

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, February 15, 2018 TIME: 8:00 AM (Closed Session)
8:30 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.

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

- 1. Flow Diversion**
- 2. Potential Litigation-Claim against City of Hesperia**

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

- 3. Threatened or Pending Litigation- Upper Narrows Project**

REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

REPORT FROM CLOSED SESSION

PUBLIC COMMENTS – REGULAR SESSION AGENDA

ANNOUNCEMENTS AND CORRESPONDENCE:

- 4. Possible conflict of interest issues**
- 5. Article: The Final Frontier? Astronauts Could Recycle Their Waste Into Protein Paste**
- 6. Report: WaterWatts: A Modern Look at Wastewater Power-Metering Data**

CONSENT CALENDAR:

- 7. Approve January 2018 Disbursement Registers**
- 8. Approve Minutes from the January 18, 2018 Regular Meeting**
- 9. Recommendation to Ratify Low Voltage Power Emergency Purchases**

REPORTS & PRESENTATIONS:

- 10. Presentation: Organizational Performance Assessment- Robert Adeloach**
- 11. Presentation: Use of Connection Fees 2002-2009**

ACTION & DISCUSSION ITEMS:

- 12. Recommendation to Approve Accounting Software**
- 13. Discussion: Flow Diversion and Withholding of Payment for Services Rendered by the City of Hesperia**

STAFF/PROFESSIONAL SERVICES REPORTS:

- 14. Financial and Investment Report – January 2018**
- 15. Operations & Maintenance Report – January 2018**
- 16. Environmental Compliance Department Reports – January 2018**
- 17. Septage Receiving Facility Reports – January 2018**
- 18. Safety & Communications Report – January 2018**

19. Construction Report – January 2018

NEXT VVWRA BOARD MEETING:

Thursday, March 15, 2018– Regular Meeting of the Board of Commissioners

FUTURE AGENDA ITEMS

Leave Policy

COMMISSIONER COMMENTS

ADJOURNMENT

VVWRA Regular Meeting Agenda

Thursday, February 15, 2018

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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.

The final frontier? Astronauts could recycle their waste into protein paste

By Luke Dormehl — Posted on January 30, 2018 10:07 am

We might sometimes talk about eating crap on a night in, but that's nothing compared to the more literal crap future astronauts could well find themselves chowing down on. That's thanks to researchers at Penn State University, who have been using a research grant from NASA to develop technology for breaking down solid and liquid waste, and transforming it into food that's hygienic and safe for humans — albeit something you probably won't be serving at a dinner party anytime soon. The resulting foodstuff is high in both protein and fat, and apparently not dissimilar to savory British sandwich spread, Marmite.

“This is not the typical research direction for my laboratory, but among other things we do work with unusual microorganisms,” Christopher House, professor of geosciences at Penn State, told Digital Trends. “In 2009, NASA had a call for proposals for educational research projects that advance the topic of space colonization. Lisa Steinberg, who is an environmental engineer, and I proposed to that call the general concept here of coupling anaerobic digestion to microbial growth of non-pathogenic microbes.”

The proof-of-concept system the Penn State researchers built involves sending human waste through a fixed-film, plug-through anaerobic reactor which converts the organic matter into methane and carbon dioxide. The reactor uses a plastic media with a high surface area-to-volume ratio, and is typically used in aquariums and ponds to treat ammonium from fish waste.

“In our reactor, this plastic media provided a surface for the bacteria to attach so the waste material could flow through the reactor and past these microbial biofilms, where the attached microbes would remove organic matter and other nutrients,” Steinberg told Digital Trends. “A special group of bacteria in the reactor, named methanogens, produce methane which we used to grow *Methylococcus capsulatus*, a methane-consuming microbe. Using the gas from the anaerobic reactor allowed us to prevent the transfer of potential pathogens or other unwanted microbes into the reactor growing *M. capsulatus*.”

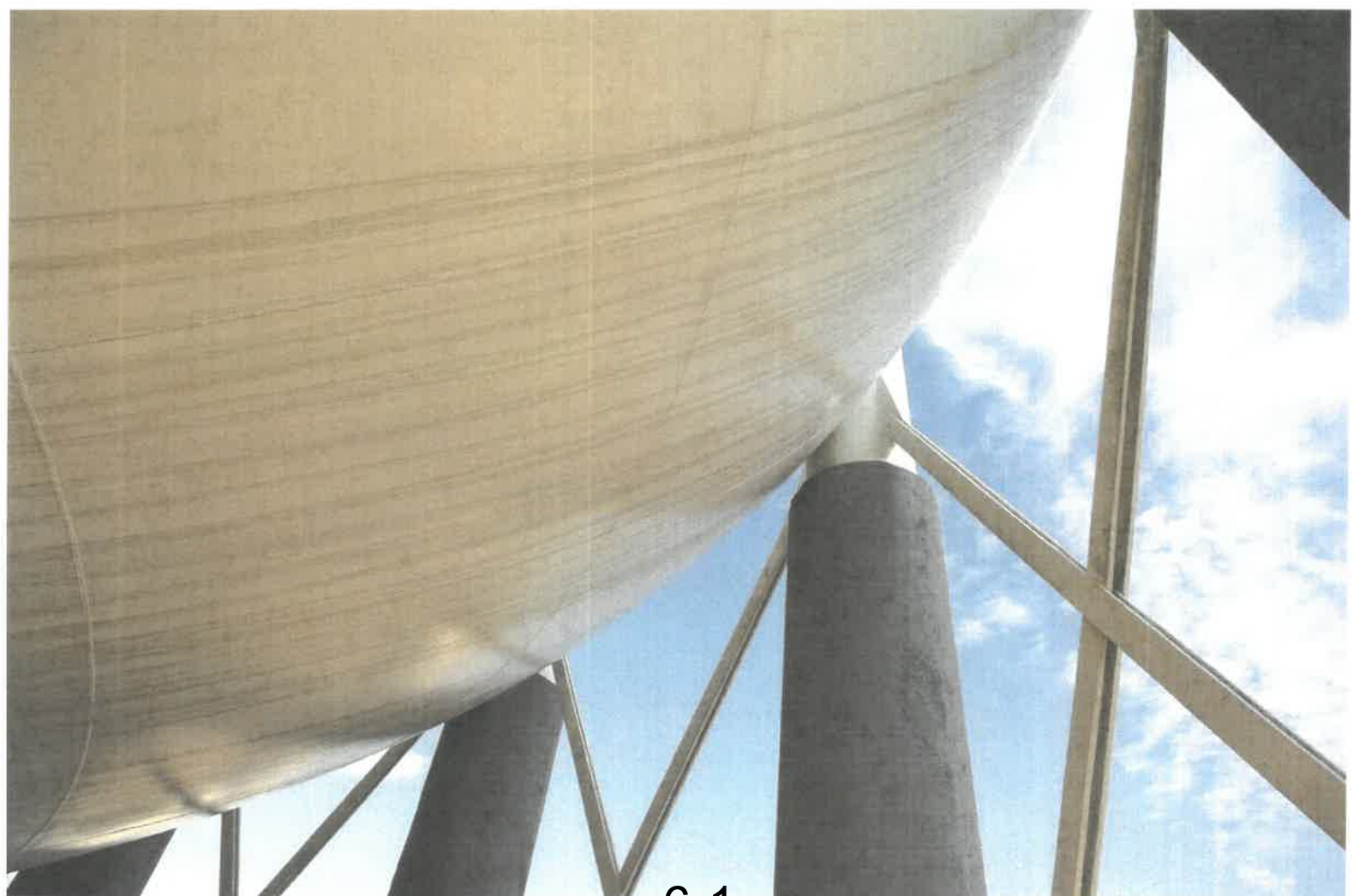
Sadly, the project is currently concluded and Steinberg says “there is nothing else planned,” although she noted that it could be picked up by another research team wanting to continue the work.

“Deep-space flight is really difficult with food production being one of many tough to tackle issues,” House concluded. “I am most excited by the concept that remarkable, and sometimes extreme, microorganisms might help make deep space flight more practical. Naturally, this paper is only a small step, and I think that we have not necessarily found the optimal solution with respect to which microbes are used and how.”



Final Report

WaterWatts: A Modern Look at Wastewater Power-Metering Data



Abstract and Benefits

Abstract:

Energy efficiency approaches in water resource recovery facilities (WRRFs) can be divided into two broad categories: 1) high-efficiency equipment and energy recovery systems that reduce purchased energy use under virtually all operating conditions, and 2) systems that modulate equipment output in response to daily and diurnal variations in plant load conditions. The focus of this research is to investigate the effectiveness of real-world wastewater equipment and control systems in responding to increases and decreases in influent flows, organic loads, and nutrient loads. The analysis is based on a statistical review of daily operating data and electrical data, with a focus on the correlations between blower power consumption and changes in plant influent loads.

This analysis can be used to gauge the effectiveness of automated aeration control systems. There is considerable variation in the industry in the configuration and complexity of these control systems, ranging from manual blower adjustments to sophisticated multi-level dissolved oxygen (DO) and ammonia (NH₃)-based aeration control systems. Variability metrics were also used to help identify plants where barriers to effective equipment modulation exist. The statistical analysis found that energy use, including blower energy consumption, is relatively insensitive to changes in plant loading. Blower energy use in plants that nitrify is correlated primarily with process parameters related to NH₃ removal, although the blower energy response is only 20-30% of the stoichiometric load increase.

The submetering data gathered for this project were also used to compare the energy intensity of diverse secondary treatment configurations, disinfection technologies, and solids treatment approaches.

Benefits:

- Provides an approach to evaluating individual WRRF energy response to process loading relative to other U.S. treatment facilities
- Encourages additional development in ammonia-based aeration controls because this control approach was found to reduce energy use by improving blower energy response to changing load conditions
- Provides energy comparisons at the process level for varying treatment unit processes for use in benchmarking target energy performance

Keywords: Energy, benchmarking, aeration control.

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CHAPTER 7.0

Whole-Plant Electrical Consumption

Although much of this study focused on submetered power to understand the discrete processes and operating variables that influence power consumption, many participating WRRFs were able to provide only whole-plant power. Despite the lack of granularity, whole-plant electrical consumption can be used to make rough comparisons between plant types and to evaluate other broad factors influencing energy consumption. This analysis benefits from the larger number of plants with whole-plant energy data.

Throughout this chapter whole-plant energy use is defined as the power consumed by the WRRF. Many plants have significant onsite power generation, as described in Section 6.5. To focus on industry trends in process energy consumption and efficiency, this generated power was added to the purchased power to derive the whole-plant power consumption used in this chapter's analysis. In other words, WRRFs with onsite generation and therefore reduced purchased power are not shown at reduced levels in the figures below.

7.1 Whole-Plant Energy Consumption Comparison by Plant Size

Figure 7-1 shows influent load-normalized whole-plant energy consumption. At first glance, the WRRFs in this figure appear to follow the trend toward increased normalized energy consumption at smaller facilities presented earlier (Figure 1-2)(WERF, 2011), with seven WRRFs with average flow rates less than 20 mgd showing steeply increasing energy. However, approximately 17 WRRFs of similar size have normalized energy consumption that is comparable to larger WRRFs. The factors underlying the variability in normalized energy between WRRFs are discussed in the following sections.

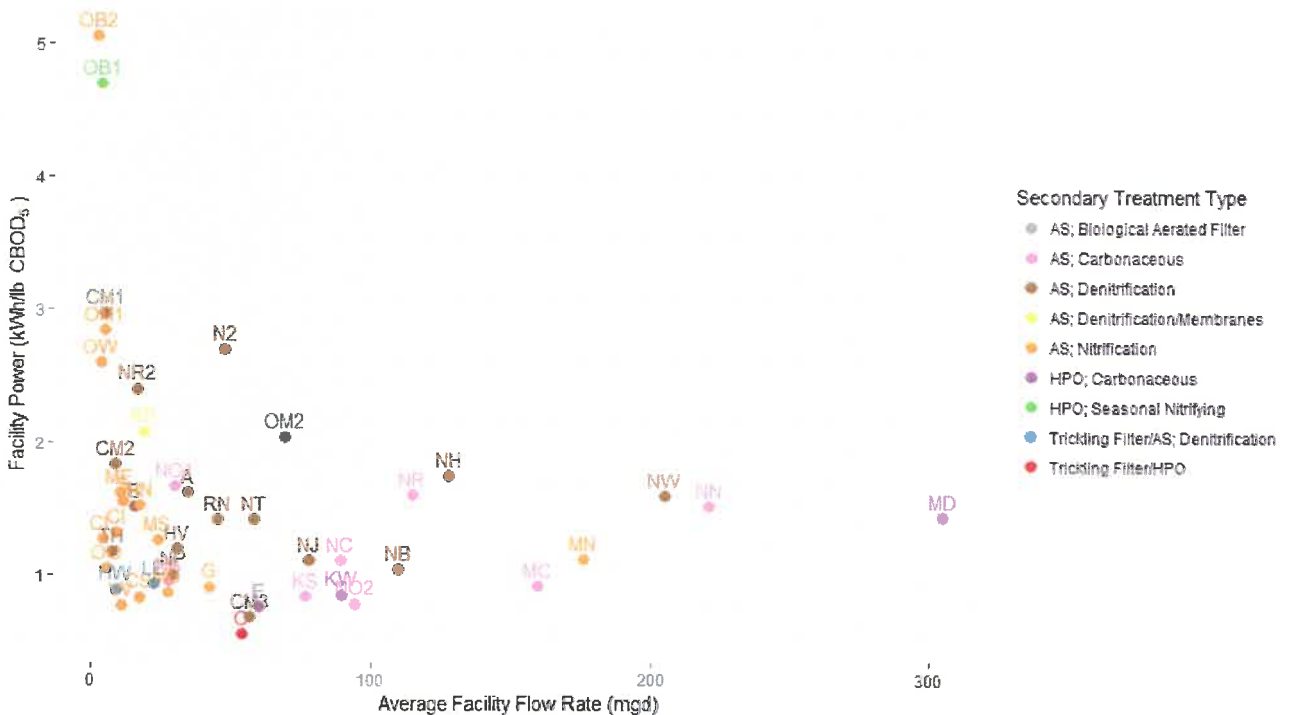


Figure 7-1. Whole-plant energy consumption comparison.

7.4 Energy Impact of BNR and Alternate Secondary Treatment Processes

Figure 7-1 identifies each WRRF by secondary treatment process type. Carbonaceous AS and HPO plants generally have the lowest energy consumption in Figure 7-1, but on a whole-plant basis it is more difficult to discern the higher energy consumption for denitrifying WRRFs (relative to nitrifying WRRFs) that was suggested by the blower power comparison in Figure 3-6. Overall, other factors appear to have more influence on whole-plant energy consumption than secondary treatment type.

7.5 Primary Clarifier Removal Efficiency

The impact of primary clarifier removal efficiency on blower power was considered previously in Section 3.4.3. The slight trend toward lower power consumption in WRRFs with high primary removal efficiency is also visible in the whole-plant energy data shown in Figure 7-3. The trend is most evident when comparing between plants with similar secondary treatment system types. As noted in Section 3.4.3, the primary treatment TSS removal efficiency at several denitrification facilities is lower than for other secondary treatment types.



Figure 7-3. WRRF power consumption vs. primary treatment removal.

7.6 Non-Blower Power

This section compares facilities based on influent load-normalized non-blower power to focus on factors other than aeration power that influence energy consumption. Non-blower power is often dominated by solids processing loads, but also includes influent pumping, RAS pumping, selector mixing, disinfection, administration, lighting, odor control, and HVAC equipment, as well as numerous other equipment loads. The non-blower power was estimated by subtracting the blower electrical use from the total plant electrical consumption.



Figure 7-7. Non-blower power consumption variations by plant loading status and dewatering category.

7.7 Summary of Factors Affecting Whole-Plant Energy

Although there is significant variation between WRRFs, some general trends emerged from our review of whole-plant power data. Table 7-2 summarizes the factors that appear to affect the variability in whole-plant energy from month to month. As noted previously, variability in whole-plant energy consumption is fairly low (CV between 5% and 11%) and most process correlations are weak. Table 7-3 summarizes the factors that appear to influence which WRRFs have the highest whole-plant energy consumption.

Table 7-2. Summary of Factors Affecting Monthly Whole-Plant Power Variations

Factor	Type of WRRF Affected	Relationship	Relative Strength
Plant flow	All	Increasing pumping power with higher flow	Medium
NH ₃ removal	Nitrifying and denitrifying	Increasing blower power with higher NH ₃ removal	Medium
TKN removal	Denitrifying	High winter and spring energy consumption	Weak
Seasonal flow and temperature conditions	Nitrifying and denitrifying	Seasonal patterns vary by secondary treatment type and wet weather pumping impacts	Medium

Table 7-3. Summary of Factors that Increase Average Whole-Plant Power

Factor	Type of WRRF Affected	Relationship	Relative Strength
Primary clarifier removal efficiency	All	Increasing whole-plant power with decrease in primary clarifier efficiency	Medium
Level of BNR	Denitrifying	Higher whole-plant power in many WRRFs with advanced nutrient removal	Medium
WRRF size	All	Higher whole plant and non-blower power not observed at most smaller WRRFs	None
WRRF loading	All	Higher whole-plant power in many WRRFs with loading less than 70% of rated capacity	Weak
Significant pumping head or multiple mainstream pumping systems	All	Higher whole-plant power	Medium
Tertiary treatment or imported solids handling	All	Higher whole-plant power	Medium



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: January 31, 2018

TO: Logan Olds
General Manager

FROM: Chieko Keagy 
Controller

SUBJECT: Cash Disbursements Register

RECOMMENDED ACTION

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

BACKGROUND

The Cash Disbursements Register totals represented below are for the month of JANUARY 2018, check numbers 121354- 121410 and ACH's.

<i>Accounts Payable</i>			
<i>Checks</i>	<i>ACH's and EFT's</i>	<i>Payroll</i>	<i>Total</i>
<i>\$228,604.97</i>	<i>\$1,079,408.37</i>	<i>\$314,040.84</i>	<i>\$1,622,054.18</i>

Victor Valley Reclamation Authority
Cash Disbursement Register
From 1/1/18 through 1/31/18

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Check Amount
121354	1/4/2018	1/4/2018	01	A-Action Automotive	F150 Repairs	\$ 1,051.75
121355	1/4/2018	1/4/2018	01	Alpha Omega Septic Service	Pump and Dump	\$ 3,000.00
121355	1/4/2018	1/4/2018	01	Alpha Omega Septic Service	Pump and Dump	\$ 3,000.00
121355	1/4/2018	1/4/2018	01	Alpha Omega Septic Service	Pump and Dump	\$ 3,000.00
121356	1/4/2018	1/4/2018	01	Liberty Utilities- Apple Valley Ranchos W	Subregional Water Usage- Otoe FS Road	\$ 325.10
121357	1/4/2018	1/4/2018	01	Liberty Utilities- Apple Valley Ranchos W	Subregional Water Usage- Otoe	\$ 1,349.68
121358	1/4/2018	1/4/2018	01	Atmospheric Analysis And Consulting, Inc	Lab Analysis	\$ 1,890.00
121359	1/4/2018	1/4/2018	01	Big Bear Electric, Inc.	Otoe Fiber Run and Coring	\$ 995.00
121359	1/4/2018	1/4/2018	01	Big Bear Electric, Inc.	Pond 13 MOV Conduit Termination and V	\$ 995.00
121360	1/4/2018	1/4/2018	01	Blackline Safety Corp	Loner Device Lease	\$ 210.00
121361	1/4/2018	1/4/2018	01	Russell Blewett	Commissioner Stipend	\$ 100.00
121362	1/4/2018	1/4/2018	01	Detection Instrument Corporation	4 New Odaloggers	\$ 7,363.22
121362	1/4/2018	1/4/2018	01	Detection Instrument Corporation	Odalogger Calibration	\$ 1,386.99
121363	1/4/2018	1/4/2018	01	Flyers Energy, Llc	Gasoline	\$ 547.63
121364	1/4/2018	1/4/2018	01	Hi-Desert Window Washing	Window Washing	\$ 307.00
121365	1/4/2018	1/4/2018	01	James N. Kennedy	Commissioner Stipend	\$ 100.00
121366	1/4/2018	1/4/2018	01	Mojave Desert A.Q.M.D.	Otoe Emergency Generator Permit Renewal	\$ 301.60
121367	1/4/2018	1/4/2018	01	Scott Nassif	Commissioner Stipend	\$ 100.00
121368	1/4/2018	1/4/2018	01	One Stop Printers & Direct Mail Service	ADM/FOG/Septage Manifests	\$ 1,021.05
121368	1/4/2018	1/4/2018	01	One Stop Printers & Direct Mail Service	ADM/FOG/Septage Manifests	\$ 885.24
121369	1/4/2018	1/4/2018	01	Quill Corporation	Office Supplies	\$ 210.83
121370	1/4/2018	1/4/2018	01	Roto-Rooter Plumbers	Sloan Valve Replacement	\$ 550.00
121371	1/4/2018	1/4/2018	01	State Water Resources Control Board	Robert Townsend Grade Two Certification	\$ 60.00
121372	1/4/2018	1/4/2018	01	Thurlow'S Heating & A/C Inc.	Filters	\$ 239.20
121373	1/4/2018	1/4/2018	01	Transcat	Pressure Calibrator Rental	\$ 220.67
121374	1/4/2018	1/4/2018	01	United Rentals Northwest, Inc	Reach Lift Rental	\$ 886.02
121375	1/8/2018	1/8/2018	01	American Crane Training & Consulting	American Crane Training	\$ 460.00
121376	1/8/2018	1/8/2018	01	Battery Mart	Halon Batteries	\$ 36.38
121377	1/8/2018	1/8/2018	01	Fastenal	Gas Scrubber Pit Fittings	\$ 57.96
121378	1/8/2018	1/8/2018	01	Granite Hills High School	SCADA Scholarship	\$ 1,000.00
121379	1/8/2018	1/8/2018	01	Hesperia Hose Supply	Hose Repair	\$ 8.17
121380	1/8/2018	1/8/2018	01	High Desert Lock & Safe	High Desert Lock and Safe	\$ 190.00
121381	1/8/2018	1/8/2018	01	Jams	Advisory Opinion	\$ 20,000.00
121382	1/8/2018	1/8/2018	01	Konica Minolta Business Solutions	Printing Charges	\$ 504.41
121383	1/8/2018	1/8/2018	01	Orkin	Pest Control	\$ 381.53
121384	1/8/2018	1/8/2018	01	Prudential Overall Supply	Uniform Service	\$ 418.40
121384	1/8/2018	1/8/2018	01	Prudential Overall Supply	Uniform Service	\$ 420.03
121384	1/8/2018	1/8/2018	01	Prudential Overall Supply	Uniform Service	\$ 418.40
121385	1/8/2018	1/8/2018	01	Tesco Controls Inc	Otoe Pump Station VFD Replacement Sec	\$ 12,397.00
121385	1/8/2018	1/8/2018	01	Tesco Controls Inc	Otoe Pump Stations Replacement	\$ 646.50
121386	1/8/2018	1/8/2018	01	Transcat	Transcat Supplemental	\$ 220.67
121386	1/8/2018	1/8/2018	01	Transcat	Transcat Supplemental	\$ 220.67
121387	1/8/2018	1/8/2018	01	Tunnel Vision Pipeline Cleaning & Video	Oro Grande CCTV	\$ 3,000.00
121388	1/8/2018	1/8/2018	01	Yale Chase Equipment And Services	Loader Lift Pump	\$ 722.02
121389	1/8/2018	1/8/2018	01	Cintas Corporation	Cintas	\$ 326.97
121390	1/22/2018	1/22/2018	01	A&A Alternators And Starters	Generator Rebuild	\$ 1,500.00
121391	1/22/2018	1/22/2018	01	Apple Valley Chamber Of Commerce	Fees and Dues	\$ 690.00
121392	1/22/2018	1/22/2018	01	Apple Valley Transfer & Storage Db	Shredding	\$ 45.00
121393	1/22/2018	1/22/2018	01	Casa	Logan Olds- Winter Conference Registrati	\$ 550.00
121394	1/22/2018	1/22/2018	01	Concorde Communications	Answering Service	\$ 105.40
121395	1/22/2018	1/22/2018	01	Csrma	2018 Pooled Liability	\$ 112,999.00
121396	1/22/2018	1/22/2018	01	Daily Press	IT Position Job Posting	\$ 1,077.48
121397	1/22/2018	1/22/2018	01	Detection Instrument Corporation	L2 Calibration	\$ 393.59
121398	1/22/2018	1/22/2018	01	Diamond Environmental Services	Porto Potty	\$ 607.64
121399	1/22/2018	1/22/2018	01	Flyers Energy, Llc	Gasoline	\$ 488.67
121400	1/22/2018	1/22/2018	01	Gfoa	Budget Analyst Training	\$ 925.00
121400	1/22/2018	1/22/2018	01	Gfoa	Budget Analyst Training	\$ 925.00
121400	1/22/2018	1/22/2018	01	Gfoa	Budget Analyst Training	\$ 925.00
121401	1/22/2018	1/22/2018	01	G.P. Electric	Mixer A/B	\$ 3,385.45
121402	1/22/2018	1/22/2018	01	High Desert Lock & Safe	Hesperia Subregional Rekeying	\$ 1,589.76
121403	1/22/2018	1/22/2018	01	Hopkins Technical Products, Inc.	Air Diffuser	\$ 60.51
121404	1/22/2018	1/22/2018	01	New Pig Corporation	Spill Kits	\$ 1,848.39
121405	1/22/2018	1/22/2018	01	Transcat	Test Pump Repair	\$ 78.69
121406	1/22/2018	1/22/2018	01	City Of Victorville	Street Lighting Assessment	\$ 11,857.54
121407	1/22/2018	1/22/2018	01	Yale Chase Equipment And Services	Alternator	\$ 1,569.83
121408	1/30/2018	1/30/2018	01	Donna Anthony	Retiree Health Benefit Allowance	\$ 438.00
121409	1/30/2018	1/30/2018	01	Dan Sentman	Retiree Health Benefit Allowance	\$ 212.97
121410	1/30/2018	1/30/2018	01	Uc Regents	CEC Microgrid Battery Storage Project	\$ 14,806.96
Total Checks						228,604.97

Victor Valley Reclamation Authority
Cash Disbursement Register
From 1/1/18 through 1/31/18

00032651349	1/23/2018	1/23/2018	01	State Board Of Equalization	2017 4th Quarter Use Tax	\$	408.00
012318SWG	1/23/2018	1/23/2018	01	Southwest Gas Company	Hesperia Subregional Natural Gas- Appalc	\$	244.72
012318UPS	1/23/2018	1/23/2018	01	Ups	Express Shipping	\$	247.44
01232018SWG	1/23/2018	1/23/2018	01	Southwest Gas Company	Hesperia Subregional Natural Gas- Fresno	\$	25.00
18231-63609468	1/23/2018	1/23/2018	01	Dell Inc.	4 GB Low Profile Heat Spreader	\$	119.76
32309178	1/23/2018	1/23/2018	01	Hesperia Water District	Hesperia Subregional Water Usage	\$	2,234.59
3478928-1	1/5/2018	1/5/2018	01	Advanced Systems	Fleet Vehicle Wash	\$	310.00
3478928-10	1/5/2018	1/5/2018	01	Xylem Water Solutions	Wiper Cylinder Actuator Rebuild Kits	\$	1,917.84
3478928-2	1/5/2018	1/5/2018	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	\$	595.77
3478928-3	1/5/2018	1/5/2018	01	Brentnag Pacific, Inc	Ferrie Delivery	\$	4,820.71
3478928-4	1/5/2018	1/5/2018	09	W.M. Lyles	Subregional Construction	\$	554,917.78
3478928-5	1/5/2018	1/5/2018	01	Principal Life Ins. Co.	Dental and Vision Insurance Jan 2018	\$	2,991.00
3478928-6	1/5/2018	1/5/2018	07	Quinn Company	Emergency Generator Rental	\$	12,592.45
3478928-7	1/5/2018	1/5/2018	01	Siemens Industry Inc.	Verificator Yearly Calibration Certification	\$	1,183.10
3478928-8	1/5/2018	1/5/2018	01	U.S. Bank	Cal Card Charges November 2017	\$	5,113.07
3478928-9	1/5/2018	1/5/2018	01	Waukesha-Pearce Industries, Llc	VFG #4 Service	\$	2,112.66
3478936-1	1/5/2018	1/5/2018	01	Latif Laari	Laari Exam Fees	\$	445.00
3487217-1	1/8/2018	1/8/2018	01	Beck Oil, Inc.	Diesel Delivery	\$	2,259.14
3487217-2	1/8/2018	1/8/2018	01	Brentnag Pacific, Inc	Ferrie Chloride Delivery	\$	5,730.70
3487217-3	1/8/2018	1/8/2018	01	Evoqua Water Technologies Llc	Bioxide Delivery	\$	8,859.91
3487217-4	1/8/2018	1/8/2018	01	Gierlich Mitchell, Inc.	Primary Shear Pins	\$	211.81
3487217-5	1/8/2018	1/8/2018	01	Protection One	Hesperia Subregional Protection One Lab	\$	4,447.98
3487217-5	1/8/2018	1/8/2018	01	Protection One	Protection One Alarm	\$	648.98
3487217-6	1/8/2018	1/8/2018	01	Teledyne Isco, Inc.	Isco Power Supplies	\$	989.77
3487217-7	1/8/2018	1/8/2018	01	Underground Service Alert Of Southern C.	Dig Alert Charges	\$	82.60
3487217-8	1/8/2018	1/8/2018	01	U.S.A. Bluebook	Ferrie Gauges	\$	145.85
3487217-8	1/8/2018	1/8/2018	01	U.S.A. Bluebook	Polymer Pump	\$	1,247.83
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	Assessment District Evaluation	\$	693.00
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	CEQA Matters	\$	1,124.00
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	Contract Review	\$	1,039.50
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	Ethics and Governance	\$	535.50
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	Evaluation of Victorville Project	\$	10,520.00
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	FEMA Audit	\$	2,551.50
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	General- Retainer	\$	11,462.36
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	Labor Matters	\$	698.25
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	Lahotan Reginal Water Quality Control Bo	\$	409.50
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	Projects	\$	38.66
3527499-1	1/18/2018	1/18/2018	01	Best, Best & Krieger, L.L.P.	SRF Loans	\$	535.50
3527499-10	1/18/2018	1/18/2018	01	Rineco Chemical Industries, Inc.	Disposal	\$	1,317.25
3527499-10	1/18/2018	1/18/2018	01	Rineco Chemical Industries, Inc.	Disposal	\$	835.67
3527499-10	1/18/2018	1/18/2018	01	Rineco Chemical Industries, Inc.	Disposal	\$	1,200.76
3527499-11	1/18/2018	1/18/2018	01	Southern California Edison	Electrical Outage Request	\$	996.20
3527499-2	1/18/2018	1/18/2018	01	Biogas Power Systems- Mojave, Llc	Biogas Project	\$	64,119.27
3527499-3	1/18/2018	1/18/2018	01	Fedak & Brown Llp	Audit Services	\$	90.00
3527499-4	1/18/2018	1/18/2018	01	Culligan Water Conditioning	Water Softener	\$	470.00
3527499-5	1/18/2018	1/18/2018	01	Elogger Inc.	Software Maintenance 3/14/18-3/13/19	\$	3,450.00
3527499-6	1/18/2018	1/18/2018	01	Grainger	Batteries	\$	24.82
3527499-6	1/18/2018	1/18/2018	01	Grainger	Gravel Bag	\$	495.65
3527499-6	1/18/2018	1/18/2018	01	Grainger	Hand Warmer	\$	72.15
3527499-6	1/18/2018	1/18/2018	01	Grainger	Packing Seal	\$	64.42
3527499-6	1/18/2018	1/18/2018	01	Grainger	Safety Consumables	\$	668.39
3527499-6	1/18/2018	1/18/2018	01	Grainger	Security Sign	\$	263.43
3527499-7	1/18/2018	1/18/2018	01	Ilink Business Management	Janitorial Services	\$	2,569.76
3527499-7	1/18/2018	1/18/2018	01	Ilink Business Management	Janitorial Services	\$	2,569.76
3527499-8	1/18/2018	1/18/2018	01	Industrial Solution Services, Inc	Urea Solution	\$	1,945.46
3527499-9	1/18/2018	1/18/2018	01	Megrath Rentcorp	Admin Office Lease	\$	3,658.12
3527500	1/18/2018	1/18/2018	01	Michael Koncur	CWEA Test	\$	175.00
3559131-1	1/29/2018	1/29/2018	01	Billings, Richard	Retiree Health Benefit Allowance	\$	438.00
3559131-10	1/29/2018	1/29/2018	01	Randy Main	Retiree Health Benefit Allowance	\$	438.00
3559131-11	1/29/2018	1/29/2018	01	Mark Megec	Retiree Health Benefit Allowance	\$	438.00
3559131-12	1/29/2018	1/29/2018	01	Lillie Montgomery	Retiree Health Benefit Allowance	\$	438.00
3559131-13	1/29/2018	1/29/2018	01	L. Christina Nalian	Retiree Health Benefit Allowance	\$	438.00
3559131-14	1/29/2018	1/29/2018	01	Nave, Patrick	Retiree Health Benefit Allowance	\$	438.00
3559131-2	1/29/2018	1/29/2018	01	Roy Dagnino	Retiree Health Benefit Allowance	\$	438.00
3559131-3	1/29/2018	1/29/2018	01	Tim Davis	Retiree Health Benefit Allowance	\$	438.00
3559131-4	1/29/2018	1/29/2018	01	Terrie Gossard Flint	Retiree Health Benefit Allowance	\$	249.30
3559131-5	1/29/2018	1/29/2018	01	Gillette, Randy	Retiree Health Benefit Allowance	\$	438.00
3559131-6	1/29/2018	1/29/2018	01	Andrew Gyurcsik	Retiree Health Benefit Allowance	\$	438.00
3559131-7	1/29/2018	1/29/2018	01	Thomas Hinojosa	Retiree Health Benefit Allowance	\$	438.00
3559131-8	1/29/2018	1/29/2018	01	Patricia J Johnson	Retiree Health Benefit Allowance	\$	183.34
3559131-9	1/29/2018	1/29/2018	01	Olin Keniston	Retiree Health Benefit Allowance	\$	249.30
3559149	1/29/2018	1/29/2018	01	Primus Power	CEC Battery Install Project	\$	261,236.44
38069686005931	1/5/2018	1/5/2018	01	Southern California Edison	Electricity	\$	45,861.99
77752890005931	1/5/2018	1/5/2018	01	Southern California Edison	Otoe Pump Station Electricity	\$	4,030.96
77752890005932	1/5/2018	1/5/2018	01	Southern California Edison	Subregional Electricity- Otoe	\$	11,079.25
785746	1/23/2018	1/23/2018	01	Konica Minolta Business Solutions	Big Printer Lease	\$	351.02
785746	1/23/2018	1/23/2018	01	Konica Minolta Business Solutions	Individual Printer Lease	\$	662.95
83950026110239	1/23/2018	1/23/2018	01	Southern California Edison	Hesperia Subregional Electricity- Appaloo	\$	7,164.96
83950027690236	1/23/2018	1/23/2018	01	Southern California Edison	Hesperia Subregional Electricity- Fresno	\$	391.15
83977752890239	1/23/2018	1/23/2018	01	Southern California Edison	AV Subregional Electricity- Otoe	\$	4,098.96
CHAR012318	1/23/2018	1/23/2018	01	Charter Communications	Telephone Charges	\$	4,838.08
LINC000 010518	1/5/2018	1/5/2018	01	Lincoln Financial Group	Life and Disability Insurance	\$	3,575.59
LINC000 010518	1/5/2018	1/5/2018	01	Lincoln Financial Group	Life and Disability Insurance	\$	100.66
SOUT006 010518	1/5/2018	1/5/2018	01	Southwest Gas Company	Natural Gas- VVWRA	\$	467.40
UPS000 010518	1/5/2018	1/5/2018	01	Ups	Express Shipping	\$	153.13

Victor Valley Reclamation Authority
Cash Disbursement Register
From 1/1/18 through 1/31/18

UPS000 010518 1/5/2018 1/5/2018 01 Ups

Express Shipping \$ 398.55
Total ACH & EFT 1,079,408.37

APPROVED 020518
C. Coody

Total Checks 228,604.97
Total ACH and EFT 1,079,408.37
Total Payroll - December 2017 314,040.84
Total 1,622,054.18

**MINUTES OF A REGULAR MEETING
REGULAR MEETING OF THE BOARD OF COMMISSIONERS
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY (VWVRA)
January 18, 2018**

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

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

**Larry Bird, Alternate
Jeff Rigney, Vice Chair**

**ABSENT
Jim Kennedy, Treasurer**

VWVRA Staff and Legal Counsel:

**Logan Olds, General Manager
Kristi Casteel, Secretary to GM/Board
Piero Dallarda, Legal Counsel (BB&K)
Alton Anderson, Construction Manager
Chieko Keagy, Controller
Eugene Davis, O&M Manager**

**Marcos Avila, Lead Mechanic
David Wylie, Safety & Communications Officer
Latif Laari, Business Applications Manager
Xiewi Wang, Senior Accountant
Robert Townsend, EC Inspector**

Others Present:

**Nils Bentsen, City of Hesperia
Keith Metzler, City of Victorville
Greg Snyder, Town of Apple Valley
Tom Dodson, Tom Dodson & Associates
Kaitlyn Dodson, Tom Dodson & Associates**

**Anthony Bertrand, Athens
Amy Olsen, SCE
Greg Anderson, SCE
Brian Gengler, City of Victorville**

CLOSED SESSION

PUBLIC COMMENTS- CLOSED SESSION AGENDA

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

Commissioner Kennedy made a motion to enter into Closed Session.

REGULAR SESSION

CALL TO ORDER & PLEDGE OF ALLEGIANCE

Chair Rigney called the meeting to order at 8:43 am.

REPORT FROM CLOSED SESSION

PUBLIC COMMENTS- REGULAR SESSION AGENDA

ANNOUNCEMENTS AND CORRESPONDENCE:

5. **Possible conflict of interest issues**
6. **Article: Power Prices Go Negative in Germany, a Positive for Energy Users**

CONSENT CALENDAR:

7. **Approve December 2017 Disbursement Registers**
8. **Approve Minutes from the December 21, 2017 Regular Meeting**
9. **Recommendation to Ratify Low Voltage Power Emergency Purchases**

Commissioner Kennedy made a motion to approve the consent calendar, seconded by Commissioner Bird and approved by roll call vote.

Chair Rigney: Yes

Commissioner Bird: Yes

Commissioner Kennedy: Yes

REPORTS & PRESENTATIONS:

10. **Presentation: Savings by Design (SCE)**

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Amy Olsen from SCE presented a check for \$92,676.00 for the Savings by Design Program for the Sub regionals.

Greg Anderson with SCE also gave the Board an update on the low voltage issues.

11. Presentation: Mid-year Budget Review (Keagy)

Chieko Keagy gave a presentation on the mid-year budget review.

ACTION & DISCUSSION ITEMS:

12. Resolution 2018-01 Victor Valley Wastewater Reclamation Authority Adopting a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the American Organics Victor Valley Regional Composting Facility Modification Project and Approving the Project

Tom Dodson stated that it seemed fairly straight forward when they first started working on this project. A lot of time was spent assembling information on how American Organics would meet the new requirements set forth by the State. During the process, the San Manuel Tribe stepped forward. There is a very important archeological site just outside the gates of the facility. It is a very old historic area. A lot of time was spent working with San Manuel. When the document was published, San Manuel had a lot of comments. Tom Dodson and his staff worked with San Manuel and VVWRA's legal staff to ensure all of their comments were addressed.

Anthony Bertrand stated that with all the new State regulations on organics diversion, there will be a hundred plus new facilities in the state of California just to meet those new regulations. Organics are no longer allowed to go to a landfill and American Organics is one of those facilities that can assist in taking the organics. Part of the process to comply with the new regulations is upgrading the site. The Water Board gave a brand new permit to American Organics requiring them to have a storm water pond that is completely lined to be able to hold a thousand years storm along with several other upgrades.

Manager Olds stated that the design and improvements are all consistent with what was negotiated as part of the lease extension.

Chair Rigney opened a public hearing 9:08 AM

There were no public comments orally or written received.

Closed public hearing 9:09 AM

Commissioner Bird made a motion to approve the Recommendation, seconded by Commissioner Kennedy

Chair Rigney: Yes

Commissioner Bird: Yes

Commissioner Kennedy: Yes

13. Recommendation for Disposal of Dirt Mixed with Biosolids

Manager Olds stated that VVWRA has an agreement with American Organics to dispose of VVWRA's biosolids as part of their lease terms. Storms several years ago took a ton of dirt and mixed it in with the biosolids, so now it is not just biosolids. American Organics is responsible for finding the locations where this material can be disposed of. It has been extremely difficult, a better part of two years, trying to find a site that could handle this material. They just found one but because the material contains so much dirt and grit, it will damage the equipment that spreads it as part of the process which causes the process to be expensive. To American Organics credit, they said they would contribute \$25,000.00 because they do have some liability for disposing of the material but the bulk of the expense is VVWRA's. We need to get that material out of there because if it stays there to long our facility would have to go through the permit process to become a hazardous material site. This material needs to be removed. Manager Olds stated that his recommendation to the Board is to move forward and authorize him to work with American Organics with an amount not to exceed \$85,000.00 for the disposal of this material.

Commissioner Kennedy made a motion to approve the Recommendation, seconded by Commissioner Bird

Chair Rigney: Yes

Commissioner Bird: Yes

Commissioner Kennedy: Yes

14. Recommendation to Award Contract For SCADA Upgrade

Robert Coromina stated that there were a couple of reasons for this upgrade. Last time the current SCADA system was upgraded was in 2008. At that time the upgrade was top of the line but 10 years later, as you know with technology, it is outdated. This update needs to be done and the system needs to be upgraded. VVWRA is looking to move away from the very expensive system that we are currently using called Wonderware. We also need to prepare for the retirement of key personnel leaving. When this individual leaves, he will be taking key knowledge with him of the current system that we need to spread amongst the rest of the staff. This upgrade will allow the transfer of that knowledge to happen as well.

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Commissioner Rigney asked about the huge price difference between the different bidders.

Robert Coromina stated that the high bidder must have thought it was in their best interest to quote VVWRA for a completely brand new system and not just an upgrade.

Commissioner Kennedy asked if Robert had seen this system in place and asked if Trimax knows what they are doing.

Robert Coromina stated that yes, that is another reason why Trimax is so much lower than the other bidders. They know our system. They have worked on our system and worked with VVWRA. They know exactly what they have to do. The other bidders had the numbers but were not familiar with VVWRA's system.

Commissioner Kennedy made a motion to approve the Recommendation, seconded by Commissioner Bird

Chair Rigney: Yes

Commissioner Bird: Yes

Commissioner Kennedy: Yes

STAFF/PROFESSIONAL SERVICES REPORTS:

- 15. Financial and Investment Report –December 2017**
- 16. Operations & Maintenance Report – December 2017**
- 17. Environmental Compliance Department Reports – December 2017**
- 18. Septage Receiving Facility Reports – December 2017**
- 19. Safety & Communications Report – December 2017**

NEXT VVWRA BOARD MEETING:

Thursday, February 15, 2018 – Regular Meeting of the Board of Commissioners

FUTURE AGENDA ITEMS

Leave Policy

COMMISSIONER COMMENTS

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Commissioner Kennedy read comments into the minutes-

The decisions by the Hesperia City Counsel to not pay their bill for services rendered by VVWRA are unconscionable and I believe it is clearly illegal. It is a violation of their constructional agreement with VVWRA. Since it is a willful action and is not based on their inability to pay, it should be obvious to all of us that their goal is to drive this agency into financial ruin. Further, Mr. Blewett has made the public statement that Hesperia doesn't need VVWRA and that they are more than happy to go it alone. For these reasons, I am asking the Board, and I am sorry that Apple Valley is not here and I'm sorry Russ Blewett is not here. But for these reasons, I am asking the Board to agendize a discussion for the next meeting to consider all possible actions available to us to include the possibility of discontinuing service to the City of Hesperia. The only way I can see to avoid a financial disaster in the next six months, is to reduce costs by reducing operations. The only way to do that is to discontinue service to non-paying customers. Is any of the Board willing to have that discussion at our next meeting?

Chair Rigney said that he was willing to have the discussion about the impact but as far as making demands or taking action, he said he is not ready for that.

Commissioner Bird said that he felt that if the discussion was going to happen that all mitigating factors should be included in that conversation including the flow diversion.

ADJOURNMENT

APPROVAL:


DATE: _____
Approved by VVWRA Board

BY: _____
Scott Nassif, Secretary
VVWRA Board of Commissioners



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

February 15, 2018

FROM: Chieko Keagy, Controller 

TO: Logan Olds, General Manager

SUBJECT: Low Voltage Power and Failure of Standby Generators 1 and 2

RECOMMENDATION

Per Board direction in response to two low voltage power failure emergencies in May of 2017, which damaged standby generators 1 and 2, staff is bringing new expenses before the Board for ratification in the amount of \$12,592.45 that incurred during January of 2018.

REVIEW BY OTHERS

This recommendation was reviewed by Piero Dallarda, Legal Counsel.

BACKGROUND INFORMATION

Please review the attached invoices for the January expenses. The attachment also shows the expenses incurred to date, \$496,882.17. The repair work has been delayed due to GE's scheduling. The staff will continue to incorporate the emergency generator switch gear with the plant standby generator switch gear. Staff believes VWRA will complete the repairs to the standby and emergency generator systems by the March 12, 2018.

FINANCIAL IMPACT

Finance Approval:

Fund 01 or 07	
Accounting Code (String) example: 01-xx-xxx-xxxx (project code if any)	01-02-545-6010 and 01-02-80-6000 From FY 2018 budget
Transfer Needed due to Insufficient Budget	Y[] N[X]
If Transfer, from Which Account String or Reserve	
Budgeted Amount Where Money Comes from	\$ 0.00
Budget Remaining after the Recommendation	
Outside Funding Source if applicable	\$
Original Contract Amount	\$ 0.00

Fund 09	
Accounting Code (String) example: 09-xx-xxx-xxxx (<u>mandatory</u> project code)	
Transfer Needed due to Insufficient Budget	Y[] N[]
If Transfer, from Which Account String or Reserve	
Budgeted Amount Where Money Comes from	
Budget Remaining after the Recommendation	
Outside Funding Source	\$
Original Contract Amount	\$

Change Order	Y[] N[]
Contract after Change	\$496,882.17

Change Order	Y[] N[]
Contract after Change	\$

RELATED IMPACTS

The staff will report progress toward resolving the damages caused by the low voltage power to equipment and ensure that backup power is available in the future if both standby generators are damaged.

**E005 Emergency Expenses
As of 1/31/2018**

Previous Expenses						
Document Number	Document Date	Document Description	Posted Amount	ID	Fund	Account
05222017	5/22/17	Cal Card Charges May 2017	\$ 113.46	USBA000	01	8060
JE054217	6/1/17	Reclass BIGB000 587	\$ 720.00		01	6035
05222017	5/22/17	Cal Card Charges May 2017	\$ 246.72	USBA000	01	8060
17-0042	5/18/17	Emergency Labor for Backwash pumps/Gen hookup	\$ 617.52	DAVI003	01	6035
17-0043	5/18/17	Emergency Labor for Backwash pumps/Gen hookup	\$ 1,075.33	DAVI003	01	6035
05222017	5/22/17	Cal Card Charges May 2017	\$ 162.69	USBA000	01	8060
M00963	5/18/17	Troubleshoot Generator not Producing Volage	\$ 7,776.55	VALL002	07	6000
108799	5/25/17	Emergency Service Call	\$ 5,655.69	TRIM000	01	6035
JE053417	5/31/17	Reclass PACI004 I413398 and I413400	\$ 1,981.96		01	7350
58225	5/24/17	Lucky Chaney	\$ 1,129.44	MORR000	01	6035
589	5/30/17	Emergency Labor	\$ 720.00	BIGB000	01	6035
3005139-0001	6/2/17	Generator 1000KW	\$ 4,457.60	JOHN009	07	6000
JE070217	7/12/17	Reclass JOHN009 3005139-0001	\$ 14,181.25		01	6000
JE063417	6/28/17	Reclass VALL002 B38543	\$ 48,378.54		01	6000
6441-538695	6/13/17	VFD Board for Sludge Lagoon Transfer Pump	\$ 3,384.60	ROYA000	01	6015
B38493	5/4/17	Troubleshoot Generator Failure	\$ 2,163.44	VALL002	07	6010
JE061817	6/22/17	Reclass ROYA000 6441-538695	\$ 257.91		01	6015
CI0011822	6/22/17	Emergency Parts	\$ 1,902.03	DRAK000	01	6035
JE061917	6/22/17	Reclass PACI004 I413399	\$ 6,660.03		01	7350
S-7483	6/28/17	Unstable Unit	\$ 2,515.15	ABAC000	07	6010
0039942-IN	7/11/17	Generator Docking Station	\$ 17,538.07	ESLP000	07	6000
3005139-0002	6/30/17	Emergency Generator	\$ 11,181.25	JOHN009	07	6000
501302763	6/30/17	Emergency Service Commission	\$ 20,950.00	GEIN001	01	6035
JE064817	6/30/17	Reclass VALL002 B38493	\$ 10,367.50		01	6000
501330500	7/25/17	Main Switchboard Modifications	\$ 75,490.90	GEIN002	01	6000
205767	8/30/17	Emergency Service Used Gen BKR & Troubleshooting	\$ 28,739.08	GEIN002	01	6010
695	8/10/17	Otoe Pump Station Door Switch Failure	\$ 760.00	BIGB000	01	6035
B38953	8/23/17	Emergency Gen Service	\$ 2,850.00	VALL002	01	6010
E7002401	7/27/17	Generator Rental	\$ 12,592.45	QUIN002	07	6000
E7002402	8/24/17	Emergency Generator Rental	\$ 12,592.45	QUIN002	07	6000
M01173	7/29/17	Generator 1 Testing	\$ 11,320.25	VALL002	07	6010
E7002403	9/21/17	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	6000
e7002404	10/19/17	Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
501445789	10/30/17	PSG Startup Field Service	\$ 16,351.06	GEIN001	01	6035
17-0175	8/22/17	E005 Generator Termination Cabinet	\$ 109,087.00	DAVI003	01	6060 (42,762.00) 6035 (66,325.00)
E7002405	11/16/2017	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
E7002406	12/14/2017	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
			<u>\$ 484,289.72</u>			

New E005 Expenses

Document Number	Document Date	Document Description	Posted Amount	ID	Fund	Account
E7002407	1/11/2018	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
			<u>\$ 12,592.45</u>			

Total E005 Expenses to Date \$ 496,882.17



10006 Rose Hills Road
City of Industry, CA 90601
(662) 463-4000
www.quinncompany.com

SALES/RENTAL INVOICE

Make : CATERPILLAR INC.
Model : 1000KW
Serial No : 0SXC00893
Equipment No :
Machine ID No : PR2453 Meter Reading : 8344.0

BILL TO : VICTOR VALLEY WASTEWATER REC
* 20111 SHAY RD
VICTORVILLE, CA 92394

PLEASE MAKE REMITTANCE TO: QUINN COMPANY P O Box 848665, Los Angeles, CA 90084-8665	
Invoice No.	E7002407
Invoice Date	01/11/2018
Payment Due Date	02/10/2018
Amount Due	\$12,592.45
Payment Terms	Net 30 Days
Credit Memo Amount	
Customer Account No	712270L
Contract No	E70024
Customer PO Number	14729

Please use Remittance Advice on last page of this invoice.

SHIP TO : WASTE WATER TREATMENT PLANT
VICTORVILLE, CA

WVWRA

Customer Contact: LOGAN OLDS

Quinn Sales Representative: JASON WONDOLLECK

IAN 22 2018

Quinn Store Location: RIVERSIDE, 656 E. LA CADENA DR. RIVERSIDE, CA 92507 Ph. 951-683-5960

INVOICE DETAIL

Contract Number: E70024

Contract Date: 07/02/2017

Invoice Date: 01/11/2018

QTY	DESCRIPTION	DAY	WEEK	4WEEK	PRICE
	ALL RENTAL ITEMS ARE TAXABLE LINE ITEMS WITH (T) ARE TAXABLE				
1	ID NO: PR2453 SERIAL NO: 0SXC00893 1000KW GENERATOR - 1000KW HRS OUT: 8344.0	\$1,120	\$3,360	\$10,080	10,080.00
32	ID NO: CABLE 50' SERIAL NO: CABLE 50' CABLE 4/0 50' -	\$0	\$0	\$0	
QUINN POWER SYSTEMS APPRECIATES YOUR BUSINESS					

Rental Subtotal: 10,080.00

Miscellaneous Items

1	ENV REC FEE 2(T)				201.60
1	FIRE, THEFT & VANDALISM				1,411.20
STATE 7.25% COUNTY 0.5% CITY 1% TOTAL TAX: 8.75%					899.65

Invoice Total:

12,592.45

Go Paperless. To receive your invoices and statements electronically, please visit our website at quinncompany.com.

CARB REGULATIONS Any on-road heavy-duty diesel, alternative-diesel, or off-road diesel vehicle, operated in California, may be subject to the California Air Resources Board In-Use On-Road (Truck and Bus) or In-Use Off-Road Diesel Vehicle Regulations. It therefore could be subject to exhaust retrofit or accelerated turnover requirements to reduce emissions of air pollutants. For more information, please visit the California Air Resources Board websites at <http://www.arb.ca.gov/dieseltruck> for the Truck and Bus Regulation or <http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm> for the Off-Road Regulation. Portable engines operated in California may require State or local air district permitting. Customer is responsible for any required air quality permits necessary to operate this equipment.

TITLE It is understood and agreed that title to and right of possession of any rental item(s) above shall remain vested in the seller until any indebtedness and all sums due or to become due from the customer, whether evidenced by note, book account, judgment or otherwise, shall have been fully paid, at which time ownership shall pass to the customer.

A FINANCE CHARGE OF 1.8% PER MONTH (18% PER ANNUM) will be charged on the past due balance. The past due balance represents all charges remaining unpaid on the closing date of the month following the invoice date. In the event of default in the payment of any amount due, and if the account is placed in the hands of any agency or attorney for collection or legal action, the purchaser agrees to pay finance charges equal to the cost of collection (as permitted by laws governing these transactions). When necessary, Quinn will invoke its repairman's lien pursuant to Sections 3051 and 3051a of the California Civil Code. Acceptance by the customer of the parts, service or equipment listed above is the customer's agreement to be bound by the credit and collection terms set forth above.

Bakersfield • City of Industry • Corcoran • Firebaugh • Foothill Ranch • Fresno • Lancaster
Oxnard • Paso Robles • Pomona • Salinas • Santa Maria • Sylmar • Tulare • Yuma, AZ



10006 Rose Hills Road
City of Industry, CA 90601
(662) 463-4000
www.quinncompany.com

Make : CATERPILLAR INC.
Model : 1000KW
Serial No : OSXC00893
Equipment No :
Machine ID No : PR2453 Meter Reading : 8344.0

SALES/RENTAL INVOICE

BILL TO : VICTOR VALLEY WASTEWATER REC
20111 SHAY RD
VICTORVILLE, CA 92394

SHIP TO : WASTE WATER TREATMENT PLANT
VICTORVILLE, CA

Customer Contact: LOGAN OLDS

Quinn Sales Representative: JASON WONDOLLECK

Quinn Store Location: RIVERSIDE, 656 E. LA CADENA DR. RIVERSIDE, CA 92507 Ph. 951-683-5960

INVOICE DETAIL

Contract Number: E70024

Contract Date: 07/02/2017

Invoice Date: 01/11/2018

QTY	DESCRIPTION	DAY	WEEK	4WEEK	PRICE
-----	-------------	-----	------	-------	-------

Date Out: 06/30/2017 Fri 07:00 AM

APPROVED TO PAY						
F	LO	CC	ACCT	PROJ	DEBIT	CREDIT
07	02	130	7265	E005	12,592.45	
BY		DATE:		PO		

Billed for 4 weeks from 12/15/2017 7:00 AM thru 1/12/2018 7:00 AM

CUT HERE AND RETURN WITH REMITTANCE

VICTOR VALLEY WASTEWATER REC
20111 SHAY RD
VICTORVILLE, CA 92394

Invoice No. : E7002407
Invoice Date : 01/11/2018
Due Date : 02/10/2018

Account Number : 712270L
Purchase Order No : 14729
Payment Terms : Net 30 Days
Contract Number : E70024

Please send your
Payment to:

Amount Due :	\$12,592.45
Amount Paid	

QUINN COMPANY
PO Box 849665
Los Angeles, CA 90084-9665

Place this coupon in the return envelope
with the mailing addresses clearly visible.



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

February 15, 2018

FROM: Chieko Keagy, Controller *ck*

TO: Logan Olds, General Manager

SUBJECT: Recommendation to Select Finance Software

RECOMMENDATION

It is recommended that the Board of Commissioners authorize the General Manager to enter into a contract with Tyler Technologies (Tyler) for its accounting software including inventories and basic budget feature in the amount not exceeding \$180,737.00.

REVIEW BY OTHERS

This recommendation was submitted for a review by Finance Committee. VVWRA staff did not receive any objections to select the Tyler software. The Finance Committee consists of George Harris, Deputy City Manager/Treasurer of City of Victorville; Kofi Antobam, Director of Finance of Town of Apple Valley; Anne Duke, Acting Finance Department Head of City of Hesperia; and Carolina Mendoza, Administrative Supervisor I of San Bernardino County. This recommendation was also reviewed by Piero Dallarda, Legal Counsel; Robert Coromina, Director of Administration; and Latif Laari, Business Applications Manager.

BACKGROUND INFORMATION

During the last ten years since 2008, Accounting Department has endeavored to use the existing accounting software to its full extent. Per the September 21, 2017 Board approval, the staff released the invitation to bid on the software (RFP No.2017-02) on October 2, 2017. After vigorous selection process, the staff recommends *Incode*, the accounting software that Tyler Technologies has developed. This software effectively addresses VVWRA's needs for a "pooled cash" handling and inter-fund allocations among various features. Also Tyler's bid was the lowest responsive bid.

FINANCIAL IMPACT

Finance Approval:

Fund 01 or 07	
Accounting Code (String) example: 01-xx-xxx-xxxx (project code if any)	07-02-530-8120
Transfer Needed due to Insufficient Budget	Y[] N[X]
If Transfer, from Which Account String or Reserve	

Fund 09	
Accounting Code (String) example: 09-xx-xxx-xxxx (<u>mandatory</u> project code)	
Transfer Needed due to Insufficient Budget	Y[] N[]
If Transfer, from Which Account String or Reserve	

Budgeted Amount Where Money Comes from	\$150,000 – FY2018 \$ 30,737 – FY2019
Budget Remaining after the Recommendation	
Outside Funding Source if applicable	\$
Original Contract Amount	\$ 0.00
Change Order	Y[] N[]
Contract after Change	\$180,737.00

Budgeted Amount Where Money Comes from	
Budget Remaining after the Recommendation	
Outside Funding Source	\$
Original Contract Amount	\$
Change Order	Y[] N[]
Contract after Change	\$

RELATED IMPACTS

This new technology would benefit VVWRA as an organization-wide, coordinating with physical inventories and basic budget functions.

Victor Valley Wastewater Reclamation Authority



Financial and Cash Report

January 2018

Victor Valley Wastewater Reclamation Authority
CASH AND RESERVE SUMMARY
 February 5, 2018

G/L Account	Description	Balance
1000	DCB Checking Account	\$ 1,136,556
1030	DCB Sweep Account	1,565,489
1075	Cal TRUST	3,086,773
1070	LAIF	1,535,039
	Total Cash	\$ 7,323,857

\$65 mil Max

Reserves:	Current Balance	Restricted	Assigned	Not Assigned
Targeted Capital Reserve	\$ -	\$ -	\$ -	\$ -
O&M Reserve: 10% of Prior Year Budgeted Operating Expenses	-	-	1,081,523	-
R&R Reserve: 1% of Land Improvements/Plants/Interceptors PY CAFR	1,670,006	-	1,670,006	-
Reserve for SRF Payments (P& I) - Operating	2,819,883	2,819,883	-	-
Reserve for SRF Payments (P& I) - Capital	2,431,926	2,431,926	-	-
Available for O&M	402,042	-	-	-
Total Cash	\$ 7,323,857	\$ 5,251,809	\$ 2,751,529	\$ -

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	178,764	640,818	960,452	\$ 2,819,883
Reserve for SRF Payments (P& I) - Capital	1,348,576	-	59,588	409,703	614,059	2,431,926
	\$ 2,130,680	257,745	238,352	1,050,521	1,574,511	\$ 5,251,809

Note 2: PROJECTS AND FUNDING:

a. Construction and Change Orders for Sub-Regional Plants	Bureau of Reclamation - Title 16 Grant	Dept. of Water Resources - Proposition 84 Grant	SWRCB SRF Loan - Hesperia	SWRCB SRF Loan - Apple Valley	SWRCB - Proposition One Grant - A.V.	SWRCB - Water Recycling Prop 13 Grant - A.V.	Total
Completion (or Termination) Dates	05/31/16	12/31/17	06/30/17	06/30/17	06/30/17	03/31/17	
Agreement Amounts	\$ 3,242,523	\$ 3,000,000	\$ 35,442,795	\$ 22,537,632	\$ 8,135,648	\$ 4,000,000	\$ 76,358,598
Claimed	(3,242,523)	(3,000,000)	(32,053,525)	(20,109,752)	(7,786,693)	(3,976,548)	(70,169,041)
Grant and Loan Balance Remaining	\$ -	\$ -	\$ 3,389,270	\$ 2,427,880	\$ 348,955	\$ 23,452	\$ 6,189,557

b. Planning and Design for Sub-Regional Plants	Bureau of Reclamation - Title 16 Grant	Dept. of Water Resources - Proposition 84 Grant	SWRCB SRF Loan - Hesperia	SWRCB SRF Loan - Apple Valley	SWRCB - Proposition One Grant - A.V.	SWRCB - Water Recycling Prop 13 Grant - A.V.	Total
Completion (or Termination) Dates	05/31/16	not applicable	06/30/17	06/30/17	06/30/17	not applicable	
Agreement Amounts	\$ 1,607,477	\$ -	\$ 5,107,160	\$ 4,535,127	\$ 1,046,193	\$ -	\$ 12,295,957
Claimed	(1,607,477)	-	(3,134,436)	(4,413,807)	(1,038,301)	-	(10,194,020)
Grant and Loan Balance Remaining	\$ -	\$ -	\$ 1,972,724	\$ 121,320	\$ 7,892	\$ -	\$ 2,101,937

c. Upper Narrows Emergency

*FEMA/Cal OES PW 1136 Revised Grant Limit - Completion 12/27/15	\$ -	7,954,740	
Eligible Cost Incurred 12/26/10 - 11/06/16		(7,750,326)	
Grant Balance Remaining	\$ -	204,414	
Funding Received or To Be Received:			
FEMA (Claims x .90 x .7500)	\$ 5,231,470		
Cal OES (Claims x .90 x .1875)	1,307,868	6,539,338	
VVWRA Share:			
VVWRA (Claims x .0625)	484,395	484,395	
10% Retention to Be Received upon Completion:			
(Claim - VVWRA portion) x .10	726,593	726,593	
	\$ -	7,750,326	

d. Upper Narrows Replacement

*FEMA/Cal OES PW 828 Grant Limit - Completion 12/27/15	\$ -	33,124,002	
Eligible Costs Incurred 04/01/11 - 08/31/16		(33,124,002)	
Grant Balance Remaining	\$ -	-	
Funding Received or Expected to Receive:			
FEMA (Claims x .90 x .7500)	\$ 22,358,701		
Cal OES (Claims x .90 x .1875)	5,589,675	27,948,377	
VVWRA Share:			
VVWRA (Claims x .0625)	2,070,250	2,070,250	
10% Retention to Be Received upon Completion:			
(Claim - VVWRA portion) x .10	3,105,375	3,105,375	
	\$ -	33,124,002	

* SRF Loan

	Incurred	Claimed	Remaining
Construction	1,655,130	(1,655,130)	-
Change Orders	1,825,000	(1,825,000)	-
Soft Costs	806,250	(806,250)	-
	4,286,380	(4,286,380)	-

Victor Valley Wastewater Reclamation Authority
Flow Study
For the Month Ended December 31, 2017

Measured by ADS	Percentage of Total %	December Monthly MG
VSD 1 (less North Apple Valley)	5.7583%	21.0710
VSD 2	13.9298%	50.9730
VSD 3	26.5687%	97.2220
VSD 4	7.5575%	27.6550
VSD 5	0.3842%	1.4060
VSD 6	6.1999%	22.6870
VSD Total	60.3984%	221.0140
Apple Valley 01	10.2198%	37.3970
Apple Valley 02	5.5036%	20.1390
Apple Valley North	0.0880%	0.3220
Apple Total	15.8114%	57.8580
Hesperia	18.6010%	68.0660
CSA 64 SVL	4.7652%	17.4370
CSA 42 Oro Grande	0.4241%	1.5520
CSA Total	5.1893%	18.9890
Total Apportioned Flow	100.0001%	365.9270
Mojave Narrows Regional Park		0.1000
Total Study Flow		366.0270

Subregional Water Reclamation Plant Projects
1/31/2018
Apple Valley

Costs Incurred Up to 1/31/2018

		Expended to Date	Contract Amount	Total Remaining
Planning/Design/Construction Management				
	Planning	1,278,710	970,271	(308,439)
	(Carollo/HDR) Design	2,552,681	3,117,326	564,645
	(MWH) Construction Management	2,088,434	1,455,410	(633,024)
	(Carollo/HDR) Engineering Services During Construction	1,631,151	1,610,418	(20,733)
	Sub-Total	7,550,976	7,153,425	(397,551)
Construction				
	Construction	32,688,107	32,670,000	(18,107)
		Expended to Date	Contract Amount	
			SRF Loan	Lyles
Change Order (Contingency)				
	Planning/Design/Construction Management	-	1,001,640	-
	Construction - Cascade Drilling	252,951	376,986	-
	Construction - Lyles	709,845	624,654	500,000
	Sub-Total	962,796	2,003,280	500,000
Total		41,201,879	42,326,705	2,087,622

Eligible for Reimbursements

		Claimed	Contract Amount	Total Remaining
	Title 16	2,404,756	2,419,631	14,875
	Proposition 13 - Recycling Grant	3,840,817	4,000,000	159,183
	Proposition 84-AV Construction Cost	772,414	1,487,478	715,064
	Proposition 01-AV Planning/Design/Construction Management	1,038,301	1,046,193	7,892
	Proposition 01-AV Construction Cost	7,534,420	8,135,648	601,228
	Total Grants	15,590,708	17,088,950	1,498,242
	<i>% of Total Project</i>		39%	
	SRF-AV Planning/Design/Construction Management	4,413,807	4,535,127	121,320
	SRF-AV Construction Cost	21,197,364	22,537,632	1,340,268
Total		41,201,879	44,161,709	2,959,830

Claims Made as of 1/31/2018

		Requested	Contract Amount	Total Remaining
	Title 16	2,404,756	2,419,631	14,875
	Proposition 13 - Recycling Grant	3,976,548	4,000,000	23,452
	Proposition 84-AV Construction Cost	772,414	1,487,478	715,064
	Proposition 01-AV Planning/Design/Construction Management	1,038,301	1,046,193	7,892
	Proposition 01-AV Construction Cost	7,786,693	8,135,648	348,955
	Total Grants	15,978,712	17,088,950	1,110,238
	SRF-AV Planning/Design/Construction Management	4,413,807	4,535,127 *	121,320
	SRF-AV Construction Cost	20,109,752	22,537,632	2,427,880
Total		40,502,271	44,161,709	3,659,438

*Note: Proposition 01 grant of \$9.2M reduces AV SRF loan to \$4.5M.

Subregional Water Reclamation Plant Projects
1/31/2018
Hesperia

Costs Incurred Up to 1/31/2018		Expended to Date	Contract Amount	Total Remaining
Planning/Design/Construction Management				
	Planning	895,080	624,264	(270,816)
	(Carollo/HDR) Design	3,106,096	3,580,792	474,696
	(MWH) Construction Management	2,503,033	1,479,914	(1,023,119)
	(Carollo/HDR) Engineering Services During Construction	1,437,664	1,687,052	249,388
	Sub-Total	7,941,873	7,372,022	(569,851)
Construction				
	Construction	32,691,597	33,220,000	528,403
Change Order (Contingency)		Expended to Date	Contract Amount	
	Planning/Design/Construction Management	-	SRF Loan	Lyles
	Construction - Cascade Drilling	463,231	1,111,398	-
	Construction - Lyles	708,198	383,334	-
	Sub-Total	1,171,429	728,063	500,000
Total		41,804,899	43,314,817	1,509,918

Eligible for Reimbursements		Claimed	Contract Amount	Total Remaining
	Title 16	2,445,244	2,460,369	15,125
	Proposition 84-HES Construction Cost	2,227,586	1,512,522	(715,064)
	Total Grants	4,672,830	3,972,891	(699,939)
	<i>% of Total Project</i>		9%	
	SRF-HES Planning/Design/Construction Management	3,134,436	7,329,955	4,195,519
	SRF-HES Construction Cost	33,997,633	33,220,000	(777,633)
Total		41,804,899	44,522,846	2,717,947

Claims Made as of 1/31/2018		Requested	Contract Amount	Total Remaining
	Title 16	2,445,244	2,460,369	15,125
	Proposition 84-HES Construction Cost	2,227,586	1,512,522	(715,064)
	Total Grants	4,672,830	3,972,891	(699,939)
	SRF-HES Planning/Design/Construction Management	3,134,436	7,329,955	4,195,519
	SRF-HES Construction Cost	32,053,525	33,220,000	1,166,475
Total		39,860,791	44,522,846	4,662,055

Nanticoke Interceptor

1/31/2018

Costs Incurred Up to 1/31/2018

		Expended to Date	Contract Amount	Total Remaining
Planning/Design/Construction Management				
	Planning		342,397	342,397
	Design		101,524	101,524
	Construction Management	476,557	407,373	(69,184)
	Engineering Services During Construction			-
	Sub-Total	476,557	851,294	374,737
Construction				
	Construction - Christensen Brothers GE Inc.	3,202,494	3,207,896	5,402
		Expended to Date	Contract Amount	
			SRF Loan	
Change Order (Contingency)				
	Planning/Design/Construction Management			-
	Construction	780,139	400,000	(380,139)
	Sub-Total	780,139	400,000	(380,139)
	Total	4,459,190	4,459,190	-

Eligible for Reimbursements

		Claimed	Contract Amount	Total Remaining
	SRF-Planning/Design/Construction Management	476,557	851,294	374,737
	SRF-Construction Cost	3,982,633	3,607,896	(374,737)
	Total	4,459,190	4,459,190	-

Claims Made as of 1/31/2018

		Requested	Contract Amount	Total Remaining
	SRF-Planning/Design/Construction Management	476,557	851,294	374,737
	SRF-Construction Cost	3,982,633	3,607,896	(374,737)
	Total	4,459,190	4,459,190	-

VVWRA
Upper Narrows Interceptor and Emergency Projects
1/31/2018

Upper Narrows Interceptor and Emergency Projects
1/31/2018

Upper Narrows Interceptor (E004)

<u>Planning/Design/Construction Management</u>		Expended to Date	Contract Amount	Total Remaining
Planning		449,368	277,990	(171,378)
(Tetra Tech) Design		737,952	783,481	45,529
(URS/AECOM) Construction Management		1,642,759	993,673	(649,086)
(TetraTech) Engineering Services During Construction		531,269	348,290	(182,979)
	Total	3,361,348	2,403,434	(957,914)
<u>Construction</u>				
Construction - J.W. Fowler		26,136,908	26,482,075	345,167
Construction - AV Construction		1,525,267	863,371	(661,896)
<u>Contingency</u>		Expended to Date	Contract Amount	
(Tetra Tech) Design		-	-	-
(URS/AECOM) Construction Management		271,346	325,612	54,266
(TetraTech) Engineering Services During Construction		-	-	-
Construction - J.W. Fowler		3,536,620	3,536,620	
Construction - AV Construction		214,287	214,287	-
	Total	35,045,776	33,825,399	(1,220,377)

Claimed to Date

FEMA/CalOES	27,948,377	29,811,603	1,863,226
FEMA/CalOES 10% Retention	3,105,375	3,312,400	207,025
UNR SRF Loan	3,515,952		
Total	34,569,704	33,124,003	2,070,251

Upper Narrows Emergency (E003)

Spent to Date 1/31/2018

Planning/Design/Construction Management

	Expended to Date
Materials	811,401
Rented Equipment	3,226,387
Contracts	3,899,051
Force Account OT	42,805
Force Equipment	274,341
Total	8,253,985

Received to Date

FEMA/CalOES	6,539,338
FEMA/CalOES 10% Retention	726,593
Total Grants to Date	7,265,931
VVWRA 6.25% Unreimbursable Cost	484,395
Total	7,750,326

Victor Valley Wastewater Reclamation Authority
Statement of Net Position
January 31, 2018

<u>Assets and Deferred Outflows of Resources</u>	<u>2018</u>
Current assets:	
Cash and cash equivalents	\$ 13,374,825
Interest receivable	6,110
Accounts receivable	4,623,926
Receivable from FEMA Grants	4,148,183
Accounts receivable - Other	10,992
Allowance for Doubtful Accounts	(64,828)
Materials and supplies inventory	86,516
Prepaid expenses and other deposits	<u>268,423</u>
Total current assets	<u>22,454,147</u>
Fixed assets:	
Capital assets not being depreciated	84,408,995
Capital assets being depreciated	<u>116,491,655</u>
Total capital assets	<u>200,900,650</u>
Total assets	<u>223,354,797</u>
Deferred outflows of resources	
Deferred outflows of resources - pension	<u>1,743,035</u>
Total	<u>\$ 225,097,832</u>
 <u>Liabilities, Deferred Inflows of Resources, and Net Position</u>	
Current liabilities:	
Accounts payable and accrued expenses	\$ 391,330
Accrued interest on long-term debt	75,383
Long-term liabilities - due within one year:	
Compensated absences	48,647
Loans payables	1,849,149
Other payables	<u>6,766,769</u>
Total current liabilities	<u>9,131,278</u>
Non-current liabilities:	
Long-term liabilities - due in more than one year:	
Compensated absences	219,396
Other post employment benefits payable	1,419,041
Loans payable	82,056,711
Net Pension Liability	5,011,624
Other payables	<u>447,389</u>
Total non-current liabilities:	<u>89,154,161</u>
Total liabilities	<u>98,285,439</u>
Deferred inflows of resources	
Deferred inflows of resources - pension	<u>165,023</u>
Net position:	
Net position as of 6/30/17	127,976,675
Restricted for SRF loan covenant	2,863,641
Decrease in net position FY 18	<u>(3,956,083)</u>
Total net position	<u>126,647,370</u>
Total	<u>\$ 225,097,832</u>

Victor Valley Wastewater Reclamation Authority
 Revenues and Expenses
Operations and Maintenance
 For the Month Ended January 31, 2018

	Actual January 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
REVENUES			
User Charges	\$ 1,186,750	\$ 7,817,090	\$ 13,661,700
Sludge Flow Charge	4,390	54,505	137,074
High Strength Waste Surcharges	-	8,285	25,000
ADM FOG Tipping Fee Revenue	24,479	176,201	205,000
Septage Receiving Facility Charges	14,179	340,146	609,000
Reclaimed Water Sales	1,821	11,227	44,000
Potable Well Water Sales	50	588	650
Leased Property Income	50	350	600
Interest	123	372	-
Pretreatment Fees	4,900	30,900	51,200
Finance Charge	-	-	-
Grant - FEMA/Cal-EMA	-	-	747,034
Grant - Proposition 1	-	-	458,297
Grant- Water Recycling	-	-	246,466
Grant- CEC Microgrid	-	263,529	-
Sale of Assets, Scrap, & Misc Income	283	3,934	-
Total REVENUES	\$ 1,237,025	\$ 8,707,127	\$ 16,186,021
EXPENSES			
Personnel	\$ 321,024	\$ 2,447,287	\$ 4,086,603
Maintenance	58,307	921,800	2,919,360
Operations	142,900	1,419,539	3,066,985
Administrative	57,194	897,735	2,270,884
Construction	-	-	2,389,065
Total EXPENSES	\$ 579,425	\$ 5,686,361	\$ 14,732,897
Revenues over Expenses before Depreciation, Debt Service and Transfers	\$ 657,600	\$ 3,020,766	\$ 1,453,124
Depreciation Expense	(674,710)	(4,724,611)	-
DEBT SERVICE			
SRF Interest	-	-	361,138
FUND TRANSFERS IN			
Salary/Benefits Charge from Capital	\$ 8,712	\$ 34,848	-
Admin Charge from Capital	3,311	13,242	-
Total FUND TRANSFERS IN	\$ 12,023	\$ 48,090	\$ -
FUND TRANSFERS OUT			
Transfer to Repairs and Replacements Fund	-	-	247,500
Inter-fund loan payment to Capital	-	(3,254)	-
Total FUND TRANSFERS OUT	\$ -	\$ (3,254)	\$ 247,500
Excess Revenues Over Expenses	\$ (5,087)	\$ (1,659,009)	\$ 844,486

Victor Valley Wastewater Reclamation Authority
Revenues and Expenditures
Repairs and Replacement
For the Month Ended January 31, 2018

	Actual January 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
REVENUES			
R&R Revenues	\$ -	\$ -	\$ -
Total REVENUES	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
OTHER FINANCING SOURCES			
SRF Loan Funding	\$ -	\$ -	\$ -
CAPITAL EXPENSES			
Personnel	\$ -	\$ -	\$ -
Maintenance	-	43,045	242,500
Operations	12,592	75,555	-
Administrative	-	-	5,000
Construction	-	-	-
Total CAPITAL EXPENSES	<u>\$ 12,592</u>	<u>\$ 118,599</u>	<u>\$ 247,500</u>
Revenues over Expenses before Debt Service and Transfers	<u>\$ (12,592)</u>	<u>\$ (118,599)</u>	<u>\$ (247,500)</u>
DEBT SERVICE			
SRF Interest	\$ -	\$ -	\$ -
FUND TRANSFERS IN			
Transfer from Operations and Maintenance Fund	\$ -	\$ 247,500	\$ 247,500
Interfund Loan Payment from O&M	-	-	-
Total FUND TRANSFERS IN	<u>\$ -</u>	<u>\$ 247,500</u>	<u>\$ 247,500</u>
FUND TRANSFERS OUT			
Salary/Benefits Charge to O & M	\$ -	\$ -	\$ -
Admin Charge to O & M	-	-	-
Total FUND TRANSFERS OUT	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Excess Revenues Over Expenses	<u>\$ (12,592)</u>	<u>\$ 128,901</u>	<u>\$ -</u>

Accrual Basis

Victor Valley Wastewater Reclamation Authority
Revenues and Expenditures
CAPITAL
For the Month Ended January 31, 2018

	Actual January 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
REVENUES			
Connection Fees	\$ 82,200	\$ 916,881	\$ 878,900
Title 16 Grant - Subregional	-	-	-
Grant- Water Recycling	-	350,648	157,577
Sale of Assets, Scrap, & Misc Income	-	-	-
Interest	1,767	28,681	38,000
Proposition 1 Grant	-	650,367	293,010
Proposition 84 Grant	-	-	-
FMV Adjustment	-	1,612	-
Grant - FEMA/Cal-EMA	-	-	3,105,375
Total REVENUES	\$ 83,967	\$ 1,948,189	\$ 4,472,862
CAPITAL EXPENSES			
Personnel	\$ -	-	\$ 416,716
Maintenance	-	-	40,000
Operations	-	-	170
Administrative	-	(2,054)	140,000
Construction	-	4,247,488	2,482,435
Total CAPITAL EXPENSES	\$ -	\$ 4,245,434	\$ 3,079,321
Revenues over Expenses before Debt Service and Transfers	\$ 83,967	\$ (2,297,245)	\$ 1,393,541
DEBT SERVICE			
SRF Interest	\$ -	\$ 83,891	\$ 209,281
			<u>209,281</u>
FUND TRANSFERS IN			
Capital Recovery - Septage from O&M	\$ -	-	-
Interfund Loan Payment from O&M	-	3,254	-
Total FUND TRANSFERS IN	\$ -	\$ 3,254	\$ -
FUND TRANSFERS OUT			
Salary/Benefits Charge to O & M	\$ 8,712	\$ 34,848	\$ -
Admin Charge to O & M	3,311	13,242	-
Total FUND TRANSFERS OUT	\$ 12,023	\$ 48,090	\$ -
Excess Revenues Over Expenses	\$ 71,944	\$ (2,425,972)	\$ 1,184,260

Accrual Basis

Victor Valley Wastewater Reclamation Authority



Operations and Maintenance Report

January 2018

VWRA O&M Monthly Report – January 2018

Page 1 of 10

**Victor Valley Wastewater Reclamation Authority
Operations and Maintenance Report
January 2018**

TO: Logan Olds, General Manager
FROM: Operations & Maintenance Staff
SUBJECT: OPERATIONS/MAINTENANCE REPORT
DATE: February 1, 2018

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 January 2018.

	Total	Average
Effluent to Mojave	164.562	5.4854
Effluent to Ponds	159.7656	5.1537

	Limit
Biochemical Oxygen Demand (BOD)	10 mg/l
Effluent to Mojave	<5.01
Percent Removal	>98.697

	Limit
Total Suspended Solids (TSS)	10 mg/l
Effluent to Mojave	<2.0
Percent Removal	>99.538

	Limit
Turbidity	2.0 ntu
30 Day Average	0.43

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 47.98% removal of influent BOD and 74.52% 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 2.65% total solids at 68,929 gallons per day.

Primary clarifiers #1, #2, #3, #5, #6, #7 and #8 are currently online and continue to treat all incoming flow. Primary #4 remains offline for the month. With one clarifier off line, the remaining 6 primary clarifiers are capable of treating peak flows up to 27 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 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 #3-6, mixed liquor channel and aerated grit chamber. Waukesha Piller # 6 is online and is supplying AB's #7-12.

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

Thioguard was not used during the month.

Secondary turbidity averaged 1.52 (NTU) during the month of January 2018
The 30 minute settleometer test averaged 204.0mL/L.
The average "pop time" of the MLSS was >93min.

Percolation Ponds

South percolation ponds #7, #8, #10, #11, #12 and #13 were used and rotated during the month.

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 January. Filter Effluent average Turbidity of 0.46NTU.

Solids

VVWRA O&M Monthly Report – January 2018

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Digester #1 was drained on 8/19/16 and is offline. Digester #2 and #3 remain off line, drained and clean.

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

VVWRA received 634,160 gallons of ADM (Anaerobically Digestible Material) and FOG (Fats Oil and Grease). Total is comprised of 574,160 gallons of ADM and 60,000 gallons of FOG.

A Total of 21,232,341 cf/day of gas was created by digesters #4 and 5 for the month of January 2018.

That is an average gas production of 707,745 cf/day.

Digester #4 averaged 369,183 cf/day.

Digester #5 averaged 338,562 cf/day.

Digester Volatile Acid/Alkalinity averaged 0.011 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: 930 days

Discharge Sampling

All required samples during the month of January 2018 were collected and processed as scheduled.

Miscellaneous

Apple Valley Pump Station wet well was cleaned out twice in January 2018. Grease removed was transferred to facility scum wet well. AVPS grease continues to be pumped to the anaerobic Digesters #4 and #5.

Maintenance Activities**CMMS Work Order Activity****VWRA KPI Report**2/1/2018
7:55 AM

1/1/2018 - 1/31/2018

KPI	Count	Percent
Planned Work Total	306	
Planned Work Completed	306	100.00%
Planned Work Completed On-Time	266	86.93%
Planned Work Incomplete	0	0 %
Planned Work Completed Late	40	13.07%
Total Work Completed	697	
Reactive Work Completed	90	12.91%
PM Work Completed	517	74.18%

Safety

1. Monthly Vehicle Safety Inspections completed.
2. Monthly gas tech monitor inspections completed
3. Eyewash safety showers inspected

VWRA O&M Monthly Report – January 2018

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4. Monthly SCBA inspections
5. Hazardous storage area inspection
6. Spill kit inspections

Preliminary Process

1. Aqua Guard pre-treatment screen inspected and serviced
2. Headwork's Conveyor Belt Lube & Inspect
3. Barscreen Maintenance complete.
4. Grit classifier bearing replacement.
5. Septage EQ basin cleaning.
6. Septages EQ pump stator replacement.
7. EQ 1&2 motor oil change.

Primary Process

1. All PH and conductivity probes cleaned and calibrated
2. Influent PH and conductivity probe calibrations complete
3. Primary sludge pumps repacks
4. Primary clarifier 1&2 shear pin replacement.
5. Helical skimmer drives oil change completed.

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 Filter Replacement

5. Waukesha engine #5 crankshaft repair completed.
6. Anoxic mixer repair.

Tertiary

1. Monthly gear box and platform drive wheel service complete
2. Filter #1 & #2 monthly platform gear box PM's comp
3. Filter #1 & #2 monthly backwash wasting pumps oil checks complete
4. Aqua diamond #1 wheel track repair.
5. All PH and conductivity probes cleaned and calibrated

Ultra Violet Disinfection (UV)

1. PH and conductivity probes cleaned and calibrated
2. UVT probe calibrated
3. UV wiper cylinders repair.

Treatment Disposal

1. DAFT #1 and #2 Air Compressors 1&2 PM services complete
2. DAFT #2 pump repack.
3. Digester 4&5 heat exchanger inspections

Miscellaneous Plant

1. Serviced AHU for Blower Buildings completed.

Plant Equipment**G/CHP 1&2**

1. Monthly UREA refill completed CHP #1 & #2
2. CHP1&2 differential pressure readings taken within normal range, Gas DP pressure collected within normal range
3. Monthly gas samples collected.
4. CHP 1&2 electrical service completed.
5. CHP 1 jacket water pump replacement.

Gas Conditioning Skid

1. Blowers #1 & #2 inspections complete
2. Monthly gas sampling collected.

OGPS

1. Monthly Gen Test completed
2. Pumps pulled and inspected.

AVPS Otoe

1. Grease pump out

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

January 2018

VWRA Environmental Compliance Department
Industrial Pretreatment Program

I. Interceptors Operation and Maintenance:

1. Interceptors cleaning & CCTV:

- ✓ No Cleaning was performed in January

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 reported

4. Sanitary sewer overflows (SSO) summary:

- ✓ Date of last reportable SSO: September 18th, 2018

5. Interceptors maintenance budget remaining:

- ✓ The fiscal year 2016-2018 Interceptor sewer maintenance amount remaining for sewer cleaning and inspection services is \$49634.06

6. Dig Alert Underground tickets processed:

- ✓ A total of Ninety Seven (97) USA Tickets were received and processed in January 2018.

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:**
 - ✓ Nine (9) New Business Questionnaires were processed in the month of January 2018.
 - ✓ One (1) New Business Inspections were conducted in the month of January 2018.
- 2. New permits issued:**
 - ✓ Zero (0) New permits were issued in the month of January 2018.
- 3. Permit renewals issued:**
 - ✓ Fifteen (15) Class III permit renewals were issued in the month of January 2018.
- 4. Work Orders:**
 - ✓ 62 Work Orders were completed in January 2018
- 5. Monthly revenues collected, and invoices issued:**
 - ✓ Revenues: \$
 - ✓ Invoiced: \$4,900
- 6. Lucy CMMS Software implementation:**
 - ✓ The implementation of Lucy CMMS software for the industrial pretreatment program and the operations and maintenance of interceptors including GIS is ongoing.

III. Industrial Pretreatment Activities (continued)

1. Current enforcement actions:

- ✓ Zero (0) Notice of Violation was issued in January 2018.

2. Current active industrial pretreatment permits:

- ✓ The current number of VVWRA’s industrial wastewater discharge permits is 433, they are comprised as follows:

1	Class I	Categorical Industrial User
10	Class II	Non-Categorical Significant Industrial User
418	Class III	Non-Significant Industrial User
2	Class IV	Zero Discharge Industrial User
9	Class V	Sanitary Waste Haulers

- ✓ The permitted establishments include:

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

- ✓ Permitted businesses are distributed among member entities as follows: 171 in Victorville, 123 in Apple Valley, 123 in Hesperia and 1 in Oro Grande.

Victor Valley Wastewater Reclamation Authority



Environmental Compliance Department

Septage/FOG/ADM Monthly Report

January 2018

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

Payments and Invoices period: January 1st thru January 31st – 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	1/29/2018	24,432	\$2,286.84
ALP000	Alpha Omega Septic Service	1/29/2018	180,735	\$16,916.80
BUR000	Burns Septic	1/29/2018	112,000	\$10,483.20
HIT000	Hitt Plumbing	1/29/2018	0	\$0
HON001	Honest Johns Septic Service, Inc	1/29/2018	73,951	\$6,921.81
ROT001	T.R. Stewart Corp. dba Roto Rooter	1/29/2018	95,606	\$8,948.72
USA000	USA Septic	1/29/2018	75,700	\$7,085.52
ALP000	Alpha Omega Septic Service (Nutro)	1/29/2018	60,000	\$3,946.40
COW000	Co-West Commodities	1/29/2018	225,000	\$9,000.00
LIQ000	Liquid Environmental Solutions of CA	1/29/2018	0	\$0
SMC000	SMC Grease Specialist, Inc.	1/29/2018	310,500	\$12,420.00
WES004	West Valley MRF, LLC Burrtec Waste Industries, Inc.	1/29/2018	0	\$0
HIT000	Hitt Plumbing	1/29/2018	3,435	\$137.40
Grand Totals			1,161,359	\$78,146.69

Septage/FOG/ADM receiving payments:

ID No	Business Name	Payments Received
ABS000	Absolute Pumping	\$3,716.11
ALP000	Alpha Omega Septic Service	\$0
BUR000	Burns Septic	\$8,611.20
HON001	Honest Johns Septic Service, Inc	\$19,986.88
ROT001	T.R. Stewart Corp. dba Roto Rooter	\$9,962.36
USA000	USA Septic	\$4,988.88
ALP000	Alpha Omega Septic Service (Nutro)	\$0
COW000	Co-West Commodities	\$7,800.00
LIQ000	Liquid Environmental Solutions of CA	\$0
SMC000	SMC Grease Specialist, Inc.	\$13,200.00
WES004	West Valley MRF, LLC Burrtec Waste Industries, Inc.	\$0
HIT000	Hitt Plumbing	\$0
Grand Total		\$69,367.38



Safety & Communications Report



VWVRA's Chuck Trammel poses with Stan Brown from Brown Bear Corp.



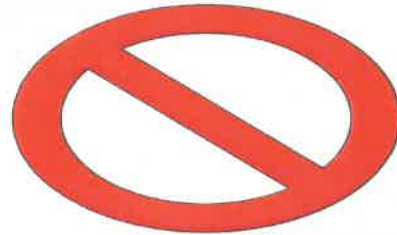
January 2018



Safety

STAFF SAFETY TAILGATE/ORIENTATION

- Jan. 4---Blocking access



- Jan. 11--Confined space



- Jan. 22--Fire extinguishers PASS



- Jan. 25--Crime and wild animals





Safety

SAFETY POLICY REVIEWS/ REVISIONS

- Hazardous energy control (LOTO)
- Hazardous communication

SAFETY EVENTS/ TRAINING

- Safety tailgates

UNSAFE CONDITIONS REPORTED/RESOLVED

- New safety signs on used oil tank and in haz mat storage
- Carollo report on the condition of digester 4 & 5

DATE OF LAST REPORTABLE ACCIDENT/INJURY:
SEPT. 18, 2017

DAYS SINCE LAST REPORTABLE ACCIDENT/INJURY:
135 DAYS



Safety

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

- Safety Tailgates will be conducted at the Thursday weekly staff briefings.
- Safety Tailgates will be conducted at the monthly Administrative staff meetings.

Communications

- Press release on Energy Efficiency check presentation from SCE



- PR Coalition meeting

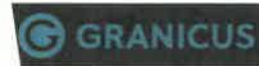




Communications

ACTIVITIES

- Continued work on updating new website including work on internal pages
- Maintained current website and social media sites including Facebook & Twitter.



MEDIA

- Rethinking Water:Water Summit; Daily Press 1-29-18
- Energy Efficiency Designs Nets \$92,000 Daily Press; 1-30-18



Energy efficiency design nets VVWRA \$92K rebate check

By Staff reports

Posted Jan 30, 2018 at 2:07 PM

Updated Jan 30, 2018 at 2:07 PM

VICTORVILLE — The wastewater agency here was recently presented with a \$92,676 rebate check from Southern California Edison for incorporating energy efficiency into the design of two subregional water recycling facilities.

The facilities are located in Apple Valley and Hesperia, and the rebate check was presented to the Victor Valley Wastewater Reclamation Authority during its Jan. 18 board meeting.

“Our partnership with Southern California Edison has proven to be a win-win for both sides,” Logan Olds, the VVWRA general manager, said in a statement, “by providing positive ways to improve energy efficiency at our new facilities while saving money for our ratepayers.”

The rebate check was afforded by the electric company’s Savings by Design Program, which provides incentives to SCE customers who engage early in the design process and incorporate energy efficiency recommendations into their projects.

The designs for the two subregional plants included high-efficiency blowers, pumps, variable frequency drives and dissolved oxygen controls to maximize energy savings.

VVWRA officials said the Apple Valley plant saved 460,667 kwh and 60 KW to garner a \$41,049 incentive, while the Hesperia plant saved 531,961 kwh and 47 KW for an incentive of \$51,627.

The authority began working with SCE on energy efficient designs in 2010, equaling an annual energy savings of approximately \$430,000, according to officials.

“Since 2010, VVWRA has led the wastewater industry in energy efficiency and optimized nearly every piece of equipment at the main plant in Victorville,” Amy Olson, with SCE, said in a statement, “which maximizes savings and the subregional plants were no different.”

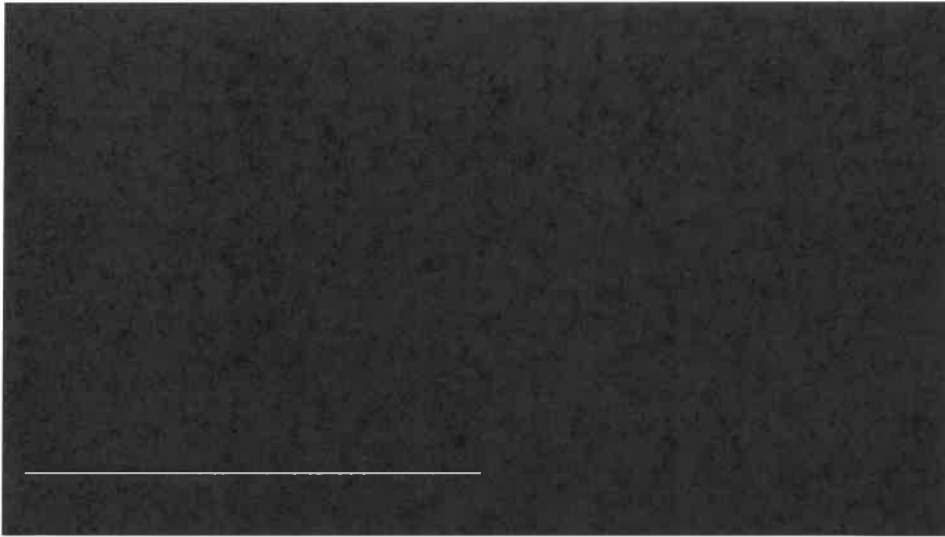
The plants, meanwhile, are nearly complete, VVWRA officials said, adding that they will be capable of producing up to a million gallons per day of recycled water and create more capacity in the authority's interceptor system to delay the need for costly upgrades.



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‘Rethinking Water’: Student water summit to stir up young minds

By Rene Ray De La Cruz
Staff Writer

Posted Jan 28, 2018 at 5:39 PM

Updated Jan 28, 2018 at 5:39 PM

APPLE VALLEY — The 2018 Innovators High Desert Water Summit will feature student and Mojave Water Agency essay winner Alaina Tess and water experts from several local schools and the region.

With the theme “Rethinking Water” and the purpose to engage the next generation of water leaders, the 3rd annual summit, scheduled for Feb. 2, will feature keynote speaker Bryce Dettorre, who will share the topic, “Stay M.A.D. by not Listening to Your B.S.” Dettorre is a local resident and founder of the company, “Don’t Be Average.”

Tess, a senior from University Preparatory in Victorville, will also take the stage during the summit at High Desert Church. She took the top spot among 50 student competitors in this year’s MWA essay contest, which included a video submission, lengthy essay and live presentation before a panel of judges.

“Water is forever, but scarcity of viable drinking water is becoming a problem in the High Desert and recycled water is the solution,” Tess wrote in her essay.

Joel Greene, creator, producer, and host of the award-winning PBS television show “Curiosity Quest” will also speak. The MWA partnered with Greene on a series called, “Curiosity Quest Problem Solvers.”

Logan Olds, the general manager of the Victor Valley Wastewater Reclamation Authority based in Apple Valley, will also share his thoughts on building a career out of passion.

Tess battled two other finalists in the essay contest, both of whom will also participate in the summit. They include Daniel Colon, a senior from University Preparatory in Victorville who will serve as the event’s emcee, and Andrew Canchola, a senior from Serrano High School in Phelan.

Each student was assigned a mentor to prepare them for their live presentation. Casey Armstrong, the owner of Armstrong Fairway Insurance Agency, worked with Tess; Orland Acevedo, the Town of Apple Valley's assistant director of economic development and housing worked with Canchola; and Mark Creffield, the president/CEO of Victor Valley Chamber of Commerce worked with Colon.

The summit will also feature teams from High Desert and Morongo Basin middle/high schools who were challenged with solving the problem of how to reuse a drop of water at school or home. The top three teams will be revealed and awarded scholarship funds at the event. Competing for top honors are AAE Middle School, Goodwill Education Center, Hesperia High School, Montara Elementary School, Phoenix Academy, and University Preparatory.

Also new to this year's program are breakout sessions on hydrogeology and water resource management.

The summit is sponsored by the MWA, Apple Valley Chamber of Commerce, Liberty Utilities, Victor Valley Wastewater Reclamation Authority and Altec Engineering.

The summit will be held from 9 a.m. to 12:30 p.m. Feb. 2 at High Desert Church, 14545 Hook Blvd. in Victorville.

Registration is \$10 for adults. High school students are free to attend, but must register with their school. Attendees will receive a boxed lunch.

For more information, contact Gloria Golike at 760-946-7001. To register, visit avchamber.org/events/details/2018-innovators-high-desert-water-summit-6327.

Rene Ray De La Cruz may be reached at 760-951-6227, RDeLaCruz@VVDailyPress.com, Twitter [@DP_ReneDeLaCruz](https://twitter.com/DP_ReneDeLaCruz) and Instagram [@reneraydelacruz](https://www.instagram.com/reneraydelacruz)

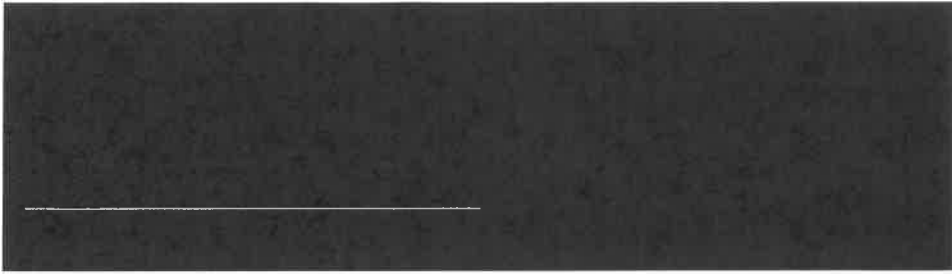


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NEWS

*From the Victor Valley
Wastewater Reclamation Authority*



VWRA Receives \$92,676 from SCE for Design Savings on Subregionals

FOR IMMEDIATE RELEASE
January 22, 2018

CONTACT:
David Wylie 760.523-1781

Victorville—The Victor Valley Wastewater Reclamation Authority has been presented with a check for \$92,676 from Southern California Edison for incorporating energy efficiency into the design of the Subregional Water Recycling facilities in Apple Valley and Hesperia. The check was presented to the VWRA Board of Commissioners at their regular meeting on January 18th, 2018 as part of SCE’s Savings by Design Program. The Savings by Design program provides incentives to SCE customers who engage early in the design process and incorporate energy efficiency recommendations into their projects.

VWRA began working with SCE on energy efficient designs in 2010 which have equated into annual energy savings of approximately \$430,000. The energy efficient designs at the Apple Valley and Hesperia Subregionals included high efficiency blowers, pumps, variable frequency drives (VFD) and dissolved oxygen (DO) controls to maximize energy savings. The Apple Valley plant saved 460,667 kwh and 60 KW for an incentive of \$41,049, while the Hesperia plant saved 531,961 kwh and 47 KW for an incentive of \$51,627. “Since 2010, VWRA has led the wastewater industry in energy efficiency and optimized nearly every piece of equipment at the main plant in Victorville, which maximizes savings and the Subregional plants were no different.”, said SCE’s Amy Olson.

“Our partnership with Southern California Edison has proven to be a win-win for both sides by providing positive ways to improve energy efficiency at our new facilities while saving money for our ratepayers”, said VWRA General Manager Logan Olds.

Construction and testing on the Apple Valley and Hesperia Subregional Water Recycling plants is nearly complete. When fully operational, the plants will be capable of producing up to one million gallons per day of recycled water that can be used for above ground irrigation at parks and golf courses. The water recycling at the two plants will also create more capacity in the VWRA interceptor system which will delay the need for costly upgrades.

(Photo: SCE's Amy Olson presents VVWRA General Manager Logan Olds and the VVWRA Board of Commissioners with a Savings by Design incentive check for \$92,676 for incorporating energy efficient designs to the Apple Valley and Hesperia Subregional Water Recycling facilities. (L-R: GM Logan Olds, Commissioners Jeff Rigney, Jim Kennedy and Larry Bird, SCE's Amy Olson and Craig Henderson)

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Victor Valley Wastewater Reclamation Authority



CONSTRUCTION DEPARTMENT REPORT

January 2018

SubRegionals TOAV Change Order Summary

January 2018

Bids Opened – November 7, 2014

Contractor: W.M. Lyles Co., Temecula, CA

Notice To Proceed Date:	2/27/2015
Original Contract Days:	821
Original Contract Completion Date:	6/7/2017
Additional Contract Days:	
Revised Contract Completion Date:	
Original Contract Amount:	\$32,670,000.00
Revised Contract Amount:	\$33,483,182.33
Change Order Value to Original:	2.489%

Change Order #	Change Order Date	Change Amount	Contract Amount
1	July 16, 2015	0	-
2	Feb 18, 2016	\$288,062.22	\$32,958,062.22
3	Feb 18, 2016	(\$48,730.95)	\$32,621,269.05
4	April 26, 2016	\$205,409.03	\$33,114,740.30
5	Dec 8, 2016	\$230,957.75	\$33,345,698.05
6	May 18, 2017	\$49,806.88	\$33,395,504.93
7	Nov 16, 2017	\$87,677.40	\$33,483,182.33
Net Change		\$813,182.33	\$33,483,182.33

Note: CO #1 was only to incorporate the proper Davis-Bacon wage listing

Processed Pay Requests

Lyles Total to Date	\$32,140,445.62
MWH Total to Date	\$1,961,300.31

SubRegionals HESP Change Order Summary

January 2018

Bids Opened – November 7, 2014

Contractor: W.M. Lyles Co., Temecula, CA

Notice To Proceed Date:	2/27/2015
Original Contract Days:	821
Original Contract Completion Date:	6/7/2017
Additional Contract Days:	
Revised Contract Completion Date:	
Original Contract Amount:	\$33,220,000.00
Revised Contract Amount:	\$33,989,284.22
Change Order Value to Original:	2.316%

Change Order #	Change Order Date	Change Amount	Contract Amount
1	July 16, 2015	0	-
2	Feb 18, 2016	(\$82,532.28)	\$33,137,467.72
3	April 26, 2016	\$201,010.27	\$33,338,477.99
4	Dec 8, 2016	\$154,027.13	\$33,492,505.12
5	May 18, 2017	\$435,693.09	\$33,928,198.21
6	Nov 16, 2017	\$61,086.01	\$33,989,284.22
Net Change		\$769,284.22	\$33,989,284.22

Note: CO #1 was only to incorporate the proper Davis-Bacon wage listing

Processed Pay Requests

Lyles Total to Date	\$32,612,085.82
MWH Total to Date	\$1,961,300.31

Monthly Construction Department Report January 2018

SUMMARY OF WORK:

Subregional WRPs

- Work with CM reviewing possible change orders
- Continuing equipment testing and Staff training
- Weekly progress meeting with CM and Contractor
- VVWRA staff operating Hesperia WRP
- Continuing construction at Apple Valley WRP
- Continuing Staff training on Apple Valley WRP
- Tested standby generators

Laboratory Building

- Put on Hold

Westside Plant Spill Containment

- Michael Baker International began design

Digesters 4 & 5 Supernatant Line

- Put on Hold

Oro Grande Crossing the Mojave River

- Continuing environmental clearance

Desert Knolls Wash Interceptor Design

- Design kick off meeting September 25
- 30% Review meeting December 5
- 60% Plans submitted for Review
- 60% Review meeting Scheduled for February 20

Microgrid Project

- Update meeting January 4
- Construction cost estimate received

Digesters 4 & 5 Repair

- January 22 staff met to discuss plans and process

UPCOMING WORK IN February:

Subregionals

- Complete Apple Valley WRP construction
- Begin Apple Valley WRP testing
- Continue Hesperia WRP testing

- Start seeding at Apple Valley WRP for operations testing with wastewater
- Prepare final punch lists

Laboratory Building

- On Hold

Westside Plant Spill Containment

- Continue design

Digesters 4 & 5 Supernatant Line

- On Hold

Ossum Wash

- Hold for FY 17/18

Oro Grande Crossing the Mojave River

- Complete design and prepare for bid

Desert Knolls Wash Interceptor

- Continue Design

Microgrid Project

- Prepare for construction to begin in February

Digesters 4 & 5 Repair

- Continue to prepare for project