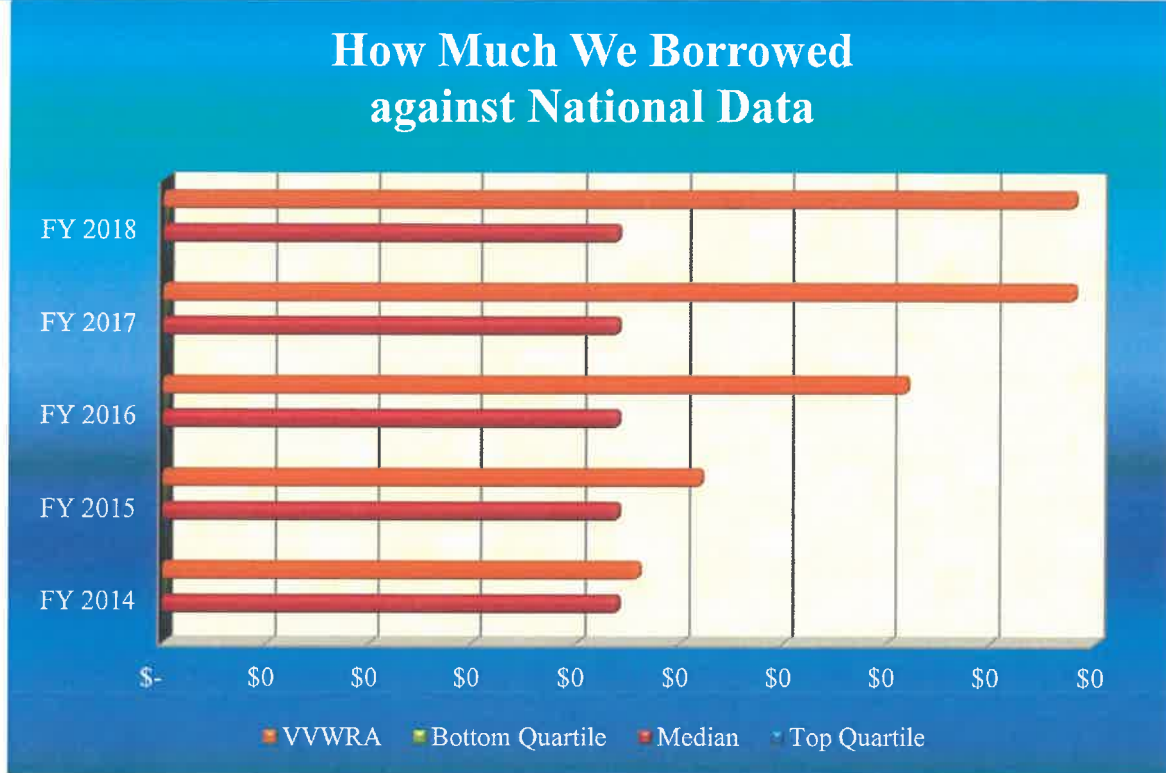


Source: 2012 American Water Works Association Benchmarking analysis FY = Fiscal Year ended June 30

**Victor Valley Wastewater Reclamation Authority
Performance Benchmarked against Industry
Fiscal Year 2019-2020**

How Much We Borrowed-National Benchmark

	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	Data Not Available	22.0%	Data Not Available	44.00%
FY 2017	Data Not Available	22.0%	Data Not Available	44.00%
FY 2016	Data Not Available	22.0%	Data Not Available	36.00%
FY 2015	Data Not Available	22.0%	Data Not Available	26.00%
FY 2014	Data Not Available	22.0%	Data Not Available	23.00%



Source: 2012 American Water Works Association Benchmarking analysis

FY = Fiscal Year ended June 30

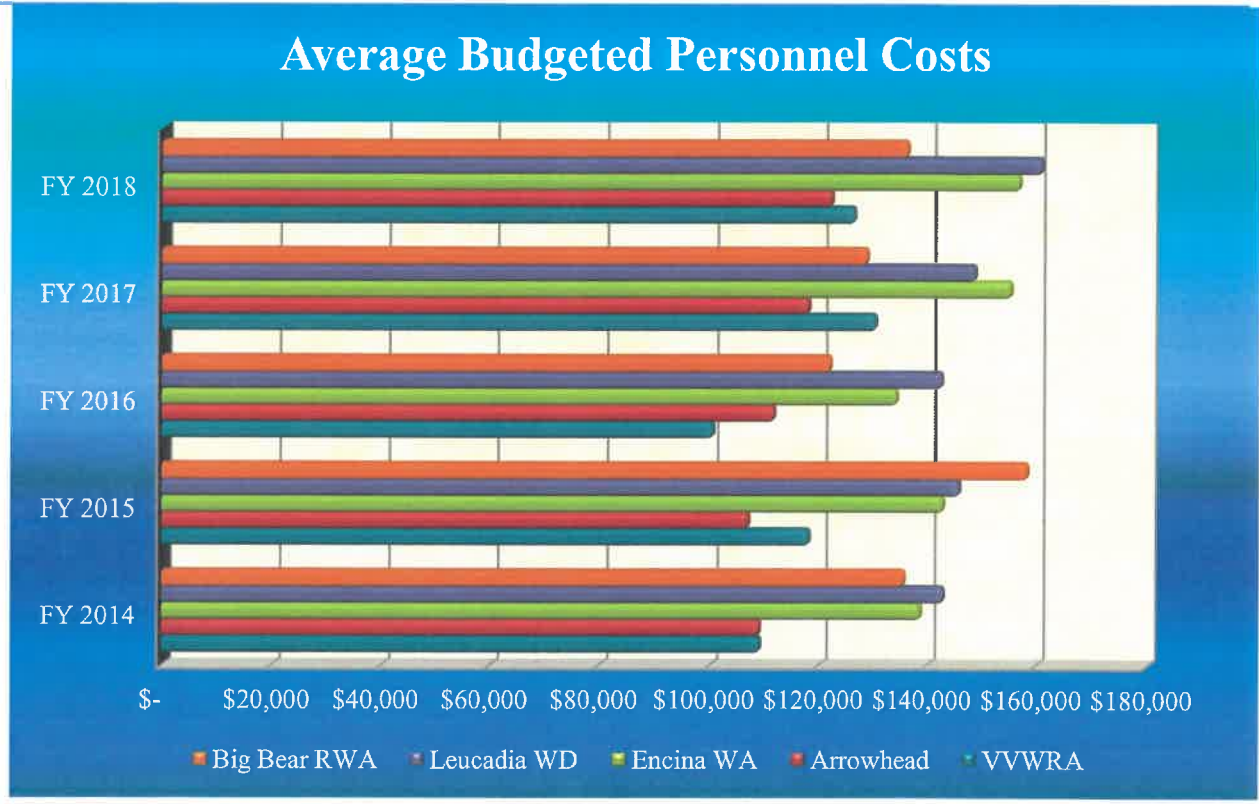
**Victor Valley Wastewater Reclamation Authority
Performance Benchmarked against Industry
Fiscal Year 2019-2020**

Average Budgeted Personnel Cost

Average budgeted personnel cost indicates the cost-effectiveness of an agency’s overall personnel budget. Such an indicator is calculated by dividing the total budgeted personnel costs by the total budgeted number of employees for a fiscal year. VVWRA’s average budgeted personnel costs have improved from median to the low end compared to other wastewater treatment agencies with similar size in the Southern California.

Average Budgeted Personnel Cost

	VVWRA	Arrowhead	Encina WA	Leucadia WD	Big Bear RWA
FY 2018	\$ 126,681	\$ 122,463	\$ 156,933	\$ 161,137	\$ 136,475
FY 2017	\$ 130,464	\$ 118,190	\$ 155,394	\$ 148,888	\$ 128,896
FY 2016	\$ 100,670	\$ 111,767	\$ 134,317	\$ 142,734	\$ 122,160
FY 2015	\$ 118,218	\$ 107,039	\$ 142,968	\$ 145,960	\$ 158,417
FY 2014	\$ 109,157	\$ 109,058	\$ 138,791	\$ 142,991	\$ 135,720



Source: 2012 American Water Works Association Benchmarking analysis FY = Fiscal Year ended June 30

Section VII: Glossary

Victor Valley Wastewater Reclamation Authority
Glossary
Fiscal Year 2019-2020

Glossary	
Ammonia Nitrogen	The soluble ionized and unionized ammonia nitrogen component in wastewater that can be measured using the procedure described in the current edition of “ <i>Standard Methods for the Examination of Water and Wastewater</i> ” published by the American Public Health Association.
Biochemical oxygen demand (BOD)	The measure of decomposable organic material in wastewater as represented by the oxygen utilized as determined by the procedure described in the current edition of “ <i>Standard Methods for the Examination of Water and Wastewater</i> ” published by the American Public Health Association.
Cal-OES	The California Governor’s Office of Emergency Services (Cal-OES) serves the public through effective collaboration in preparing for, protecting against, responding to, recovering from, and mitigating the impacts of all hazards and threats.
Cash Basis	Revenues and expenses are recognized when cash is received or paid out.
Connection Fee	A fee paid by a new discharger for the costs of capacity in the regional wastewater system.
Effluent	The liquid outflow discharged from the Publicly Owned Treatment Works (POTW) facility or the nondomestic wastewater discharged by industrial users to the POTW.
Enterprise accounting	Uses an accrual basis of accounting method to account for the activities of a government agency that provides goods or services to the public on a fee basis.
Enterprise Accounting System	An accrual accounting system that is similar to a regular business accounting method, where revenues and expenses are recorded when they incur. VVWRA employs two funds, (1) Operations and Maintenance Fund and (2) Capital Fund. Both of the funds employ the Enterprise Accounting System.
FEMA	The Federal Emergency Management Agency (FEMA) coordinates the federal government's role in preparing for, preventing, mitigating the effects of, responding to, and recovering from all domestic disasters, whether natural or man-made, including acts of terror.
Interceptor	A pipeline that conveys wastewater from the sewer collection facilities of a Member Agency to the VVWRA's wastewater treatment facilities.
Member Agencies	The four government agencies who participate in the joint power agreement with VVWRA. They are the City of Victorville; Town of Apple Valley; Hesperia Water District; and County of San Bernardino Service Areas, #42 Oro Grande and #64 Spring Valley Lake.
MG	Million Gallons.
MGD	Million Gallons per Day.
POTW	The Publicly Owned Treatment Works is sewage treatment plants that are owned and usually operated by local government agencies.
Industrial Pretreatment	The reduction and elimination of pollutants or the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to or in lieu of discharging or otherwise introducing such pollutants into the POTW.
Reclaimed Water	Water that, as a result of waste treatment, is suitable for a direct beneficial use or a controlled use that would not otherwise occur and is therefore considered a valuable resource.
Septage	Any wastewater or sludge removed from cesspools, septic tanks, holding tanks, or chemical toilets that is trucked or hauled to the point of discharge.
SRF	State Revolving Fund.
High Strength Surcharge	An assessment, in addition to the service charge, which may be levied on those users whose waste are greater in strength than threshold concentration values established.
Total Suspended Solids	The insoluble solid matter suspended in wastewater that is separable by laboratory filtration in accordance with the procedure described in the current edition of “ <i>Standard Methods for the Examination of Water and Wastewater</i> ” published by the American Public Health Association.
Ultraviolet Disinfection	A non-chemical process whereby a pathogen, contained within the wastewater, is exposed to a dosage of ultraviolet radiation, resulting in the deactivation of the pathogen's DNA, such that the pathogen is unable to reproduce.
User	Any person who contributes, causes, or permits the contribution of wastewater into the POTW, including households, private residences, nonresidential users, and Member Agencies.
VVWRA	The Victor Valley Wastewater Reclamation Authority.
Wastewater	The domestic or nondomestic liquid wastes discharged from dwellings, or commercial buildings, industrial facilities, and institutions, together with any ground water, surface water, and storm water that may be present, whether treated or untreated, which is contributed into or permitted to enter the POTW.

EXHIBIT B

Resolution 2019-10

VICTOR VALLEY WASTEWATER RECLATION AUTHORITY
 SALARY SCHEDULE WITH CPI 2.50%
 FY 2019-2020

Range	CPI 2.50%		PERS 0.00%		Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	
	Step A	Step A1	Step A	Step A1								
1	33,280.00	34,091.20	34,964.80	35,796.80	36,732.80	37,668.80	38,584.00	39,540.80	40,539.20	Annual		
	2,773.33	2,840.93	2,913.73	2,983.07	3,061.07	3,139.07	3,215.33	3,295.07	3,378.27	Monthly		
	16.00	16.39	16.81	17.21	17.66	18.11	18.55	19.01	19.49	Hourly		
2	33,737.60	34,548.80	35,360.00	36,337.60	37,232.00	38,126.40	39,083.20	40,060.80	41,059.20	Annual		
	2,811.47	2,879.07	2,946.67	3,028.13	3,102.67	3,177.20	3,256.93	3,338.40	3,421.60	Monthly		
	16.22	16.61	17.00	17.47	17.90	18.33	18.79	19.26	19.74	Hourly		
3	34,112.00	34,964.80	35,796.80	36,732.80	37,668.80	38,584.00	39,540.80	40,539.20	41,579.20	Annual		
	2,842.67	2,913.73	2,983.07	3,061.07	3,139.07	3,215.33	3,295.07	3,378.27	3,464.93	Monthly		
	16.40	16.81	17.21	17.66	18.11	18.55	19.01	19.49	19.99	Hourly		
4	34,548.80	35,422.40	36,337.60	37,232.00	38,126.40	39,083.20	40,060.80	41,080.00	42,078.40	Annual		
	2,879.07	2,951.87	3,028.13	3,102.67	3,177.20	3,256.93	3,338.40	3,423.33	3,506.53	Monthly		
	16.61	17.03	17.47	17.90	18.33	18.79	19.26	19.75	20.23	Hourly		
5	34,964.80	35,796.80	36,753.60	37,689.60	38,604.80	39,561.60	40,580.80	41,579.20	42,619.20	Annual		
	2,913.73	2,983.07	3,062.80	3,140.80	3,217.07	3,296.80	3,381.73	3,464.93	3,551.60	Monthly		
	16.81	17.21	17.67	18.12	18.56	19.02	19.51	19.99	20.49	Hourly		
6	35,422.40	36,358.40	37,232.00	38,147.20	39,083.20	40,081.60	41,080.00	42,078.40	43,180.80	Annual		
	2,951.87	3,029.87	3,102.67	3,178.93	3,256.93	3,340.13	3,423.33	3,506.53	3,598.40	Monthly		
	17.03	17.48	17.90	18.34	18.79	19.27	19.75	20.23	20.76	Hourly		
7	35,817.60	36,753.60	37,689.60	38,604.80	39,561.60	40,580.80	41,600.00	42,640.00	43,680.00	Annual		
	2,984.80	3,062.80	3,140.80	3,217.07	3,296.80	3,381.73	3,466.67	3,553.33	3,640.00	Monthly		
	17.22	17.67	18.12	18.56	19.02	19.51	20.00	20.50	21.00	Hourly		
8	36,358.40	37,232.00	38,147.20	39,083.20	40,081.60	41,080.00	42,099.20	43,180.80	44,220.80	Annual		
	3,029.87	3,102.67	3,178.93	3,256.93	3,340.13	3,423.33	3,508.27	3,598.40	3,685.07	Monthly		
	17.48	17.90	18.34	18.79	19.27	19.75	20.24	20.76	21.26	Hourly		
9	36,753.60	37,689.60	38,604.80	39,561.60	40,580.80	41,600.00	42,640.00	43,680.00	44,782.40	Annual		
	3,062.80	3,140.80	3,217.07	3,296.80	3,381.73	3,466.67	3,553.33	3,640.00	3,731.87	Monthly		
	17.67	18.12	18.56	19.02	19.51	20.00	20.50	21.00	21.53	Hourly		
10	37,252.80	38,147.20	39,104.00	40,081.60	41,080.00	42,099.20	43,180.80	44,220.80	45,344.00	Annual		
	3,104.40	3,178.93	3,258.67	3,340.13	3,423.33	3,508.27	3,598.40	3,685.07	3,778.67	Monthly		
	17.91	18.34	18.80	19.27	19.75	20.24	20.76	21.26	21.80	Hourly		
11	37,689.60	38,604.80	39,561.60	40,580.80	41,600.00	42,640.00	43,680.00	44,782.40	45,947.20	Annual		
	3,140.80	3,217.07	3,296.80	3,381.73	3,466.67	3,553.33	3,640.00	3,731.87	3,828.93	Monthly		
	18.12	18.56	19.02	19.51	20.00	20.50	21.00	21.53	22.09	Hourly		
12	38,147.20	39,104.00	40,081.60	41,100.80	42,099.20	43,201.60	44,220.80	45,344.00	46,508.80	Annual		
	3,178.93	3,258.67	3,340.13	3,425.07	3,508.27	3,600.13	3,685.07	3,778.67	3,875.73	Monthly		
	18.34	18.80	19.27	19.76	20.24	20.77	21.26	21.80	22.36	Hourly		
13	38,625.60	39,582.40	40,601.60	41,600.00	42,640.00	43,680.00	44,782.40	45,968.00	47,049.60	Annual		
	3,218.80	3,298.53	3,383.47	3,466.67	3,553.33	3,640.00	3,731.87	3,830.67	3,920.80	Monthly		
	18.57	19.03	19.52	20.00	20.50	21.00	21.53	22.10	22.62	Hourly		
14	39,104.00	40,123.20	41,100.80	42,099.20	43,201.60	44,220.80	45,344.00	46,508.80	47,694.40	Annual		
	3,258.67	3,343.60	3,425.07	3,508.27	3,600.13	3,685.07	3,778.67	3,875.73	3,974.53	Monthly		
	18.80	19.29	19.76	20.24	20.77	21.26	21.80	22.36	22.93	Hourly		
15	39,582.40	40,601.60	41,620.80	42,660.80	43,700.80	44,803.20	45,968.00	47,049.60	48,256.00	Annual		
	3,298.53	3,383.47	3,468.40	3,555.07	3,641.73	3,733.60	3,830.67	3,920.80	4,021.33	Monthly		
	19.03	19.52	20.01	20.51	21.01	21.54	22.10	22.62	23.20	Hourly		
16	40,123.20	41,100.80	42,140.80	43,201.60	44,283.20	45,344.00	46,508.80	47,694.40	48,859.20	Annual		
	3,343.60	3,425.07	3,511.73	3,600.13	3,690.27	3,778.67	3,875.73	3,974.53	4,071.60	Monthly		
	19.29	19.76	20.26	20.77	21.29	21.80	22.36	22.93	23.49	Hourly		
17	40,601.60	41,620.80	42,660.80	43,700.80	44,803.20	45,968.00	47,070.40	48,256.00	49,462.40	Annual		
	3,383.47	3,468.40	3,555.07	3,641.73	3,733.60	3,830.67	3,922.53	4,021.33	4,121.87	Monthly		

VICTOR VALLEY WASTEWATER RECLATION AUTHORITY
 SALARY SCHEDULE WITH CPI 2.50%
 FY 2019-2020

Range	Step A	Step A1	Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	
	19.52	20.01	20.51	21.01	21.54	22.10	22.63	23.20	23.78	Hourly
18	41,100.80	42,140.80	43,201.60	44,283.20	45,364.80	46,508.80	47,694.40	48,859.20	50,107.20	Annual
	3,425.07	3,511.73	3,600.13	3,690.27	3,780.40	3,875.73	3,974.53	4,071.60	4,175.60	Monthly
	19.76	20.26	20.77	21.29	21.81	22.36	22.93	23.49	24.09	Hourly
19	41,620.80	42,660.80	43,700.80	44,803.20	45,988.80	47,070.40	48,256.00	49,462.40	50,710.40	Annual
	3,468.40	3,555.07	3,641.73	3,733.60	3,832.40	3,922.53	4,021.33	4,121.87	4,225.87	Monthly
	20.01	20.51	21.01	21.54	22.11	22.63	23.20	23.78	24.38	Hourly
20	42,140.80	43,222.40	44,283.20	45,364.80	46,529.60	47,715.20	48,880.00	50,107.20	51,396.80	Annual
	3,511.73	3,601.87	3,690.27	3,780.40	3,877.47	3,976.27	4,073.33	4,175.60	4,283.07	Monthly
	20.26	20.78	21.29	21.81	22.37	22.94	23.50	24.09	24.71	Hourly
21	42,660.80	43,700.80	44,824.00	45,988.80	47,070.40	48,276.80	49,462.40	50,710.40	51,958.40	Annual
	3,555.07	3,641.73	3,735.33	3,832.40	3,922.53	4,023.07	4,121.87	4,225.87	4,329.87	Monthly
	20.51	21.01	21.55	22.11	22.63	23.21	23.78	24.38	24.98	Hourly
22	43,222.40	44,304.00	45,364.80	46,529.60	47,715.20	48,880.00	50,107.20	51,396.80	52,665.60	Annual
	3,601.87	3,692.00	3,780.40	3,877.47	3,976.27	4,073.33	4,175.60	4,283.07	4,388.80	Monthly
	20.78	21.30	21.81	22.37	22.94	23.50	24.09	24.71	25.32	Hourly
23	43,721.60	44,824.00	45,988.80	47,070.40	48,276.80	49,483.20	50,752.00	51,979.20	53,268.80	Annual
	3,643.47	3,735.33	3,832.40	3,922.53	4,023.07	4,123.60	4,229.33	4,331.60	4,439.07	Monthly
	21.02	21.55	22.11	22.63	23.21	23.79	24.40	24.99	25.61	Hourly
24	44,304.00	45,364.80	46,529.60	47,715.20	48,880.00	50,128.00	51,396.80	52,665.60	53,955.20	Annual
	3,692.00	3,780.40	3,877.47	3,976.27	4,073.33	4,177.33	4,283.07	4,388.80	4,496.27	Monthly
	21.30	21.81	22.37	22.94	23.50	24.10	24.71	25.32	25.94	Hourly
25	44,824.00	45,988.80	47,091.20	48,276.80	49,483.20	50,752.00	51,979.20	53,310.40	54,600.00	Annual
	3,735.33	3,832.40	3,924.27	4,023.07	4,123.60	4,229.33	4,331.60	4,442.53	4,550.00	Monthly
	21.55	22.11	22.64	23.21	23.79	24.40	24.99	25.63	26.25	Hourly
26	45,385.60	46,550.40	47,715.20	48,900.80	50,128.00	51,396.80	52,665.60	53,955.20	55,328.00	Annual
	3,782.13	3,879.20	3,976.27	4,075.07	4,177.33	4,283.07	4,388.80	4,496.27	4,610.67	Monthly
	21.82	22.38	22.94	23.51	24.10	24.71	25.32	25.94	26.60	Hourly
27	46,009.60	47,091.20	48,297.60	49,483.20	50,752.00	51,979.20	53,310.40	54,641.60	56,035.20	Annual
	3,834.13	3,924.27	4,024.80	4,123.60	4,229.33	4,331.60	4,442.53	4,553.47	4,669.60	Monthly
	22.12	22.64	23.22	23.79	24.40	24.99	25.63	26.27	26.94	Hourly
28	46,550.40	47,736.00	48,900.80	50,128.00	51,417.60	52,686.40	53,976.00	55,328.00	56,680.00	Annual
	3,879.20	3,978.00	4,075.07	4,177.33	4,284.80	4,390.53	4,498.00	4,610.67	4,723.33	Monthly
	22.38	22.95	23.51	24.10	24.72	25.33	25.95	26.60	27.25	Hourly
29	47,091.20	48,297.60	49,504.00	50,772.80	52,020.80	53,310.40	54,641.60	56,035.20	57,449.60	Annual
	3,924.27	4,024.80	4,125.33	4,231.07	4,335.07	4,442.53	4,553.47	4,669.60	4,787.47	Monthly
	22.64	23.22	23.80	24.41	25.01	25.63	26.27	26.94	27.62	Hourly
30	47,736.00	48,900.80	50,148.80	51,417.60	52,686.40	53,976.00	55,348.80	56,680.00	58,136.00	Annual
	3,978.00	4,075.07	4,179.07	4,284.80	4,390.53	4,498.00	4,612.40	4,723.33	4,844.67	Monthly
	22.95	23.51	24.11	24.72	25.33	25.95	26.61	27.25	27.95	Hourly
31	48,297.60	49,504.00	50,772.80	52,020.80	53,310.40	54,641.60	56,035.20	57,449.60	58,843.20	Annual
	4,024.80	4,125.33	4,231.07	4,335.07	4,442.53	4,553.47	4,669.60	4,787.47	4,903.60	Monthly
	23.22	23.80	24.41	25.01	25.63	26.27	26.94	27.62	28.29	Hourly
32	48,921.60	50,148.80	51,417.60	52,686.40	53,976.00	55,348.80	56,721.60	58,136.00	59,612.80	Annual
	4,076.80	4,179.07	4,284.80	4,390.53	4,498.00	4,612.40	4,726.80	4,844.67	4,967.73	Monthly
	23.52	24.11	24.72	25.33	25.95	26.61	27.27	27.95	28.66	Hourly
33	49,504.00	50,772.80	52,020.80	53,331.20	54,683.20	56,056.00	57,449.60	58,843.20	60,361.60	Annual
	4,125.33	4,231.07	4,335.07	4,444.27	4,556.93	4,671.33	4,787.47	4,903.60	5,030.13	Monthly
	23.80	24.41	25.01	25.64	26.29	26.95	27.62	28.29	29.02	Hourly
34	50,148.80	51,438.40	52,707.20	53,996.80	55,348.80	56,721.60	58,136.00	59,612.80	61,110.40	Annual
	4,179.07	4,286.53	4,392.27	4,499.73	4,612.40	4,726.80	4,844.67	4,967.73	5,092.53	Monthly
	24.11	24.73	25.34	25.96	26.61	27.27	27.95	28.66	29.38	Hourly

VICTOR VALLEY WASTEWATER RECLATION AUTHORITY
 SALARY SCHEDULE WITH CPI 2.50%
 FY 2019-2020

Range	Step A	Step A1	Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	
35	50,772.80	52,041.60	53,331.20	54,683.20	56,056.00	57,470.40	58,864.00	60,361.60	61,880.00	Annual
	4,231.07	4,336.80	4,444.27	4,556.93	4,671.33	4,789.20	4,905.33	5,030.13	5,156.67	Monthly
	24.41	25.02	25.64	26.29	26.95	27.63	28.30	29.02	29.75	Hourly
36	51,438.40	52,707.20	53,996.80	55,369.60	56,721.60	58,156.80	59,612.80	61,110.40	62,628.80	Annual
	4,286.53	4,392.27	4,499.73	4,614.13	4,726.80	4,846.40	4,967.73	5,092.53	5,219.07	Monthly
	24.73	25.34	25.96	26.62	27.27	27.96	28.66	29.38	30.11	Hourly
37	52,041.60	53,331.20	54,683.20	56,056.00	57,470.40	58,864.00	60,361.60	61,880.00	63,419.20	Annual
	4,336.80	4,444.27	4,556.93	4,671.33	4,789.20	4,905.33	5,030.13	5,156.67	5,284.93	Monthly
	25.02	25.64	26.29	26.95	27.63	28.30	29.02	29.75	30.49	Hourly
38	52,707.20	53,996.80	55,369.60	56,742.40	58,156.80	59,633.60	61,131.20	62,628.80	64,188.80	Annual
	4,392.27	4,499.73	4,614.13	4,728.53	4,846.40	4,969.47	5,094.27	5,219.07	5,349.07	Monthly
	25.34	25.96	26.62	27.28	27.96	28.67	29.39	30.11	30.86	Hourly
39	53,352.00	54,724.80	56,097.60	57,470.40	58,864.00	60,382.40	61,900.80	63,419.20	65,000.00	Annual
	4,446.00	4,560.40	4,674.80	4,789.20	4,905.33	5,031.87	5,158.40	5,284.93	5,416.67	Monthly
	25.65	26.31	26.97	27.63	28.30	29.03	29.76	30.49	31.25	Hourly
40	54,017.60	55,369.60	56,742.40	58,156.80	59,633.60	61,131.20	62,649.60	64,188.80	65,832.00	Annual
	4,501.47	4,614.13	4,728.53	4,846.40	4,969.47	5,094.27	5,220.80	5,349.07	5,486.00	Monthly
	25.97	26.62	27.28	27.96	28.67	29.39	30.12	30.86	31.65	Hourly
41	54,724.80	56,097.60	57,491.20	58,905.60	60,382.40	61,900.80	63,419.20	65,000.00	66,622.40	Annual
	4,560.40	4,674.80	4,790.93	4,908.80	5,031.87	5,158.40	5,284.93	5,416.67	5,551.87	Monthly
	26.31	26.97	27.64	28.32	29.03	29.76	30.49	31.25	32.03	Hourly
42	55,390.40	56,742.40	58,177.60	59,633.60	61,152.00	62,649.60	64,188.80	65,832.00	67,475.20	Annual
	4,615.87	4,728.53	4,848.13	4,969.47	5,096.00	5,220.80	5,349.07	5,486.00	5,622.93	Monthly
	26.63	27.28	27.97	28.67	29.40	30.12	30.86	31.65	32.44	Hourly
43	56,097.60	57,491.20	58,905.60	60,382.40	61,900.80	63,440.00	65,020.80	66,622.40	68,328.00	Annual
	4,674.80	4,790.93	4,908.80	5,031.87	5,158.40	5,286.67	5,418.40	5,551.87	5,694.00	Monthly
	26.97	27.64	28.32	29.03	29.76	30.50	31.26	32.03	32.85	Hourly
44	56,763.20	58,177.60	59,654.40	61,152.00	62,712.00	64,209.60	65,852.80	67,475.20	69,180.80	Annual
	4,730.27	4,848.13	4,971.20	5,096.00	5,226.00	5,350.80	5,487.73	5,622.93	5,765.07	Monthly
	27.29	27.97	28.68	29.40	30.15	30.87	31.66	32.44	33.26	Hourly
45	57,491.20	58,905.60	60,403.20	61,942.40	63,440.00	65,020.80	66,643.20	68,328.00	70,054.40	Annual
	4,790.93	4,908.80	5,033.60	5,161.87	5,286.67	5,418.40	5,553.60	5,694.00	5,837.87	Monthly
	27.64	28.32	29.04	29.78	30.50	31.26	32.04	32.85	33.68	Hourly
46	58,177.60	59,654.40	61,152.00	62,712.00	64,209.60	65,852.80	67,475.20	69,180.80	70,886.40	Annual
	4,848.13	4,971.20	5,096.00	5,226.00	5,350.80	5,487.73	5,622.93	5,765.07	5,907.20	Monthly
	27.97	28.68	29.40	30.15	30.87	31.66	32.44	33.26	34.08	Hourly
47	58,926.40	60,403.20	61,942.40	63,460.80	65,041.60	66,643.20	68,328.00	70,054.40	71,801.60	Annual
	4,910.53	5,033.60	5,161.87	5,288.40	5,420.13	5,553.60	5,694.00	5,837.87	5,983.47	Monthly
	28.33	29.04	29.78	30.51	31.27	32.04	32.85	33.68	34.52	Hourly
48	59,654.40	61,172.80	62,712.00	64,251.20	65,852.80	67,496.00	69,201.60	70,907.20	72,696.00	Annual
	4,971.20	5,097.73	5,226.00	5,354.27	5,487.73	5,624.67	5,766.80	5,908.93	6,058.00	Monthly
	28.68	29.41	30.15	30.89	31.66	32.45	33.27	34.09	34.95	Hourly
49	60,424.00	61,942.40	63,460.80	65,041.60	66,684.80	68,348.80	70,075.20	71,801.60	73,590.40	Annual
	5,035.33	5,161.87	5,288.40	5,420.13	5,557.07	5,695.73	5,839.60	5,983.47	6,132.53	Monthly
	29.05	29.78	30.51	31.27	32.06	32.86	33.69	34.52	35.38	Hourly
50	61,172.80	62,732.80	64,251.20	65,873.60	67,496.00	69,201.60	70,907.20	72,737.60	74,526.40	Annual
	5,097.73	5,227.73	5,354.27	5,489.47	5,624.67	5,766.80	5,908.93	6,061.47	6,210.53	Monthly
	29.41	30.16	30.89	31.67	32.45	33.27	34.09	34.97	35.83	Hourly
51	61,963.20	63,460.80	65,041.60	66,684.80	68,348.80	70,075.20	71,822.40	73,590.40	75,483.20	Annual
	5,163.60	5,288.40	5,420.13	5,557.07	5,695.73	5,839.60	5,985.20	6,132.53	6,290.27	Monthly
	29.79	30.51	31.27	32.06	32.86	33.69	34.53	35.38	36.29	Hourly
52	62,732.80	64,251.20	65,873.60	67,516.80	69,222.40	70,928.00	72,737.60	74,547.20	76,398.40	Annual

VICTOR VALLEY WASTEWATER RECLATION AUTHORITY
SALARY SCHEDULE WITH CPI 2.50%
FY 2019-2020

Range	Step A	Step A1	Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	
	5,227.73	5,354.27	5,489.47	5,626.40	5,768.53	5,910.67	6,061.47	6,212.27	6,366.53	Monthly
	30.16	30.89	31.67	32.46	33.28	34.10	34.97	35.84	36.73	Hourly
53	63,481.60	65,062.40	66,684.80	68,369.60	70,096.00	71,822.40	73,611.20	75,483.20	77,396.80	Annual
	5,290.13	5,421.87	5,557.07	5,697.47	5,841.33	5,985.20	6,134.27	6,290.27	6,449.73	Monthly
	30.52	31.28	32.06	32.87	33.70	34.53	35.39	36.29	37.21	Hourly
54	64,272.00	65,894.40	67,516.80	69,222.40	70,928.00	72,758.40	74,547.20	76,398.40	78,332.80	Annual
	5,356.00	5,491.20	5,626.40	5,768.53	5,910.67	6,063.20	6,212.27	6,366.53	6,527.73	Monthly
	30.90	31.68	32.46	33.28	34.10	34.98	35.84	36.73	37.66	Hourly
55	65,062.40	66,705.60	68,369.60	70,096.00	71,843.20	73,611.20	75,504.00	77,417.60	79,310.40	Annual
	5,421.87	5,558.80	5,697.47	5,841.33	5,986.93	6,134.27	6,292.00	6,451.47	6,609.20	Monthly
	31.28	32.07	32.87	33.70	34.54	35.39	36.30	37.22	38.13	Hourly
56	65,894.40	67,516.80	69,243.20	70,928.00	72,758.40	74,547.20	76,419.20	78,353.60	80,308.80	Annual
	5,491.20	5,626.40	5,770.27	5,910.67	6,063.20	6,212.27	6,368.27	6,529.47	6,692.40	Monthly
	31.68	32.46	33.29	34.10	34.98	35.84	36.74	37.67	38.61	Hourly
57	66,705.60	68,390.40	70,116.80	71,843.20	73,632.00	75,504.00	77,417.60	79,310.40	81,286.40	Annual
	5,558.80	5,699.20	5,843.07	5,986.93	6,136.00	6,292.00	6,451.47	6,609.20	6,773.87	Monthly
	32.07	32.88	33.71	34.54	35.40	36.30	37.22	38.13	39.08	Hourly
58	67,537.60	69,243.20	70,948.80	72,758.40	74,568.00	76,419.20	78,353.60	80,308.80	82,326.40	Annual
	5,628.13	5,770.27	5,912.40	6,063.20	6,214.00	6,368.27	6,529.47	6,692.40	6,860.53	Monthly
	32.47	33.29	34.11	34.98	35.85	36.74	37.67	38.61	39.58	Hourly
59	68,390.40	70,116.80	71,864.00	73,632.00	75,504.00	77,438.40	79,331.20	81,328.00	83,345.60	Annual
	5,699.20	5,843.07	5,988.67	6,136.00	6,292.00	6,453.20	6,610.93	6,777.33	6,945.47	Monthly
	32.88	33.71	34.55	35.40	36.30	37.23	38.14	39.10	40.07	Hourly
60	69,243.20	70,948.80	72,779.20	74,568.00	76,460.80	78,374.40	80,329.60	82,347.20	84,427.20	Annual
	5,770.27	5,912.40	6,064.93	6,214.00	6,371.73	6,531.20	6,694.13	6,862.27	7,035.60	Monthly
	33.29	34.11	34.99	35.85	36.76	37.68	38.62	39.59	40.59	Hourly
61	70,116.80	71,864.00	73,652.80	75,524.80	77,438.40	79,331.20	81,328.00	83,345.60	85,446.40	Annual
	5,843.07	5,988.67	6,137.73	6,293.73	6,453.20	6,610.93	6,777.33	6,945.47	7,120.53	Monthly
	33.71	34.55	35.41	36.31	37.23	38.14	39.10	40.07	41.08	Hourly
62	70,969.60	72,779.20	74,588.80	76,460.80	78,374.40	80,329.60	82,347.20	84,427.20	86,486.40	Annual
	5,914.13	6,064.93	6,215.73	6,371.73	6,531.20	6,694.13	6,862.27	7,035.60	7,207.20	Monthly
	34.12	34.99	35.86	36.76	37.68	38.62	39.59	40.59	41.58	Hourly
63	71,905.60	73,652.80	75,524.80	77,459.20	79,372.80	81,348.80	83,366.40	85,467.20	87,568.00	Annual
	5,992.13	6,137.73	6,293.73	6,454.93	6,614.40	6,779.07	6,947.20	7,122.27	7,297.33	Monthly
	34.57	35.41	36.31	37.24	38.16	39.11	40.08	41.09	42.10	Hourly
64	72,800.00	74,588.80	76,502.40	78,395.20	80,350.40	82,388.80	84,448.00	86,528.00	88,670.40	Annual
	6,066.67	6,215.73	6,375.20	6,532.93	6,695.87	6,865.73	7,037.33	7,210.67	7,389.20	Monthly
	35.00	35.86	36.78	37.69	38.63	39.61	40.60	41.60	42.63	Hourly
65	73,673.60	75,545.60	77,459.20	79,372.80	81,348.80	83,366.40	85,467.20	87,609.60	89,793.60	Annual
	6,139.47	6,295.47	6,454.93	6,614.40	6,779.07	6,947.20	7,122.27	7,300.80	7,482.80	Monthly
	35.42	36.32	37.24	38.16	39.11	40.08	41.09	42.12	43.17	Hourly
66	74,630.40	76,502.40	78,395.20	80,350.40	82,388.80	84,448.00	86,590.40	88,691.20	90,916.80	Annual
	6,219.20	6,375.20	6,532.93	6,695.87	6,865.73	7,037.33	7,215.87	7,390.93	7,576.40	Monthly
	35.88	36.78	37.69	38.63	39.61	40.60	41.63	42.64	43.71	Hourly
67	75,545.60	77,480.00	79,393.60	81,369.60	83,387.20	85,488.00	87,609.60	89,814.40	92,040.00	Annual
	6,295.47	6,456.67	6,616.13	6,780.80	6,948.93	7,124.00	7,300.80	7,484.53	7,670.00	Monthly
	36.32	37.25	38.17	39.12	40.09	41.10	42.12	43.18	44.25	Hourly
68	76,502.40	78,416.00	80,371.20	82,409.60	84,489.60	86,590.40	88,691.20	90,937.60	93,184.00	Annual
	6,375.20	6,534.67	6,697.60	6,867.47	7,040.80	7,215.87	7,390.93	7,578.13	7,765.33	Monthly
	36.78	37.70	38.64	39.62	40.62	41.63	42.64	43.72	44.80	Hourly
69	77,480.00	79,393.60	81,369.60	83,387.20	85,488.00	87,630.40	89,814.40	92,060.80	94,390.40	Annual
	6,456.67	6,616.13	6,780.80	6,948.93	7,124.00	7,302.53	7,484.53	7,671.73	7,865.87	Monthly

VICTOR VALLEY WASTEWATER RECLATION AUTHORITY
SALARY SCHEDULE WITH CPI 2.50%
FY 2019-2020

Range	Step A	Step A1	Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	
	37.25	38.17	39.12	40.09	41.10	42.13	43.18	44.26	45.38	Hourly
70	78,416.00	80,371.20	82,409.60	84,489.60	86,611.20	88,732.80	90,937.60	93,184.00	95,534.40	Annual
	6,534.67	6,697.60	6,867.47	7,040.80	7,217.60	7,394.40	7,578.13	7,765.33	7,961.20	Monthly
	37.70	38.64	39.62	40.62	41.64	42.66	43.72	44.80	45.93	Hourly
71	79,414.40	81,390.40	83,408.00	85,508.80	87,630.40	89,835.20	92,060.80	94,390.40	96,740.80	Annual
	6,617.87	6,782.53	6,950.67	7,125.73	7,302.53	7,486.27	7,671.73	7,865.87	8,061.73	Monthly
	38.18	39.13	40.10	41.11	42.13	43.19	44.26	45.38	46.51	Hourly
72	80,392.00	82,430.40	84,510.40	86,611.20	88,732.80	90,958.40	93,204.80	95,555.20	97,947.20	Annual
	6,699.33	6,869.20	7,042.53	7,217.60	7,394.40	7,579.87	7,767.07	7,962.93	8,162.27	Monthly
	38.65	39.63	40.63	41.64	42.66	43.73	44.81	45.94	47.09	Hourly
73	81,390.40	83,408.00	85,529.60	87,651.20	89,835.20	92,081.60	94,411.20	96,761.60	99,216.00	Annual
	6,782.53	6,950.67	7,127.47	7,304.27	7,486.27	7,673.47	7,867.60	8,063.47	8,268.00	Monthly
	39.13	40.10	41.12	42.14	43.19	44.27	45.39	46.52	47.70	Hourly
74	82,430.40	84,510.40	86,632.00	88,753.60	90,979.20	93,204.80	95,555.20	97,968.00	100,422.40	Annual
	6,869.20	7,042.53	7,219.33	7,396.13	7,581.60	7,767.07	7,962.93	8,164.00	8,368.53	Monthly
	39.63	40.63	41.65	42.67	43.74	44.81	45.94	47.10	48.28	Hourly
75	83,428.80	85,529.60	87,651.20	89,856.00	92,081.60	94,411.20	96,803.20	99,216.00	101,628.80	Annual
	6,952.40	7,127.47	7,304.27	7,488.00	7,673.47	7,867.60	8,066.93	8,268.00	8,469.07	Monthly
	40.11	41.12	42.14	43.20	44.27	45.39	46.54	47.70	48.86	Hourly
76	84,531.20	86,632.00	88,795.20	90,979.20	93,225.60	95,576.00	97,968.00	100,422.40	102,939.20	Annual
	7,044.27	7,219.33	7,399.60	7,581.60	7,768.80	7,964.67	8,164.00	8,368.53	8,578.27	Monthly
	40.64	41.65	42.69	43.74	44.82	45.95	47.10	48.28	49.49	Hourly
77	85,550.40	87,672.00	89,856.00	92,102.40	94,432.00	96,803.20	99,236.80	101,670.40	104,228.80	Annual
	7,129.20	7,306.00	7,488.00	7,675.20	7,869.33	8,066.93	8,269.73	8,472.53	8,685.73	Monthly
	41.13	42.15	43.20	44.28	45.40	46.54	47.71	48.88	50.11	Hourly
78	86,652.80	88,795.20	91,000.00	93,225.60	95,596.80	97,988.80	100,443.20	102,960.00	105,539.20	Annual
	7,221.07	7,399.60	7,583.33	7,768.80	7,966.40	8,165.73	8,370.27	8,580.00	8,794.93	Monthly
	41.66	42.69	43.75	44.82	45.96	47.11	48.29	49.50	50.74	Hourly
79	87,672.00	89,876.80	92,144.00	94,432.00	96,824.00	99,236.80	101,670.40	104,249.60	106,849.60	Annual
	7,306.00	7,489.73	7,678.67	7,869.33	8,068.67	8,269.73	8,472.53	8,687.47	8,904.13	Monthly
	42.15	43.21	44.30	45.40	46.55	47.71	48.88	50.12	51.37	Hourly
80	88,816.00	91,000.00	93,246.40	95,596.80	98,009.60	100,443.20	102,980.80	105,560.00	108,222.40	Annual
	7,401.33	7,583.33	7,770.53	7,966.40	8,167.47	8,370.27	8,581.73	8,796.67	9,018.53	Monthly
	42.70	43.75	44.83	45.96	47.12	48.29	49.51	50.75	52.03	Hourly
81	89,876.80	92,144.00	94,452.80	96,824.00	99,257.60	101,712.00	104,270.40	106,870.40	109,532.80	Annual
	7,489.73	7,678.67	7,871.07	8,068.67	8,271.47	8,476.00	8,689.20	8,905.87	9,127.73	Monthly
	43.21	44.30	45.41	46.55	47.72	48.90	50.13	51.38	52.66	Hourly
82	91,041.60	93,288.00	95,617.60	98,009.60	100,464.00	102,980.80	105,560.00	108,243.20	110,926.40	Annual
	7,586.80	7,774.00	7,968.13	8,167.47	8,372.00	8,581.73	8,796.67	9,020.27	9,243.87	Monthly
	43.77	44.85	45.97	47.12	48.30	49.51	50.75	52.04	53.33	Hourly
83	92,164.80	94,473.60	96,844.80	99,278.40	101,732.80	104,270.40	106,870.40	109,532.80	112,299.20	Annual
	7,680.40	7,872.80	8,070.40	8,273.20	8,477.73	8,689.20	8,905.87	9,127.73	9,358.27	Monthly
	44.31	45.42	46.56	47.73	48.91	50.13	51.38	52.66	53.99	Hourly
84	93,288.00	95,617.60	98,030.40	100,484.80	103,001.60	105,580.80	108,243.20	110,947.20	113,692.80	Annual
	7,774.00	7,968.13	8,169.20	8,373.73	8,583.47	8,798.40	9,020.27	9,245.60	9,474.40	Monthly
	44.85	45.97	47.13	48.31	49.52	50.76	52.04	53.34	54.66	Hourly
85	94,473.60	96,865.60	99,278.40	101,732.80	104,291.20	106,891.20	109,553.60	112,340.80	115,148.80	Annual
	7,872.80	8,072.13	8,273.20	8,477.73	8,690.93	8,907.60	9,129.47	9,361.73	9,595.73	Monthly
	45.42	46.57	47.73	48.91	50.14	51.39	52.67	54.01	55.36	Hourly
86	95,638.40	98,030.40	100,484.80	103,022.40	105,622.40	108,264.00	110,947.20	113,713.60	116,563.20	Annual
	7,969.87	8,169.20	8,373.73	8,585.20	8,801.87	9,022.00	9,245.60	9,476.13	9,713.60	Monthly
	45.98	47.13	48.31	49.53	50.78	52.05	53.34	54.67	56.04	Hourly

FY 2018-2019

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VICTOR VALLEY WASTEWATER RECLATION AUTHORITY
SALARY SCHEDULE WITH CPI 2.50%
FY 2019-2020

Range	Step A	Step A1	Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	
87	96,865.60	99,299.20	101,753.60	104,312.00	106,912.00	109,595.20	112,340.80	115,169.60	118,040.00	Annual
	8,072.13	8,274.93	8,479.47	8,692.67	8,909.33	9,132.93	9,361.73	9,597.47	9,836.67	Monthly
	46.57	47.74	48.92	50.15	51.40	52.69	54.01	55.37	56.75	Hourly
88	98,051.20	100,505.60	103,022.40	105,622.40	108,284.80	110,968.00	113,734.40	116,584.00	119,496.00	Annual
	8,170.93	8,375.47	8,585.20	8,801.87	9,023.73	9,247.33	9,477.87	9,715.33	9,958.00	Monthly
	47.14	48.32	49.53	50.78	52.06	53.35	54.68	56.05	57.45	Hourly
89	99,299.20	101,774.40	104,312.00	106,912.00	109,595.20	112,361.60	115,169.60	118,040.00	120,993.60	Annual
	8,274.93	8,481.20	8,692.67	8,909.33	9,132.93	9,363.47	9,597.47	9,836.67	10,082.80	Monthly
	47.74	48.93	50.15	51.40	52.69	54.02	55.37	56.75	58.17	Hourly
90	100,505.60	103,043.20	105,664.00	108,284.80	110,988.80	113,755.20	116,584.00	119,516.80	122,470.40	Annual
	8,375.47	8,586.93	8,805.33	9,023.73	9,249.07	9,479.60	9,715.33	9,959.73	10,205.87	Monthly
	48.32	49.54	50.80	52.06	53.36	54.69	56.05	57.46	58.88	Hourly
91	101,774.40	104,332.80	106,932.80	109,636.80	112,382.40	115,190.40	118,060.80	121,014.40	124,009.60	Annual
	8,481.20	8,694.40	8,911.07	9,136.40	9,365.20	9,599.20	9,838.40	10,084.53	10,334.13	Monthly
	48.93	50.16	51.41	52.71	54.03	55.38	56.76	58.18	59.62	Hourly
92	103,064.00	105,684.80	108,305.60	110,988.80	113,755.20	116,604.80	119,537.60	122,491.20	125,590.40	Annual
	8,588.67	8,807.07	9,025.47	9,249.07	9,479.60	9,717.07	9,961.47	10,207.60	10,465.87	Monthly
	49.55	50.81	52.07	53.36	54.69	56.06	57.47	58.89	60.38	Hourly
93	104,353.60	106,953.60	109,657.60	112,382.40	115,211.20	118,081.60	121,035.20	124,051.20	127,108.80	Annual
	8,696.13	8,912.80	9,138.13	9,365.20	9,600.93	9,840.13	10,086.27	10,337.60	10,592.40	Monthly
	50.17	51.42	52.72	54.03	55.39	56.77	58.19	59.64	61.11	Hourly
94	105,684.80	108,326.40	111,009.60	113,776.00	116,625.60	119,537.60	122,512.00	125,611.20	128,752.00	Annual
	8,807.07	9,027.20	9,250.80	9,481.33	9,718.80	9,961.47	10,209.33	10,467.60	10,729.33	Monthly
	50.81	52.08	53.37	54.70	56.07	57.47	58.90	60.39	61.90	Hourly
95	106,953.60	109,657.60	112,403.20	115,211.20	118,123.20	121,076.80	124,092.80	127,129.60	130,353.60	Annual
	8,912.80	9,138.13	9,366.93	9,600.93	9,843.60	10,089.73	10,341.07	10,594.13	10,862.80	Monthly
	51.42	52.72	54.04	55.39	56.79	58.21	59.66	61.12	62.67	Hourly
96	108,326.40	111,030.40	113,817.60	116,625.60	119,558.40	122,532.80	125,611.20	128,772.80	131,976.00	Annual
	9,027.20	9,252.53	9,484.80	9,718.80	9,963.20	10,211.07	10,467.60	10,731.07	10,998.00	Monthly
	52.08	53.38	54.72	56.07	57.48	58.91	60.39	61.91	63.45	Hourly
97	109,678.40	112,424.00	115,232.00	118,123.20	121,076.80	124,113.60	127,150.40	130,374.40	133,640.00	Annual
	9,139.87	9,368.67	9,602.67	9,843.60	10,089.73	10,342.80	10,595.87	10,864.53	11,136.67	Monthly
	52.73	54.05	55.40	56.79	58.21	59.67	61.13	62.68	64.25	Hourly
98	111,030.40	113,817.60	116,646.40	119,579.20	122,532.80	125,632.00	128,793.60	131,996.80	135,324.80	Annual
	9,252.53	9,484.80	9,720.53	9,964.93	10,211.07	10,469.33	10,732.80	10,999.73	11,277.07	Monthly
	53.38	54.72	56.08	57.49	58.91	60.40	61.92	63.46	65.06	Hourly
99	112,424.00	115,252.80	118,144.00	121,097.60	124,113.60	127,150.40	130,395.20	133,660.80	136,968.00	Annual
	9,368.67	9,604.40	9,845.33	10,091.47	10,342.80	10,595.87	10,866.27	11,138.40	11,414.00	Monthly
	54.05	55.41	56.80	58.22	59.67	61.13	62.69	64.26	65.85	Hourly
100	113,859.20	116,667.20	119,600.00	122,595.20	125,652.80	128,814.40	132,017.60	135,345.60	138,736.00	Annual
	9,488.27	9,722.27	9,966.67	10,216.27	10,471.07	10,734.53	11,001.47	11,278.80	11,561.33	Monthly
	54.74	56.09	57.50	58.94	60.41	61.93	63.47	65.07	66.70	Hourly
101	115,252.80	118,185.60	121,118.40	124,134.40	127,192.00	130,436.80	133,681.60	137,030.40	140,441.60	Annual
	9,604.40	9,848.80	10,093.20	10,344.53	10,599.33	10,869.73	11,140.13	11,419.20	11,703.47	Monthly
	55.41	56.82	58.23	59.68	61.15	62.71	64.27	65.88	67.52	Hourly
102	116,708.80	119,600.00	122,636.80	125,673.60	128,814.40	132,017.60	135,366.40	138,756.80	142,209.60	Annual
	9,725.73	9,966.67	10,219.73	10,472.80	10,734.53	11,001.47	11,280.53	11,563.07	11,850.80	Monthly
	56.11	57.50	58.96	60.42	61.93	63.47	65.08	66.71	68.37	Hourly
103	118,185.60	121,139.20	124,155.20	127,212.80	130,436.80	133,702.40	137,051.20	140,462.40	143,956.80	Annual
	9,848.80	10,094.93	10,346.27	10,601.07	10,869.73	11,141.87	11,420.93	11,705.20	11,996.40	Monthly
	56.82	58.24	59.69	61.16	62.71	64.28	65.89	67.53	69.21	Hourly
104	119,620.80	122,657.60	125,673.60	128,835.20	132,038.40	135,366.40	138,777.60	142,230.40	145,787.20	Annual

FY 2018-2019

VICTOR VALLEY WASTEWATER RECLATION AUTHORITY
SALARY SCHEDULE WITH CPI 2.50%
FY 2019-2020

Range	Step A	Step A1	Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	
	9,968.40	10,221.47	10,472.80	10,736.27	11,003.20	11,280.53	11,564.80	11,852.53	12,148.93	Monthly
	57.51	58.97	60.42	61.94	63.48	65.08	66.72	68.38	70.09	Hourly
105	121,139.20	124,176.00	127,254.40	130,457.60	133,723.20	137,072.00	140,483.20	143,977.60	147,617.60	Annual
	10,094.93	10,348.00	10,604.53	10,871.47	11,143.60	11,422.67	11,706.93	11,998.13	12,301.47	Monthly
	58.24	59.70	61.18	62.72	64.29	65.90	67.54	69.22	70.97	Hourly
106	122,657.60	125,715.20	128,856.00	132,059.20	135,387.20	138,798.40	142,272.00	145,808.00	149,448.00	Annual
	10,221.47	10,476.27	10,738.00	11,004.93	11,282.27	11,566.53	11,856.00	12,150.67	12,454.00	Monthly
	58.97	60.44	61.95	63.49	65.09	66.73	68.40	70.10	71.85	Hourly
107	124,176.00	127,275.20	130,478.40	133,744.00	137,072.00	140,524.80	143,977.60	147,638.40	151,299.20	Annual
	10,348.00	10,606.27	10,873.20	11,145.33	11,422.67	11,710.40	11,998.13	12,303.20	12,608.27	Monthly
	59.70	61.19	62.73	64.30	65.90	67.56	69.22	70.98	72.74	Hourly
108	125,736.00	128,897.60	132,080.00	135,408.00	138,819.20	142,292.80	145,828.80	149,468.80	153,192.00	Annual
	10,478.00	10,741.47	11,006.67	11,284.00	11,568.27	11,857.73	12,152.40	12,455.73	12,766.00	Monthly
	60.45	61.97	63.50	65.10	66.74	68.41	70.11	71.86	73.65	Hourly
109	127,275.20	130,499.20	133,744.00	137,092.80	140,545.60	144,019.20	147,659.20	151,320.00	155,084.80	Annual
	10,606.27	10,874.93	11,145.33	11,424.40	11,712.13	12,001.60	12,304.93	12,610.00	12,923.73	Monthly
	61.19	62.74	64.30	65.91	67.57	69.24	70.99	72.75	74.56	Hourly
110	128,939.20	132,100.80	135,428.80	138,819.20	142,292.80	145,849.60	149,489.60	153,233.60	157,081.60	Annual
	10,744.93	11,008.40	11,285.73	11,568.27	11,857.73	12,154.13	12,457.47	12,769.47	13,090.13	Monthly
	61.99	63.51	65.11	66.74	68.41	70.12	71.87	73.67	75.52	Hourly
111	130,520.00	133,764.80	137,113.60	140,545.60	144,060.80	147,680.00	151,320.00	155,105.60	159,016.00	Annual
	10,876.67	11,147.07	11,426.13	11,712.13	12,005.07	12,306.67	12,610.00	12,925.47	13,251.33	Monthly
	62.75	64.31	65.92	67.57	69.26	71.00	72.75	74.57	76.45	Hourly
112	132,100.80	135,449.60	138,840.00	142,334.40	145,870.40	149,510.40	153,254.40	157,102.40	160,971.20	Annual
	11,008.40	11,287.47	11,570.00	11,861.20	12,155.87	12,459.20	12,771.20	13,091.87	13,414.27	Monthly
	63.51	65.12	66.75	68.43	70.13	71.88	73.68	75.53	77.39	Hourly
113	133,785.60	137,134.40	140,566.40	144,081.60	147,680.00	151,340.80	155,126.40	159,057.60	163,030.40	Annual
	11,148.80	11,427.87	11,713.87	12,006.80	12,306.67	12,611.73	12,927.20	13,254.80	13,585.87	Monthly
	64.32	65.93	67.58	69.27	71.00	72.76	74.58	76.47	78.38	Hourly
114	135,470.40	138,860.80	142,355.20	145,891.20	149,531.20	153,275.20	157,123.20	160,992.00	165,048.00	Annual
	11,289.20	11,571.73	11,862.93	12,157.60	12,460.93	12,772.93	13,093.60	13,416.00	13,754.00	Monthly
	65.13	66.76	68.44	70.14	71.89	73.69	75.54	77.40	79.35	Hourly
115	137,196.80	140,587.20	144,102.40	147,700.80	151,382.40	155,168.00	159,099.20	163,051.20	167,128.00	Annual
	11,433.07	11,715.60	12,008.53	12,308.40	12,615.20	12,930.67	13,258.27	13,587.60	13,927.33	Monthly
	65.96	67.59	69.28	71.01	72.78	74.60	76.49	78.39	80.35	Hourly
116	138,881.60	142,376.00	145,912.00	149,552.00	153,296.00	157,144.00	161,033.60	165,068.80	169,208.00	Annual
	11,573.47	11,864.67	12,159.33	12,462.67	12,774.67	13,095.33	13,419.47	13,755.73	14,100.67	Monthly
	66.77	68.45	70.15	71.90	73.70	75.55	77.42	79.36	81.35	Hourly
117	140,608.00	144,123.20	147,721.60	151,403.20	155,209.60	159,120.00	163,072.00	167,148.80	171,350.40	Annual
	11,717.33	12,010.27	12,310.13	12,616.93	12,934.13	13,260.00	13,589.33	13,929.07	14,279.20	Monthly
	67.60	69.29	71.02	72.79	74.62	76.50	78.40	80.36	82.38	Hourly
118	142,396.80	145,932.80	149,572.80	153,316.80	157,164.80	161,054.40	165,089.60	169,228.80	173,430.40	Annual
	11,866.40	12,161.07	12,464.40	12,776.40	13,097.07	13,421.20	13,757.47	14,102.40	14,452.53	Monthly
	68.46	70.16	71.91	73.71	75.56	77.43	79.37	81.36	83.38	Hourly
119	144,144.00	147,742.40	151,444.80	155,230.40	159,140.80	163,092.80	167,190.40	171,371.20	175,635.20	Annual
	12,012.00	12,311.87	12,620.40	12,935.87	13,261.73	13,591.07	13,932.53	14,280.93	14,636.27	Monthly
	69.30	71.03	72.81	74.63	76.51	78.41	80.38	82.39	84.44	Hourly
120	145,932.80	149,593.60	153,337.60	157,185.60	161,116.80	165,110.40	169,249.60	173,472.00	177,819.20	Annual
	12,161.07	12,466.13	12,778.13	13,098.80	13,426.40	13,759.20	14,104.13	14,456.00	14,818.27	Monthly
	70.16	71.92	73.72	75.57	77.46	79.38	81.37	83.40	85.49	Hourly



VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
Report/Recommendation to the Board of Commissioners

June 20, 2019

FROM: Chieko Keagy, Controller *CK*

TO: Brian Macy, Interim General Manager

SUBJECT: Recommendation to Approve Resolution 2019-12: Inter-Fund Loan of \$1,642,974 from Capital Fund to Operations and Maintenance Fund for the Year Ending June 30, 2020

RECOMMENDATION

It is recommended that the Board of Commissioners approve Resolution 2019-12: Inter-fund loan of \$1,642,974 from Capital Fund to Operations and Maintenance Fund for the year ending June 30, 2020.

REVIEW BY OTHERS

This recommendation was reviewed by Piero Dallarda, Legal Counsel and Internal and External Finance Committees. The attendees for the committee meetings were Jim Cox, Commissioner – City of Victorville; George Harris, City of Victorville; Casey Brooksher, City of Hesperia; and S. Harris, Town of Apple Valley; and Logan Olds, then General Manager of Victor Valley Wastewater Reclamation Authority.

BACKGROUND INFORMATION

During the discussion of FY 2020 budget, the concept of an inter-fund loan was discussed by the External and Internal Finance Committees during meetings held on April 23, 2019, April 30, 2019 and at the Board meeting on May 16, 2019.

FISCAL IMPACT

In order to sustain activities of the Operations and Maintenance Fund and Repairs and Replacement Fund, it is imperative to have an inter-fund loan of \$1,642,974 from the Capital Fund.

RELATED IMPACTS

None

VVWRA
Interfund Loan Payment Schedule
FY 2020

Loan Source:	Capital Fund	Date:	7/1/2019
Loan Recipient:	O&M Fund	Amount:	\$ 1,642,974.00
Resolution No.:	_____	Interest Rate:	2.141%
		Term:	10 Years

Date	No.	Beginning Balance	Principal Due	Interest Due	Total Payment	Ending Balance
7/31/2019	1	\$ 1,642,974.00	\$ 12,290.20	\$ 2,931.34	\$ 15,221.54	\$ 1,630,683.80
8/31/2019	2	1,630,683.80	12,312.13	2,909.41	15,221.54	1,618,371.67
9/30/2019	3	1,618,371.67	12,334.10	2,887.44	15,221.54	1,606,037.57
10/31/2019	4	1,606,037.57	12,356.10	2,865.44	15,221.54	1,593,681.47
11/30/2019	5	1,593,681.47	12,378.15	2,843.39	15,221.54	1,581,303.32
12/31/2019	6	1,581,303.32	12,400.23	2,821.31	15,221.54	1,568,903.09
1/31/2020	7	1,568,903.09	12,422.36	2,799.18	15,221.54	1,556,480.73
2/29/2020	8	1,556,480.73	12,444.52	2,777.02	15,221.54	1,544,036.21
3/31/2020	9	1,544,036.21	12,466.72	2,754.82	15,221.54	1,531,569.49
4/30/2020	10	1,531,569.49	12,488.96	2,732.58	15,221.54	1,519,080.53
5/31/2020	11	1,519,080.53	12,511.25	2,710.29	15,221.54	1,506,569.28
6/30/2020	12	1,506,569.28	12,533.57	2,687.97	15,221.54	1,494,035.71
7/31/2020	13	1,494,035.71	12,555.93	2,665.61	15,221.54	1,481,479.78
8/31/2020	14	1,481,479.78	12,578.33	2,643.21	15,221.54	1,468,901.45
9/30/2020	15	1,468,901.45	12,600.77	2,620.77	15,221.54	1,456,300.68
10/31/2020	16	1,456,300.68	12,623.26	2,598.28	15,221.54	1,443,677.42
11/30/2020	17	1,443,677.42	12,645.78	2,575.76	15,221.54	1,431,031.64
12/31/2020	18	1,431,031.64	12,668.34	2,553.20	15,221.54	1,418,363.30
1/31/2021	19	1,418,363.30	12,690.94	2,530.60	15,221.54	1,405,672.36
2/28/2021	20	1,405,672.36	12,713.59	2,507.95	15,221.54	1,392,958.77
3/31/2021	21	1,392,958.77	12,736.27	2,485.27	15,221.54	1,380,222.50
4/30/2021	22	1,380,222.50	12,758.99	2,462.55	15,221.54	1,367,463.51
5/31/2021	23	1,367,463.51	12,781.76	2,439.78	15,221.54	1,354,681.75
6/30/2021	24	1,354,681.75	12,804.56	2,416.98	15,221.54	1,341,877.19
7/31/2021	25	1,341,877.19	12,827.41	2,394.13	15,221.54	1,329,049.78
8/31/2021	26	1,329,049.78	12,850.29	2,371.25	15,221.54	1,316,199.49
9/30/2021	27	1,316,199.49	12,873.22	2,348.32	15,221.54	1,303,326.27
10/31/2021	28	1,303,326.27	12,896.19	2,325.35	15,221.54	1,290,430.08
11/30/2021	29	1,290,430.08	12,919.20	2,302.34	15,221.54	1,277,510.88
12/31/2021	30	1,277,510.88	12,942.25	2,279.29	15,221.54	1,264,568.63
1/31/2022	31	1,264,568.63	12,965.34	2,256.20	15,221.54	1,251,603.29
2/28/2022	32	1,251,603.29	12,988.47	2,233.07	15,221.54	1,238,614.82
3/31/2022	33	1,238,614.82	13,011.64	2,209.90	15,221.54	1,225,603.18
4/30/2022	34	1,225,603.18	13,034.86	2,186.68	15,221.54	1,212,568.32
5/31/2022	35	1,212,568.32	13,058.12	2,163.42	15,221.54	1,199,510.20
6/30/2022	36	1,199,510.20	13,081.41	2,140.13	15,221.54	1,186,428.79
7/31/2022	37	1,186,428.79	13,104.75	2,116.79	15,221.54	1,173,324.04
8/31/2022	38	1,173,324.04	13,128.13	2,093.41	15,221.54	1,160,195.91
9/30/2022	39	1,160,195.91	13,151.56	2,069.98	15,221.54	1,147,044.35
10/31/2022	40	1,147,044.35	13,175.02	2,046.52	15,221.54	1,133,869.33
11/30/2022	41	1,133,869.33	13,198.53	2,023.01	15,221.54	1,120,670.80
12/31/2022	42	1,120,670.80	13,222.08	1,999.46	15,221.54	1,107,448.72
1/31/2023	43	1,107,448.72	13,245.67	1,975.87	15,221.54	1,094,203.05
2/28/2023	44	1,094,203.05	13,269.30	1,952.24	15,221.54	1,080,933.75
3/31/2023	45	1,080,933.75	13,292.97	1,928.57	15,221.54	1,067,640.78
4/30/2023	46	1,067,640.78	13,316.69	1,904.85	15,221.54	1,054,324.09
5/31/2023	47	1,054,324.09	13,340.45	1,881.09	15,221.54	1,040,983.64
6/30/2023	48	1,040,983.64	13,364.25	1,857.29	15,221.54	1,027,619.39
7/31/2023	49	1,027,619.39	13,388.10	1,833.44	15,221.54	1,014,231.29
8/31/2023	50	1,014,231.29	13,411.98	1,809.56	15,221.54	1,000,819.31
9/30/2023	51	1,000,819.31	13,435.91	1,785.63	15,221.54	987,383.40
10/31/2023	52	987,383.40	13,459.88	1,761.66	15,221.54	973,923.52
11/30/2023	53	973,923.52	13,483.90	1,737.64	15,221.54	960,439.62

VVWRA
Interfund Loan Payment Schedule
FY 2020

Loan Source:	Capital Fund	Date:	7/1/2019
Loan Recipient:	O&M Fund	Amount:	\$ 1,642,974.00
Resolution No.:	_____	Interest Rate:	2.141%
		Term:	10 Years

Date	No.	Beginning Balance	Principal Due	Interest Due	Total Payment	Ending Balance
12/31/2023	54	960,439.62	13,507.96	1,713.58	15,221.54	946,931.66
1/31/2024	55	946,931.66	13,532.06	1,689.48	15,221.54	933,399.60
2/29/2024	56	933,399.60	13,556.20	1,665.34	15,221.54	919,843.40
3/31/2024	57	919,843.40	13,580.39	1,641.15	15,221.54	906,263.01
4/30/2024	58	906,263.01	13,604.62	1,616.92	15,221.54	892,658.39
5/31/2024	59	892,658.39	13,628.89	1,592.65	15,221.54	879,029.50
6/30/2024	60	879,029.50	13,653.20	1,568.34	15,221.54	865,376.30
7/31/2024	61	865,376.30	13,677.56	1,543.98	15,221.54	851,698.74
8/31/2024	62	851,698.74	13,701.97	1,519.57	15,221.54	837,996.77
9/30/2024	63	837,996.77	13,726.41	1,495.13	15,221.54	824,270.36
10/31/2024	64	824,270.36	13,750.90	1,470.64	15,221.54	810,519.46
11/30/2024	65	810,519.46	13,775.44	1,446.10	15,221.54	796,744.02
12/31/2024	66	796,744.02	13,800.02	1,421.52	15,221.54	782,944.00
1/31/2025	67	782,944.00	13,824.64	1,396.90	15,221.54	769,119.36
2/28/2025	68	769,119.36	13,849.30	1,372.24	15,221.54	755,270.06
3/31/2025	69	755,270.06	13,874.01	1,347.53	15,221.54	741,396.05
4/30/2025	70	741,396.05	13,898.77	1,322.77	15,221.54	727,497.28
5/31/2025	71	727,497.28	13,923.56	1,297.98	15,221.54	713,573.72
6/30/2025	72	713,573.72	13,948.41	1,273.13	15,221.54	699,625.31
7/31/2025	73	699,625.31	13,973.29	1,248.25	15,221.54	685,652.02
8/31/2025	74	685,652.02	13,998.22	1,223.32	15,221.54	671,653.80
9/30/2025	75	671,653.80	14,023.20	1,198.34	15,221.54	657,630.60
10/31/2025	76	657,630.60	14,048.22	1,173.32	15,221.54	643,582.38
11/30/2025	77	643,582.38	14,073.28	1,148.26	15,221.54	629,509.10
12/31/2025	78	629,509.10	14,098.39	1,123.15	15,221.54	615,410.71
1/31/2026	79	615,410.71	14,123.54	1,098.00	15,221.54	601,287.17
2/28/2026	80	601,287.17	14,148.74	1,072.80	15,221.54	587,138.43
3/31/2026	81	587,138.43	14,173.99	1,047.55	15,221.54	572,964.44
4/30/2026	82	572,964.44	14,199.28	1,022.26	15,221.54	558,765.16
5/31/2026	83	558,765.16	14,224.61	996.93	15,221.54	544,540.55
6/30/2026	84	544,540.55	14,249.99	971.55	15,221.54	530,290.56
7/31/2026	85	530,290.56	14,275.41	946.13	15,221.54	516,015.15
8/31/2026	86	516,015.15	14,300.88	920.66	15,221.54	501,714.27
9/30/2026	87	501,714.27	14,326.40	895.14	15,221.54	487,387.87
10/31/2026	88	487,387.87	14,351.96	869.58	15,221.54	473,035.91
11/30/2026	89	473,035.91	14,377.57	843.97	15,221.54	458,658.34
12/31/2026	90	458,658.34	14,403.22	818.32	15,221.54	444,255.12
1/31/2027	91	444,255.12	14,428.91	792.63	15,221.54	429,826.21
2/28/2027	92	429,826.21	14,454.66	766.88	15,221.54	415,371.55
3/31/2027	93	415,371.55	14,480.45	741.09	15,221.54	400,891.10
4/30/2027	94	400,891.10	14,506.28	715.26	15,221.54	386,384.82
5/31/2027	95	386,384.82	14,532.17	689.37	15,221.54	371,852.65
6/30/2027	96	371,852.65	14,558.09	663.45	15,221.54	357,294.56
7/31/2027	97	357,294.56	14,584.07	637.47	15,221.54	342,710.49
8/31/2027	98	342,710.49	14,610.09	611.45	15,221.54	328,100.40
9/30/2027	99	328,100.40	14,636.15	585.39	15,221.54	313,464.25
10/31/2027	100	313,464.25	14,662.27	559.27	15,221.54	298,801.98
11/30/2027	101	298,801.98	14,688.43	533.11	15,221.54	284,113.55
12/31/2027	102	284,113.55	14,714.63	506.91	15,221.54	269,398.92
1/31/2028	103	269,398.92	14,740.89	480.65	15,221.54	254,658.03
2/29/2028	104	254,658.03	14,767.19	454.35	15,221.54	239,890.84
3/31/2028	105	239,890.84	14,793.53	428.01	15,221.54	225,097.31
4/30/2028	106	225,097.31	14,819.93	401.61	15,221.54	210,277.38

**VVWRA
Interfund Loan Payment Schedule
FY 2020**

Loan Source:	Capital Fund	Date:	7/1/2019
Loan Recipient:	O&M Fund	Amount:	\$ 1,642,974.00
Resolution No.:	_____	Interest Rate:	2.141%
		Term:	10 Years

Date	No.	Beginning Balance	Principal Due	Interest Due	Total Payment	Ending Balance
5/31/2028	107	210,277.38	14,846.37	375.17	15,221.54	195,431.01
6/30/2028	108	195,431.01	14,872.86	348.68	15,221.54	180,558.15
7/31/2028	109	180,558.15	14,899.39	322.15	15,221.54	165,658.76
8/31/2028	110	165,658.76	14,925.98	295.56	15,221.54	150,732.78
9/30/2028	111	150,732.78	14,952.61	268.93	15,221.54	135,780.17
10/31/2028	112	135,780.17	14,979.29	242.25	15,221.54	120,800.88
11/30/2028	113	120,800.88	15,006.01	215.53	15,221.54	105,794.87
12/31/2028	114	105,794.87	15,032.78	188.76	15,221.54	90,762.09
1/31/2029	115	90,762.09	15,059.61	161.93	15,221.54	75,702.48
2/28/2029	116	75,702.48	15,086.47	135.07	15,221.54	60,616.01
3/31/2029	117	60,616.01	15,113.39	108.15	15,221.54	45,502.62
4/30/2029	118	45,502.62	15,140.36	81.18	15,221.54	30,362.26
5/31/2029	119	30,362.26	15,167.37	54.17	15,221.54	15,194.89
6/30/2029	120	15,194.89	15,194.89	27.11	15,222.00	(0.00)
			<u>\$ 1,642,974.00</u>	<u>\$ 183,611.26</u>	<u>\$ 1,826,585.26</u>	

RESOLUTION NO. 2019-12**RESOLUTION OF THE BOARD OF COMMISSIONERS OF
THE VICTOR VALLEY WASTEWATER RECLAMATION
AUTHORITY TO AUTHORIZE AN INTERFUND LOAN**

WHEREAS, the Victor Valley Wastewater Reclamation Authority (“Authority”) adopted an annual budget for fiscal year 2019-2020 on June 20, 2019;

WHEREAS, the adopted Budget has an Operations and Maintenance deficit of \$1,642,974 is fiscal year 2019-2020;

WHEREAS, in order to reconcile VVWRA's financial information and fund this deficit, funds should be reallocated through an Interfund Loan in the amount of \$1,642,974 from the Capital Fund to the Operations and Maintenance Fund; and,

WHEREAS, the amount for the Interfund Loan is available in the relevant Fund without causing any financial hardship or requiring the current borrowing of additional amounts on the part of VVWRA;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Victor Valley Wastewater Reclamation Authority that the Board resolves to authorize an Interfund Loan in the amount of \$1,642,974 plus accrued interest, subject to a final adjusted amount at an interest rate of five percent, and directs staff and legal counsel to take the appropriate steps to effectuate the Interfund Loan;

IT IS FURTHER RESOLVED that the Interfund Loan should be repaid under the following terms: monthly principal and interest payments shall be made effective July 1, 2019 payable on the last day of each month; and,

IT IS FINALLY RESOLVED that, if necessary in the future, the Loan may be repaid from any instrument of financing that VVWRA may choose to pursue in connection with the expansion and operation of its treatment systems;

APPROVED AND ADOPTED this 20th day of June, 2019.

Robert Lovingood, Chair
VVWRA Board of Commissioners

ATTEST:

APPROVED AS TO FORM:

James Cox, Secretary
VVWRA Board of Commissioners

Piero Dallarda of
Best Best & Krieger LLP, Counsel VVWRA


CERTIFICATION:

I do hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Board of Commissioners held on June 20, 2019.

Kristi Casteel – Clerk of the Board



VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
Report/Recommendation to the Board of Commissioners
 June 20, 2019

FROM: Kristi Casteel, Secretary to the General Manager and Board of Commissioners 

TO: Brian Macy, Interim General Manager

SUBJECT: Recommendation to Approve Resolution No. 2019-11: FY 2019-2020 Holiday Calendar

RECOMMENDATION

It is recommended that the Board of Commissioners approve and adopt Resolution No. 2019-11 to establish the paid holidays for VVWRA employees during fiscal year 2019-2020 which is consistent with the MOU with the Employees Association adopted on December 8, 2016.

REVIEWED BY

This recommendation was reviewed by Brian Macy

BACKGROUND INFORMATION

Each year, the Board of Commissioners approves and adopts a schedule of paid holidays for VVWRA employees. There have been no changes to the holiday calendar since it was last adopted under Resolution No. 2013-12 on May 16, 2013. The holiday calendar was not revised as part of the MOU negotiations with the Employees Association. It is recommended that the Holiday Calendar for FY 2019-2020 be approved and adopted as shown under Resolution 2019-11.

FINANCIAL IMPACT

None.

RELATED IMPACTS

None.

RESOLUTION 2019-11

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY TO APPROVE AND ADOPT A SCHEDULE OF PAID HOLIDAYS FOR FISCAL YEAR 2019-2020

FY 2019-2020 HOLIDAY CALENDAR

Holiday:	Non-Operations Staff:	Operations Staff:
Independence Day	July 4, 2019 (Thursday)	July 4, 2019 (Thursday)
Labor Day	September 2, 2019 (Monday)	September 2, 2019 (Monday)
Veterans Day	November 11, 2019 (Monday)	November 11, 2019 (Monday)
Thanksgiving Day	November 28, 2019 (Thursday)	November 28, 2019 (Thursday)
Day after Thanksgiving	November 29, 2019 (Friday)	November 29, 2019 (Friday)
Christmas Eve	December 24, 2019 (Tuesday)	December 24, 2019 (Tuesday)
Christmas Day	December 25, 2019 (Wednesday)	December 25, 2019 (Wednesday)
New Year's Eve	December 31, 2019 (Tuesday)	December 31, 2019 (Tuesday)
New Year's Day	January 1, 2019 (Wednesday)	January 1, 2019 (Wednesday)
Martin Luther King Day	January 20, 2019 (Monday)	January 20, 2019 (Monday)
President's Day	February 17, 2019 (Monday)	February 17, 2019 (Monday)
Memorial Day	May 25, 2019 (Monday)	May 25, 2019 (Monday)
Floating Holiday (1)		

ADOPTED and APPROVED by the Board of Commissioners on this 20th day of June, 2019.

Robert Lovingood , Chair
VWRA Board of Commissioners

ATTEST:

James Cox, Secretary
VWRA Board of Commissioners

APPROVED AS TO FORM:

Piero C. Dallarda, a Partner of
Best Best & Krieger LLP
Counsel, VWRA



VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
Report/Recommendation to the Board of Commissioners
 June 20, 2019

FROM: Brian Macy, Interim General Manager
TO: Board of Commissioners
SUBJECT: Cancellation of June 27, 2019 Board Meeting

RECOMMENDATION

It is recommended that the Board of Commissioners cancel the regularly scheduled June 27, 2019 Board Meeting if the Board adopts the FY 2019-20 Budget at the regular meeting held on June 20, 2019.

REVIEWED BY

This recommendation was reviewed by Piero Dallarda, Legal Counsel

BACKGROUND INFORMATION

VVWRA schedules two Board meetings in June to allow for any last minute changes to the Budget for the next fiscal year. If the Board adopts the fiscal year 2019-20 budget on June 20, 2019 staff recommends cancelling the June 27, 2019 Board Meeting.

FINANCIAL IMPACT

None.

RELATED IMPACTS

None.

Victor Valley Wastewater Reclamation Authority



Financial and Cash Report

May 2019

Victor Valley Wastewater Reclamation Authority
CASH AND RESERVE SUMMARY
 May 31, 2019

G/L Account	Description	Balance	
1000	DCB Checking Account	\$ 1,105,023	
1030	DCB Sweep Account	1,738,196	
1075	Cal TRUST	6,297,518	
1070	LAIF	2,842,833	\$65 mil Max
	Total Cash	\$ 11,983,570	

Reserves:	Current Balance	Restricted	Assigned	Not Assigned
Targeted Capital Reserve	\$ -	\$ -	\$ -	\$ -
O&M Reserve: 10% of Prior Year Budgeted Operating Expenses	1,435,970		1,435,970	
R&R Reserve: 1% of Land Improvements/Plants/Interceptors PY CAFR	2,954,450		2,954,450	
Reserve for SRF Payments (P& I) - Operating	2,761,133	2,761,133		
Reserve for SRF Payments (P& I) - Capital	2,386,726	2,386,726		
Available for O&M	2,445,291	-		
Total Cash	\$ 11,983,570	\$ 5,147,859	\$ 4,390,420	\$ -

Note 1: ACCUMULATION FOR SRF LOAN PAYMENTS:

	9.5 MGD, 11.0 MGD, NAVI, Phase III-A	Upper Narrows Replacement	Nanticoke Bypass	Sub- Regional Apple Valley	Sub- Regional Hesperia	Total
Reserve for SRF Payments (P& I) - Operating	\$ 782,104	257,745	203,725	625,220	892,339	\$ 2,761,133
Reserve for SRF Payments (P& I) - Capital	1,348,576	-	67,908	399,731	570,512	2,386,726
	\$ 2,130,680	257,745	271,633	1,024,951	1,462,850	\$ 5,147,859

Payment Month:

9.5 MGD	September
11.0 MGD	April
NAVI	February
Phase III-A	June
Upper Narrows Replacement	December
Nanticoke	June
Subregional - AV	February
Subregional - HES	February

Victor Valley Wastewater Reclamation Authority
Flow Study
For the Month Ended April 30, 2019

Measured by ADS	Percentage of Total %	April Monthly MG
VSD 1 (less North Apple Valley)	6.5358%	22.7870
VSD 2	14.1693%	49.4010
VSD 3	24.6629%	85.9870
VSD 4	6.5252%	22.7500
VSD 5	0.5966%	2.0800
VSD 6	7.0383%	24.5390
VSD Total	59.5281%	207.5440
Apple Valley 01	10.1425%	35.3617
Apple Valley 02	5.7261%	19.9640
Apple Valley North	0.0763%	0.2660
Apple Total	15.9449%	55.5917
Hesperia	19.0321%	66.3550
CSA 64 SVL	4.9035%	17.0960
CSA 42 Oro Grande	0.5914%	2.0620
CSA Total	5.4949%	19.1580
Total Apportioned Flow	100.0002%	348.6487
Mojave Narrows Regional Park		0.1000
Total Study Flow		348.7487

Victor Valley Wastewater Reclamation Authority
Statement of Net Position
May 31, 2019

<i>Assets and Deferred Outflows of Resources</i>	2019
Current assets:	
Cash and cash equivalents	\$ 12,437,533
Interest receivable	12,516
Accounts receivable	2,337,024
Receivable from FEMA Grants	3,679,746
Accounts receivable - Other	15,179
Allowance for Doubtful Accounts	(89,459)
Materials and supplies inventory	83,104
Prepaid expenses and other deposits	167,182
Total current assets	18,642,825
Fixed assets:	
Capital assets not being depreciated	3,164,250
Capital assets being depreciated	189,790,264
Total capital assets	192,954,514
Total assets	211,597,339
Deferred outflows of resources	
Deferred outflows of resources - pension	1,742,472
Total	\$ 213,339,811
<i>Liabilities, Deferred Inflows of Resources, and Net Position</i>	
Current liabilities:	
Accounts payable and accrued expenses	\$ 605,848
Accrued interest on long-term debt	275,043
Long-term liabilities - due within one year:	
Compensated absences	48,647
Loans payables	1,849,149
Other payables	6,852
Total current liabilities	2,785,539
Non-current liabilities:	
Long-term liabilities - due in more than one year:	
Compensated absences	239,372
Other post employment benefits payable	2,285,368
Loans payable	82,826,605
Net Pension Liability	5,750,574
Other payables	348,323
Total non-current liabilities:	91,450,242
Total liabilities	94,235,781
Deferred inflows of resources	
Deferred inflows of resources - pension	89,437
Net position:	
Net investment in capital assets	122,731,832
Restricted for SRF loan covenant	5,285,091
Unrestricted	(528,516)
Decrease in net position FY 19	(8,473,814)
Total net position	119,014,593
Total	\$ 213,339,811

Victor Valley Wastewater Reclamation Authority
Revenues and Expenses
Operations and Maintenance
For the Month Ended May 31, 2019

	Actual May 2019	YTD Actual FY 18-19	Approved Budget FY 18-19
REVENUES			
User Charges	\$ 1,150,922	\$ 12,474,973	\$ 13,661,700
Sludge Flow Charge	9,752	95,426	120,000
High Strength Waste Surcharges	-	22,403	20,000
ADM FOG Tipping Fee Revenue	23,073	252,149	200,000
Septage Receiving Facility Charges	61,103	565,026	550,000
Reclaimed Water Sales	464	6,856	25,000
Potable Well Water Sales	53	574	-
Leased Property Income	50	550	-
Interest	115	1,297	-
Pretreatment Fees	2,900	49,400	50,000
Finance Charge	-	-	-
Grant - FEMA/Cal-EMA	-	-	-
Grant - Proposition 1	-	-	-
Grant- Water Recycling	-	-	-
Grant- CEC Microgrid	-	-	-
Sale of Assets, Scrap, & Misc Income	3,000	4,705	1,200
Total REVENUES	\$ 1,251,432	\$ 13,473,359	\$ 14,627,900
EXPENSES			
Personnel	\$ 393,073	\$ 4,088,032	\$ 4,080,784
Maintenance	67,172	1,399,825	2,194,767
Operations	176,308	2,555,284	3,151,072
Administrative	86,057	1,705,138	2,183,749
Construction	46,691	161,015	-
Total EXPENSES	\$ 769,301	\$ 9,909,294	\$ 11,610,372
Revenues over Expenses before Depreciation, Debt Service and Transfers	\$ 482,131	\$ 3,564,065	\$ 3,017,528
Depreciation Expense	(1,032,279)	(11,403,609)	-
FEMA CalOES Retention	\$ -	\$ -	\$ 747,034
DEBT SERVICE			
SRF Principal	\$ -	\$ -	\$ 2,094,805
SRF Interest	-	447,196	762,842
	\$ -	\$ 447,196	\$ 2,857,647
FUND TRANSFERS IN			
Salary/Benefits Charge from Capital	\$ 8,930	\$ 96,942	-
Admin Charge from Capital	3,393	36,838	-
Total FUND TRANSFERS IN	\$ 12,323	\$ 133,780	\$ -
FUND TRANSFERS OUT			
Transfer to Repairs and Replacements Fund	\$ -	\$ -	\$ 2,749,326
Inter-fund loan payment to Capital	-	-	-
Total FUND TRANSFERS OUT	\$ -	\$ -	\$ 2,749,326
Excess Revenues Over Expenses	\$ (537,825)	\$ (8,152,960)	\$ (1,842,411)

Victor Valley Wastewater Reclamation Authority
Revenues and Expenditures
Repairs and Replacement
For the Month Ended May 31, 2019

	Actual May 2019	YTD Actual FY 18-19	Approved Budget FY 18-19
REVENUES			
R&R Revenues	\$	\$	\$
Total REVENUES	-	-	-
OTHER FINANCING SOURCES			
SRF Loan Funding	\$	\$	\$
	-	-	-
CAPITAL EXPENSES			
Personnel	\$	-	\$
Maintenance	68,691	539,005	1,204,326
Operations	-	20,433	25,000
Administrative	-	85,507	150,000
Construction	21,832	1,186,175	1,370,000
Total CAPITAL EXPENSES	\$ 90,523	\$ 1,831,120	\$ 2,749,326
Revenues over Expenses before Debt Service and Transfers	\$ (90,523)	\$ (1,831,120)	\$ (2,749,326)
FUND TRANSFERS IN			
Transfer from Operations and Maintenance Fund	\$	-	\$ 2,749,326
Interfund Loan Payment from O&M	-	-	-
Total FUND TRANSFERS IN	\$ -	-	\$ 2,749,326
FUND TRANSFERS OUT			
Salary/Benefits Charge to O & M	\$	-	\$
Admin Charge to O & M	-	-	-
Total FUND TRANSFERS OUT	\$ -	-	\$ -
Excess Revenues Over Expenses	\$ (90,523)	\$ (1,831,120)	\$ -

Accrual Basis

Victor Valley Wastewater Reclamation Authority
Revenues and Expenditures
CAPITAL
For the Month Ended May 31, 2019

	Actual May 2019	YTD Actual FY 18-19	Approved Budget FY 18-19
REVENUES			
Connection Fees	\$ 40,000	\$ 1,773,793	\$ 2,000,000
Title 16 Grant - Subregional	-	-	-
Grant- Water Recycling	-	-	-
Sale of Assets, Scrap, & Misc Income	-	-	-
Interest	19,192	189,858	35,000
Proposition 1 Grant	-	-	-
Proposition 84 Grant	-	-	-
FMV Adjustment	12,339	52,223	-
CEC Microgrid Grant	-	24,616	-
Grant - FEMA/Cal-EMA	-	-	3,105,375
Total REVENUES	\$ 71,531	\$ 2,040,490	\$ 5,140,375
CAPITAL EXPENSES			
Personnel	\$ -	-	\$ 378,554
Maintenance	-	-	-
Operations	-	-	170
Administrative	-	(2,054)	-
Construction	-	62,400	430,000
Total CAPITAL EXPENSES	\$ -	\$ 60,346	\$ 808,724
Revenues over Expenses before Debt Service and Transfers	\$ 71,531	\$ 1,980,144	\$ 4,331,651
DEBT SERVICE			
SRF Principal	\$ -	-	\$ 2,002,675
SRF Interest	-	336,098	437,219
	\$ -	\$ 336,098	\$ 2,439,894
FUND TRANSFERS IN			
Capital Recovery - Septage from O&M	\$ -	-	\$ -
Interfund Loan Payment from O&M	-	-	-
Total FUND TRANSFERS IN	\$ -	\$ -	\$ -
FUND TRANSFERS OUT			
Salary/Benefits Charge to O & M	\$ 8,930	\$ 96,942	\$ -
Admin Charge to O & M	3,393	36,838	-
Total FUND TRANSFERS OUT	\$ 12,323	\$ 133,780	\$ -
Excess Revenues Over Expenses	\$ 59,208	\$ 1,510,266	\$ 1,891,757

Accrual Basis

Victor Valley Wastewater Reclamation Authority



Operations and Maintenance Report

May 2019

VWRA O&M Monthly Report – May 2019

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**Victor Valley Wastewater Reclamation Authority
Operations and Maintenance Report
May 2019**

TO: Robert Deloach, General Manager

FROM: Operations & Maintenance Staff

SUBJECT: OPERATIONS/MAINTENANCE REPORT

DATE: May 04, 2019

The following information details the operation of the Victor Valley Wastewater Reclamation Authority Facility. Included in this report is pertinent information regarding flows, process control information, process sampling, permit requirements, operations activities, and facility maintenance activities. This report is based on O&M activities for May 2019.

	Total	Average
Effluent to Mojave	168.422	5.433
Effluent to Ponds	168.4513	5.4339

	Limit
Biochemical Oxygen Demand (BOD) Effluent to Mojave	10 mg/l
Percent Removal	<4.84
	>98.598

	Limit
Total Suspended Solids (TSS) Effluent to Mojave	10 mg/l
Percent Removal	<2.0
	>99.608

	Limit
Turbidity 30 Day Average	2.0 ntu
	0.4

Major Operations Activities

Headworks

The Headworks area operated as intended throughout the months with normal equipment maintenance performed on a weekly basis.

Primary Treatment

Overall removal efficiency of the primary clarifiers was 46.67% removal of influent BOD and 71.41% removal of TSS. Typical operating parameters are 25 to 35 percent removal of BOD and 50 to 60 percent removal of TSS. The primary sludge concentration averaged 3.13% total solids at 72,060 gallons per day.

Primary clarifiers: #1,#2 ,#3, #5, #6 are currently online and continue to treat all incoming flow. Primaries #4 remained offline for the month. With two clarifiers off line, the remaining 6 primary clarifiers are capable of treating peak flows up to 20 MGD.

The digester gas conditioning system remains online. The system will prevent premature wear and tear on engines #2 & #3 by removing siloxanes by the addition of ferric chloride. The system increases fuel pressure to the blower gas system, allowing for more output from the blower engine. Digester #4 and 5 gas is mixed and sent to the gas conditioning system. This all but eliminates the use of Natural gas to run engines #2 and #3.

Staff continues to add ADM/ Grease to Daft #3 from Primaries and truck deliveries where it is the then feed it to Digesters #4 and #5. This operation is assisting in additional grease removal from the primary clarifiers and increased gas production in the anaerobic digesters.

Secondary Process

Secondary Clarifiers #1 thru #6 are currently offline, not needed at this time.

Aeration basins #1 thru 12 have been retrofitted with the new Aquarius diffusers and are currently performing very well reducing the RPM's on the Piller blower. Currently basins #1-6 and 7-12 are online.

Piller #1 is supplying air to basins #1-6, mixed liquor channel and aerated grit chamber. Piller #6 is supplying air to AB's #7-12.

Staff continues to monitor the solids under aeration and SVI to compare against the SRT Master Control Program. The SRT Master program is performing well. The secondary process has been performing well as a result of the SRT Master Control Program. Weekly Nitrogen studies performed by VVWRA staff produced results below regulatory requirements.

Thioguard was not used during the month.

Secondary turbidity averaged 1.56 (NTU) during the month of May 2019
The 30 minute settleometer test averaged 151 mL/L.
The average "pop time" of the MLSS was >91 min.

Percolation Ponds

South percolation ponds #8, #10, #11, #12 and #13 were used and rotated during the month. South Percolation Pond #7 is offline and out of rotation.

All Percolation Pond freeboard level requirements have been met during the month. All ponds are being rotated on a daily basis. Percolation Pond #6 remains off line and drained to minimal levels. No flow seepage has been observed. The north percolation ponds were used sparingly during the month.

Tertiary Filters

Aqua Diamond Filters #1 and #2 were utilized for the month of May. Filter Effluent average Turbidity of 0.46 NTU.

Solids

Staff has been operating Digester #4 and #5 at predetermined sludge levels which is controlled by the

SCADA system.

VVWRA received 573,397 gallons of ADM (Anaerobically Digestible Material) and FOG (Fats Oil and Grease). Total is comprised of 515,000 gallons of ADM and 58,067 gallons of FOG.

A Total 22,309,639 day of gas was created by digesters #4 and 5 for the month of May 2019.

That is an average gas production of 719,666 cf/day.

Digester #4 averaged 369,097cf/day.

Digester #5 averaged 350,569cf/day.

Digester Volatile Acid/Alkalinity averaged 0.013 for the month.

Ultra Violet Disinfection (UV)

The UV system is currently operating via one channel mode.

Monthly UV intensity probe and flow meter calibration checks were performed.

Permit Continuous Monitoring Requirements and Permit Violations

All permit required, continuous monitoring equipment was on-line, in calibration and working properly during the month.

Date of last reportable incident: March 10, 2015

Days since last reportable incident: 1,543 days

Discharge Sampling

All required samples during the month of May 2019 were collected and processed as scheduled.

Miscellaneous

Maintenance Activities

CMMS Work Order Activity

VVWRA O&M Monthly Report – May 2019

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VVWRA KPI Report6/6/2019
12:08 PM

5/1/2019 - 5/31/2019

KPI	Count	Percent
Planned Work Total	343	
Planned Work Completed	333	97.08%
Planned Work Completed On-Time	300	87.46%
Planned Work Incomplete	10	2.92%
Planned Work Completed Late	35	10.20%
Total Work Completed	778	
Reactive Work Completed	125	16.07%
PM Work Completed	547	70.31%

Safety

1. Monthly Vehicle Safety Inspections completed.
2. Monthly gas tech monitor inspections completed.
3. Monthly Eyewash safety showers inspected.
4. Monthly SCBA inspections.
5. Hazardous storage area inspection.
6. Spill kit inspections.
7. Fall protection refresher training.

Preliminary Process

1. Aqua Guard pre-treatment screen inspected and serviced.
2. Headwork's Conveyor Belt Lube & Inspect.
3. Grit classifier monthly lube.
4. Grit pumps 6 month repack.

 VVWRA O&M Monthly Report – May 2019

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Primary Process

1. All PH and conductivity probes cleaned and calibrated.
2. Influent PH and conductivity probe calibrations complete.
3. Primary clarifiers 3 shear pin replacement.
4. Helical skimmers drain line jetting.

Secondary Process

1. Piller blowers 1 & 6 weekly inspections complete.
2. Service Air compressors inspection and service completed.
3. Waukesha engines inspections.
4. Piller #1 and #6 Filters Replacement.
5. Ongoing cleaning of secondary #5.

Tertiary

1. Monthly gear box and platform drive wheel service complete
2. Filter #1 & #2 monthly platform gear box PM's comp
3. Monthly festoon inspection.
4. Filter #1 & #2 monthly backwash wasting pumps oil checks complete

5. All PH and conductivity probes cleaned and calibrated.
6. Replaced Aqua diamond filter wheel bearing assembly.

Ultra Violet Disinfection (UV)

1. PH and conductivity probes cleaned and calibrated
2. UVT probe calibrated
3. UV Compliance sample pumps foot valve cleaning.
4. UV MCC filters cleaning.
5. UV blower oil change completed.
6. UV compressor intercooler replacement.

Treatment Disposal

1. DAFT #1 and #2 Air Compressors 1&2 PM services complete.
2. DAFT monthly lube.
3. Digester 1-3 ongoing repairs.
4. Drying beds repairs 2&1.
5. Digester 4&5 blower motor replacement.
6. Digester 1-3 sump pumps repack.

Miscellaneous Plant

1. Emergency generator monthly test.
2. Monthly Blower buildings AHU filter replacement.

G/CHP 1&2

1. Monthly UREA refill completed CHP #1 & #2

2. CHP1&2 differential pressure readings taken within normal range, Gas DP pressure collected within normal range.
3. Monthly gas samples collected.

Gas Conditioning Skid

1. Monthly gas sampling collected.
2. Monthly gas conditioning skid inspection.

OGPS

1. Monthly Generator Test completed.

Hesperia WRP

1. Plant generator test completed.
2. Equipment inspection for startup.
3. UV maintenance service completed.
4. UV bypass strainer installation completed.
5. Air scrubber monthly lube.

Hesperia LS

1. Plant generator test completed.
2. HLS wet well cleaning.
3. Wet well blower installation completed.

AVWRP

1. Plant generator test completed.

VVWRA O&M Monthly Report – May 2019

2. Monthly air scrubber blower lube.
- 3.

AVPS OTOE LS

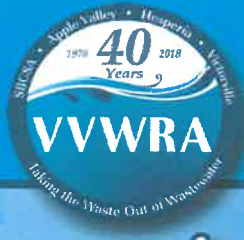
1. Monthly Emergency generator test.
2. LS Derag pump #1

OFFROAD EQUIPMENT

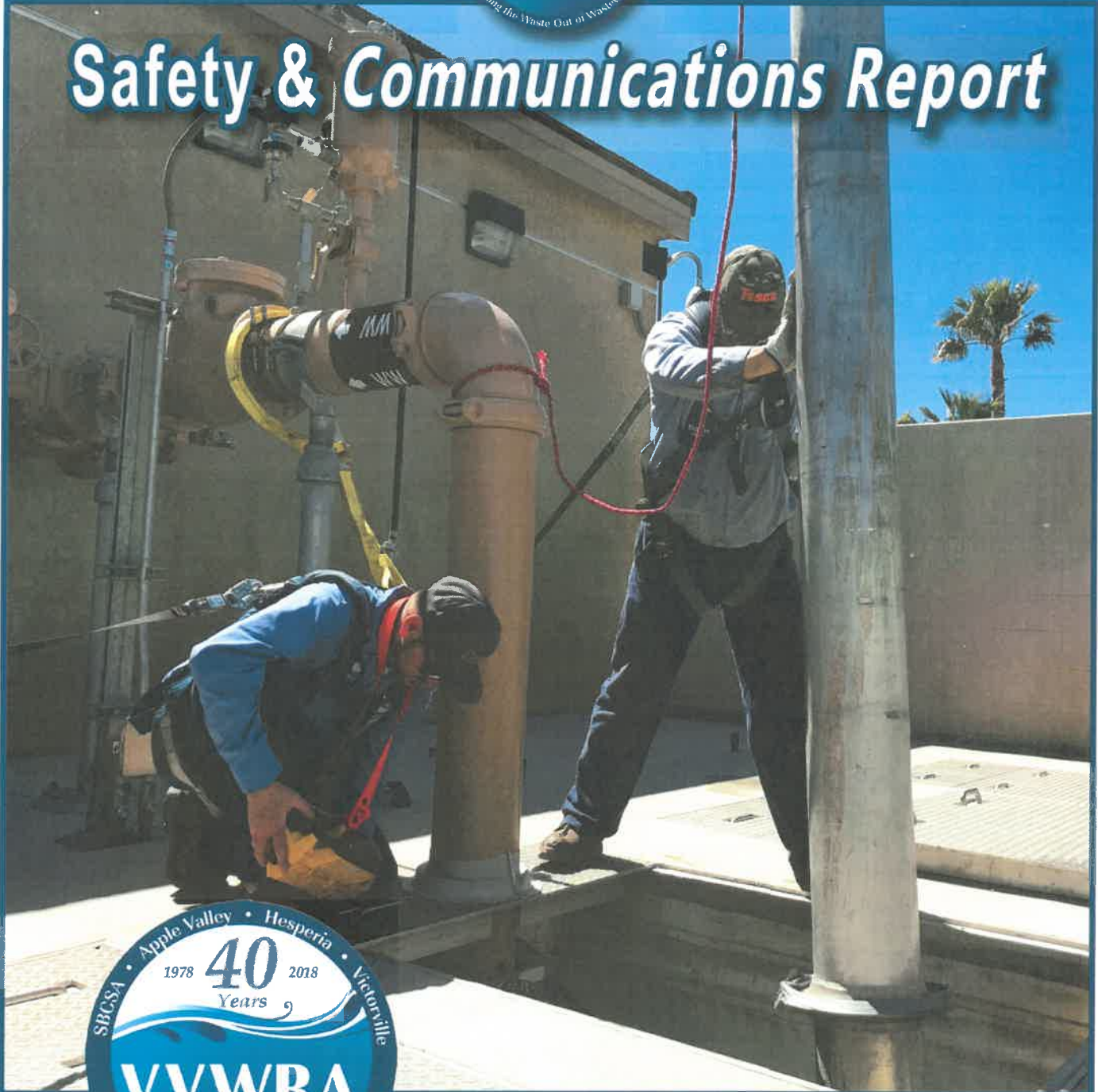
1. Brown Bear weekly PM's completed.
2. JCB front loader weekly PM's complete.

FLEET

1. Monthly fleet inspections completed pumps, vehicles, hose reel trailer, light towers.



Safety & Communications Report



May 2019



Safety

STAFF SAFETY TAILGATE/ORIENTATION

- May 2--Preventing back injuries



- May 9--at risk behavior

- May 13--Driving angry



- May 23--Slips, trips and falls

- May 30--Evacuations procedures





Safety

SAFETY EVENTS/ TRAINING

- Safety tailgates
- Daily, weekly and monthly plant inspections
- Fire extinguisher training
- Fall Protection

UNSAFE CONDITIONS REPORTED/RESOLVED

DATE OF LAST RECORDABLE ACCIDENT/INJURY:
APRIL 22, 2019

DAYS SINCE LAST RECORDABLE ACCIDENT/INJURY:
39 DAYS



Safety

NEXT MONTH'S SCHEDULE OF STAFF TRAINING/SAFETY EVENTS :

- Safety Tailgates will be conducted at the Thursday weekly staff briefings.
- Safety Tailgates will be conducted at the monthly Administrative staff meetings.
- Electrical safety refresher
- Fit test and hearing exams.
- First Aid CPR

Communications

- Presented \$2000.00 check to VVC Foundation. The donation was made on VWRA's behalf from ERDT Envision as a thank you for the multiple plant tours we have given to their Chinese ex-
- Maintained VWRA website and social media sites including Facebook & Twitter.

