

AGENDA

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

**MEETING DATE: Thursday, July 18, 2019 TIME: 8:00 AM (Closed Session)
9:00 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. VWRA, Case No. CIVDS 1822066

CONFERENCE WITH LEGAL COUNSEL-PUBLIC EMPLOYEE APPOINTMENT (Gov. Code Sec. 54957):

4. General Manager

REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

REPORT FROM CLOSED SESSION

PUBLIC COMMENTS – REGULAR SESSION AGENDA

ANNOUNCEMENTS AND CORRESPONDENCE:

- 5. Possible conflict of interest issues**

CONSENT CALENDAR:

- 6. Approve June 2019 Disbursement Registers**
- 7. Approve Minutes from the June 20, 2019 Regular Meeting**

REPORTS & PRESENTATIONS:

- 8. Presentation: 2019-2020 Budget (Keagy)**

PUBLIC HEARING:

- 9. Adoption of Fiscal Year 2019-2020 Budget**

ACTION & DISCUSSION ITEMS:

- 10. Resolution 2019-10 Adopt FY 2019-2020 Budget**
- 11. Recommendation to Approve Hesperia Lift Station Wet Well Pump Replacement**
- 12. Recommendation to Approve Agreement with DeLoach & Associates**
- 13. Election of Officers**
- 14. Resolution 2019- 13 Appreciation of Dedicated Service**

STAFF/PROFESSIONAL SERVICES REPORTS:

- 15. Financial and Investment Report – June 2019**

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- 16. Operations & Maintenance Report – June 2019**
- 17. Environmental Compliance Department Reports – June 2019**
- 18. Septage Receiving Facility Reports – June 2019**
- 19. Safety & Communications Report – June 2019**

NEXT VVWRA BOARD MEETING:

Thursday, August 15, 2019 - Regular Meeting of the Board of Commissioners

FUTURE AGENDA ITEMS

USDA Loan and Grant for the Oro Grand Interceptor Project

O&M Building Extension

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: July 2, 2019
TO: Brian Macy
 Interim 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 JUNE 2019, check numbers 122535-122598 and ACH's.

<i>Accounts Payable</i>			
<i>Checks</i>	<i>ACH's and EFT's</i>	<i>Payroll</i>	<i>Total</i>
\$201,214.93	\$2,089,693.26	\$274,011.52	\$2,564,919.71

Victor Valley Reclamation Authority
Cash Disbursement Register
From 6/1/19 through 6/30/19

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Matchin Document Number	Check Amount
122535	6/6/2019	6/6/2019	01	Alliant Insurance Services	Crime Insurance	ACIP303	\$ 998.00
122536	6/6/2019	6/6/2019	01	Liberty Utilities- Apple Valley Ranchos Water	AV Subregional Water Usage	052919	\$ 94.38
122537	6/6/2019	6/6/2019	01	Atmospheric Analysis And Consulting, Inc	Analysis and Reporting	A-19857	\$ 1,385.00
122538	6/6/2019	6/6/2019	01	Bear State Pump	Sulzer Replacement Pump	25866	\$ 29,015.52
122539	6/6/2019	6/6/2019	01	Larry Bird	Commissioner Stipend	BIR050119	\$ 100.00
122540	6/6/2019	6/6/2019	01	California Board Of Accountancy	Wang's CPA License Renewal	126075-2020	\$ 120.00
122541	6/6/2019	6/6/2019	07	Ced	Strut for Digester 4-5 Project	9085-685107	\$ 1,341.49
122542	6/6/2019	6/6/2019	01	James Cox	Commissioner Stipend	COX050119	\$ 100.00
122542	6/6/2019	6/6/2019	01	James Cox	Commissioner Stipend	COX051619	\$ 100.00
122542	6/6/2019	6/6/2019	01	James Cox	Commissioner Stipend	COX060519	\$ 100.00
122543	6/6/2019	6/6/2019	01	Fisher Scientific	Vacuum Pump	4583418	\$ 58.48
122544	6/6/2019	6/6/2019	01	Flo-Systems, Inc.	Otoe Lift Station Replacement Pump	F17438-18N305	\$ 46,690.89
122545	6/6/2019	6/6/2019	01	Flyers Energy, Llc	Gasoline	CFS-1937740	\$ 1,499.04
122546	6/6/2019	6/6/2019	01	Heritage Environmental Services, L.L.C.	Hazardous Waste Disposal	1950042	\$ 1,363.08
122547	6/6/2019	6/6/2019	01	Hi-Desert Communications	Site Rent	38442	\$ 100.00
122548	6/6/2019	6/6/2019	01	High Desert Backflow	Main Plant Backflow Testing	9513	\$ 450.00
122549	6/6/2019	6/6/2019	01	Robert Lovingood	Commissioner Stipend	LOV050119	\$ 100.00
122549	6/6/2019	6/6/2019	01	Robert Lovingood	Commissioner Stipend	LOV051619	\$ 100.00
122549	6/6/2019	6/6/2019	01	Robert Lovingood	Commissioner Stipend	LOVI060519	\$ 100.00
122550	6/6/2019	6/6/2019	01	Napa Victorville	Colorado Brakes	193301	\$ 233.79
122550	6/6/2019	6/6/2019	01	Napa Victorville	Credit NAPA000 190413	190413	\$ (36.00)
122551	6/6/2019	6/6/2019	01	Scott Nassif	Commissioner Stipend	NAS050119	\$ 100.00
122551	6/6/2019	6/6/2019	01	Scott Nassif	Commissioner Stipend	NAS051619	\$ 100.00
122551	6/6/2019	6/6/2019	01	Scott Nassif	Commissioner Stipend	NASS060519	\$ 100.00
122552	6/6/2019	6/6/2019	01	Orkin	Hesperia Subregional Pest Control	183693044	\$ 150.00
122553	6/6/2019	6/6/2019	01	Parkson Corporation	Parkson Aqua Guard Screen Part	ARI/51025063	\$ 29,707.75
122554	6/6/2019	6/6/2019	01	Patrick Griffith	MDAQDM Meeting and Emissions Memo	101	\$ 1,680.34
122555	6/6/2019	6/6/2019	01	Piller Tsc Corp	PILLER Pressure Sensors and Spare Unit	40808	\$ 2,000.00
122556	6/6/2019	6/6/2019	01	Ptc Inc	I/O Server for Ignition	10377595	\$ 2,338.60
122557	6/6/2019	6/6/2019	01	Safety-Kleen Systems Inc.	Parts Washer Service	79958896	\$ 1,305.04
122558	6/6/2019	6/6/2019	01	Sparkletts Drinking Water	Bottled Water	14877093 052619	\$ 1,358.64
122559	6/6/2019	6/6/2019	07	Swains Electric Motor Service	Electric Motor Repair	B07977	\$ 1,917.68
122559	6/6/2019	6/6/2019	07	Swains Electric Motor Service	Motor Repair	B07980	\$ 2,061.85
122560	6/6/2019	6/6/2019	01	Town & Country Tire	Fleet New Tires	258984	\$ 742.87
122561	6/6/2019	6/6/2019	01	Cintas Corporation	First Aid Supplies	5013766341	\$ 457.61
122562	6/13/2019	6/13/2019	01	World Oil Environmental Services	Used Oil Service	1500-00446510	\$ 75.00
122563	6/13/2019	6/13/2019	01	Larry Bird	Commissioner Stipend	BIRD061019	\$ 100.00
122564	6/13/2019	6/13/2019	01	G.A. Osborne Pipe & Supply	Piping Material	399444	\$ 455.43
122564	6/13/2019	6/13/2019	01	G.A. Osborne Pipe & Supply	Piping Material	399457	\$ 116.71
122564	6/13/2019	6/13/2019	01	G.A. Osborne Pipe & Supply	Piping Material	399467	\$ 31.20
122565	6/13/2019	6/13/2019	07	Jericho Systems, Inc.	Desert Knolls Wash Environmental CM	18-VVWRA-02-08	\$ 5,828.55
122566	6/13/2019	6/13/2019	01	Jpr Systems, Inc.	DAF Air Compressor	27677	\$ 1,180.77
122567	6/13/2019	6/13/2019	01	Kona Ice	Kona Ice Truck - Service Award	06112019	\$ 225.00
122568	6/13/2019	6/13/2019	01	Robert Lovingood	Commissioner Stipend	LOVI061019	\$ 100.00
122569	6/13/2019	6/13/2019	01	Scott Nassif	Commissioner Stipend	NASS061019	\$ 100.00
122570	6/13/2019	6/13/2019	01	Orkin	Pest Control	184647649	\$ 400.38
122571	6/13/2019	6/13/2019	01	Robertson'S Ready Mix, Ltd	Concrete Delivery	464228	\$ 1,530.05
122572	6/13/2019	6/13/2019	01	Swrcb	Contract Operator Registration	061119	\$ 425.00
122573	6/13/2019	6/13/2019	01	Town & Country Tire	New Colorado Tire	259106	\$ 148.01
122574	6/13/2019	6/13/2019	01	Blaine Tech Services, Inc.	Field Testing and Sampling	2BLRS-190422BN1	\$ 6,942.00
122574	6/13/2019	6/13/2019	01	Blaine Tech Services, Inc.	Field Testing and Sampling	2BLRS-190423 API	\$ 3,363.00
122574	6/13/2019	6/13/2019	01	Blaine Tech Services, Inc.	Field Testing and Sampling	2BLRS-190424BN1	\$ 3,537.40
122575	6/17/2019	6/17/2019	01	Donna Anthony	Retiree Health Benefit Allowance	ANTH061719	\$ 435.00
122576	6/17/2019	6/17/2019	01	Dan Sentman	Retiree Health Benefit Allowance	SENT061719	\$ 224.41
122577	6/18/2019	6/18/2019	01	A.D.P.	Ez Labor Outstanding Invoices	06102019	\$ 1,440.30
122578	6/20/2019	6/20/2019	01	American Crane Training & Consulting	Crane Operator Exam - Swatzell	CCO 747-13085	\$ 741.20
122579	6/20/2019	6/20/2019	01	Allied Electronics Inc	Light Tower	10227855	\$ 475.52
122580	6/20/2019	6/20/2019	01	All Pro Pest Control	Weed Abatement	061719	\$ 880.00
122581	6/20/2019	6/20/2019	01	Applied Industrial Technologies	Bearings & Spacers	7016415820	\$ 219.29
122581	6/20/2019	6/20/2019	01	Applied Industrial Technologies	Bearings & Spacers	7016415822	\$ 294.18
122581	6/20/2019	6/20/2019	01	Applied Industrial Technologies	Sepco Packing	7016289990	\$ 240.37
122582	6/20/2019	6/20/2019	01	Beech Design & Mfg	Floor Crane	0018051-IN	\$ 1,793.57
122583	6/20/2019	6/20/2019	01	Big Bear Electric, Inc	Hesperia Subregional Fine Screen	1320	\$ 1,999.00
122584	6/20/2019	6/20/2019	01	Ced	Warehouse Lighting Project Materials	9085-685990	\$ 52.54
122585	6/20/2019	6/20/2019	01	Concorde Communications	Answering & Telephone Service	190610024	\$ 107.95
122586	6/20/2019	6/20/2019	01	Dell Inc.	Dell Monitors	10309391947	\$ 2,770.07
122587	6/20/2019	6/20/2019	01	Flyers Energy, Llc	Gasoline	CFS-1961234	\$ 1,342.89
122588	6/20/2019	6/20/2019	01	Golf Cars Of Riverside	MIS Golf Cart	009289	\$ 10,933.43
122589	6/20/2019	6/20/2019	01	Hi Desert Fire Protection Inc	Annual Service	338333	\$ 1,686.37
122590	6/20/2019	6/20/2019	01	Lara Landscaping	AV Perc Ponds Weed Removal	661	\$ 8,060.00
122591	6/20/2019	6/20/2019	07	Lewis Center For Educational Research	Desert Knolls Wash Easement	051619	\$ 10,000.00
122592	6/20/2019	6/20/2019	01	Lighting Resources, Llc	FXH2 HID Lamp Fixture	50-03835	\$ 291.20
122593	6/20/2019	6/20/2019	01	Mailfinance	Postage Lease	N7752559	\$ 269.61
122594	6/20/2019	6/20/2019	01	Palmetto	Pump Packing	9003770492	\$ 234.92
122595	6/20/2019	6/20/2019	01	Prudential Overall Supply	Uniform Service	22812012	\$ 539.82
122596	6/20/2019	6/20/2019	01	Robertson'S Ready Mix, Ltd	Concrete Delivery	467398	\$ 544.96
122597	6/20/2019	6/20/2019	07	Royal Wholesale Electric	Deragger Electrical Components	6441-597182	\$ 1,958.91

Victor Valley Reclamation Authority
Cash Disbursement Register
From 6/1/19 through 6/30/19

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Matching Document Number	Check Amount
122597	6/20/2019	6/20/2019	07	Royal Wholesale Electric	Dig 1-3 Device Boxes	6441-594363	\$ 746.87
122598	6/20/2019	6/20/2019	01	Thurlow'S Heating & A/C Inc.	Service Call	22747	\$ 340.00
Total Checks							\$ 201,214.93
0039616-1	6/6/2019	6/6/2019	01	Kyle Parker	GFOA Mileage Reimbursement	052219	\$ 48.02
0039616-2	6/6/2019	6/6/2019	01	Kiwei Wang	GFOA Conference Hotel Reimbursement	053119	\$ 871.23
0039618-1	6/6/2019	6/6/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97065378	\$ 402.53
0039618-1	6/6/2019	6/6/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97065897	\$ 344.95
0039618-1	6/6/2019	6/6/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97066531	\$ 15.48
0039618-1	6/6/2019	6/6/2019	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	97068970	\$ 12.76
0039618-10	6/6/2019	6/6/2019	07	Howden Roots, Llc	Turblex Blower Service	90169947	\$ 2,560.15
0039618-10	6/6/2019	6/6/2019	07	Howden Roots, Llc	Turblex Blowers Service	90170195	\$ 25,870.56
0039618-11	6/6/2019	6/6/2019	01	Link Business Management	AV Subregional Custodial Service	95954	\$ 263.88
0039618-11	6/6/2019	6/6/2019	01	Link Business Management	AV Subregional Custodial Service	97256	\$ 263.88
0039618-11	6/6/2019	6/6/2019	01	Link Business Management	AV Subregional Custodial Services	94709	\$ 263.88
0039618-12	6/6/2019	6/6/2019	01	Industrial Solution Services, Inc	Urea	17904	\$ 1,945.51
0039618-13	6/6/2019	6/6/2019	01	Lara Landscaping	Hesperia Subregional Weed Removal	659	\$ 5,350.00
0039618-14	6/6/2019	6/6/2019	01	Mcgrath Rentcorp	Admin Office Lease	1949882	\$ 5,040.11
0039618-15	6/6/2019	6/6/2019	01	Protection One	Protection One Monitoring	128899707	\$ 871.83
0039618-16	6/6/2019	6/6/2019	01	Raftelis	Rate Study and Connection Fee Study	11994	\$ 1,603.75
0039618-17	6/6/2019	6/6/2019	01	Rochester Industrial Services, Inc	Panel repair. SN: 05441077	22203	\$ 1,690.20
0039618-17	6/6/2019	6/6/2019	01	Rochester Industrial Services, Inc	Panel repair. SN: 07281037	22204	\$ 1,690.20
0039618-18	6/6/2019	6/6/2019	07	Siemens Industry Inc.	Credit SIEM003 1401600757	1401600757	\$ (1,775.72)
0039618-18	6/6/2019	6/6/2019	07	Siemens Industry Inc.	Flow Meters	5603449823	\$ 9,610.22
0039618-19	6/6/2019	6/6/2019	01	T-Mobile	Mobil Hot Spots	052119	\$ 119.00
0039618-2	6/6/2019	6/6/2019	01	Aquarius Technologies, Llc	Hesperia Subregional Diffusers	IN0865	\$ 1,003.54
0039618-20	6/6/2019	6/6/2019	01	Underground Service Alert Of Southern California	Dig Alert Charges	520190795	\$ 120.55
0039618-20	6/6/2019	6/6/2019	01	Underground Service Alert Of Southern California	Regulatory Cost	184sbfbce3023	\$ 52.67
0039618-21	6/6/2019	6/6/2019	01	U.S. Bank	Cal Card Charges April 19	042219	\$ 5,942.90
0039618-22	6/6/2019	6/6/2019	07	Walters Wholesale Electric	Omni cable 16/2 for Digestaer Project	S113056331.001	\$ 1,299.47
0039618-22	6/6/2019	6/6/2019	07	Walters Wholesale Electric	Omni cable 16/2 for Digestaer Project	S113057300.001	\$ 1,299.47
0039618-3	6/6/2019	6/6/2019	07	D.D.H. Apple Valley Construction, Inc.	Desert Knolls Wash Interceptor	5-DKW	\$ 159,155.40
0039618-4	6/6/2019	6/6/2019	01	Beck Oil, Inc.	Diesel Delivery	356806	\$ 3,009.83
0039618-5	6/6/2019	6/6/2019	01	Brenntag Pacific, Inc	Ferrie Delivery	BP1945192	\$ 10,754.27
0039618-6	6/6/2019	6/6/2019	07	Carollo Engineers, A Professional Corporation	ESDC Desert Knolls Wash Interceptor	0177370	\$ 26,533.90
0039618-6	6/6/2019	6/6/2019	07	Carollo Engineers, A Professional Corporation	ESDC Desert Knolls Wash Interceptor	0176032	\$ 4,891.77
0039618-6	6/6/2019	6/6/2019	07	Carollo Engineers, A Professional Corporation	ESDC Desert Knolls Wash Interceptor	0176573	\$ 9,983.44
0039618-6	6/6/2019	6/6/2019	07	Carollo Engineers, A Professional Corporation	ESDC Desert Knolls Wash Interceptor	0177369	\$ 5,950.96
0039618-6	6/6/2019	6/6/2019	01	Carollo Engineers, A Professional Corporation	Main Plant Capacity Study	0176749	\$ 5,745.00
0039618-6	6/6/2019	6/6/2019	09	Carollo Engineers, A Professional Corporation	Oro Grande Interceptor Health & Safety Assessment	0177122	\$ 6,800.00
0039618-7	6/6/2019	6/6/2019	01	Ehs International Inc.	Hazwoper Refresher	3-17632	\$ 1,800.00
0039618-8	6/6/2019	6/6/2019	01	Graybar Electric Co., Inc.	Mixer Cabling	9310134895	\$ 451.56
0039618-8	6/6/2019	6/6/2019	01	Graybar Electric Co., Inc.	Mixer Cabling	9310180424	\$ 594.46
0039618-9	6/6/2019	6/6/2019	01	Hach Company	Hach Lab Bench Top Service	11462627	\$ 1,984.53
0039992	6/13/2019	6/13/2019	01	Casteel, Kristi	Mileage Reimbursement	06102019	\$ 148.25
0039993-1	6/13/2019	6/13/2019	01	2G Energy Inc.	2G Oil Separator Filters	415-081900497	\$ 7,399.50
0039993-1	6/13/2019	6/13/2019	01	2G Energy Inc.	2G Oil Separator Filters	415-081900498	\$ 564.70
0039993-10	6/13/2019	6/13/2019	01	Gierlich Mitchell, Inc.	Stators & Rotors	15491	\$ 8,138.60
0039993-11	6/13/2019	6/13/2019	01	Global Equipment Company, Inc.	Tripod Hardware	114399883	\$ 286.46
0039993-12	6/13/2019	6/13/2019	01	Grainger	Electrical Gloves	9183848218	\$ 163.24
0039993-12	6/13/2019	6/13/2019	01	Grainger	Foot Valve	9178700663	\$ 162.22
0039993-12	6/13/2019	6/13/2019	01	Grainger	Freezer Pops	9169697050	\$ 128.37
0039993-12	6/13/2019	6/13/2019	01	Grainger	Full Face Respirator	9175630111	\$ 885.23
0039993-12	6/13/2019	6/13/2019	01	Grainger	Knee Boots	9169600633	\$ 133.96
0039993-12	6/13/2019	6/13/2019	01	Grainger	Microgrid lighting	9164771561	\$ 1,183.35
0039993-12	6/13/2019	6/13/2019	01	Grainger	Pump & Hex Keys	9169600641	\$ 28.32
0039993-12	6/13/2019	6/13/2019	01	Grainger	Pump & Hex Keys	9169600658	\$ 1,826.61
0039993-12	6/13/2019	6/13/2019	01	Grainger	Step Stand	9174459660	\$ 205.59
0039993-12	6/13/2019	6/13/2019	01	Grainger	UV Cabinet Filters	9177372084	\$ 1,945.92
0039993-13	6/13/2019	6/13/2019	01	Graybar Electric Co., Inc.	LFMC Connectors	9310463874	\$ 135.97
0039993-14	6/13/2019	6/13/2019	01	Hach Company	Cal Caps	11476520	\$ 107.01
0039993-14	6/13/2019	6/13/2019	01	Hach Company	WO 00247344	11479201	\$ 313.75
0039993-15	6/13/2019	6/13/2019	01	Link Business Management	AV Subregional Custodial Services	98615	\$ 263.88
0039993-16	6/13/2019	6/13/2019	01	Mc Master-Carr Supply Co.	Fittings for Digester Instrumentation	96868280	\$ 230.89
0039993-16	6/13/2019	6/13/2019	01	Mc Master-Carr Supply Co.	Wire Cloth	95562386	\$ 242.19
0039993-17	6/13/2019	6/13/2019	01	Neta Networks Inc	Assess Network Configuration	20190207	\$ 600.00
0039993-17	6/13/2019	6/13/2019	01	Neta Networks Inc	Cat 6 and connectors for access points	20190210	\$ 502.07
0039993-17	6/13/2019	6/13/2019	01	Neta Networks Inc	Pull cable for access points	20190209	\$ 2,000.00
0039993-18	6/13/2019	6/13/2019	01	Trimax Systems	Integration work for Primary Sludge Monitor	109548	\$ 1,990.00
0039993-19	6/13/2019	6/13/2019	07	Tyler Technologies, Inc	Acoounts Payable Conversion	025-257768	\$ 1,625.00
0039993-19	6/13/2019	6/13/2019	07	Tyler Technologies, Inc	Personnel Management Conversion	025-257925	\$ 56.25
0039993-2	6/13/2019	6/13/2019	01	All Covered	CISCO Server Support	897265	\$ 2,047.00
0039993-2	6/13/2019	6/13/2019	01	All Covered	SQL Support and Enhancements	899629	\$ 3,020.00
0039993-20	6/13/2019	6/13/2019	01	U.S.A. Bluebook	Lab Supplies	917308	\$ 1,361.58
0039993-21	6/13/2019	6/13/2019	01	Walters Wholesale Electric	Clamps	S113124511.001	\$ 56.77
0039993-21	6/13/2019	6/13/2019	01	Walters Wholesale Electric	Materials	S113170845.001	\$ 264.95
0039993-21	6/13/2019	6/13/2019	01	Walters Wholesale Electric	Unistrut	S113156827.001	\$ 1,057.76
0039993-22	6/13/2019	6/13/2019	01	Waukesha-Pearce Industries, Llc	Waukesha Parts	823512	\$ 1,649.59
0039993-23	6/13/2019	6/13/2019	01	Waxie Sanitary Supply	Janitorial Supplies	78308497	\$ 101.12
0039993-24	6/13/2019	6/13/2019	01	West Coast Safety Supply	Winch Repairs and Service	3660230	\$ 2,134.79
0039993-25	6/13/2019	6/13/2019	01	Xylem Water Solutions	UV Components	3556A69777	\$ 183.00
0039993-3	6/13/2019	6/13/2019	07	D.D.H. Apple Valley Construction, Inc.	Desert Knolls Wash Interceptor	6-DKW	\$ 46,027.50
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	Contract Review	849381	\$ 97.20
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	Ethics and Governance	849384	\$ 583.20
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	Evaluation of Victorville Project	849382	\$ 2,203.20
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	FEMA Audit	849385	\$ 1,458.00
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	General - Retainer	849377	\$ 11,607.86
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	Labor Matters	849378	\$ 9,175.30

Victor Valley Reclamation Authority
Cash Disbursement Register
From 6/1/19 through 6/30/19

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Matching Document Number	Check Amount
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	Lahontan Regional Water Quality Control Board	849383	\$ 2,494.80
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	Projects	849379	\$ 21.64
0039993-4	6/13/2019	6/13/2019	01	Best, Best & Krieger, L.L.P.	Public Contract Drafting	849380	\$ 226.80
0039993-5	6/13/2019	6/13/2019	01	Biogas Power Systems- Mojave, Llc	Biogas Project	VVWRA-19-06	\$ 64,119.27
0039993-6	6/13/2019	6/13/2019	01	Carollo Engineers, A Professional Corporation	Plant Capacity Study	0177512	\$ 4,330.98
0039993-7	6/13/2019	6/13/2019	01	Cdw Government, Inc	Smart Card for UPS at EQ Fiber HUB	SKL7975	\$ 322.65
0039993-8	6/13/2019	6/13/2019	01	Culligan Water Conditioning	Water Softner	201905041501	\$ 502.90
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	8' Led strip lights	19-0081	\$ 1,054.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Blower Building Generator Block Heater Wiring	19-0095	\$ 989.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Blower Building Mezzanine LED Light, South Install 4.23.19	19-0078	\$ 1,977.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	CHP-1 Camera Conduit Install	19-0079	\$ 1,977.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	CHP-2 Camera Conduit Install	19-0080	\$ 1,977.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Generator Block Heater Conduit 4.23.19	19-0094	\$ 1,977.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Hesperia PS Wizard Install	19-0098	\$ 1,987.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Labor for GBT lighting Direct LED Replaceme	19-0096	\$ 1,977.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Labor for GBT lighting Direct LED Replacemet South	19-0097	\$ 1,977.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Labor for mezanine lighting old blower building	19-0082	\$ 1,977.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Material GBT lighting Direct LED Replacement North	19-0084	\$ 1,066.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Material GBT lighting Direct LED Replacement South	19-0083	\$ 1,066.00
0039993-9	6/13/2019	6/13/2019	01	Davis Electric, Inc	Microgrid Camera Conduit Install	19-0077	\$ 1,977.00
0040131-1	6/17/2019	6/17/2019	01	Billings, Richard	Retiree Health Benefit Allowance	BILL061719	\$ 435.00
0040131-10	6/17/2019	6/17/2019	01	Randy Main	Retiree Health Benefit Allowance	MAIN061719	\$ 435.00
0040131-11	6/17/2019	6/17/2019	01	Mark McGege	Retiree Health Benefit Allowance	MCGE061719	\$ 435.00
0040131-12	6/17/2019	6/17/2019	01	Lillie Montgomery	Retiree Health Benefit Allowance	MONT061719	\$ 163.37
0040131-13	6/17/2019	6/17/2019	01	L. Christina Nalian	Retiree Health Benefit Allowance	NALI061719	\$ 435.00
0040131-14	6/17/2019	6/17/2019	01	Nave, Patrick	Retiree Health Benefit Allowance	NAV2061719	\$ 435.00
0040131-2	6/17/2019	6/17/2019	01	Roy Dagnino	Retiree Health Benefit Allowance	DAGN051519	\$ 435.00
0040131-3	6/17/2019	6/17/2019	01	Tim Davis	Retiree Health Benefit Allowance	DAVI061519	\$ 435.00
0040131-4	6/17/2019	6/17/2019	01	Terrie Gossard Flint	Retiree Health Benefit Allowance	FLIN061719	\$ 258.83
0040131-5	6/17/2019	6/17/2019	01	Gillette, Randy	Retiree Health Benefit Allowance	GILL061719	\$ 435.00
0040131-6	6/17/2019	6/17/2019	01	Darline Gyurcsik	Retiree Health Benefit Allowance	GYUR061719	\$ 224.41
0040131-7	6/17/2019	6/17/2019	01	Thomas Hinojosa	Retiree Health Benefit Allowance	HIN0061719	\$ 435.00
0040131-8	6/17/2019	6/17/2019	01	Patricia J Johnson	Retiree Health Benefit Allowance	JOHN061719	\$ 187.74
0040131-9	6/17/2019	6/17/2019	01	Olin Keniston	Retiree Health Benefit Allowance	KENI061719	\$ 258.83
0040383-1	6/20/2019	6/20/2019	01	2G Energy Inc.	Low Level Water Limiter	415-081900473	\$ 1,294.18
0040383-10	6/20/2019	6/20/2019	07	Hach Company	AV Subregional Equipment	11490219	\$ 2,808.96
0040383-10	6/20/2019	6/20/2019	07	Hach Company	AV Subregional Equipment	11495174	\$ 2,538.04
0040383-10	6/20/2019	6/20/2019	07	Hach Company	AV Subregional Flow Through Unit	11506832	\$ 4,719.51
0040383-10	6/20/2019	6/20/2019	07	Hach Company	AV Subregional Probe	11501533	\$ 16,442.65
0040383-10	6/20/2019	6/20/2019	07	Hach Company	Hesperia Subregional Equipment	11490220	\$ 2,706.63
0040383-10	6/20/2019	6/20/2019	07	Hach Company	Hesperia Subregional Probe	11513142	\$ 18,604.12
0040383-10	6/20/2019	6/20/2019	01	Hach Company	Service Call	11470378	\$ 1,428.91
0040383-11	6/20/2019	6/20/2019	01	link Business Management	AV Subregional Custodial Services	100057	\$ 263.88
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	CCTV Service	SC365984	\$ 7,777.14
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	CCTV Service	SC365984	\$ (7,777.14)
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	CCTV Service	SC365985	\$ 7,888.66
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	CCTV Service	SC365985	\$ (7,888.66)
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	CCTV Service	SC366160	\$ 9,566.41
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	CCTV Service	SC366160	\$ (9,566.41)
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	Clean Pipe	SC366161	\$ 9,925.12
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	Clean Pipe	SC366161	\$ (9,925.12)
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	Clean Pipe	SC366163	\$ 9,496.46
0040383-12	6/20/2019	6/20/2019	01	Professional Pipe Services	Clean Pipe	SC366163	\$ (9,496.46)
0040383-13	6/20/2019	6/20/2019	01	Waukesha-Pearce Industries, Llc	Hose	792085	\$ 152.06
0040383-14	6/20/2019	6/20/2019	01	Xylem Dewatering Solutions	Energy Godwin Rental Pick Up Charge	400902817	\$ 786.58
0040383-15	6/20/2019	6/20/2019	01	Xylem Water Solutions	New UV Cylinder	3556A70578	\$ 1,709.56
0040383-15	6/20/2019	6/20/2019	01	Xylem Water Solutions	Spigots	3556A71422	\$ 413.86
0040383-15	6/20/2019	6/20/2019	01	Xylem Water Solutions	UV Componets	3556A71951	\$ 183.00
0040383-15	6/20/2019	6/20/2019	01	Xylem Water Solutions	UV Solenoid Valves	3556A70993	\$ 812.49
0040383-2	6/20/2019	6/20/2019	01	Blackline Safety Corp	Lone Worker Device	INV2019106	\$ 210.00
0040383-3	6/20/2019	6/20/2019	01	Cdw Government, Inc	Black Box Crimp Tool	SNH1415	\$ 99.28
0040383-3	6/20/2019	6/20/2019	01	Cdw Government, Inc	RJ-45 cat 5 unshielded terminations	SNR0841	\$ 51.22
0040383-4	6/20/2019	6/20/2019	01	Fedak & Brown Llp	FY 18-19 Audit Services	053119	\$ 7,180.00
0040383-5	6/20/2019	6/20/2019	01	Consumers Pipe & Supply, Co.	Blind Flanges & Bolt Kits	S1435423.003	\$ 1,022.70
0040383-6	6/20/2019	6/20/2019	01	Davis Electric, Inc	8' LED Strip Light Cost, Materials Only Warehouse North 5.17	19-0108	\$ 1,319.94
0040383-6	6/20/2019	6/20/2019	01	Davis Electric, Inc	8' LED Strip Light Cost, Materials Only Warehouse South 5.17	19-0109	\$ 1,319.94
0040383-6	6/20/2019	6/20/2019	01	Davis Electric, Inc	Otoc Pump Station Grinder Conduit	19-0100	\$ 979.00
0040383-7	6/20/2019	6/20/2019	01	Ehs International Inc.	Electrical Safety Training	3-17938	\$ 2,050.00
0040383-8	6/20/2019	6/20/2019	01	Babcock Laboratories, Inc	Digester Sampling	BF90902	\$ 3,652.00
0040383-8	6/20/2019	6/20/2019	01	Babcock Laboratories, Inc	Effluent and Daily Grab Samples	BF90903	\$ 6,339.80
0040383-9	6/20/2019	6/20/2019	01	Grainger	Absorbent Pad	9159847913	\$ 598.72
0040383-9	6/20/2019	6/20/2019	01	Grainger	Batteries	9190289380	\$ 175.29
0040383-9	6/20/2019	6/20/2019	01	Grainger	Enclosure	9198990906	\$ 161.38
0040383-9	6/20/2019	6/20/2019	01	Grainger	Fire Extinguisher Tag	9188294681	\$ 34.47
0040383-9	6/20/2019	6/20/2019	01	Grainger	Spray Paint	9194822723	\$ 15.74
0040383-9	6/20/2019	6/20/2019	01	Grainger	UV Pump	9181775546	\$ 719.60
0040621	6/26/2019	6/26/2019	01	Professional Pipe Services	CCTV Service	SC365984	\$ 7,777.14
0040621	6/26/2019	6/26/2019	01	Professional Pipe Services	CCTV Service	SC365985	\$ 7,888.66
0040621	6/26/2019	6/26/2019	01	Professional Pipe Services	CCTV Service	SC366160	\$ 9,566.41
0040621	6/26/2019	6/26/2019	01	Professional Pipe Services	Clean Pipe	SC366161	\$ 9,925.12
0040621	6/26/2019	6/26/2019	01	Professional Pipe Services	Clean Pipe	SC366163	\$ 9,496.46
0040731-1	6/27/2019	6/27/2019	01	Advanced Systems	Fleet Vehicle Wash	548	\$ 275.00
0040731-10	6/27/2019	6/27/2019	01	Howden Roots, Llc	PLC 504 process for Turblex#2	90170868	\$ 6,320.62
0040731-11	6/27/2019	6/27/2019	01	link Business Management	AV Subregional Custodial Services	101369	\$ 263.88
0040731-12	6/27/2019	6/27/2019	01	Mc Master-Carr Supply Co.	Septage Pressure Test Guage	97014285	\$ 252.93
0040731-13	6/27/2019	6/27/2019	07	Tyler Technologies, Inc	Incote Configuration	025-258784	\$ 4,567.91
0040731-14	6/27/2019	6/27/2019	01	Underground Service Alert Of Southern California	Dig Alert Charges	1120180790	\$ 87.55
0040731-15	6/27/2019	6/27/2019	01	Victor Valley Wastewater Employees Assoc	Employee Association Dnc Deductions	060719	\$ 600.00
0040731-2	6/27/2019	6/27/2019	01	Applied Maintenance Supplies & Solution	Consumables	97074896	\$ 382.94
0040731-2	6/27/2019	6/27/2019	01	Applied Maintenance Supplies & Solution	Consumables	97075432	\$ 339.91

Victor Valley Reclamation Authority
Cash Disbursement Register
From 6/1/19 through 6/30/19

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Matching Document Number	Check Amount
0040731-3	6/27/2019	6/27/2019	01	Solenis Llc	Polymer Delivery	131467272	\$ 8,154.51
0040731-4	6/27/2019	6/27/2019	01	Beck Oil, Inc.	Diesel Delivery	358846	\$ 2,239.22
0040731-5	6/27/2019	6/27/2019	01	Brenntag Pacific, Inc	Ferric Chloride	BP1953302	\$ 11,551.08
0040731-6	6/27/2019	6/27/2019	01	Cdw Government, inc	Hesperia Subregiona Access Point	SQX5904	\$ 599.38
0040731-7	6/27/2019	6/27/2019	01	Grainger	Cleaning Tissues for Glasses	9204807631	\$ 9.70
0040731-7	6/27/2019	6/27/2019	01	Grainger	Safety Glasses	9203032090	\$ 196.66
0040731-8	6/27/2019	6/27/2019	07	Graybar Electric Co., Inc.	Link Seals for Digester	9309988461	\$ 269.51
0040731-9	6/27/2019	6/27/2019	07	Hach Company	Equipment	11511432	\$ 4,995.69
0040731-9	6/27/2019	6/27/2019	01	Hach Company	Hesperia Subregional LDO Caps	11506912	\$ 2,007.50
0040731-9	6/27/2019	6/27/2019	01	Hach Company	LDO Caps	11505574	\$ 3,507.66
0040731-9	6/27/2019	6/27/2019	07	Hach Company	LDO Caps	11506915	\$ 1,689.52
0040731-9	6/27/2019	6/27/2019	07	Hach Company	Probe	11501534	\$ 16,871.42
060619SWG	6/6/2019	6/6/2019	01	Southwest Gas Company	Natural Gas	052319	\$ 1,847.86
060619UPS	6/6/2019	6/6/2019	01	Ups	Express Shipping	0000615V7V219	\$ 114.72
060619UPS	6/6/2019	6/6/2019	01	Ups	Express Shipping	0000615V7V229	\$ 17.48
061319CHAR	6/13/2019	6/13/2019	01	Charter Communications	Telephone Charges	0013529060719	\$ 4,849.66
061319UPS	6/13/2019	6/13/2019	01	Ups	Express Shipping	0000615V7V239	\$ 80.05
062419A	6/24/2019	6/24/2019	01	Southwest Gas Company	Hesperia Subregional Natural Gas- Appaloosa	061019	\$ 130.62
062419B	6/24/2019	6/24/2019	01	Southwest Gas Company	Hesperia Subregional Natural Gas- Fresno	06102019	\$ 28.32
062419C	6/24/2019	6/24/2019	01	Southwest Gas Company	AV Subregional Natural Gas - Otoe	061119	\$ 61.60
062419UPS	6/24/2019	6/24/2019	01	Ups	Express Shipping	0000615V7V249	\$ 269.93
19174555	6/6/2019	6/6/2019	01	Lincoln Financial Group	Life and Disability Insurance	3887096058	\$ 3,686.23
19174555	6/6/2019	6/6/2019	01	Lincoln Financial Group	Life and Disability Insurance	3887096813	\$ 94.66
2611175931	6/24/2019	6/24/2019	01	Southern California Edison	Hesperia Subregional Electricity- Appaloosa	061219	\$ 14,428.93
2769157931	6/6/2019	6/6/2019	01	Southern California Edison	Hesperia Subregional Electricity	052919	\$ 2,540.86
2769175931	6/24/2019	6/24/2019	01	Southern California Edison	Hesperia Subregional Electricity- Fresno	06122019	\$ 1,808.36
3747743	6/24/2019	6/24/2019	01	State Water Resources Control Board	Phase IIIA- Financing Agreement	05012019	\$ 770,707.30
3747743	6/24/2019	6/24/2019	09	State Water Resources Control Board	Phase IIIA- Financing Agreement	05012019	\$ 256,902.43
3747750	6/24/2019	6/24/2019	01	State Water Resources Control Board	Nanticoke- Financing Agreement	5012019	\$ 203,724.52
3747750	6/24/2019	6/24/2019	09	State Water Resources Control Board	Nanticoke- Financing Agreement	5012019	\$ 67,908.18
41787745	6/6/2019	6/6/2019	01	Hesperia Water District	Hesperia Subregional Water Usage	052119	\$ 778.37
5289157931	6/6/2019	6/6/2019	01	Southern California Edison	AV Subregional Electricity	05212019	\$ 1,429.27
5289175931	6/24/2019	6/24/2019	01	Southern California Edison	AV Subregional Electricity- Otoe	061519	\$ 1,569.79
6810164731	6/13/2019	6/13/2019	01	Southern California Edison	Electricity	060719	\$ 517.10
905231	6/13/2019	6/13/2019	01	Konica Minolta Business Solutions	Big Printer Lease	33570422	\$ 351.02
9686157931	6/6/2019	6/6/2019	01	Southern California Edison	Electricity	051819	\$ 47,458.60
Total ACH & EFT's							\$ 2,089,693.26

APPROVED
C. Kegan 07/01/19

Total Checks	\$	201,214.93
Total ACH and EFT	\$	2,089,693.26
Total Payroll - June 2019	\$	274,011.52
Total	\$	2,564,919.71

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

June 20, 2019

CALL TO ORDER: Chair Robert Lovingood called the meeting to order at 7:40 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:

**Brian Macy, Interim General Manager
Kristi Casteel, Secretary to GM/Board
Piero Dallarda, Legal Counsel (BB&K)
Chieko Keagy, Controller**

**David Wylie, Safety & Communications Officer
Xiewi Wang, Senior Accountant
Latif Laari, Business Applications Manager**

Others Present:

**Doug Robertson Apple Valley
Don Holland, County of San Bernardino
Nils Bentsen, City of Hesperia**

Carl Coleman, Mojave Water

CLOSED SESSION

PUBLIC COMMENTS- CLOSED SESSION AGENDA

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

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

REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

Chair Lovingood called the meeting to order at 9:22 AM.

VVWRA Regular Meeting Minutes**Thursday June 20,2019****Page 2****REPORT FROM CLOSED SESSION**

Nothing to report

PUBLIC COMMENTS- REGULAR SESSION AGENDA

None

ANNOUNCEMENTS AND CORRESPONDENCE:**5. Possible conflict of interest issues**

Commissioner Nassif will be abstaining from any disbursements to Napa Auto Parts on item 6

CONSENT CALENDAR:

- 6. Approve May 2018 Disbursement Registers**
- 7. Approve Minutes from the May 16, 2019 Regular Meeting, the June 5, 2019 Special Meeting and the June 10, 2019 Special Meeting**
- 8. Recommendation to Ratify Emergency Work for Ferric Chloride Spill**
- 9. Recommendation to Replace Spencer Blowers for Digesters 4 and 5**

Commissioner Nassif made a motion to approve the consent calendar, seconded by Chair Lovingood 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:**10. Presentation: 2018-2019 Budget (Keagy)**

The presentation was tabled

PUBLIC HEARING:

VVWRA Regular Meeting Minutes**Thursday June 20,2019****Page 3****11. Adoption of Fiscal Year 2019-2020 Budget**

Chair Lovingood opened the Public Hearing at 9:54 AM.

The Secretary of the Board confirmed the posting and publication of the Hearing Notice as required by law.

Chair Lovingood asked if there were any comments from the public. There were no public comments.

Commissioner Nassif made a motion to continue the public hearing to the next regularly scheduled meeting, seconded by Commissioner Cox and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

ACTION & DISCUSSION ITEMS:**12. Resolution 2019-10 Adopt FY 2019-2020 Budget**

Commissioner Cox made a motion to have a continued budget resolution so that VVWRA can proceed with their daily activities in normal fashion without any new expenditures for new projects until the Interim General Manager can meet with the City Managers to ensure that the Fiscal Year 2019-2020 Budget is reviewed and that the foot notes within the budget are correct and accurate, seconded by Commissioner Nassif and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

Commissioner Cox: Yes

13. Resolution 2019-12: Authorization of Interfund Loan

Commissioner Cox made a motion to table this resolution pending resolution with the issue of the Fiscal Year 2019-2020 Budget, seconded by Commissioner Nassif and approved by roll call.

Chair Lovingood: Yes

Commissioner Nassif: Yes

VVWRA Regular Meeting Minutes**Thursday June 20,2019****Page 4**

Commissioner Cox: Yes

14. Resolution 2019-11: FY 2019-2020 Holiday Schedule

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

15. Recommendation to Cancel June 27th Board Meeting

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

STAFF/PROFESSIONAL SERVICES REPORTS:**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****COMMISSIONER COMMENTS**

VVWRA Regular Meeting Minutes
Thursday June 20,2019
Page 5

CLOSED SESSION (If Closed Session is continued)

ADJOURNMENT

APPROVAL:

DATE: July 18, 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

July 18, 2019

FROM: Chieko Keagy, Controller
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; Nils Bentsen, City Manager of City of Hesperia; Don Holland, San Bernardino County; Keith Metzler, City Manager of City of Victorville; and Doug Robertson, City Manager of Town of Apple Valley.

BACKGROUND INFORMATION

Staff has revised the fiscal year 2020 budget based on input from Commissioners and member agency managers after June Board meeting.

The staff has reduced operation costs by \$700,000 from the previously proposed budget. This FY 2020 budget includes 50% of wages and benefits for five new positions that would be staggered throughout the year ending June 30, 2020. These positions are:

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 replaces the FY 2020 budget proposed during the July 2020 Board meeting to lay guidelines for daily operations and capital improvement projects. The budgeted revenues and expenses for the fiscal year are

Budget FYE 06/30/20

Operations and Maintenance	Revenues	\$ 15,546,900	
	Expenses	<u>(14,882,561)</u>	\$ 664,339
Repairs and Replacements	Revenues - Loan from Capital	1,963,621	
	Expenses	<u>(2,666,326)</u>	(702,705)
Capital	Revenues	2,304,625	
	Loan to Repairs & Replacements	(1,963,621)	
	Expenses	<u>(3,333,442)</u>	<u>(2,992,438)</u>
			<u>\$ (3,030,804)</u>

This proposed FY 2020 budget is based on flow processing fee rate increase of 8% and connection fee rate of \$4,679 for FY 2020, both effective on October 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 \$1,963,621 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 18th day of July, 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 July 18, 2019.

Kristi Casteel – Clerk of the Board

PROPOSED
FY2019-20 ANNUAL BUDGET



Operations and Capital Budget

Victor Valley Wastewater Reclamation Authority
20111 Shay Road Victorville, CA 92394
760.246.8638
760.246.2898 – Fax

JULY 18, 2019

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Victor Valley Wastewater Reclamation Authority

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

20111 Shay Road, Victorville, CA 92394

Telephone: (760) 246-8638

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e-mail: mail@vwvra.com

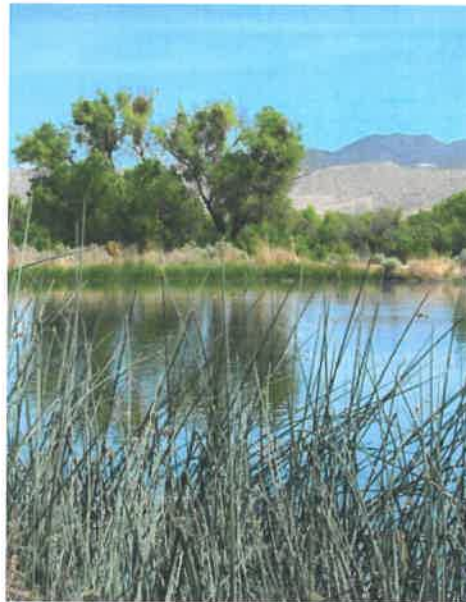
July 18, 2019

1 Budget Summary

1.1 OVERVIEW – REVENUES AND EXPENSES

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 (VWVRA or agency). The agency hopes the table of contents and glossary will help you locate information.

VWVRA 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. VWVRA 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 \$17.9 million budgeted for FY 2020, \$14.5 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. In addition, we estimated the connection fee revenue of \$2.3 million for the construction of capital projects stated at pages 56 and 57. The connection fee revenues are based on the connection fee rate \$4,679 per EDU that is effective on October 1, 2019.



VWVRA Percolation Pond



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 for an Oro Grande interceptor project.

VWRA has a budget of a total expense of \$20.9 million consisting of \$14.9 million for operations and maintenance, \$2.7 million for repairs and replacements, and \$3.3 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.

1.2 CAPITAL PROJECTS AND THEIR EXPENDITURES

VWRA 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 4) and potential USDA grant for an Oro Grande Interceptor project.



Regional Plant Digesters



1.2.1 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 5), 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.



Apple Valley Wastewater Reclamation Plant

1.2.2 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.

1.2.3 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 the fourth quarter 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. This project is funded by a California Energy Commission grant of \$1.7 million with VVWRA matching of \$902,215 that incurred in previous years.

1.3 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.

1.4 DEBTS – STATE REVOLVING FUND (SRF) LOANS

The agency has conducted its financial planning for the next five years, FY 2020 through FY 2024. The negative budget balance reflects 8% increase in user fees and new connection fees effective October 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.

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.



Regional Secondary Clarifiers



1.5 LONG TERM FINANCIAL PLANS

The assumption for the FY 2020 budget is the agency will increase user rates and connection fees and not receive any of its outstanding or uncollected revenues. The outstanding or uncollected revenues may exceed 3 Million dollars. The timing of the collection of this revenue is unknown; therefore, VVWRA will continue to review and update its long term financial plan every six months.

1.6 CONCLUSION

The significant financial issue for the year FY 2020 is the budget is not balanced and illustrates insufficient cash balances in the Operations Fund and the Repairs and Replacements Fund. The agency will utilize the inter-fund loan from its Capital Fund cash balance to cover the insufficient cash. As stated above, VVWRA will continue to review and update its long term financial plan every six months and report those findings to the Board of Commissioners.

Chieko Keagy, CPA

Controller



**1.7 GFOA DISTINGUISHED BUDGET PRESENTATION AWARD FOR
THE FISCAL YEAR BEGINNING JULY 1, 2018**



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. Mouill

Executive Director

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2 Financial Structure, Policy and Process

2.1 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



2.2 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.

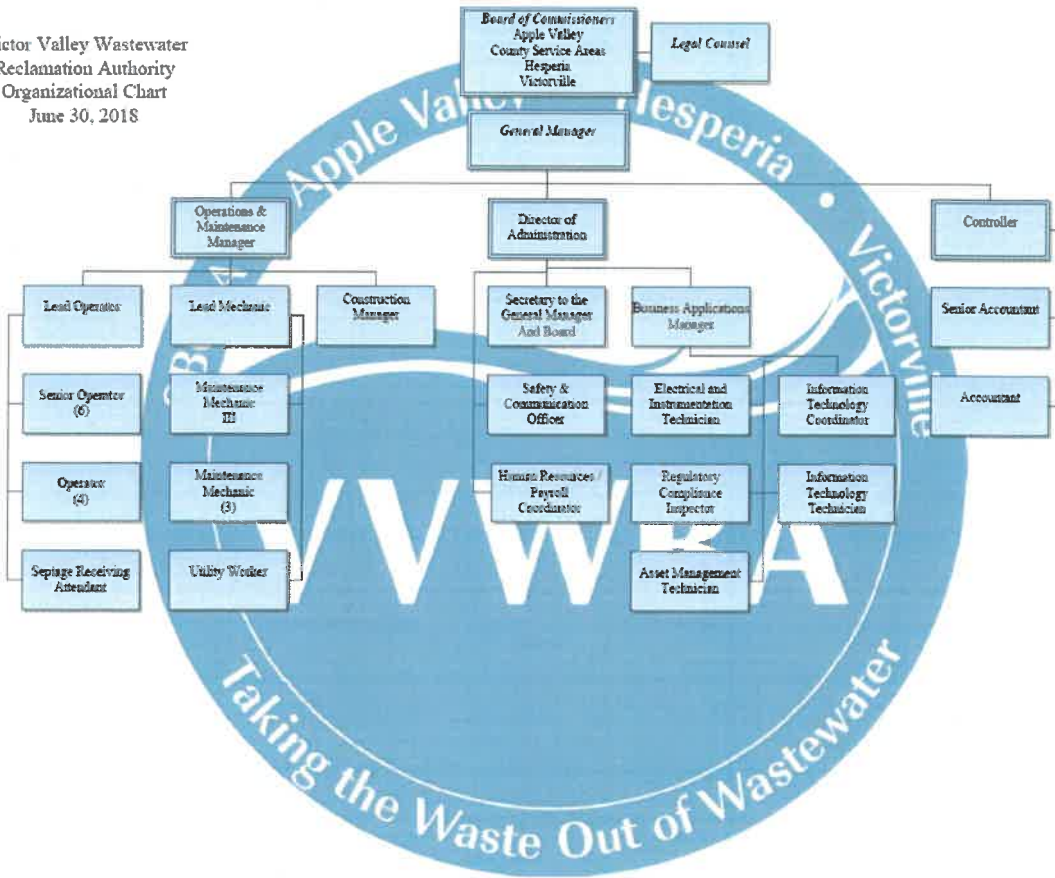
Measured by...

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



2.3 ORGANIZATIONAL CHART

Victor Valley Wastewater Reclamation Authority
Organizational Chart
June 30, 2018





2.4 OUR ORGANIZATION

2.4.1 We are Here to Serve Our Member Agencies

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.

2.4.2 Goals and Objectives of Each Function

Below are goals and objectives of each function:

- 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 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.



2.5 BUDGETED POSITIONS

2.5.1 Administration Positions

DESCRIPTION	FISCAL YEAR ENDING JUNE 30				
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Director of Administrative Services	1	1	1	1	1
General Manager	1	1	1	1	1
Administrative Aide	1	1	0	0	0
Secretary - GM/Board	1	1	1	1	1
Public Information Officer	1	1	1	1	1
Director of Finance	0	1	1	0	0
Controller	0	0	0	1	1
Accounting Supervisor	1	1	1	0	0
Senior Accountant	0	0	0	1	1
Accountant I	1	1	1	1	1
Account Technician	1	1	1	0	0
Human Resource Technician	1	1	1	1	1
IT Supervisor	1	0	0	0	0
IS Coordinator	1	1	1	1	1
IT Technician	0	1	0	1	1
IT/Env Comp Supervisor	0	1	0	0	0
Lead Environmental Compliance Inspector	1	0	0	0	0



DESCRIPTION	FISCAL YEAR ENDING JUNE 30				
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Environmental Compliance Safety Admin Aide	1	1	1	0	0
Environmental Compliance Inspector-in-Training	1	0	0	0	0
Environmental Compliance Inspector	0	1	1	1	1
EC/IT Supervisor	0	0	1	0	0
Business Applications Manager	0	0	0	1	1
Total Positions - Administration	14	15	13	12	12

2.5.2 Operations

DESCRIPTION	FISCAL YEAR ENDING JUNE 30				
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Director of Operations	1	1	1	0	0
Operations/Maintenance Manager	0	0	0	1	1
Operations & Maintenance Supervisor	1	1	1	0	0
Lead Operator	1	1	1	1	1
Operator III	6	6	0	0	0
Operator-in-Training	2	2	1	0	0
Operator	4	4	4	4	6
Senior Operator	0	0	5	6	6



DESCRIPTION	FISCAL YEAR ENDING JUNE 30				
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Septage Receiving Attendant	1	1	1	1	1
O&M Clerk	1	1	0	0	0
Asset Management Technician	0	0	0	1	1
Lab & Environmental Compliance Supervisor	1	1	0	0	0
Lab Tech I	1	2	0	0	0
Lab Tech II	1	0	0	0	0
Total Positions - Operations	20	20	14	14	16

2.5.3 Maintenance

DESCRIPTION	FISCAL YEAR ENDING JUNE 30				
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Maintenance Supervisor	1	1	0	0	0
Electrical / Instrumentation Tech	2	1	0	0	0
Electrical / Instrumentation Tech II	0	1	0	0	1
Electrical / Instrumentation Tech II	0	0	0	1	1
Electrical / Instrumentation Tech IV	1	1	1	0	0
Maintenance Planner	1	1	0	0	0
Mechanical Tech I	1	1	0	1	0
Mechanical Tech III	2	2	0	1	1

Lead Mechanic	0	0	1	1	1
Maintenance Mechanic	0	0	1	0	5
Maintenance Mechanic in Training	3	3	3	3	0
Utility Worker II	1	1	1	1	1
Total Positions – Maintenance	12	12	7	8	10

2.5.4 Construction

DESCRIPTION	FISCAL YEAR ENDING JUNE 30				
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Project Construction Manager	0	0	1	1	1
Construction & Energy Efficiency Manager	1	1	0	0	0
Total Positions – Construction	1	1	1	1	1



2.6 POLICIES

2.6.1 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 \$2.95 million as of June 30, 2019. The SRF loan reserve for the year ending June 30, 2019 is \$5.29 million.

2.6.2 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.



2.6.3 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 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.

2.6.4 Other Policies

2.6.4.1 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 \$4.00 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.



Hesperia Lift Station



2.6.4.2 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.

2.6.4.3 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.

2.7 BUDGET PREPARATION AND REVIEW PROCESS

2.7.1 Basis of Budgeting

Victor Valley Wastewater Reclamation Authority (VVWRA) employs a fiscal year beginning July 1. VVWRA 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 later in the document.

2.7.2 Balanced Budget

A balanced budget is when VVWRA'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.

2.7.3 Budget Process

VVWRA managerial staff inputs budgetary estimates for the following year with their departmental goals in mind at the beginning of the budgetary process. Based on these inputs, 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 into the proposed budget. Then the Financial Committee finalizes the recommendations and the Committee presents the budget to the public hearing and Board for approval.



The Mojave River

VVWRA 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 VVWRA's website.



2.7.4 Budget Calendar

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

VVWRA BUDGET PLANNING – FY2019-2020	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	07/18/19
Apply for GFOA Award for Excellence in Budget Reporting.	07/25/19



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.



Oro Grande Pump Station



3 Goals, Objectives and Strategies

3.1 STRATEGIC GOALS AND STRATEGIES TO BENEFIT THE COMMUNITIES

The goal of Victor Valley Wastewater Reclamation Authority (VWRA) is to provide sustainable and cost effective solutions to benefit the communities we serve. The VWRA 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.



Recycled Water Pipelines

3.2 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, VWRA'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 the need for the proper rate adjustments of user charge fees and connection fees. As these loan payments affect both funds, Operations (Fund 01) and Construction (Fund 09), 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 8%, from \$3,503 per million gallons (MG) to \$3,783 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 is intended to ensure that VWRA remain in compliance with its debt coverage ratio of 1.20 and to have sufficient cash reserve for repayments as required by the loan covenants.



Apple Valley Wastewater Reclamation Plant



3.3 STRATEGIC MEASURES TO ATTAIN THE OBJECTIVES

The VVWRA 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.

VVWRA 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.

VVWRA 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.

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.

3.4 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 into 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.



Hesperia Wastewater Reclamation Plant



3.5 OPERATIONS PERFORMANCE:

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

DESCRIPTION	FISCAL YEAR ENDING JUNE 30				
	FY 2014	FY 2015	FY 2016	FY 2017	FY 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	6.00	6.00	6.00	6.00	6.00
– Active Sedimentation Basins					
Secondary Treatment	12.00	12.00	12.00	12.00	12.00
– Active Aeration Basins					
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.

3.6 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.

3.7 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 NUMBER	PROJECT NAME	DESCRIPTION
1	Sub-regionals 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 Sub-regionals project
6	Spring Valley Lake Relief Interceptor	On hold until evaluation of impact from completed Sub-regionals 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
10	Digesters 1 - 3 Rehabilitation	\$150,000, VWRA 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



3.8 REGULATORY COMPLIANCE AND INFORMATION SYSTEMS DEPARTMENT:

Electrical and Instrumentation projects completed:

- Otoe Pump Station new automation controls including, new PLC, New VFDs and a New pump
- Installation of the wet well mixing solution at the Otoe Pump and Hesperia Lift Stations
- Installation of Deraggers at Oro Grande Pump Station
- Review of VVWRA data disaster recovery system (local and cloud backups)
- Warehouse, GBT and Micro-grid LED Lighting replacement
- Master blowers Panels Repair
- Digesters 4&5 Spencer Blowers Replacement

Information System Projects completed:

- **Regional Plant SCADA communication improvement project:**
A new SCADA software solutions by Ignition Software by [Inductive Automation](#) implementation started was completed in June 2019 .The new SCADA software offers the following features:
 - 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.
- **Timeline of SCADA ignition Implementation**
 1. Staff recommendation to request the conversion of the existing Wonderware to Ignition SCADA: July 2017
 2. Request for proposal to convert existing Wonderware to Ignition SCADA: October 2017
 3. Start of implementation: January 2018
 4. Ignition SCADA went Live: March 2019
 5. Final SCADA Alarming implementation: 6/21/19
 6. Project duration :537 days.
 7. Number of Tags tracked :81533 with 46 devices (PLC's) connected
 8. 4 new Dell servers: \$48,879.74
 9. Trimax bid winner cost: \$263,372.51 (including the cost of Ignition \$47,389)



10. If we stayed with Wonderware we needed to pay over \$80000 for licensing fees (to increase our tags count) plus \$14,803.50/annually which was increasing gradually.
11. Annual Ignition support: \$6874 with unlimited tags and unlimited support.
12. Return on the investment :3 years

- **VWRA Network Assessment was completed**

A common network assessment is a review of VWRA's existing IT infrastructure, performance, availability, management and security to identify opportunities for improvement and gain a comprehensive view of the state of our IT. The assessment is periodically run and is designed to help the authority make more informed and strategic business decisions.

By having an outside, objective assessment, VWRA identified which aspects of our network infrastructure needs improvement as well as plan for the future. This assessment brought an abundance of information to the table that is useful in many ways:

- Helped VWRA IT staff understand the current IT infrastructure.
- It Identified security risk that need to be addressed to avoid adverse impact to our network system and operations.
- It identified network bottlenecks and failures, underused or overused resources. This network assessment also helped us identify real needs and how to allocate resources accordingly.
- And finally, this assessment helped identify equipment that needs to be upgraded, and pinpoints performance issues.



VWRA SCADA System



3.9 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.



Percolation Pond at the Victorville Plant

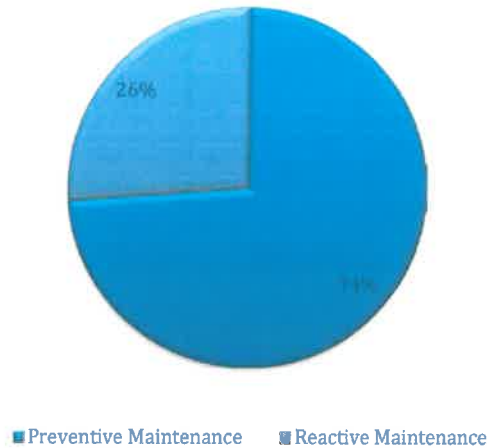
3.10 MAINTENANCE DEPARTMENT:

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 FY 2019



3.11 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.

4 Financial Information and Trend Analyses

4.1 CONSOLIDATED BUDGET STATEMENT OF ALL FUNDS

	2018 Actual \$3,503/M/G	2018 Budget \$3,503/M/G	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$3,503/M/G	2020 Budget \$3,785/M/G
Operations & Maintenance Fund Revenues						
User Charges	\$ 13,581,133	\$ 13,661,700	\$ 11,324,052	\$ 13,588,862	\$ 13,661,700	\$ 14,480,700
Allocate Resource to Repairs and Replacements Fund	(247,500)	(247,500)	(1,527,480)	(2,695,580)	(2,749,326)	(2,666,326)
VVIW/WTP Sludge	112,780	137,074	85,674	102,809	120,000	120,000
High Strength Waste Surcharges	17,170	25,600	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	303,923	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	\$ 10,690,969	\$ 11,966,078	\$ 11,878,474	\$ 12,880,374
Other Operating Financing Sources						
SRF Loan Funding	\$ 6,996,596	\$ 1,684,303	\$ 1,967,705	\$ 1,967,705	\$ -	\$ -
	\$ 6,996,596	\$ 1,684,303	\$ 1,967,705	\$ 1,967,705	\$ -	\$ -
Repairs and Replacements Fund Financing Source						
Transferred from Operations & Maintenance Fund	\$ 247,500	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,666,326
	\$ 247,500	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,666,326
Capital Fund Revenues						
Connection Fees	\$ 2,882,239	\$ 878,900	\$ 1,733,793	\$ 2,080,552	\$ 2,000,000	\$ 2,254,625
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	24,964	-	-
	\$ 4,476,762	\$ 4,472,862	\$ 1,965,171	\$ 2,316,096	\$ 5,140,375	\$ 2,304,625
Other Capital Financing Sources						
SRF Loan Funding	\$ 4,359,855	\$ 593,349	\$ 634,344	\$ 634,344	\$ -	\$ -
	\$ 4,359,855	\$ 593,349	\$ 634,344	\$ 634,344	\$ -	\$ -
Total Revenues and Other Financing Sources	\$ 31,395,261	\$ 22,189,501	\$ 16,785,270	\$ 19,579,804	\$ 19,768,175	\$ 17,851,825
Operations and Maintenance Fund Expenses						
Personnel and Benefits	\$ 4,428,774	\$ 4,086,603	\$ 3,362,412	\$ 4,034,896	\$ 4,080,784	\$ 4,589,786
Maintenance	1,596,844	2,919,360	1,296,847	2,196,883	2,194,767	2,246,166
Operations	2,775,629	3,066,985	2,362,128	2,954,552	3,151,072	3,433,513
Administration	1,807,885	2,270,884	1,675,519	2,107,850	2,183,749	1,823,605
Construction	170,804	2,389,065	47,515	586,834	-	-
	\$ 10,780,036	\$ 14,731,897	\$ 8,744,421	\$ 11,871,015	\$ 11,410,372	\$ 12,083,050
Emergency Expenses						
Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	-	-	-	-	-	-
FEMA Expenses	-	-	-	-	-	-
Expected FEMA/Cal-OES Grants	-	(747,034)	-	-	(747,034)	-
	\$ -	\$ (747,034)	\$ -	\$ -	\$ (747,034)	\$ -
Repairs and Replacements Fund Expenses						
Personnel and Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance	57,846	242,500	472,089	1,198,452	1,204,326	1,896,326
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	\$ 2,666,326
Capital Fund Expenses						
Personnel and Benefits	\$ 385,110	\$ 416,716	\$ 332,546	\$ 378,554	\$ 378,554	\$ 384,912
Maintenance	-	40,000	-	-	-	-
Operations	-	170	-	-	170	170
Administration	(2,054)	140,000	(2,054)	(2,465)	-	50,000
Construction	-	2,483,435	55,661	646,333	430,000	550,000
	\$ 383,056	\$ 3,079,321	\$ 386,092	\$ 1,022,422	\$ 808,724	\$ 985,082
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	793,794	1,184,885	1,201,061	1,127,051
	\$ 3,839,782	\$ 2,626,778	\$ 3,848,617	\$ 5,147,861	\$ 5,297,541	\$ 5,147,861
Total Expenses and Debt Services	\$ 15,162,260	\$ 19,939,462	\$ 14,596,610	\$ 20,736,878	\$ 19,718,929	\$ 20,882,329
Interfund Loan						
Interfund Loan to the Operations & Maintenance Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,963,621)
Interfund Loan from the Capital Fund	-	-	-	-	-	1,963,621
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Agency Net Surplus or (Deficit)	\$ 16,233,001	\$ 2,250,039	\$ 2,278,660	\$ (1,157,074)	\$ 49,346	\$ (3,030,804)



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 the previous page shows all functions of the entire organization. The page 37 demonstrates a reconciliation of FY 2018 actual to CAFR for the year ended June 30, 2018. The budget on page 39 is for the Operations and Maintenance Fund, the pages 41 and 42 show the budget for the Repairs and Replacements Fund, and the page 43 shows the budget for the Capital Fund.



VWRA Regional Plant

4.2 RECONCILIATION FROM ACTUAL TO CAFR FOR THE YEAR ENDED JUNE 30, 2018

	2018 Actual	Reconciliation to CAFR	2018 Per CAFR
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	<u>\$ 15,162,260</u>	<u>\$ 7,155,077</u>	<u>\$ 22,317,337</u>
Total Net Surplus or (Deficit)	<u>\$ 16,233,001</u>	<u>\$ (18,511,528)</u>	<u>\$ (2,278,527)</u>

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4.3 BUDGET STATEMENT OF OPERATIONS AND MAINTENANCE 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 \$3,783/MG
Revenues						
User Charges	\$ 13,581,133	\$ 13,661,700	\$ 11,324,052	\$ 13,588,862	\$ 13,661,700	\$ 14,480,700
Allocate Resource to Repairs and Replacements Fund	(247,500)	(247,500)	(1,527,480)	(2,695,580)	(2,749,326)	(2,666,326)
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	621,135	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	\$ 12,880,574
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	\$ 12,880,574
Expenses						
Personnel and Benefits	\$ 4,428,774	\$ 4,086,603	\$ 3,362,412	\$ 4,034,896	\$ 4,080,784	\$ 4,589,786
Maintenance	1,596,944	2,919,360	1,296,847	2,186,883	2,194,767	2,236,156
Operations	2,775,629	3,066,985	2,362,128	2,954,552	3,151,072	3,433,513
Administration	1,807,885	2,270,884	1,675,519	2,107,850	2,183,749	1,823,605
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	\$ 12,083,060
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	762,442	721,656
	\$ 1,975,140	\$ 1,218,613	\$ 1,786,701	\$ 2,761,134	\$ 2,857,247	\$ 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	\$ 14,844,195
Interfund Loan from the Capital Fund	-	-	-	-	-	1,963,621
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 38.

4.4 OPERATIONS AND MAINTENANCE FUND – EXPENSES OTHER THAN EMERGENCY EXPENSES

	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 \$3,783/MG
Personnel Expenses Allocations						
Allocation to Maintenance	\$ 1,155,331	\$ 970,585	\$ 812,891	\$ 975,470	\$ 1,151,161	\$ 1,270,080
Allocation to Operations	1,781,136	1,661,723	1,367,134	1,640,562	1,777,237	2,077,907
Allocation to Administrations	1,492,303	1,454,295	1,182,387	1,418,864	1,152,386	1,241,799
	<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>\$ 4,589,786</u>
Maintenance Expenses						
Maintenance Equipment	\$ 696,952	\$ 1,110,560	\$ 540,563	\$ 1,138,676	\$ 1,141,560	\$ 1,188,036
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	406,500
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>\$ 1,296,647</u>	<u>\$ 2,186,883</u>	<u>\$ 2,194,767</u>	<u>\$ 2,236,156</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	153,181
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>\$ 3,433,513</u>
Administrations Expenses						
Telephone and Communications	\$ 169,485	\$ 278,220	\$ 116,385	\$ 149,662	\$ 297,500	\$ 192,981
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	385,394
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	72,143
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>\$ 1,823,605</u>
Construction Expenses	<u>\$ 170,804</u>	<u>\$ 2,389,065</u>	<u>\$ 47,515</u>	<u>\$ 586,834</u>	<u>\$ -</u>	<u>\$ -</u>
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>\$ 12,083,060</u>

① Please see Allocations of Personnel Expenses at page 43.



4.5 BUDGET STATEMENT OF REPAIRS AND REPLACEMENTS FUND

	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 \$3,783/MG
Repairs and Replacements Financing Sources						
Transferred from Operations & Maintenance Fund	\$ 247,500	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,666,326
	<u>\$ 247,500</u>	<u>\$ 247,500</u>	<u>\$ 1,527,480</u>	<u>\$ 2,695,580</u>	<u>\$ 2,749,326</u>	<u>\$ 2,666,326</u>
Expenses						
Personnel and Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance	57,846	242,500	472,089	1,198,452	1,204,326	1,896,326
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
	<u>\$ 159,386</u>	<u>\$ 247,500</u>	<u>\$ 1,527,480</u>	<u>\$ 2,695,580</u>	<u>\$ 2,749,326</u>	<u>\$ 2,666,326</u>
Emergency Expenses						
Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	-	-	-	-	-	-
FEMA OPERATING EXPENSES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expected FEMA/Cal-EMA Grants	-	-	-	-	-	-
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Debt Services						
SRF Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SRF Interest	-	-	-	-	-	-
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Repairs and Replacements Expenses with Debt Services	<u>\$ 159,386</u>	<u>\$ 247,500</u>	<u>\$ 1,527,480</u>	<u>\$ 2,695,580</u>	<u>\$ 2,749,326</u>	<u>\$ 2,666,326</u>
Repairs and Replacements Net Surplus or (Deficit)	<u>\$ 88,114</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

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.

4.6 REPAIRS AND REPLACEMENTS FUND EXPENSES

	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 \$3,783/MG
Personnel Expenses Allocations						
Allocation to Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Allocation to Operations	-	-	-	-	-	-
Allocation to Administrations	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maintenance Expenses						
Maintenance Equipment	\$ 33,254	\$ 153,000	\$ 392,877	\$ 471,452	\$ 353,000	\$ 424,000
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	-	-	-	-
	\$ 57,846	\$ 242,500	\$ 472,089	\$ 1,198,452	\$ 1,204,326	\$ 1,896,326
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	-	-	-	-	-	-
	\$ 101,540	\$ -	\$ 20,433	\$ 24,520	\$ 25,000	\$ -
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	-	-	-	-	-	-
	\$ -	\$ 5,000	\$ 85,507	\$ 102,608	\$ 150,000	\$ 145,000
Construction Expenses						
	\$ -	\$ -	\$ 949,451	\$ 1,370,000	\$ 1,370,000	\$ 625,000
Total Repairs and Replacements Fund Expenses	\$ 159,386	\$ 247,500	\$ 1,527,480	\$ 2,695,580	\$ 2,749,326	\$ 2,666,326



4.7 BUDGET STATEMENT OF CAPITAL FUND

	2018 Actual \$4,000/EDU	2018 Budget \$4,000/EDU	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$4,000/EDU	2020 Budget \$4,679/EDU
Revenues						
Connection Fees	\$ 2,882,239	\$ 878,900	\$ 1,733,793	\$ 2,080,552	\$ 2,000,000	\$ 2,254,625
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>\$ 2,304,625</u>
Other Financing Sources						
SRF Loan Funding	\$ 4,359,855	\$ 593,149	\$ 634,344	\$ 634,344	\$ -	\$ -
	<u>\$ 4,359,855</u>	<u>\$ 593,149</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	\$ 2,304,625
Expenses						
Personnel and Benefits	\$ 385,110	\$ 416,716	\$ 332,546	\$ 378,554	\$ 378,554	\$ 384,912
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	550,000
	<u>\$ 383,056</u>	<u>\$ 3,079,321</u>	<u>\$ 386,092</u>	<u>\$ 1,022,422</u>	<u>\$ 808,724</u>	<u>\$ 985,082</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	405,195
	<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	\$ 3,371,808
Interfund Loan to the Operations & Maintenance Fund	-	-	-	-	-	(1,963,621)
Capital Net Surplus or (Deficit)	\$ 6,588,919	\$ 578,725	\$ 151,507	\$ (458,709)	\$ 1,891,757	\$ (3,030,804)

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

VWRA 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 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. The 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, VWRA 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. To adjust for the loss of the flow revenue that was projected in the 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 currently based on operating only one of these plants as recommended by the Finance Committee. Until the agency can change both the user charge rate and the connection fee rate, it will most definitely face the challenge during FY 2020 of potentially not having enough reserves as required for the sub-regionals loans.

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 \$3.8 million in FY 2018 to \$5.1 million in FY 2020. Under current conditions, in order to maintain the required debt payment reserve level and debt coverage ratio, VWRA will most likely have to increase the user charge rate connection fee rate. VWRA 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.



4.8 ALLOCATIONS OF PERSONNEL EXPENSES

	2018 Actual \$3,503/MG	2018 Budget \$3,403/MG	2019 Actual as of 4/30/2019	2019 Projected to the Year End	2019 Budget \$3,503/MG	2020 Budget \$3,783/MG
Operations and Maintenance Salary Expenses						
Regular Salaries	\$ 2,840,647	\$ 2,850,355	\$ 2,452,152	\$ 2,942,582	\$ 2,884,301	\$ 3,187,537
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>\$ 3,423,657</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	46,564
Social Security Expense	771	-	4,168	5,002	-	-
PERS / Health Insurance	347,175	232,969	291,417	349,700	232,969	315,462
Dental / Vision Insurance	30,610	22,436	27,763	33,316	22,436	27,960
Workers Comp Insurance	6,566	87,133	44,969	53,963	88,291	116,915
PERS / Retirement	572,092	420,942	559,744	671,693	252,000	303,035
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	16,807
Unemployment Insurance	16,014	10,948	18,413	22,096	10,948	11,431
Disability Insurance	18,797	20,064	25,114	30,137	20,331	25,583
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>\$ 1,401,390</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	\$ 4,974,698
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)	\$ (1,270,080)
To Operations Department	(1,781,136)	(1,661,723)	(1,367,134)	(1,640,562)	(1,777,237)	(2,077,907)
To Administration (other departments except Construction)	(1,492,303)	(1,454,295)	(1,182,387)	(1,418,864)	(1,152,386)	(1,241,799)
	<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>\$ (4,589,786)</u>
<i>2. Allocation To Capital Fund</i>						
To Construction Department	\$ (385,110)	\$ (416,716)	\$ (332,546)	\$ (399,055)	\$ (378,554)	\$ (384,912)
Personnel Expenses After Allocations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

4.9 HIGH STRENGTH SURCHARGE

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

Worksheet

User Charges from Member Agencies									\$ 14,480,700	
Unit User Charge per MG									\$3,783.00	
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%	\$5,068,245	\$0.4191	
TSS	409.00	36,447	2.20	196	36,251	13,231,577	25.0%	\$3,620,175	\$0.2736	
NH3	31.04	2,766	0.13	12	2,754	1,005,379	30.0%	\$4,344,210	\$4.3210	
Annual Flow - MG per Day	3,900 MG / 365 days		10.68							
							10.0%	\$1,448,070		
							100.0%	\$14,480,700		

		BOD	TSS	NH3
		\$/lb	\$/lb	\$/lb
Surcharge Rates:		\$0.4191	\$0.2736	\$4.3210
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

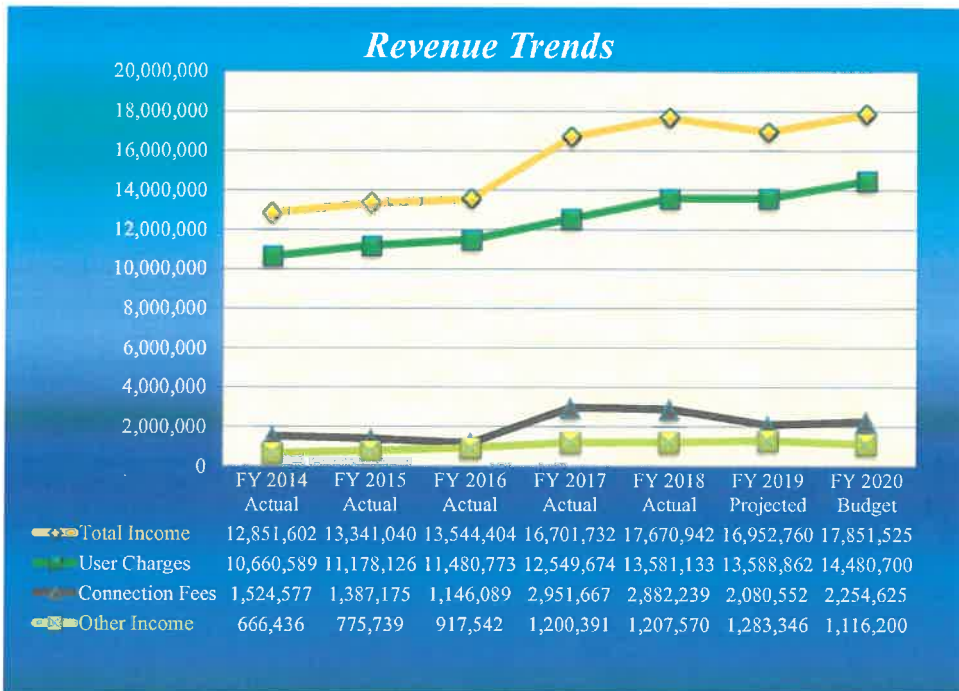
REMOVAL COST

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)

4.10 REVENUE TREND ANALYSIS

The Victor Valley Wastewater Reclamation Authority (VWVRA) has been recovering from the decreased operating revenues since FY 2014. 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 revenues, we are increasing the user charge rate from \$3,503/MG to \$3,783/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.

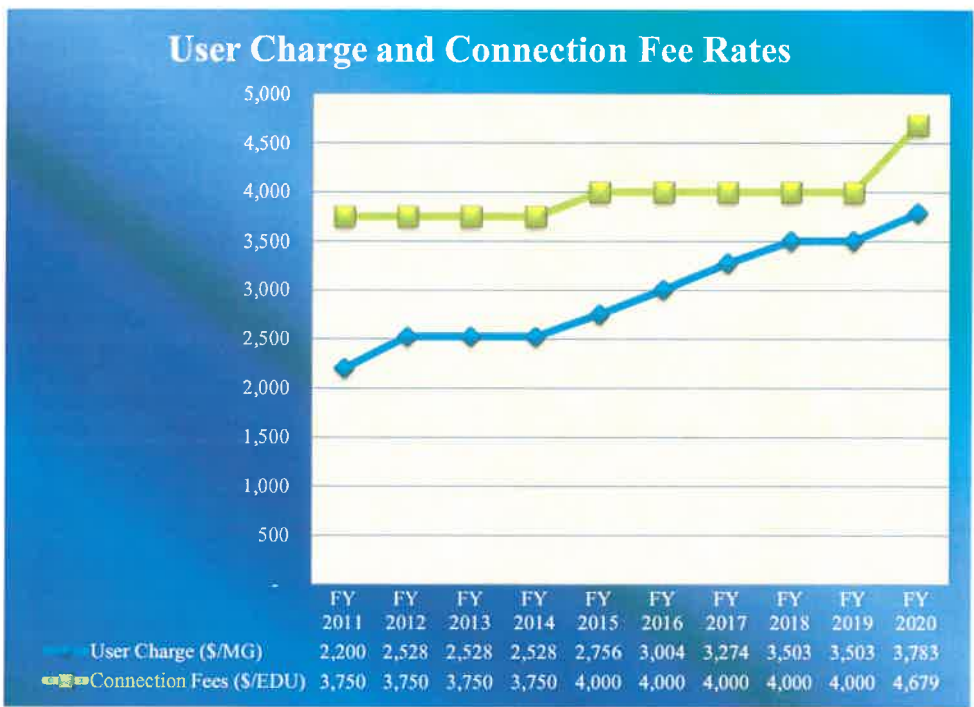
Due to an overall decrease of the net income in coming years, we have to solve urgently how to handle such a substantial decline of income as the decline of income will also affect net position.

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 (\$3,783/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.

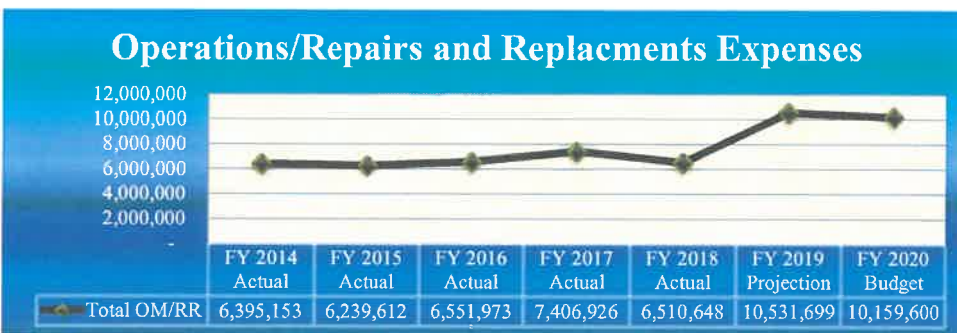
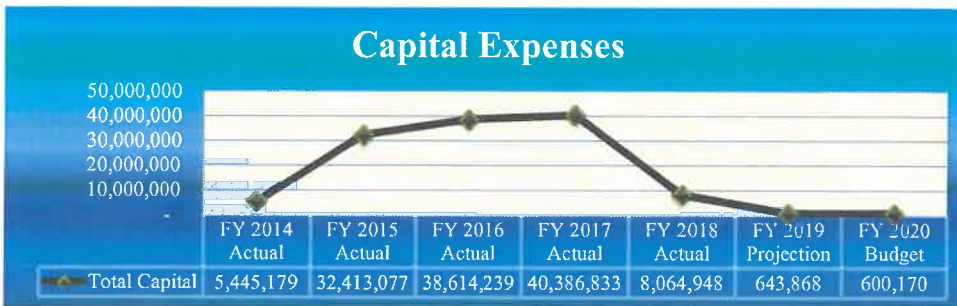


Source: VVWRA FY = Fiscal Year ended June 30

4.11 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 \$2.7 million for FY 2020 (pages 41 and 42) 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.

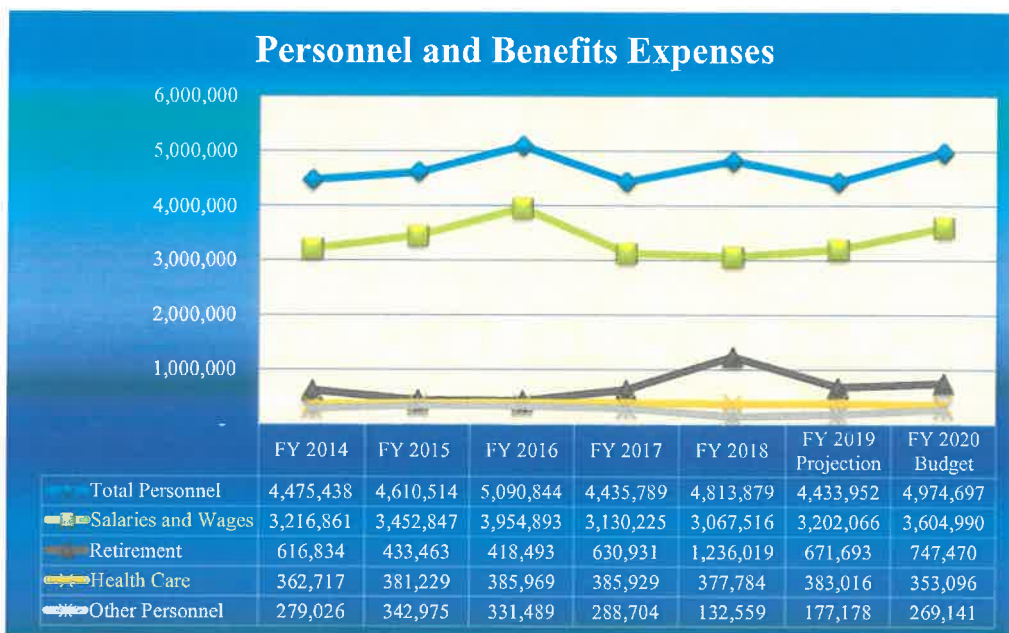


Source: VVWRA - The graphs excludes personnel costs. FY = Fiscal Year ended June 30

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.

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.

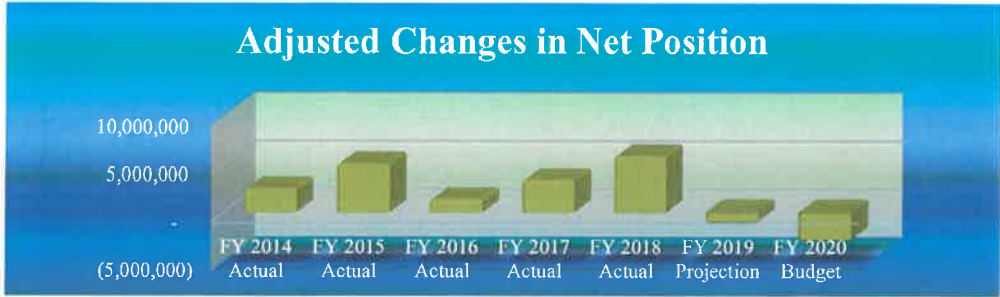


Source: VWRA. FY = Fiscal Year ended June 30

4.12 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 uncollected revenues. 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 at page 54.

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	(3,030,804)	123,300,528	-	(3,030,804)	123,300,528



Source: VFWRA FY = Fiscal Year ended June 30



*Percolation Pond by the Apple Valley
Wastewater Reclamation Plant*



5 Capital Improvement Programs – Overview and Project Descriptions

The Capital Improvement Program (CIP) lists 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.

Pages 56 and 57 focus 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 58, 59, and 60 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.

Comment [BM1]: I would reference the table title



PROJECT NUMBER	PROJECT	DESCRIPTION
6	Storm Water 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	Digester 1-5 Engineering Services	Bringing Digesters 1, 2, and 3 back online requires coordination of the solids, gas, and heating systems. Also Digesters 4 and 5 require inspection of serviceability, design of required repairs, and inspection of repairs prior to putting all digesters back into service.
9	Digester 4&5 Dome Repair	When Digesters 1, 2, and 3 are brought online Digesters 4 and 5 will be emptied and inspected. It is assumed that repair of some extent will be required. The full scope will not be known until they are inspected.
11	Coating Project: UV and DAFTS	The concrete surfaces in these structures need to be coated to extend their working life. This project was identified three years ago and has been repeatedly delayed due to more critical issues. The concrete surfaces are being broken down at the air/water surface interface and need to be addressed.
12	Headworks Replacement	The existing headworks is the original installation from 1980. The concrete has deteriorated to an extent that stop plates used to isolate for service cannot be full installed and makeshift sandbag walls have to be used to limit leakage. It is intended to analyze the extent of required repairs. Evaluate options to improve the situation and present budgetary concepts to evaluate in-place repair versus new location installation.
13	Upgrades to Apple Valley WRP	During the startup of the WRP several items were identified that need to be addressed before we bring the facility online full time. Some of these include better control of the Otoe pump station, flow measurement, check valves on the discharge piping, and electrical enclosures.
15	Oro Grande Interceptor	The line will replace the existing Oro Grande interceptor. The existing line runs across the Mojave River with several manholes out in the channel. The replacement would put a pump station on the Oro Grande side of the river and a force main installed in a micro-tunneled pipe below the river. There would be no manholes and the pipe would be below the scour depth of the river to minimize the risk of failure and spill.
23	Interceptor Risk Assessment Report	The nature of wastewater interceptors includes deterioration of concrete structures by the gas that build in the system. VVWRA has an ongoing program that evaluates and repairs those structures. This Risk Assessment is a tool that helps us identify the priority areas that require repair.

24	Solids Dewatering and Side Stream Study	<p>The liquid side of the Regional Plant has been addressed in several projects in the past 10 years. Water conservancy in the collection system has benefitted the liquid side of the plant. Conversely the solids side has fallen behind. While liquid flows have reduced the solids have increased. Even the Sub-regional plants have helped reduce the liquid flow, but all the solids are still conveyed to the Regional Plant. Septage and ADM flows have also increased the volume of solids we treat. One of the main benefits our site is that we have a large amount of land. Our main dewatering is using solar drying beds, completely at the mercy of the weather. We are currently at a point that the drying beds cannot keep up. VVWRA has a Gravity Belt Thickener (GBT) that helps by mechanically removing water. While this helps it cannot fully solve the problem with expansion of the mechanical dewatering. Also this generates a side stream that is very high in ammonia and needs to be evaporated or treated before running back into the normal flow. This Study would identify options that VVWRA can use in preparing projects to fully address this need.</p>
26	Programmable Logic Control (PLC) Replacement	<p>The Regional Plant used PLCs to control the treatment equipment. These vary in age, capacity, and manufacturers. Many of them are old enough that no replacement parts are available. This replacement project updates these PLCs to newer readily repairable systems</p>
28	Fleet Replacement	<p>VVWRA has an aging fleet of vehicles. This item allows for the oldest to be replaced a few each year.</p>
29	Network Re-design and updates	<p>Electrical control is key to the operation of our facilities. As our systems age there are new systems that provide improved efficiency and cost effective operation.</p>



Percolation Pond at the Regional Plant

5.1 EXPENDITURES BY PROJECTS

The FY 2020 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	-	-
Golf Cart Recharging Station	-	-	15,000	-	-
Microgrid/Battery Storage Project	-	-	80,000	40,000	-
Digital Information Management System (DIMS) Opt	-	-	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	\$ 1,400,000
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	-	-	-
Oasum 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	-	-	-	-	100,000
Accounting Software	-	-	-	100,000	-
Total Information Technology Projects	\$ 100,000	\$ -	\$ -	\$ 352,000	\$ 690,000
TOTAL	\$ 53,645,556	\$ 48,111,352	\$ 4,871,500	\$ 3,217,000	\$ 2,140,000

5.2 PROGRAM SUMMARY

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 (Ignikon)	100%		139,000		139,000					
1	11	Coating Project UV and DAF/TS	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	Ossum 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	100,000	100,000	100,000				
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 Parc. Pond PS	100%		375,000		375,000					
					10,340,630	1,740,000	1,789,000	3,375,000	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	GrWCART 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 Sludgeblanket Line		100%	75,000	75,000						
2	13	Upgrades to AV WRP		100%	100,000	100,000						
2	17	R4A North Lower Narrows MH 3-1 to MH 3-3	65%	35%	1,877,000		50,000	100,000	50,000	1,677,000		
3	18	R7 OH Town VV MH 4-24 to MH 4-25A	61%	39%	1,500,000				100,000	100,000	1,300,000	
3	19	R5 Centax MH 4-7 to 4-14	58%	42%	6,840,000			50,000	100,000	100,000	3,295,000	3,295,000
3	20	R4B South Lower Narrows	47%	53%	492,370						50,000	442,370
1	24	Solids Dewatering and Side Stream Study		100%	50,000	50,000						
TOTAL OF OM/RR/CAPITAL					22,260,000	2,340,000	2,249,000	3,725,000	3,250,000	1,877,000	4,645,000	3,737,370

Wastewater Treatment Projects
 Interceptor Projects
 Administrative Projects



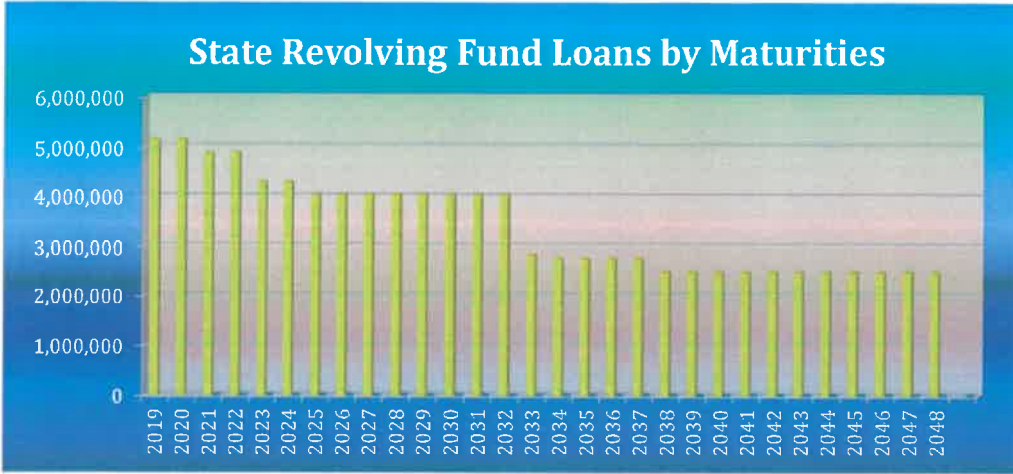
VVWRA Regional Plant



5.3 EXISTING STATE REVOLVING FUND LOAN PAYMENTS BY MATURITIES

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. Next page shows the annual repayments in a graph.

VWRA 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



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 57 for the detail information.

5.4 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	9.3 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	\$ 26,455,329	\$ 37,758,385	\$ 108,362,125
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	\$ -	\$ -	\$ 545,997	\$ 209,921	\$ 145,181	\$ 468,504	\$ 668,668	\$ 2,030,479
Interest	\$ 289	\$ -	\$ -	\$ 225,611	\$ 56,324	\$ 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	\$ 247,325	\$ 548,803	\$ 228,168	\$ 181,699	\$ -	\$ 48,394	\$ 299,535	\$ 427,507	\$ 1,981,131
Interest	\$ 6,427	\$ 31,067	\$ 29,983	\$ 75,384	\$ -	\$ 19,515	\$ 100,196	\$ 143,803	\$ 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	\$ 56,324	\$ 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	\$ 26,455,329	\$ 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	\$ 3,824,893
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

6 History and Demographics

6.1 HISTORY

Victor Valley Wastewater Reclamation Authority (VVWRA) 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. VVWRA is now a joint power public agency of the State of California handling 12.05 million gallons a day.

Over the years, VVWRA 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.

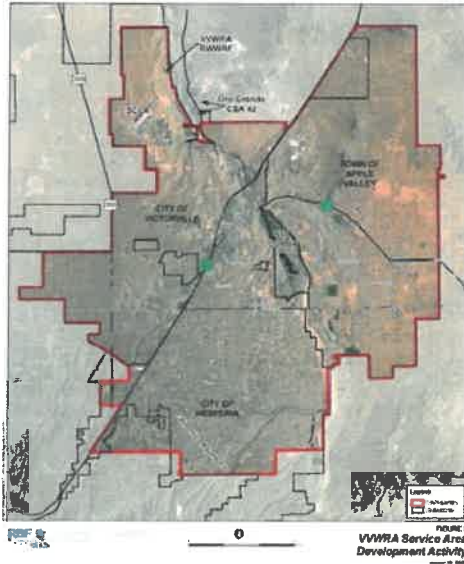


Figure 6-1 VVWRA Service Area



6.2 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.

6.3 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.



6.4 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.

The figures below represent data for the County of San Bernardino based on information from State of California Employment Development Department.

Figure 6-2: Population Growth

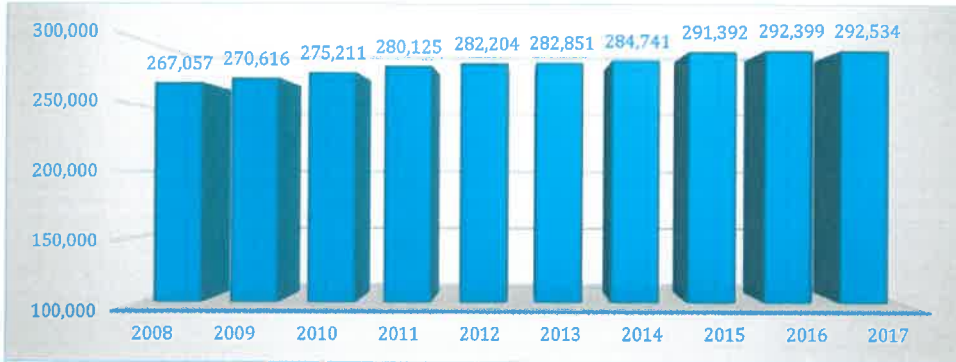


Figure 6-3: Unemployment Rate

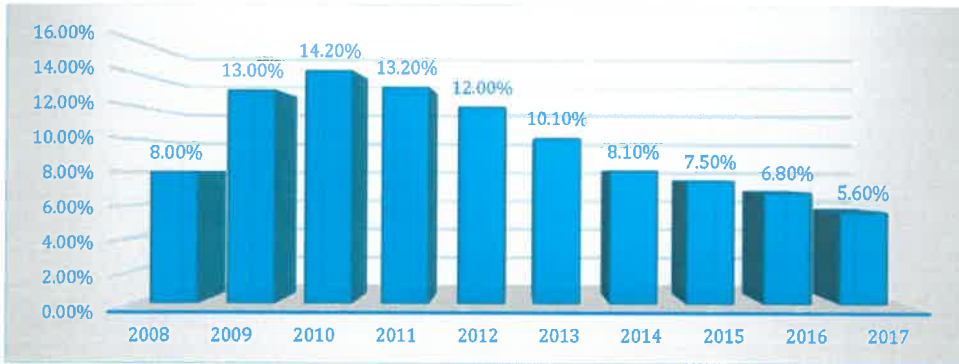
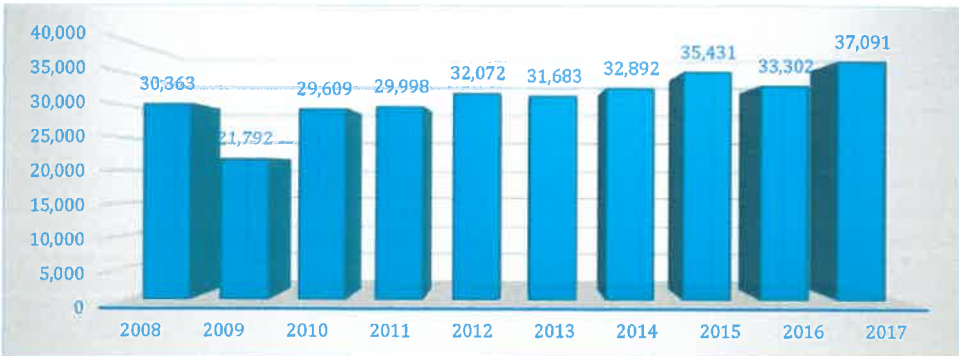


Figure 6-4: Personal Income Per Capita



7 Performance Benchmarked Against Industry

7.1 SEWER OVERFLOW

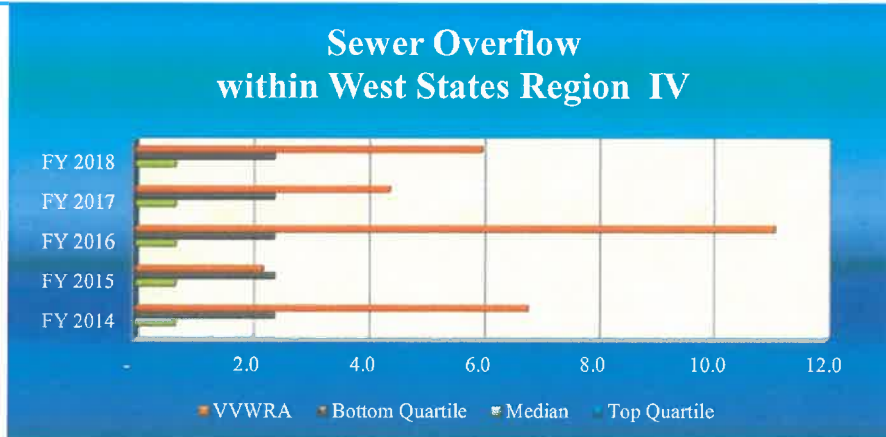
The sewer overflow rate is an indicator that tracks the condition and the effectiveness of the maintenance of the wastewater collection system.

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 spills 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

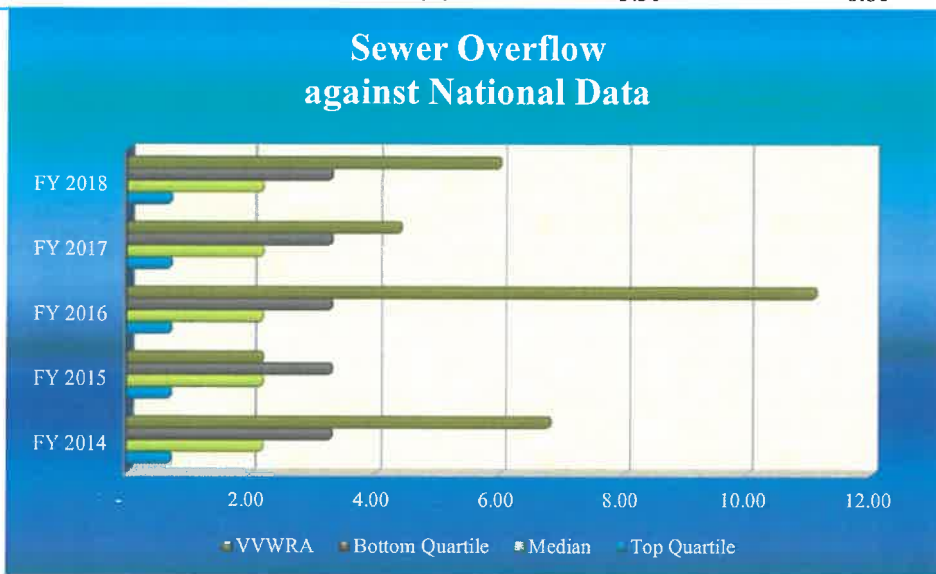
	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	<i>Data Not Available</i>	0.70	2.40	6.00
FY 2017	<i>Data Not Available</i>	0.70	2.40	4.40
FY 2016	<i>Data Not Available</i>	0.70	2.40	11.10
FY 2015	<i>Data Not Available</i>	0.70	2.40	2.20
FY 2014	<i>Data Not Available</i>	0.70	2.40	6.80



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

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

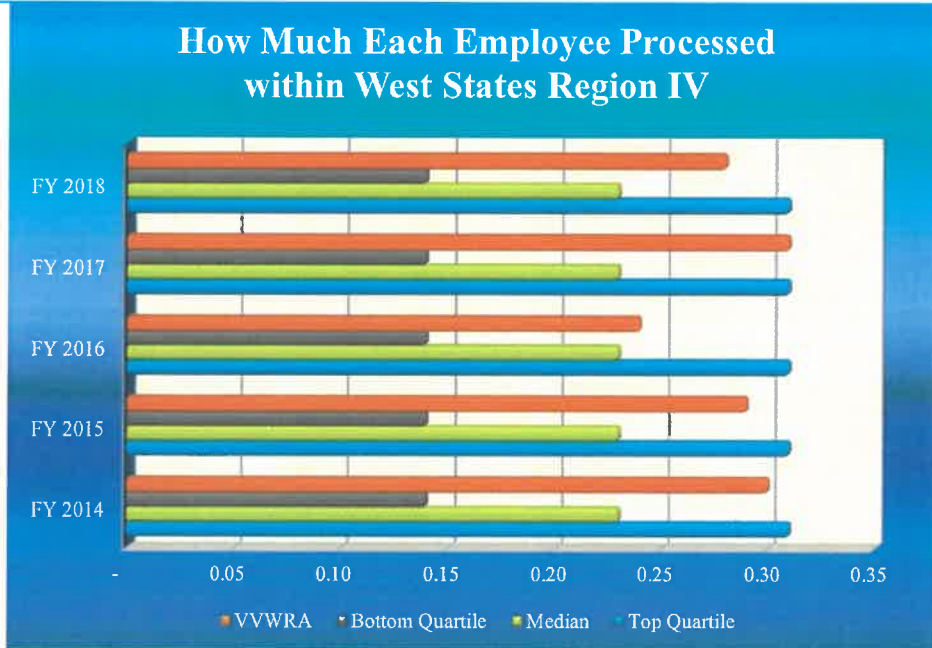
7.2 HOW MUCH EACH EMPLOYEE PROCESSED

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

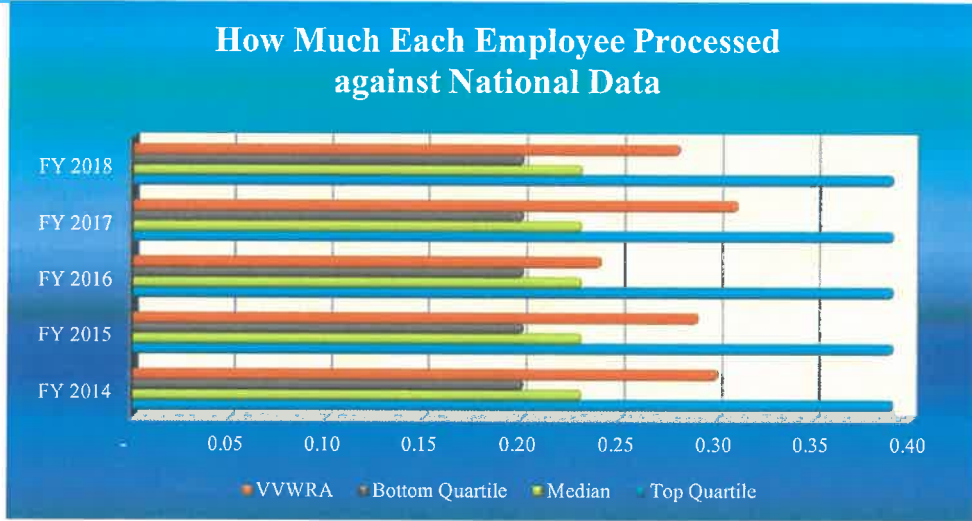


Source: 2012 American Water Works Association Benchmarking analysis FY = Fiscal Year ended June 30

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

How Much Each Employee Processed against National Data



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

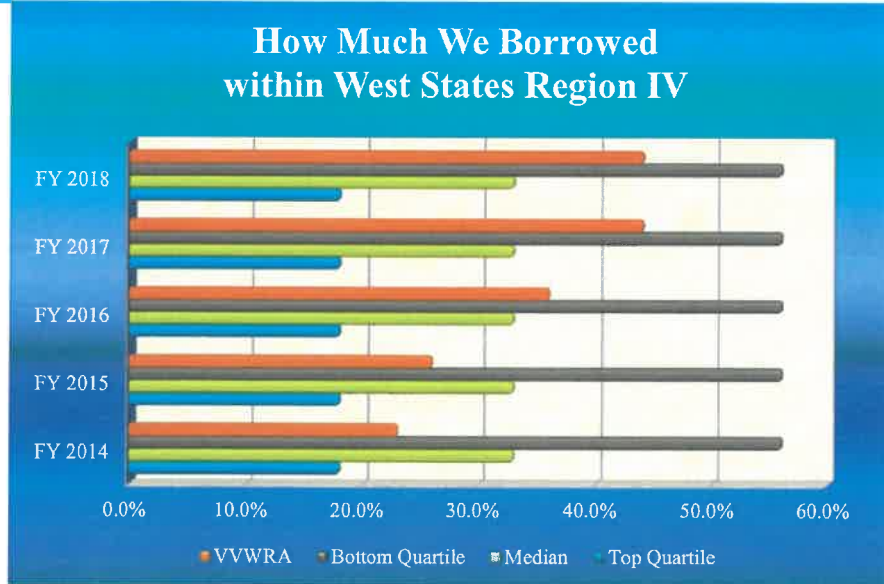
7.3 HOW MUCH VVWRA BORROWED

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

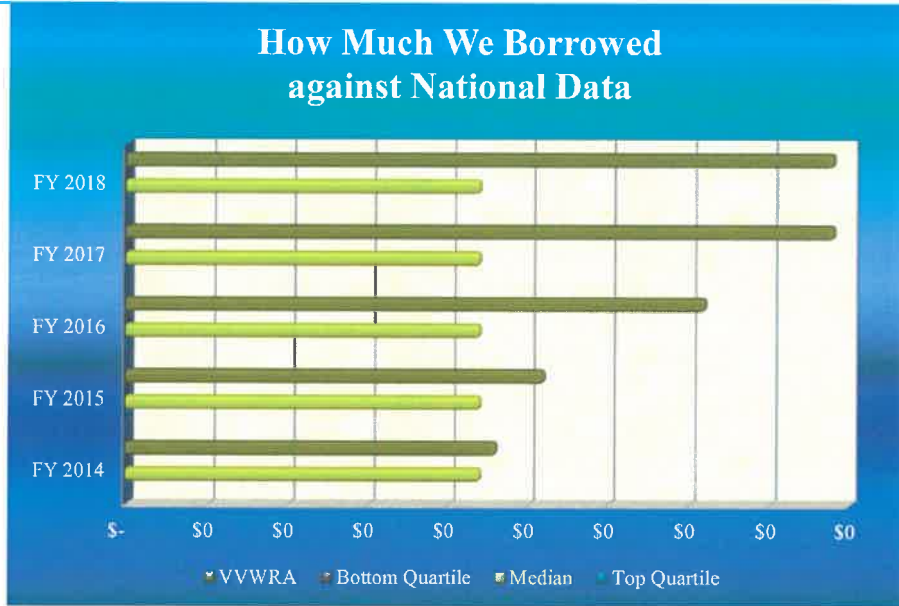
	Top Quartile	Median	Bottom Quartile	VVWRA
FY 2018	18.0%	33.0%	56.0%	44.00%
FY 2017	18.0%	33.0%	56.0%	44.00%
FY 2016	18.0%	33.0%	56.0%	36.00%
FY 2015	18.0%	33.0%	56.0%	26.00%
FY 2014	18.0%	33.0%	56.0%	23.00%



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

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%



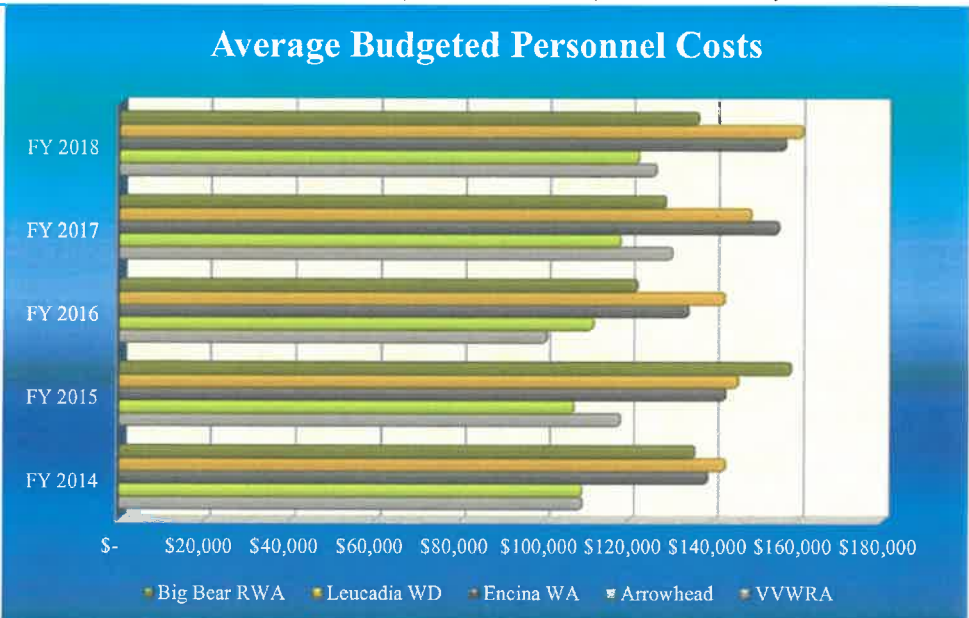
Source: 2012 American Water Works Association Benchmarking analysis FY = Fiscal Year ended June 30

7.4 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



8 Glossary

Term	Definition
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. VWRA 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 VWRA’s wastewater treatment facilities.
Member Agencies	The four government agencies who participate in the joint power agreement with VWRA. 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.

Term	Definition
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 A

Resolution 2019-10

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 A1	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	48,266.00	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		

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	
	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	46,560.40	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	66,664.80	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	6,534.87	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	96,865.80	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

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
	8,568.67	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

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	12,001.80	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	14,816.27	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

July 18, 2019

FROM: Marcos Avila

TO: Brian Macy, Interim General Manager

SUBJECT: Hesperia Lift Station replacement pumps.

RECOMMENDATION

It is recommended that the Board of Commissioners approve the purchase of two Flygt Model NP-3171.095 4" Volute Submersible pumps from Xylem Water Solutions USA, Inc. FLYGT Products not to exceed \$54,258.52

REVIEW BY OTHERS

This recommendation was reviewed by Eugene Davis, Operations & Maintenance Manager, Latif Laari, Business Applications Manager, Robert Coromina Director of Administration and Chieko Keagy Controller, Brad Adams Lead Operator and Alton Anderson Construction Manager.

BACKGROUND INFORMATION

The Hesperia Lift Station (HLS) wet-well is located on Mojave Street just west of Maple and designed to pump wastewater from the collection system on Maple to the Hesperia Water Reclamation Plant (HWRP) through pipes utilizing submersible pumps. The pumps originally installed are not able to handle the high volume of rags, tissues, and flushable wipes. The high volume of rags, tissues, and flushable wipes would cause the pump impeller to clog and create unstable raw influent flows which negatively impacted operations of the HWRP and the Regional Treatment Plant.

VWRA researched a variety of pumps for raw influent lift station applications and rented a Flygt submersible pump from Xylem to confirm the pump's capabilities. The Flygt submersible pump has proven to be stable and performed well. As a result, the treatment processes at both facilities has stabilized without any further shutdowns.

VVWRA asked three pump vendors for pricing, terms, and conditions for Flygt or approved equal pumps (two). The following table summarizes the quotes we received:

Vendor	Terms, conditions, and comments	Price
Xylem Water Solutions	Flygt Model NP-3171.095 4" meets all specifications	\$54,258.52
KSB, Inc.	Unable to guarantee pumps performance	\$41,000 No tax, No Freight
Bear state pumps	Ebara pump will not meet specifications	\$25,812 no tax, No Freight

FINANCIAL IMPACT

Finance Approval:

Fund	01 []	07 [X]	09 []
Account String <i>example: 07-02-50-9000</i>	07-54-525-6011		
Project Code <i>example: C005 for Desert Knoll Wash</i>	9999		
Budgeted Available before This Recommendation	\$60,000		
Budget Applied to This Staff Recommendation	\$54,258.52		
Budget Remaining (Over Budget)	\$5741.48		

RELATED IMPACTS

- Stable wastewater treatment operations.
- Reduce man hours de-ragging pumps.
- Reduce wet-well cleaning intervals.

**Victor Valley Wastewater Reclamation Authority
Quotation Comparison**

Items	Description	Qty	Vendor #1			Vendor #2			Vendor #3								
			Name	Per Unit	Total	+T	+Frt	Name	Per Unit	Total	+Tax	+Frt	Name	Per Unit	Total	+Tax	+Frt
1	Flygt Model NP-3171.095 4"	2	Xylem Water solutions Inc. Contact Derek Dusome Tele phone 951-790-3398	\$23322	\$46,644.20	N	N	KSB, Inc Contact Ramtin Ghasemi Telephone 949-557-7458			N	N	Bear State Pumps Contact Tim Eklund Telephone 949-892-7440			N	N
	KSB																
2	KRTE 100-317/374	2				N	N	\$20500	\$41,000	N	N					N	N
	Ebara model																
3	BX7100DLFU622					N	N				N	N	\$12906	\$25,812	N	N	
4						N	N				N	N				N	N
5						N	N				N	N				N	N
6						N	N				N	N				N	N
7						N	N				N	N				N	N

Plus Sales Tax
Plus Shipping/Freight
Total



**Xylem Water Solutions USA, Inc.
Flygt Products**

June 27, 2019

11161 Harrel Street
Mira Loma, CA 91752
Tel (951) 332-3669
Fax (951) 332-3679

VICTOR VALLEY WW RECLMTN AUTH
20111 SHAY RD
VICTORVILLE CA 92394

Quote # 2019-LAB-0315
Re:Victor Valley Waste Water Pump

Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment.

<u>Pumps</u>				
Qty	Part Number	Description	Unit Price	Extended Price
2	3171.095-5241	NP454-4 30/460/3 65' FM FLS FV	\$ 22,900.00	\$ 45,800.00
Pumps Price				\$ 45,800.00

<u>Electrical</u>				
Qty	Part Number	Description	Unit Price	Extended Price
2	14-40 71 29	MINI-CASII/FUS 120/24VAC,24VDC	\$ 364.00	\$ 728.00
2	14-40 71 30	SOCKET,11-PIN BACK MOUNTING	\$ 58.10	\$ 116.20
Electrical Price				\$ 844.20

<u>Labor to Drill</u>				
Qty	Part Number	Description	Unit Price	Extended Price
2	Drilling	Labor to Drill Volute Flange	\$ 1,000.00	\$ 2,000.00
Labor to Drill Price				\$ 2,000.00
Total Project Price				\$ 48,644.20
Freight Charge				\$ 2,116.00
Total Project Price				\$ 50,760.20

Terms & Conditions

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xylem.com/en-us/Pages/terms->



Customer Acceptance

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

A signed copy of this Quote is acceptable as a binding contract.

Purchase Orders: Please make purchase orders out to: Xylem Water Solutions USA, Inc.

Quote #: 2019-LAB-0315
Customer Name: VICTOR VALLEY WW RECLMTN AUTH
Job Name: Pump
Total Amount: \$ 48,644.20
(excluding freight)

Signature: _____ Name: _____

(PLEASE PRINT)

Company/Utility: _____ PO: _____

Address: _____ Date: _____

Phone: _____

Email: _____

Fax: _____





Date	Quote #
7/9/2019	27606

Account #	Ship Via	Terms	Rep	Written By
	FACTORY	Net 30	TE	Marcos Bazan
Item	Description	Qty	Cost	Total
		1		
			Total	\$13,906.22

(3% SURCHARGE WILL APPLY TO ALL CREDIT CARD PURCHASES)

Signature _____

Water & Wastewater Department



KSB PROPOSAL

Proposal Number:	BL190703A	Date:	07/08/2019
Project Name:	Hesperia Lift Station	Prepared By:	Brad Guang Lu, Phone: (804) 565 8207; E-mail: brad.lu@ksb.com
Prepared for:	Victor Valley Wastewater Reclamation Authority	Customer Contact:	Marcos Avila Phone: (760) 246-2891 Email: Mavila@vwvra.com

Scope of Supply

QTY (1) - KSB model *KRT E 100-317/374XEG-S* Submersible pump with single vane impeller. The motor shall be 50 hp, 1770 rpm, 460 VAC, 3 ph, 60 Hz. Each pump shall be designed to meet the primary duty points of 1042 gpm at 107 ft TDH. Each pump is supplied with 4" X 4" Claw, and motor is XP, IE3, and Class H insulation.

Included in each Pump:

- Power and Control Cable, 50 ft in Length;
- Cast Iron Casing, Impeller, and Casing Wearing Ring with NBR Elastomer;
- Double Mechanical Seal, SiC Vs. SiC, NBR;
- Motor Winding Temperature Sensor; (PTCs)
- Motor Chamber Leakage Sensor; (Electrode)
- Cast Iron 4" X 4" Claw; (To be determined later if installed 4"x6" claw can be Reused)
- Factory standard 2-part Epoxy Coating;

Analysis and Testing:

- QTY (1) Factory Performance Test, Non-Witnessed, HI 2B

No Spare Part/Pump



p	p g	

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_____ \$.

Water & Wastewater Department



TERMS AND CONDITIONS

This offer is governed by KSB's Conditions of Sale (copy attached). KSB is not bound to accept an offer to purchase which is not in accordance with standard KSB Conditions of Sale.

WARRANTY

Twelve (12) months from start-up date and not to exceed Eighteen (18) months from shipping date, whichever occurs first. See attached Warranty Certificate.

Proposal No.: BLXXXXXX

3 of 3

KSB, Inc., 4415 Sarellen Road, Henrico, VA 23231 • Tel. (804) 222-1818 • Fax (804) 226-6961 • www.ksbusa.com



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

July 18, 2019

FROM: Robert Coromina, Director or Administration
TO: Board of Commissioners
SUBJECT: DeLoach & Associates – Letter of Agreement

RECOMMENDATION

It is recommended that the Board of Commissioners approve the Letter of Agreement between VVWRA and Deloach & Associates for the services provided for the Interim General Manager.

REVIEW BY OTHERS

This recommendation has been prepared by Robert Coromina, Director or Administration and reviewed by, Piero Dallarda, Legal Counsel and Chieko Keacy, Controller.

BACKGROUND INFORMATION

The Board of Commissioners and Deloach & Associates entered into an agreement which granted Deloach & Associates the authority to recruit an Interim General Manager to serve during the hiring process for a permanent General Manager. The attached Letter of Agreement is the document provided to VVWRA from DeLaoch & Associates for the services rendered.

FINANCIAL IMPACT

This is an unbudgeted expense.

Finance Approval:

Fund 01 or 07		
Accounting Code (String) example: 01-xx-xxx-xxxx (project code if any)	01-02-300-8140-9999	
Transfer from Reserve	Y []	N [X]
If Transfer, from Which Reserve		
Outside Funding Source if applicable		
Change Order	Y []	N [x]
Original Budget Amount	8140 - \$10,000	

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

Revised Original Contract Amount	\$ N/A
Budget Remaining after the Recommendation	\$
Contract after Change	\$

Original Contract Amount	\$
Budget Remaining after the Recommendation	\$
Contract after Change	\$

RELATED IMPACTS



DELOACH
& ASSOCIATES, INC.

Robert A. DeLoach
President

June 17, 2019

Mr. Robert Coromina
Director of Administration
Victor Valley Wastewater Reclamation Authority
20111 Shay Road
Victorville, CA. 92394

SUBJECT: LETTER AGREEMENT – INTERIM GENERAL MANAGER SERVICES

Dear Mr. Coromina;

The VVWRA desires to retain the services of an interim General Manager until such time as the VVWRA Board of Directors hires a permanent General Manager. DELOACH & Associates, Inc. ("Consultant") will provide interim General Manager and support related services as outlined in the Scope of Work of this Letter Agreement ("Agreement"). The interim General Manager is at all times an employee of Consultant.

Scope of Work

- General Scope of Services - Consultant will perform and assume responsibility for providing interim General Manager and support related services as required by VVWRA on terms and conditions set forth in this Agreement.
- Interim General Manager Duties - The interim General Manager shall provide services typically associated with the responsibilities and duties of a full-time employee General Manager subject to the direction of the VVWRA Board of Commissioners. The interim General Manager shall be in continuous communication with Consultant, the VVWRA Board of Commissioners and VVWRA legal counsel as required in the performance of these duties. The VVWRA Board of Commissioners may direct, limit or expand the duties of the interim General Manager as needed to accomplish the purpose and directives of the VVWRA within the terms of this Agreement.
- Term - The term of this Agreement shall be from June 10, 2019 to October 18, 2019, unless terminated as provided herein. Consultant shall complete the services within the term of the Agreement. Consultant and VVWRA may by mutual consent, extend the term of this Agreement if necessary to complete the services.
- Compensation - Consultant shall receive compensation, including authorized reimbursements for all Services rendered under this Agreement at the rates set

forth in Exhibit "A", "Compensation" attached hereto and incorporated herein by reference.

- Payment – Consultant shall submit to VVWRA a monthly invoice indicating work completed and hours of services rendered by the interim General Manager and Consultant. VVWRA shall, within 30 days of receiving such statement, pay all approved charges.
- Extra Work – At any time during the term of this Agreement, VVWRA may request Consultant perform extra work, which means any work determined by VVWRA to be necessary for the proper completion of the interim General Manager services, but which the parties did not anticipate would be necessary at the execution of this Agreement. Consultant shall not perform, nor be compensated for, extra work without authorization by VVWRA.
- Substitution of Personnel – Consultant has represented to VVWRA that certain key personnel will perform and coordinate the interim General Manager services under this Agreement. Should substitution of key personnel become necessary, Consultant is responsible to substitute personnel of at least equal competence upon approval of VVWRA. VVWRA may request that Consultant substitute key personnel upon notice to Consultant. The key personnel for performance of this Agreement are as follows: Robert DeLoach and Brian Macy.
- Insurance – Consultant shall maintain for the duration of this Agreement worker compensation insurance and insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the Agreement by Consultant, key personnel, its agents and employees.
- Termination of Agreement – VVWRA may terminate this Agreement at any time by written notice to Consultant. Consultant shall be compensated for only those services which have been rendered to VVWRA.
- General Provisions – All notices required under this Agreement shall be provided at the following address.

VVWRA:

Victor Valley Wastewater Reclamation Authority
2011 Shay Road
Victorville, CA. 92394
Attn: Robert Coromina

CONSULTANT:

DELOACH & Associates, Inc.
8780 19th Street, Ste. 402
Rcho.Cucamonga,CA. 91701
Attn: Robert DeLoach

SIGNATURE PAGE

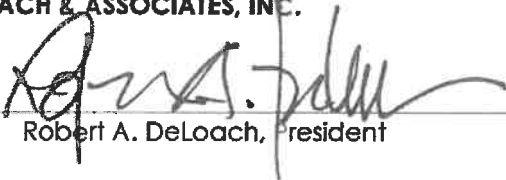
PROFESSIONAL SERVICES AGREEMENT FOR PROVIDING INTERIM GENERAL MANAGER SERVICES FOR VVWRA

VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY

By: _____
Robert Coromina, Director of Administration

Dated: _____

DELOACH & ASSOCIATES, INC.

By:  _____
Robert A. DeLoach, President

Dated: 6-17-19

EXHIBIT A
COMPENSAITON

Interim General Manager hourly rate:	\$110.00
Consultant hourly rate:	\$275.00
Reimbursable expenses:	At cost

Note to Exhibit A:

1. Services under this Agreement are intended to be carried out by the Interim General Manager. Consultant services shall not be included unless authorized in advance by VVWRA.

VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement is entered into as of June 10, 2019 (the “Effective Date”) between Victor Valley Wastewater Reclamation Authority, a California joint powers authority (“VVWRA”) and DeLoach & Associates, Inc., a California corporation (“Consultant”), hereinafter referred to individually as a “party” or collectively as the “parties”.

RECITALS

- (A) VVWRA owns and operates a regional wastewater collection and treatment system located in the Victor Valley region of San Bernardino County, California (“System”).
- (B) The principal owner of Consultant, Robert DeLoach, has been assisting VVWRA with the replacement of the general manager position of the Authority.
- (C) While the evaluation process with respect to the general manager is ongoing, VVWRA desires Consultant to provide management services on an as-needed basis of an individual with the experience necessary to act as an interim general manager (“Interim GM”).
- (D) Consultant has identified an Interim GM and is willing to provide the services of the Interim GM to VVWRA in accordance with the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the foregoing recitals and the mutual covenants and promises set forth herein, it is mutually agreed as follows:

1. Nature of Agreement. This agreement constitutes a binding expression of the understanding of the parties with respect to the services to be provided hereunder and is the sole contract between the parties with respect to the subject matter thereof. There are no collateral understandings or representations or agreements other than those contained herein and the exhibits attached hereto. All modifications to this Agreement must be embodied in a written change order executed by the designated representatives (as defined herein) of Consultant and VVWRA.

2. Scope of Services. Consultant shall provide VVWRA with the consulting services of the Interim GM which are described on Exhibit A attached hereto (the “Services”). The description of the Services represents the parties current understanding of all of the work necessary for the Consultant’s work in connection with providing an Interim GM for VVWRA. Services will be provided on-site at VVWRA or at the offices of Consultant. Any material change in the scope of the Services will be mutually agreed upon by the parties and any such changes that affect the fees payable under this Agreement shall require the written authorization of Consultant and VVWRA.

3. Responsibilities of Consultant.

3.1 Control and Payment of Subordinates; Independent Contractor. The Services shall be performed by Consultant or under its supervision. Consultant will determine the means, methods and details of performing the Services subject to the requirements of this Agreement and except for access to necessary information, data and personnel of VVWRA, Consultant retains the right to perform similar or different services for others during the term of this Agreement. In performing all of the Services, Consultant shall be, and at all times is, acting and performing as an independent Consultant with VVWRA, and not as a partner, coventurer, agent, or employee of VVWRA, and nothing contained herein shall be construed to be inconsistent with this relationship or status. With respect to the Services to be performed under this Agreement, VVWRA and Consultant agree that at all times, any personnel or sub-contractors of Consultant, including the Interim GM, shall remain the separate responsibility of Consultant and no services performed by or on behalf of said personnel or sub-contractors shall create or impute any employment relationship with VVWRA. With respect to the personnel or sub-contractors of Consultant, Consultant hereby acknowledges and agrees that it is solely responsible for the withholding and payment of any sums ordinarily withheld from an employee, such as amounts for state and federal income taxes, state disability insurance, social security, workers' compensation, or unemployment compensation. Notwithstanding the foregoing, while Consultant personnel and sub-contractors are present at VVWRA facilities, they shall comply with the reasonable policies of VVWRA and the direction of VVWRA personnel with respect to matters of safety or security. Consultant shall be responsible for the negligent acts or omissions of its personnel and sub-contractors while present at a VVWRA facility.

3.2 Substitution of Key Personnel. Consultant has represented to VVWRA that Brian Macy will act as the Interim GM on behalf of Consultant and will perform the Services under this Agreement. Consultant will not replace Mr. Macy without the prior written consent of VVWRA. In the event that VVWRA and Consultant cannot agree as to the substitution of key personnel, VVWRA shall be entitled to terminate this Agreement for cause.

3.3 VVWRA Representative. The Chairman of the Board of Commissioners, or his designee, shall act as the VVWRA representative for the day to day performance of this Agreement ("VVWRA Representative") and all requests for information, data or access to personnel shall be made to the VVWRA's Representative or his designee. The VVWRA Representative shall have full authority to represent and act on behalf of VVWRA for all purposes under this Agreement.

3.4 Consultant Representative. Robert DeLoach will be the "Consultant Representative". The Consultant Representative shall have full authority to represent and act on behalf of the Consultant for all purposes under this Agreement. The Consultant Representative shall supervise and direct the Services of the Interim GM in consultation with the VVWRA Representative.

3.5 Actions of Interim GM. In carrying out the Services, the Interim GM shall at all times comply the personnel policies, rules and regulations of VVWRA, and shall act in a professional manner consistent with the highest standards for the position of a general manager of a public agency.

3.6 Laws and Regulations. Consultant shall keep itself fully informed of all local, state and federal laws, rules and regulations related to the performance of the Services.

3.7 Term. The term of this Agreement shall be from June 10, 2019 to October 18, 2019, unless terminated as provided herein. Consultant shall complete the services within the term of the Agreement. Consultant and VVWRA may by mutual consent, extend the term of this Agreement if necessary to complete the Services.

4. Billing and Payments.

4.1 Professional Service Fees. The professional service fees for the Services shall be the actual hourly fees and charges for Services performed in accordance with the fee schedule attached hereto as Exhibit "A".

4.2 Reimbursable Costs and Expenses. All costs and expenses are included in the Consultant's fees and no costs, except for mileage for travel to and from VVWRA's offices in Victorville, California, at the standard reimbursement rate set by the Internal Revenue Service. No other expenses will be reimbursable without the prior written consent of VVWRA.

4.3 Limitation on Fees. Total professional service fees in connection with the Services shall in no event exceed Fifty Thousand Dollars (\$50,000.00) without the prior written consent of VVWRA.

4.4 Changes in Scope. At the time of any written modification in the scope of Services hereunder, any corresponding change in the professional service fees, charges and/or reimbursable costs payable by VVWRA for such Services (including any adjustment to the limitation on fees and/or the monthly invoice limit) shall be set forth in the written change order authorizing same.

4.5 Payment Terms. All payments due to Consultant shall be paid by VVWRA within thirty (30) days of VVWRA's receipt of a proper invoice from Consultant, which invoice shall set forth in reasonable detail the Services performed and all applicable charges, costs and expenses. Notwithstanding the foregoing, the invoice for the month of June will be paid within ten (10) days of presentation by Consultant. In the event that VVWRA disputes any amount due pursuant to Consultant's invoice, VVWRA shall make payment of the undisputed amount of the invoice and shall retain any disputed portion until such dispute has been resolved. In no event shall the VVWRA be subject to a penalty for late payment which exceeds one and one-half percent (1.5%) of the total invoice amount.

5. Termination of the Services.

5.1 By VVWRA. VVWRA shall have the right to terminate the Services without cause upon five (5) business days written notice to Consultant. VVWRA shall further have the right to immediately terminate this Agreement in the event that Consultant is in breach of its obligations hereunder and such breach is not cured, if such breach is curable, within five (5) days of notice thereof.

5.2 By Consultant. Consultant shall have the right to suspend the Services in the event that (i) VVWRA has not made a payment due hereunder within fifteen (15) days of the date it is due; (ii) VVWRA has not made available any information, data or personnel necessary for completion of the Services within fifteen (15) days of the date of the request; or (iii) VVWRA fails to perform any other material obligation of VVWRA hereunder. Consultant shall have the right to terminate this Agreement if any of the foregoing breaches is not cured, if such breach is curable, within fifteen (15) days of notice thereof.

5.3 Effect of Termination. Upon a termination of this Agreement by VVWRA without cause or a termination by Consultant for cause, all amounts for Services actually performed shall immediately become due and payable.

6. Confidentiality. Consultant has previously executed a Confidentiality and Non-Disclosure Agreement which shall apply to the Services and this Agreement. Furthermore, the Interim GM shall execute a separate Confidentiality and Non-Disclosure Agreement with VVWRA in the form attached hereto as Exhibit "B" and all non-public information provided to Interim GM shall be subject to such agreement.

7. Indemnity. To the fullest extent permitted by law, Consultant shall defend, indemnify and hold VVWRA, elected officials, officers, employees, agents, successors and assigns free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, to property or persons, including wrongful death, in any manner arising out of, pertaining to, or incident to any alleged acts, errors or omissions, or willful misconduct of Consultant, its officials, officers, employees, subcontractors, consultants or agents in connection with the performance of the Consultant's Services.

8. Arbitration. Any dispute arising under this Agreement, including, without limitation, all disputes relating in any manner to the performance or enforcement of this Agreement shall be resolved by binding arbitration in the County of San Bernardino, California, pursuant to the rules of Judicial Arbitration and Mediation Services ("JAMS"), as amended or as augmented in this Agreement (the "Rules"). Arbitration shall be initiated as provided by the Rules, although the written notice to the other party initiating arbitration shall also include a description of the claim(s) asserted and the facts upon which the claim(s) are based. Arbitration shall be final and binding upon the parties and shall be the exclusive remedy for all claims subject hereto, including any award of attorney's fees and costs. Either party may bring an action in court to compel arbitration under this Agreement and to enforce an arbitration award. All disputes shall be decided by a single arbitrator. The arbitrator shall be selected by mutual agreement of the parties within thirty (30) days of the effective date of the notice initiating the arbitration. If the parties cannot agree on an arbitrator, then the complaining party shall notify JAMS and request selection of an arbitrator in accordance with the Rules. The arbitrator shall have only such authority to award equitable relief, damages, costs, and fees as a court would have for the particular claim(s) asserted. In no event shall the arbitrator award punitive damages of any kind. The parties acknowledge that one of the purposes of utilizing arbitration is to avoid lengthy and expensive discovery and allow for prompt resolution of the dispute. The arbitrator shall have the power to limit or deny a request for documents or a deposition if the arbitrator determines that the request exceeds those matters which are directly relevant to the claims in controversy. The document demand and response shall conform to Code of Civil Procedure

section 1282.6. The deposition notice shall conform to Code of Civil Procedure section 1283. The parties may make a motion for protective order or motion to compel before the arbitrator with regard to the discovery, as provided in Code of Civil Procedure. Notwithstanding the election by the parties to arbitrate their disputes, nothing contained herein shall prevent a party from filing an action in a court of competent jurisdiction to seek any form of equitable remedy or relief.

9. Interpretation and Parol Evidence. This writing is intended by the Parties as a final expression of their agreement concerning the matters contained herein, and is also intended as a complete and exclusive description of the terms of their agreement. No course of prior dealings between the Parties and no usage of the trade shall be relevant to supplement or explain any term used in this Agreement. Acceptance or acquiescence in a course of performance rendered under this Agreement shall not be relevant to determine the meaning of this Agreement even though the accepting or acquiescing party has knowledge of the nature of the performance and opportunity for objection.

10. Applicable Law. This Agreement shall be governed by the laws of the State of California as effective and in force on the date of this Agreement.

11. Attorney's Fees. The prevailing party in any action to enforce any provision of this Agreement shall be entitled to its reasonable attorney's fees and costs.

12. Situs/Venue. This Agreement shall be deemed to have been made in San Bernardino County, California, regardless of the order of the signatures of the Parties affixed hereto. Any litigation or other legal proceedings which arise in connection with this Agreement, including the enforcement of Section 9 (Arbitration) shall be conducted in a federal or state court located within or for San Bernardino County, California. Consultant CONSENTS TO PERSONAL JURISDICTION AND VENUE IN ANY FEDERAL OR STATE COURT LOCATED WITHIN OR FOR SAN BERNARDINO COUNTY, CALIFORNIA, AND HEREBY WAIVES ANY DEFENSES OR OBJECTIONS THERETO INCLUDING DEFENSES BASED ON THE DOCTRINE OF FORUM NON CONVENIENS.

13. Modifications. No terms or conditions contained in any writing, purchase order, acknowledgment, or form shall be of any effect unless agreed to in a written amendment or modification to this Agreement which has been executed by the designated representative of each party.

14. Waiver. No claim or right arising out of a breach of this Agreement can be discharged in whole or in part by a waiver or renunciation of the claim or right unless such waiver is in writing.

15. Notice. All notices shall be given to the other party at the address set forth below. Notice shall be effective upon receipt or five (5) days after being sent by first class mail, whichever is earlier. Notice given by facsimile shall not be effective unless acknowledged by the receiving party.

16. Assignment or Delegation. Consultant may not assign or sub-contract its rights or obligations under this Agreement without the consent of VVWRA.

17. Severability. It is intended that each paragraph of this Agreement shall be treated as separate and divisible, and in the event that any paragraphs are deemed unenforceable, the remainder shall continue to be in full force and effect so long as the primary purpose of this Agreement is unaffected.

18. Obligations Subject to Applicable Laws. Consultant hereby acknowledges and agrees that VVWRA is a public agency which is subject to certain requirements and limitations. This Agreement and the obligations of VVWRA hereunder are subject to all applicable federal, state and local laws, rules, and regulations, as currently written or as they may be amended from time to time.

19. Documentation. The Parties hereby acknowledge that they have reviewed the following additional documents which are attached to this Agreement and made a part hereof and agree to be bound by the terms and conditions set forth in same:

Exhibit "A" - Scope of Work/Fee Schedule

Exhibit "B" - Confidentiality Agreement

[signature page follows]

IN WITNESS WHEREOF, THE PARTIES HAVE EXECUTED THIS AGREEMENT AS OF THE DATE FIRST SET FORTH ABOVE.

VVWRA

VICTOR VALLEY WASTEWATER
RECLAMATION AUTHORITY, a California joint
powers authority

By: _____
Name: _____
Title: _____

20111 Shay Rd,
Victorville, CA 92394

Phone: (760) 246-8638
Fax: (760) 948-9897
Email: _____

Consultant:

DeLoach & Associates, Inc.
a California corporation

By: _____
Robert DeLoach, President

8780 19th Street, Suite 402
Rancho Cucamonga, CA 91701

Phone: (909) 758-0273
Fax: (909) 527-4368
Email: robertadeloach1@gmail.com

EXHIBIT "A"

SCOPE OF WORK AND FEES

Scope of Work

- General Scope of Services - Consultant will perform and assume responsibility for providing interim general manager and support related services as required by VVWRA on terms and conditions set forth in this Agreement.
- Interim General Manager Duties - The Interim GM shall provide services typically associated with the responsibilities and duties of a full-time employee General Manager subject to the direction of the VVWRA Board of Commissioners. The Interim GM shall be in continuous communication with Consultant, the VVWRA Board of Commissioners and VVWRA legal counsel as required in the performance of these duties. The VVWRA Board of Commissioners may direct, limit or expand the duties of the Interim GM as needed to accomplish the purpose and directives of the VVWRA within the terms of this Agreement.
- Consultant Services - Services under this Agreement are intended to be carried out by the Interim GM. Consultant services shall not be included unless authorized in advance by VVWRA.

Fee Schedule

Interim General Manager hourly rate:	\$110.00
Consultant hourly rate:	\$275.00
Reimbursable expenses:	At cost

EXHIBIT "B"

VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY

CONFIDENTIALITY AND NON-DISCLOSURE AGREEMENT

This agreement is entered into between Victor Valley Wastewater Reclamation Authority (the "Authority") and the undersigned professional services consultant (referred to herein as the "Consultant") of the Authority.

1) In consideration of Consultant's engagement as an independent professional services provider with the Authority, Consultant agrees to the following:

Recitals

- (a) The Authority is a joint powers authority which owns and operates a wastewater collection and treatment system.
- (b) Consultant acknowledges the confidential nature of all information disclosed to the Consultant or generated in the performance of services by the Consultant for the Authority, and whether or not this agreement is executed prior to the commencement of engagement by Consultant, the Consultant was and is aware that the protection of such information as set forth in this Agreement was and is a condition to the Authority's disclosure of information and continuing engagement of Consultant.

As a condition to the Authority employing or engaging Consultant and in consideration of the compensation paid to Consultant, Consultant hereby acknowledges and agrees with Authority as follows:

1. Definition of Confidential Information. As used in this Agreement, the term "Confidential Information" means proprietary and/or confidential information that Authority has or will develop, compile, or own, or that Authority receives under conditions of confidentiality from its member agencies. Confidential Information includes not only information disclosed by Authority (including its employees, agents, independent contractors, and consultants) to Consultant in connection with Consultant's duties, but also information (including inventions) developed or learned by Consultant during the course of the engagement with Authority. Confidential Information is to be broadly defined and includes (i) all information that has been or could have commercial value or other utility in the business in which Authority is engaged or in which it contemplates engaging and (ii) all information that, if disclosed without authorization, could be detrimental to the interest of Authority, whether or not such information is identified as Confidential Information by Authority. By example and without limitation, Confidential Information includes all information on techniques, processes, formulas, trade secrets, inventions, discoveries, improvements, test results, specifications, data, know-how, formats, marketing plans, business plans, strategies, forecasts, unpublished financial information, budgets, and projections.

2. Effective Date. This Agreement will be effective as of the earlier of (i) commencement of engagement by the Consultant with Authority or (ii) the date and time at which any Confidential Information was or is first disclosed to Consultant.

3. Member Agency Enforcement. It is acknowledged and understood that the terms and covenants in this Agreement are for the benefit of both the Authority and the member agencies on whose behalf the Authority performs services. Accordingly, any member agency who discloses information to the Authority under an obligation of confidentiality or for whom the Authority provides services shall have the right to enforce the terms of this Agreement as a third party beneficiary.

4. Protection of Authority's Confidential Information.

(a) At all times during and after the Consultant's term of engagement, Consultant, its employees and contractors, will hold in trust, keep confidential, not make use of, and not disclose or reveal to any third party any Confidential Information, except in the course of Consultant's engagement with Authority and for the benefit of Authority. Consultant will not cause the transmission, removal, or transport of Confidential Information from Authority's place of business without the prior written approval of the General Manager or other individual designated by the Authority. Notwithstanding the foregoing, to the extent that Consultant makes use of non-Authority office space with the consent of the Authority, then Consultant may transport such documents as are necessary to efficiently use such office, provided, however, that Consultant will keep documents in a secure location and shall not transmit documents electronically or in digital form without making use of appropriate security protocols acceptable to the Authority.

(b) Consultant acknowledges that the unauthorized use or disclosure of Confidential Information may be highly prejudicial to the interests of Authority or its member agencies, an invasion of privacy, or an improper disclosure of trade secrets.

5. Prior Knowledge and Prior Relationships.

(a) Consultant has no agreements, relationships or commitments to any other person or entity that conflict with or would prevent Consultant from performing any of Consultant's obligations to Authority under this Agreement.

(b) Consultant will not disclose to Authority, use, or induce Authority to use any proprietary information or trade secrets of others. Consultant represents and warrants that Consultant has returned all property and confidential information belonging to all others.

6. Termination or Completion of Services.

(a) Upon the completion or termination of Consultant's engagement with the Authority, Consultant shall promptly and without request inform Authority of and deliver to Authority all documents and data disclosed during the course of Consultant's engagement and the Confidential Information, whether prepared by Consultant or otherwise, coming into Consultant's possession or control. Consultant shall not knowingly retain any written or other tangible material containing any information concerning or disclosing any Confidential Information.

(b) Following the termination of Consultant's engagement, Consultant will protect the value of the Confidential Information and will take reasonable precautions to prevent their misappropriation or disclosure. Consultant will not disclose or use any Confidential Information for Consultant's benefit or the benefit of any third party, or to the detriment of Authority or its member agencies.

7. Notices. Any notice, report or statement required or permitted under this Agreement will be considered to be given or transmitted when sent by certified mail, postage prepaid, addressed to the party for whom it is intended at its address of record; by personal delivery to the recipient, which Notice is confirmed by signature of same; or by courier or messenger service, which Notice will be effective on receipt by recipient as indicated on the carrier's report. The record addresses of the parties shall be as set forth on the signature page, subject to change upon written notice in accordance with this provision.

8. Amendment. This Agreement may be supplemented, amended or modified only by the mutual agreement of the parties. No supplement, amendment or modification of this Agreement will be binding unless it is in writing and signed by both parties.

9. No Waiver. No waiver of a breach, failure of any condition or any right or remedy contained in or granted by this Agreement will be effective unless it is in writing and signed by the party waiving the breach, failure, right or remedy. No waiver of any breach, failure, right or remedy will be deemed a waiver of any other breach, failure, right or remedy, whether or not similar, nor will any waiver constitute a continuing waiver unless the writing so specifies.

10. Attorney Fees. In any litigation, arbitration or other proceeding by which one party, including a third party beneficiary, either seeks to enforce its rights under this Agreement (whether in contract, tort or both) or seeks a declaration of any rights or obligations under this Agreement, the party receiving injunctive relief or the greater sum of damages will be awarded reasonable attorney fees, together with any costs and expenses, incurred in connection with any such dispute or proceeding or to enforce the final judgment.

11. Governing Law. This Agreement, and any dispute arising from the relationship between the parties to this Agreement, shall be governed and determined by California law, including any laws that direct the application of the law of another jurisdiction.

12. Venue. Venue for any action brought to enforce the terms of this Agreement shall be in the courts of the County of San Bernardino and Consultant hereby submits to the jurisdiction of said courts.

13. Severability. Any provision of this Agreement that in any way contravenes the law of any state or country in which this Agreement is effective will, in that state or country, to the extent the law is contravened, be considered separable and inapplicable and will not affect any other provision or provisions of this Agreement.

14. Binding Effect. This Agreement will inure to the benefit of and be binding on the successors and assigns of Authority and Consultant.

15. Integration. This Agreement, and all other agreements and exhibits referred to in this Agreement constitute the final, complete and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement and supersede all prior and contemporaneous understandings or agreements of the parties. No party has been induced to enter into this Agreement by, nor is any party relying on, any representation or warranty outside those expressly set forth in this Agreement.

16. Warning of Effect of Agreement. CAUTION: THIS AGREEMENT RESTRICTS CONSULTANT'S RIGHT TO DISCLOSE OR USE AUTHORITY'S CONFIDENTIAL INFORMATION DURING OR AFTER SAID ENGAGEMENT.

[SIGNATURE PAGE FOLLOWS]

18. Signature Block. CONSULTANT HAS READ THIS AGREEMENT CAREFULLY AND UNDERSTANDS ITS TERMS.

Dated: _____

CONSULTANT:

Brian Macy

8780 19th Street, Suite 402
Rancho Cucamonga, CA 91701

Phone: (909) 758-0273
Fax: (909) 527-4368

Dated: _____

AUTHORITY:

VICTOR VALLEY WASTEWATER RECLAMATION
AUTHORITY, a California joint powers authority

By: _____
Name: _____
Title: _____

20111 Shay Rd,
Victorville, CA 92394

Phone: (760) 246-8638
Fax: (760) 948-9897



**Victor Valley Wastewater Reclamation Authority (VWRA)
Board of Commissioners
Fiscal Year 2019-2020**

VWRA Commissioners:

Name: Scott Nassif, Councilman – Town of Apple Valley
Title: Board Chair
Term: 2010 to present

Name: James Cox, Councilman – City of Victorville
Title: Vice Chair
Term: 2019 to present

Name: Larry Bird, Councilman – City of Hesperia
Title: Secretary
Term: 2018 to present

Name: Robert Lovingood, Supervisor – County of San Bernardino
Title: Treasurer
Term: 2019 to present

Note: Board positions rotate on an annual basis in the month of July.

Victor Valley Wastewater Reclamation Authority

Ad Hoc Internal Committees 2019-2020

Engineering & Operations Committee	Financial Committee	Administrative Committee
Jim Cox Vice-Chair Larry Bird Secretary Brian Macy Interim General Manager VVWRA staff and Consultants (as needed)	Robert Lovingood Treasurer Scott Nassif Chair Brian Macy Interim General Manager VVWRA staff and consultants (as needed)	Robert Lovingood Treasurer Larry Bird Secretary Brian Macy Interim General Manager VVWRA staff and Consultants (as needed)

Notes:

- Committee meetings focus on issues that are internal to VVWRA
- All Committees meet on an as-needed basis.

RESOLUTION NO. 2019-13

**A RESOLUTION OF THE VICTOR VALLEY WASTEWATER
RECLAMATION AUTHORITY IN RECOGNITION AND APPRECIATION
OF DEDICATED SERVICE TO LOGAN OLDS**

WHEREAS, Logan Olds has been serving as the General Manager of Victor Valley Wastewater Reclamation Authority (VWVRA) since 2006; and

WHEREAS, Mr. Olds' knowledge, experience and accomplishments as General Manager were invaluable during the term of his service to the VWVRA Board of Commissioners; and

WHEREAS, Mr. Olds' has provided steadfast leadership in achieving significant advances for the Victor Valley Wastewater Reclamation Authority, including the construction and start-up of the Apple Valley Subregional, the Hesperia Subregional, the implementation of the Internship Program in conjunction with Victor Valley College, and the establishment of the Waste to Energy Program that has been recognized both locally and nationally for its innovative approach to green, renewable energy; In addition, his leadership and guidance helped VWVRA to construct 5,000 feet of emergency pipeline in just 9 days after a series of storms knocked out the existing pipeline in the Upper Narrows and

WHEREAS, Mr. Olds performed his duties with the utmost diligence and distinction and with perceptive insight of community issues; and

WHEREAS, Mr. Olds has unselfishly given his time, talent and enthusiasm to the protection, development and improvement of the wastewater process, water supplies, and the environment of the High Desert Communities; and

WHEREAS, Mr. Olds' accomplishments as a member of this Agency have created significant, positive, and lasting impacts on the Victor Valley Wastewater Reclamation Authority and the quality of the environment in the Victor Valley.

NOW THEREFORE, BE IT RESOLVED that this Commission does hereby recognize and extend sincere gratitude and appreciation to LOGAN OLDS for his dedicated service and commitment to the Victor Valley Wastewater Reclamation Authority and his concern for all residents of the Victor Valley.

ADOPTED this 18th day of July 2019.

Robert Lovingood, Chair
VWVRA Board of Commissioners

APPROVED AS TO FORM:

Piero C. Dallarda of
Best Best & Krieger LLP

James Cox, Secretary
VWVRA Board of Commissioners

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 July 18, 2019.

Kristi Casteel
Secretary to the Board of Commissioners

Victor Valley Wastewater Reclamation Authority



Financial and Cash Report

June 2019

Victor Valley Wastewater Reclamation Authority
CASH AND RESERVE SUMMARY
 June 30, 2019

G/L Account	Description	Balance
1000	DCB Checking Account	\$ 1,068,126
1030	DCB Sweep Account	447,149
1075	Cal TRUST	6,303,699
1070	LAIF	2,842,833
	Total Cash	\$ 10,661,807

\$65 mil Max

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	1,123,528	-		
Total Cash	\$ 10,661,807	\$ 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
Statement of Net Position
June 30, 2019

<u>Assets and Deferred Outflows of Resources</u>	<u>2019</u>
Current assets:	
Cash and cash equivalents	\$ 11,377,583
Interest receivable	18,238
Accounts receivable	2,329,647
Receivable from FEMA Grants	3,679,746
Accounts receivable - Other	13,939
Allowance for Doubtful Accounts	(89,459)
Materials and supplies inventory	83,104
Prepaid expenses and other deposits	<u>133,481</u>
Total current assets	<u>17,546,279</u>
Fixed assets:	
Capital assets not being depreciated	3,164,250
Capital assets being depreciated	<u>188,768,572</u>
Total capital assets	<u>191,932,822</u>
Total assets	<u>209,479,101</u>
Deferred outflows of resources	
Deferred outflows of resources - pension	<u>1,742,472</u>
Total	\$ <u>211,221,573</u>
<u>Liabilities, Deferred Inflows of Resources, and Net Position</u>	
Current liabilities:	
Accounts payable and accrued expenses	\$ 211,650
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	<u>6,852</u>
Total current liabilities	<u>2,391,341</u>
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	81,928,952
Net Pension Liability	5,750,574
Other payables	<u>347,752</u>
Total non-current liabilities:	<u>90,552,018</u>
Total liabilities	<u>92,943,359</u>
Deferred inflows of resources	
Deferred inflows of resources - pension	<u>89,437</u>
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	<u>(9,299,630)</u>
Total net position	<u>118,188,777</u>
Total	\$ <u>211,221,573</u>

Victor Valley Wastewater Reclamation Authority
Revenues and Expenses
Operations and Maintenance
For the Month Ended June 30, 2019

	Actual June 2019	YTD Actual FY 18-19	Approved Budget FY 18-19
REVENUES			
User Charges	\$ 1,150,922	\$ 13,625,894	13,661,700
Sludge Flow Charge	9,752	105,177	120,000
High Strength Waste Surcharges	-	22,403	20,000
ADM FOG Tipping Fee Revenue	23,073	275,222	200,000
Septage Receiving Facility Charges	61,003	626,029	550,000
Reclaimed Water Sales	464	7,320	25,000
Potable Well Water Sales	53	627	-
Leased Property Income	50	600	-
Interest	115	1,412	-
Pretreatment Fees	4,200	53,600	50,000
Finance Charge	-	-	-
Grant - FEMA/Cal-EMA	-	-	-
Grant - Proposition 1	-	-	-
Grant- Water Recycling	-	-	-
Grant- CEC Microgrid	-	-	-
Sale of Assets, Scrap, & Misc Income	421	5,127	1,200
Total REVENUES	\$ 1,250,053	\$ 14,723,411	\$ 14,627,900
EXPENSES			
Personnel	\$ 286,534	\$ 4,374,596	4,080,784
Maintenance	56,643	1,535,823	2,194,767
Operations	131,046	2,733,922	3,151,072
Administrative	44,300	1,808,819	2,183,749
Construction	-	161,015	-
Total EXPENSES	\$ 518,523	\$ 10,614,175	\$ 11,610,372
Revenues over Expenses before Depreciation, Debt Service and Transfers	\$ 731,530	\$ 4,109,236	\$ 3,017,528
Depreciation Expense	(1,032,625)	(12,436,234)	-
FEMA CalOES Retention	-	-	747,034
DEBT SERVICE			
SRF Principal	-	-	2,094,805
SRF Interest	301,192	748,388	762,842
	\$ 301,192	\$ 748,388	\$ 2,857,647
FUND TRANSFERS IN			
Salary/Benefits Charge from Capital	\$ 8,930	\$ 105,872	-
Admin Charge from Capital	3,393	40,231	-
Total FUND TRANSFERS IN	\$ 12,323	\$ 146,103	\$ -
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	\$ (589,964)	\$ (8,929,283)	\$ (1,842,411)

Victor Valley Wastewater Reclamation Authority
Revenues and Expenditures
Repairs and Replacement
For the Month Ended June 30, 2019

	<u>Actual</u> <u>June 2019</u>	<u>YTD Actual</u> <u>FY 18-19</u>	<u>Approved Budget</u> <u>FY 18-19</u>
REVENUES			
R&R Revenues	\$ _____	\$ _____	\$ _____
Total REVENUES	\$ _____ - \$ _____	\$ _____ - \$ _____	\$ _____ - \$ _____
OTHER FINANCING SOURCES			
SRF Loan Funding	\$ _____ - \$ _____	\$ _____ - \$ _____	\$ _____ - \$ _____
CAPITAL EXPENSES			
Personnel	\$ _____ - \$ _____	\$ _____ - \$ _____	\$ _____ - \$ _____
Maintenance	93,976	635,258	1,204,326
Operations	-	20,433	25,000
Administrative	-	91,756	150,000
Construction	10,000	1,250,453	1,370,000
Total CAPITAL EXPENSES	\$ <u>103,976</u>	\$ <u>1,997,900</u>	\$ <u>2,749,326</u>
Revenues over Expenses before Debt Service and Transfers	\$ <u>(103,976)</u>	\$ <u>(1,997,900)</u>	\$ <u>(2,749,326)</u>
FUND TRANSFERS IN			
Transfer from Operations and Maintenance Fund	\$ _____ - \$ _____	\$ _____ - \$ _____	\$ 2,749,326
Interfund Loan Payment from O&M	-	-	-
Total FUND TRANSFERS IN	\$ _____ - \$ _____	\$ _____ - \$ _____	\$ <u>2,749,326</u>
FUND TRANSFERS OUT			
Salary/Benefits Charge to O & M	\$ _____ - \$ _____	\$ _____ - \$ _____	\$ _____ - \$ _____
Admin Charge to O & M	-	-	-
Total FUND TRANSFERS OUT	\$ _____ - \$ _____	\$ _____ - \$ _____	\$ _____ - \$ _____
Excess Revenues Over Expenses	\$ <u>(103,976)</u>	\$ <u>(1,997,900)</u>	\$ _____ - \$ _____

Accrual Basis

Victor Valley Wastewater Reclamation Authority
Revenues and Expenditures
CAPITAL
For the Month Ended June 30, 2019

	Actual JUNE 2019	YTD Actual FY 18-19	Approved Budget FY 18-19
REVENUES			
Connection Fees	\$ 195,800	\$ 1,969,593	\$ 2,000,000
Title 16 Grant - Subregional	-	-	-
Grant- Water Recycling	-	-	-
Sale of Assets, Scrap, & Misc Income	-	-	-
Interest	18,497	208,355	35,000
Proposition 1 Grant	-	-	-
Proposition 84 Grant	-	-	-
FMV Adjustment	15,539	67,761	-
CEC Microgrid Grant	-	24,788	-
Grant - FEMA/Cal-EMA	-	-	3,105,375
Total REVENUES	<u>\$ 229,836</u>	<u>\$ 2,270,497</u>	<u>\$ 5,140,375</u>
CAPITAL EXPENSES			
Personnel	\$ -	-	\$ 378,554
Maintenance	-	-	-
Operations	-	-	170
Administrative	-	(2,054)	-
Construction	-	62,400	430,000
Total CAPITAL EXPENSES	<u>\$ -</u>	<u>\$ 60,346</u>	<u>\$ 808,724</u>
Revenues over Expenses before Debt Service and Transfers	<u>\$ 229,836</u>	<u>\$ 2,210,151</u>	<u>\$ 4,331,651</u>
DEBT SERVICE			
SRF Principal	\$ -	-	\$ 2,002,675
SRF Interest	100,397	436,496	437,219
	<u>\$ 100,397</u>	<u>\$ 436,496</u>	<u>\$ 2,439,894</u>
FUND TRANSFERS IN			
Capital Recovery - Septage from O&M	\$ -	-	-
Interfund Loan Payment from O&M	-	-	-
Total FUND TRANSFERS IN	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
FUND TRANSFERS OUT			
Salary/Benefits Charge to O & M	\$ 8,930	\$ 105,872	-
Admin Charge to O & M	3,393	40,231	-
Total FUND TRANSFERS OUT	<u>\$ 12,323</u>	<u>\$ 146,103</u>	<u>\$ -</u>
Excess Revenues Over Expenses	<u>\$ 117,116</u>	<u>\$ 1,627,552</u>	<u>\$ 1,891,757</u>

Accrual Basis

Victor Valley Wastewater Reclamation Authority



Operations and Maintenance Report

June 2019

VWRA O&M Monthly Report – June 2019

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

TO: Brian Macy, General Manager
FROM: Operations & Maintenance Staff
SUBJECT: OPERATIONS/MAINTENANCE REPORT
DATE: July 18, 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 June 2019.

	Total	Average
Effluent to Mojave	23.67	0.79
Effluent to Ponds	300.7569	10.0252
		Limit
Biochemical Oxygen Demand (BOD)		10 mg/l
Effluent to Mojave	<5.00	
Percent Removal	>98.598	
		Limit
Total Suspended Solids (TSS)		10 mg/l
Effluent to Mojave	<2.0	
Percent Removal	>99.608	
		Limit
Turbidity		2.0 ntu
30 Day Average	0.27	

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 35.42% removal of influent BOD and 62.701% 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 3.07 % total solids at 78,139 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 2.91 (NTU) during the month of June 2019

The 30 minute settleometer test averaged 61.7 mL/L.

The average "pop time" of the MLSS was >90 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 June. Filter Effluent average Turbidity of 0.87 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 21,592,241 day of gas was created by digesters #4 and 5 for the month of June 2019.

That is an average gas production of 719,741 cf/day.

Digester #4 averaged 367,034 cf/day.

Digester #5 averaged 352,708 cf/day.

Digester Volatile Acid/Alkalinity averaged 0.018 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: 1,603 days

Discharge Sampling

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

Miscellaneous

Maintenance Activities**CMMS Work Order Activity****VWRA KPI Report**7/2/2019
6:54 AM

6/1/2019 - 6/30/2019

KPI	Count	Percent
Planned Work Total	332	
Planned Work Completed	306	92.17%
Planned Work Completed On-Time	265	79.82%
Planned Work Incomplete	26	7.83%
Planned Work Completed Late	47	14.16%
Total Work Completed	742	
Reactive Work Completed	97	13.07%
PM Work Completed	680	76.17%

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.

Preliminary Process

1. Aqua Guard pre-treatment screen inspected and serviced.

 VWRA O&M Monthly Report – June 2019

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2. Headwork's Conveyor Belt Lube & Inspect.
3. Grit classifier monthly lube.
4. Grit pumps 6 month repack.
5. Septage auger brush replacement.

Primary Process

1. All PH and conductivity probes cleaned and calibrated.
2. Influent PH and conductivity probe calibrations complete.

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.

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.

Ultra Violet Disinfection (UV)

VVWRA O&M Monthly Report – June 2019

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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.

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. Sludge lagoon pump repack complete.

Miscellaneous Plant

1. Emergency generator monthly test.
2. Monthly Blower buildings AHU filter replacement.
3. AC compressor replacement O&M chart room.
4. AC compressor replacement MCC Blower building 1

2G/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.

VVWRA O&M Monthly Report – June 2019

2. Monthly gas conditioning skid inspection.

OGPS

1. Monthly Generator Test completed.
2. Pump #1 Deragger system installed.

Hesperia WRP

1. Plant generator test completed.
2. Air scrubber monthly lube.

Hesperia LS

1. Plant generator test completed.
2. HLS wet well cleaning.
3. Pump 2 rental pump installed.

AVWRP

1. Plant generator test completed.
2. Monthly air scrubber blower lube.

AVPS OTOE LS

1. Monthly Emergency generator test.

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.

Victor Valley Wastewater Reclamation Authority



Environmental Compliance Department Report

June 2019

VWRA Environmental Compliance Department
Industrial Pretreatment Program

I. Interceptors Operation and Maintenance:

1. Interceptors cleaning & CCTV:None in June 2019gvg

2. Interceptors Inspections:

The following interceptors were visually inspected for signs of damage, vandalism and evidence of sanitary sewer overflows:

- ✓ South Apple Valley & North Apple Valley.
- ✓ Schedule 1, 2, 3 & 4
- ✓ UNE Bypass HDPE pipe
- ✓ Hesperia, I Ave and Santa Fe.
- ✓ CSA 64
- ✓ Adelanto
- ✓ SCLA1

3. Damage and repair summary:

- ✓ No Damage found during inspections and no repair was needed or performed.

4. Sanitary sewer overflows (SSO) summary:

- ✓ Date of last reportable SSO: June 30th, 2019

5. Interceptors maintenance budget remaining:

- ✓ The fiscal year 2018-2019 Interceptor sewer maintenance amount remaining for sewer cleaning and inspection services is \$5749.10

6. Dig Alert Underground tickets processed:

- ✓ A total of One hundred and Thirty-Nine (139) USA Tickets were received and processed in June 2019.

7. Flow monitoring Studies:

- ✓ A flow monitoring study by ADS Environmental is continuing.

II. Industrial pretreatment Activities:

1. **New Business Questionnaires and permits applications evaluated:**
 - ✓ Five (5) New Business Questionnaires were processed in the month of June 2019.
 - ✓ Zero (0) New Business Inspection was conducted in the month of June 2019.
2. **New permits issued:**
 - ✓ Four (4) New permits were issued in the month of June 2019.
3. **Permit renewals issued:**
 - ✓ Six (6) Class III permit renewals were issued in the month of June 2019.
4. **Work Orders:**
 - ✓ 54 Work Orders were completed in June 2019
5. **Monthly revenues collected, and invoices issued:**
 - ✓ Revenues: \$2,500.00
 - ✓ Invoiced: \$2,900.00

III. Industrial Pretreatment Activities (continued)

1. Current enforcement actions:

- ✓ No Notice of Violations were issued in June 2019.

2. Current active industrial pretreatment permits:

- ✓ The current number of VVWRA's industrial wastewater discharge permits is 429, they are comprised as follows:

1	Class I	Categorical Industrial User
11	Class II	Non-Categorical Significant Industrial User
403	Class III	Non-Significant Industrial User
1	Class IV	Zero Discharge Industrial User
13	Class V	Sanitary Waste Haulers

- ✓ The permitted establishments include:

17	Automotive Service Facility
12	Bakery
1	Brewery/Winery
20	Car Wash/Truck Wash/Bus Wash
3	Coffee Shop
9	Dry Cleaner
296	FSE
22	Grocery Store
3	Hospital
3	Misc. Food
3	Misc. Industrial
4	Other
1	Photographic
1	Print Shop
1	Prison
3	School
4	Water Retail
13	Waste Haulers

- ✓ Permitted businesses are distributed among member entities as follows: 166 in Victorville, 120 in Apple Valley, 116 in Hesperia and 1 in Oro Grande.

Victor Valley Wastewater Reclamation Authority



Environmental Compliance Department

Septage/FOG/ADM Monthly Report

June 2019

1. Septage/FOG/ADM receiving invoices and payments monthly report:

Payments and Invoices period: June 1st thru June 30th – Septage rate per Gallon: \$ 0.0936

FOG/ADM rate per Gallon: \$ 0.04

Receiving invoices

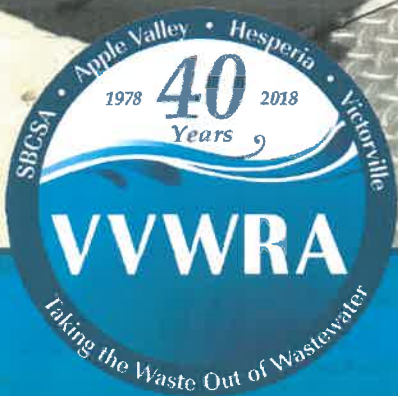
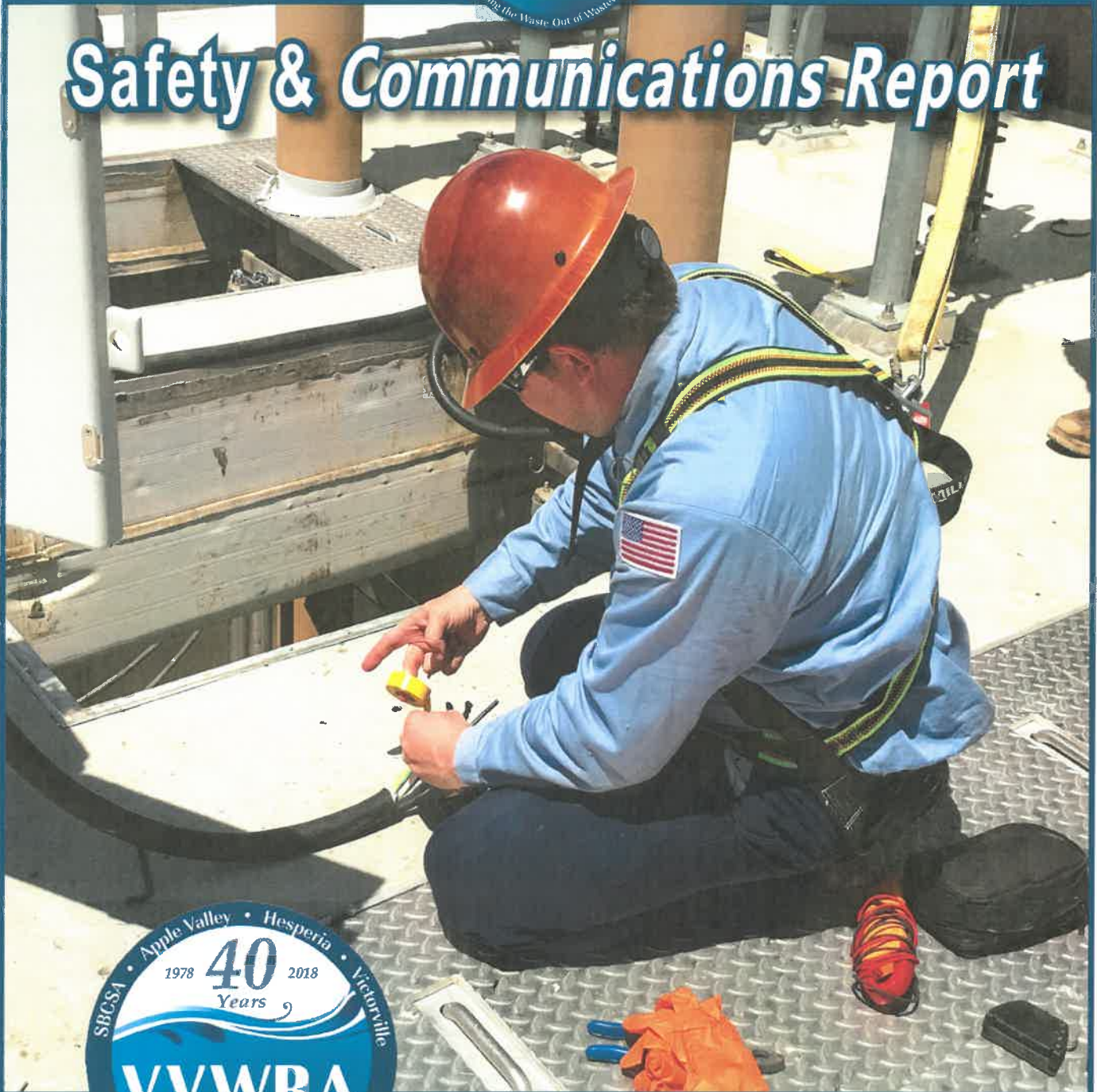
ID No	Septage Hauler	Invoice Date	Total Gallons	Invoice Amount
ABS000	Absolute Pumping	6/28/2019	24,432	\$2,286.84
ALP000	Alpha Omega Septic Service	6/28/2019	136,782	\$12,802.80
BUR000	Burns Septic	6/28/2019	112,000	\$10,483.20
HIT000	Hitt Plumbing	6/28/2019	10,305	\$964.55
HON001	Honest Johns Septic Service, Inc	6/28/2019	77,772	\$7,279.46
ROT001	T.R. Stewart Corp. dba Roto Rooter	6/28/2019	115,010	\$10,764.94
USA000	USA Septic	6/28/2019	93,200	\$8,723.52
ALP000	Alpha Omega Septic Service (Nutro)	6/28/2019	70,928	\$2,837.12
COW000	Co-West Commodities	6/28/2019	150,000	\$6,000
LIQ000	Liquid Environmental Solutions of CA	6/28/2019	0	\$
SMC000	SMC Grease Specialist, Inc.	6/28/2019	328,000	\$13,120.00
WES004	West Valley MRF, LLC Burrtec Waste Industries, Inc.	6/28/2019	0	\$
HIT000	Hitt Plumbing	6/28/2019	2,000	\$80.00
Grand Totals			1,120,429	\$75,342.43

Septage/FOG/ADM receiving payments:

ID No	Business Name	Payments Received
ABS000	Absolute Pumping	\$5,717.09
ALP000	Alpha Omega Septic Service	\$15,316.74
BUR000	Burns Septic	\$21,340.80
HON001	Honest Johns Septic Service, Inc	\$15,305.85
ROT001	T.R. Stewart Corp. dba Roto Rooter	\$10,229.36
USA000	USA Septic	\$6,542.64
ALP000	Alpha Omega Septic Service (Nutro)	\$0
COW000	Co-West Commodities	\$12,240.00
LIQ000	Liquid Environmental Solutions of CA	\$0
SMC000	SMC Grease Specialist, Inc.	\$13,160.00
WES004	West Valley MRF, LLC Burrtec Waste Industries, Inc.	\$0
HIT000	Hitt Plumbing	\$0
Grand Total		\$100,204.00



Safety & Communications Report



June 2019



Safety

STAFF SAFETY TAILGATE/ORIENTATION

- June 6--Be a Safety Leader
- June 13--Surviving the heat
- June 20--Eye protection
- June 25--Slips and falls
- June 27 --reducing back injuries





Safety

SAFETY EVENTS/ TRAINING

- Safety tailgates
- Daily, weekly and monthly plant inspections
- Electrical safety
- Forklift training
- First aid/CPR/AED
- Fit testing and hearing exam

UNSAFE CONDITIONS REPORTED/RESOLVED

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

DAYS SINCE LAST RECORDABLE ACCIDENT/INJURY:
69 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 bi-monthly Administrative staff meetings.
- Safety Committee meeting
- First aid/CPR/AED

Communications

- Represented VWRA at VVC scholarship program. VWRA supports the scholarship recognition program and has an internship program through VVC.
- Maintained VWRA website and social media sites including Facebook & Twitter.





Communications

- Sworn in as treasurer of CWEA/DAMS division.
- Represented VWRA at VMI breakfast.
- Assisted in placing ads and social media posts for new Maintenance Mechanic I position.
- Preparing for about a dozen tours with Chinese exchange students in July.

