

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



D. Albrey Arrington, Ph.D., Executive Director

AGENDA REGULAR MEETING #5-2019 April 25, 2019 – 7:00 PM AT DISTRICT OFFICES ALL MEETINGS ARE OPEN TO THE PUBLIC

1. Call to Order & Pledge of Allegiance
2. Administrative Matters
 - A. Roll Call
 - B. Previous Meeting Minutes **Page 3**
 - C. Additions and Deletions to the Agenda
3. Comments from the Public
4. Status Updates
 - A. Loxahatchee River Watershed **Page 9**
 - B. Loxahatchee River District Dashboard **Page 10**
5. Consent Agenda (see next page) **Page 11**
6. Regular Agenda
 - A. Consent Agenda Items Pulled for Discussion
 - B. Liability and Worker's Compensation Insurance **Page 32**
 - C. Busch Wildlife Sanctuary Zoo Mesh Cost Reimbursement **Page 35**
 - D. Rules Chapter 31-14 Stormwater Management **Page 36**
7. Reports (see next page) Pulled for Discussion
8. Future Business **Page 83**
9. Board Comments
10. Adjournment

"...if a person decides to appeal any decision made by the Board, with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based."

Submitted by:
Date: April 15, 2019

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Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

5. CONSENT AGENDA

All items listed in this portion of the agenda are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board member or citizen; in which event, the item will be removed and considered under the regular agenda.

- A. Headworks Emergency Standby Generator- to approve purchase **Page 12**
- B. Fixed Asset Disposal – to approve disposal **Page 17**
- C. New Palm Beach Heights Sewer Construction Contract- to award contract **Page 18**
- D. Change Order- to approve modifications **Page 22**

7. REPORTS

- A. Neighborhood Sewering **Page 40**
- B. Legal Counsel's Report **Page 42**
- C. Engineer's Report **Page 45**
- D. Busch Wildlife Sanctuary **Page 51**
- E. Director's Report **Page 52**

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: Governing Board

FROM: Recording Secretary

DATE: April 16, 2019

RE: Approval of Meeting Minutes

Attached herewith are the minutes of the Public Hearing and Regular Meeting of March 21, 2019. As such, the following motion is presented for your consideration.

“THAT THE GOVERNING BOARD approve the minutes of the March 21, 2019 Public Hearing and Regular Meeting as submitted.”

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Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
REGULAR MEETING - MINUTES
MARCH 21, 2019

1. CALL TO ORDER

Chairman Rostock called the Regular Meeting of March 21, 2019 to order at 7:00 PM.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance.

Mr. Boggie
Mr. Rockoff
Mr. Silverman
Mr. Snyder
Dr. Rostock

Staff Members in attendance were Dr. Arrington, Mr. Howard, Ms. Peterson, Mr. Campbell, Mr. Dean.

Consultants in attendance were Terry Morton from Nowlen, Holt & Miner, Mr. Bomarito from Hazen & Sawyer, Ms. Miranda and Ms. Wood from Holtz Consulting, Ms. Marshall and Mr. Pugsley from Mathews Consulting and Mr. Shenkman with Smith, Gaskill & Shenkman.

Ms. Kight and Ms. Wynne with Busch Wildlife Sanctuary were also in attendance.

B. PREVIOUS MEETING MINUTES

The minutes of the Regular Meeting of February 21, 2019 were presented for approval and the following motion was made.

MOTION: Made by Mr. Rockoff, Seconded by Mr. Boggie,
Passed Unanimously.

“THAT THE GOVERNING BOARD approve the minutes of the February 21, 2019 Regular Meeting as submitted.”

C. ADDITIONS & DELETIONS TO THE AGENDA

Item 6H was moved before item 6G.

Item 6C was moved to the end of the regular agenda.

3. COMMENTS FROM THE PUBLIC

Rick Clegg with the Jupiter Outdoor Center at Riverbend expressed concern about the flow level of the river.

4. STATUS UPDATES

A. LOXAHATCHEE WATERSHED STATUS

Mr. Campbell gave a presentation on the cleaning of the Aeration Basin Influent Channel and commended staff on the success of the project.

B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

5. CONSENT AGENDA

MOTION: Made by Mr. Rockoff, Seconded by Mr. Silverman,
Passed unanimously.

“THAT THE GOVERNING BOARD approve the Consent Agenda of March 21, 2019 as presented.”

The following motions were approved as a result of the Board’s adoption of the Consent Agenda:

A. Notice of Intent to Assess - US 1 Residential (Resolution 2019-04)

"THAT THE GOVERNING BOARD approve Resolution 2019-04, the NOTICE OF INTENT to Assess, the Pending Lien Notice, and the Exhibits for the US HIGHWAY ONE RESIDENTIAL Assessment Area."

B. Safety Policies and Procedures – to approve modifications

“THAT THE DISTRICT GOVERNING BOARD ratify and approve the Loxahatchee River Environmental Control District’s “Employee Safety Manual”, as of March 21, 2019, and authorize the Executive Director to update the Employee Safety Manual from time to time, and periodically present it to the Governing Board for ratification and approval.”

C. Change Orders to Current Contracts – to approve modifications

“THAT THE DISTRICT GOVERNING BOARD approve execution of Change Order #006 dated 3/11/2019 increasing the Kirlin Deep Bed Filter project contract by \$208,203.99 and 388 days for a final, total contract price of \$8,748,734.47.”

6. REGULAR AGENDA

A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

No items were pulled for discussion.

B. Final Audit Fiscal Years 2018 & 2017

Mr. Morton reviewed the final audit.

MOTION: Made by Mr. Boggie, Seconded by Mr. Silverman,
Passed Unanimously.

“THAT THE GOVERNING BOARD receive the Annual Financial Report for the fiscal years ended September 30, 2018 and 2017 as prepared and submitted Nowlen, Holt & Miner, P.A.”

D. Lift Station 97 System Main Lining

Mr. Dean reviewed his memo.

MOTION: Made by Mr. Snyder, Seconded by Mr. Silverman,
Passed Unanimously.

“THAT THE DISTRICT GOVERNING BOARD authorize the “piggyback” of Palm Beach County Water Utilities District Contract Bid 16-094 with Hinterland Group, Inc. for main line rehabilitation services in the amount of \$67,672.96.”

and

“THAT THE DISTRICT GOVERNING BOARD authorize an additional contingency amount of \$5,000.00.”

E. Liability and Workers' Compensation Insurance

Dr. Arrington reviewed Ms. Peterson's memo.

No action was taken.

F. Penn Park Gravity Service Lining

Mr. Dean reviewed his memo.

MOTION: Made by Mr. Rockoff, Seconded by Mr. Boggie,
Passed Unanimously.

“THAT THE DISTRICT GOVERNING BOARD authorize the “piggyback” of Manatee County Contract Bid 16-1327BLS with BLD Services, Inc. for service lateral rehabilitation services in the amount of \$545,150.00 contingent on Manatee County's approval of the May 12, 2019 through May 11, 2020 extension on the same terms and conditions of the original contract

and
THAT THE DISTRICT GOVERNING BOARD authorize an additional contingency amount of \$25,000.00.”

A break was taken from 8:01 to 8:04

H. Inlet Village Sub-Regional Line Charge

Dr. Arrington reviewed his memo.

Action was included in Item 6G.

G. Rates, Fees and Charges, Rules Chapter 31-10

Dr. Arrington reviewed his memo on rates, fees and charges.

MOTION: Motion was made by Mr. Boggie, Seconded by Mr. Snyder, Passed Unanimously.

“THAT THE DISTRICT GOVERNING BOARD approve the revised Rule Chapter 31-10 as presented, including the following rate increases for Quarterly Service Charges for Sewer Service:

April 1, 2019 – 0% rate increase,
April 1, 2020 – 2% rate increase,
April 1, 2021 – 2% rate increase,
April 1, 2022 – 2% rate increase,
April 1, 2023 – 3% rate increase;

including the following rate increases for Plant Connection Charges, Regional Transmission System Line Charges, and Administrative Charges for Sewer Service:

April 1, 2019 – 2% rate increase,
April 1, 2020 – 2% rate increase,
April 1, 2021 – 2% rate increase,
April 1, 2022 – 3% rate increase,
April 1, 2023 – 3% rate increase;

and including establishment of the Inlet Village Subregional Line Charge for Inlet Village Subregional Collection Facilities with a rate of \$2,109.88 per equivalent connection. The effective date shall be April 1, 2019.”

C. Busch Wildlife Sanctuary Crocodile/Alligator Exhibit

Dr. Arrington reviewed the proposed exhibit.

MOTION: Made by Mr. Snyder, Seconded by Mr. Boggie, Passed Unanimously.

“THAT THE DISTRICT GOVERNING BOARD approves the proposed crocodile and alligator exhibit as detailed in the attached documents to include zoo mesh, 4 feet to 8 feet above the handrail.”

7. REPORTS

Mr. Boggie requested that the District Engineers report (tab 2 under item 7E), Director's Report, be pulled for discussion.

E. DIRECTOR'S REPORT

Mr. Boggie expressed concern with the timeline on the installation of lift station fall protection devices and suggested discussing alternate options at the April Board Meeting.

The following reports stood as written:

A. NEIGHBORHOOD SEWERING

B. LEGAL COUNSEL'S REPORT

C. ENGINEER'S REPORTS

D. BUSCH WILDLIFE SANCTUARY

8. FUTURE BUSINESS

Dr. Arrington reviewed the Future Business.

9. COMMENTS FROM THE BOARD

No comments were received.

10. ADJOURNMENT

MOTION: Made by Mr. Rockoff, Seconded by Mr. Snyder,
Passed Unanimously.

"That the regular meeting of March 21, 2019 adjourn at 8:58 PM."

BOARD CHAIRMAN

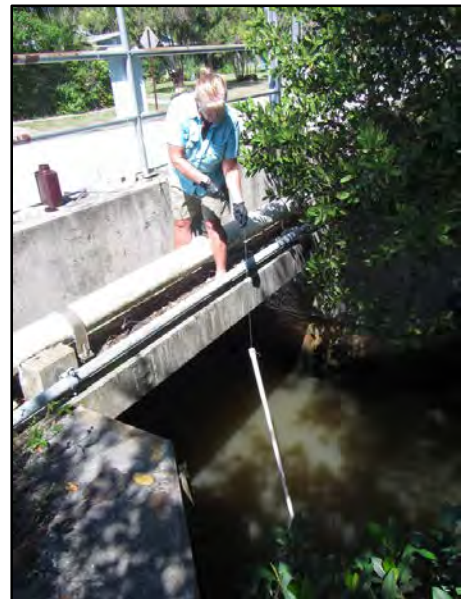
BOARD SECRETARY

ACTING RECORDING SECRETARY



Loxahatchee River Watershed Status Report: Jones Creek Water Quality Investigation Update

Recently we have been working with water quality experts at the State's Department of Environmental Protection (FDEP) to understand the high turbidity conditions in Jones Creek. FDEP's laboratory has the capability for very specialized analysis that we do not have. During a high turbidity event last month we collected water samples and sent them to FDEP's laboratory in Tallahassee. At our meeting we will share with you the interesting results of this sampling event, and explain some recent developments between the residents and the Town of Jupiter toward water quality improvements.



LOXAHATCHEE RIVER DISTRICT'S EXECUTIVE DASHBOARD



Stewardship		Wastewater						Engineering	General Business					EHS	River Health		
# People educated at RC		Mean Daily Incoming Flow	Delivery of Reclaimed Water	Customer Service	Sewer Overflow	Permit exceedance	NANO Blend to Reuse (@ 511)	Grease Interceptor Inspections	Cash Available	Revenue (excluding assessment & capital contrib.)	Operating Expenses	Capital Projects		Employee Safety	Minimum Flow Compliance	Salinity @ NB seagrass beds	River Water Quality
Benchmark / Customer Expectation	% of Target	million gallons/day	# days demand not met	# blockages with damage in home	# occurrences	# occurrences	Max Specific Conductance (umhos/cm)	% requiring pump out	\$	% of Budget	% of Budget	% within budget	% on time	# of OSHA recordable injuries	# Days MFL Violation	%	Fecal Coliform Bacteria (cfu/100ml)
Green Level	≥ 90%	< 7.7	<2	Zero	Zero	Zero	<1542	≤ 15	≥ \$9,894,657	≥ 95%	≥ 85% but ≤ 105%	≥80%	≥80%	Zero	0	min ≥ 20 ‰	90% of sites ≤ 200
Yellow	< 90%	< 8.8	≥ 2	1	≥ 1	≥ 1	≤1875	≤ 25	< \$9,894,657	≥ 90%	≥ 80%	≥60%	≥60%	-	1	min ≥ 10 ‰	2 or more sites >200 but ≤ 400
Red	<75%	≥ 8.8	≥ 9	≥ 2	> 2	≥ 2	>1875	> 25	< \$5,557,057	< 90%	< 80% or > 105%	< 60%	< 60%	≥ 1	≥ 2	min < 10 ‰	≥ 2 sites > 400
2016 Baseline	2,169	6.7	0	0	1	0	1,063	12	\$ 33,223,653	96%	90%	100%	85%	0	not avail	18	1 > 200
2017 Baseline	104%	6.6	1	0	2	0	1,127	9	\$ 30,425,084	95%	85%	98%	85%	0	not avail	23	1 > 200
2018 Baseline	112%	6.8	1	0	2	0	1,216	8	\$ 33,683,858	99%	85%	95%	56%	0	42	23	1 > 200
2018	Mar	104%	7.0	0	0	1	1,322	6	\$ 30,590,419	101%	86%	93%	60%	0	16	33.6	1 > 200
	Apr	89%	6.8	0	0	1	1,350	14	\$ 30,470,440	101%	88%	93%	47%	0	12	32.3	1 > 200
	May	139%	7.2	1	0	4	1,245	0	\$ 32,001,517	101%	89%	93%	47%	1	0	7.0	5 > 400
	June	100%	7.1	3	0	3	1,061	6	\$ 30,357,463	100%	88%	93%	47%	0	0	8.6	6 > 200
	July	102%	6.5	0	0	3	987	5	\$ 36,393,890	100%	88%	93%	27%	1	0	11.0	0 > 200
	Aug	106%	6.6	2	0	0	1,039	7	\$ 36,911,972	99%	89%	93%	27%	1	0	15.8	7 > 200
	Sept	96%	6.3	3	0	5	1,219	8	\$ 35,472,108	100%	87%	93%	27%	0	0	17.6	1 > 200
	Oct	120%	6.4	1	0	2	1,296	7	\$ 35,973,349	96%	73%	100%	100%	0	0	29.1	1 > 200
	Nov	120%	6.6	0	0	3	1,226	8	\$ 37,075,977	95%	82%	100%	100%	0	0	29.2	1 > 400
	Dec	131%	6.8	0	0	1	1,310	5	\$ 37,311,234	103%	84%	100%	67%	1	14	33.3	0 > 200
2019	Jan	105%	7.2	0	0	6	1,399	8	\$ 37,478,367	101%	84%	100%	67%	1	17	29.9	1 > 200
	Feb	106%	7.6	0	1	0	1,262	7	\$ 39,498,968	101%	86%	100%	83%	0	3	24.5	1 > 400
	Mar	119%	7.2	0	0	2	1,170	0	\$ 38,046,365	99%	88%	100%	75%	0	0	30.4	0 > 200
Consecutive Months at Green	11	118	6	1	0	68	103	23	117	80	2	42	1	2	1	4	7
Metric Owner	O'Neill	Campbell	Dean	Dean	Dean	Campbell	Campbell	Dean	Peterson	Peterson	Peterson	Dean	Dean	Campbell	Howard	Howard	Howard

Metric	Explanation
Sewer Overflows	This month we had two minor sewer overflows. #1 approximate 50 gallons of raw wastewater was spilled into the excavated hole while we were disconnecting the Master Lift Station from our 30 inch force main because an isolation valve allowed a minimal amount of leakage that flowed into an unlined excavated area. #2 approximately 790 gallons of raw wastewater was spilled into the excavated trench while working to rehabilitate our 24-inch diameter force main at the intersection of Riverside Drive and Alternate A1A. In this event, we had lined the excavated area and were capturing any leaking wastewater but as the job progressed external complexities compromised our ability to capture the leaking wastewater. More details are available in Kris' Engineering Report.
Capital Projects: On-time	The following projects are behind schedule: installation of permanent generators at Lift Station 43 and 62 is behind schedule but should be completed this fiscal year; replacement of Olympus force main - this project will likely be completed 4 months behind schedule (in FY2020); and construction of low pressure sewers in Island Country Estates - we are working on a plan to make up lost time.

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: Governing Board
FROM: Administration Staff
DATE: April 16, 2019
SUBJECT: Consent Agenda

All items listed below are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board Member or citizen, in which event, the item will be removed and considered under the regular agenda.

This month's consent agenda consists of the following items:

- A. Headworks Emergency Standby Generator- to approve purchase
- B. Fixed Asset Disposal – to approve disposal
- C. New Palm Beach Heights Sewer Construction Contract- to award contract
- D. Change Order- to approve modifications

Should you have any questions regarding these items, I would be pleased to discuss them further with you.

The following Motion is provided for Board consideration:

“THAT THE GOVERNING BOARD approve the Consent Agenda of April 25, 2019 as presented.”

Signed,

D. Albrey Arrington, Ph.D.
Executive Director

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Loxahatchee River District

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: D. ALBREY ARRINGTON, PH.D.
EXECUTIVE DIRECTOR

FROM: KRIS DEAN, P.E.,
DEPUTY EXECUTIVE DIRECTOR/DIRECTOR OF ENGINEERING SERVICES

DATE: APRIL 12, 2019

SUBJECT: HEADWORKS EMERGENCY STANDBY GENERATOR AND ATS PURCHASE

In December 2018 the Board authorized the “piggy-back” of the Florida Sherriff’s Association and Association of Counties (FSA&AC) contract with ACF Power Systems, Inc. for an 80 KW Generator. Incorrectly, the quote used as a basis for this motion was from an alternative vendor supplying a portable unit.

As staff worked to correct the error they also re-evaluated the project and determined that a larger (125KW) generator will be required based on recalculated loads including odor control and that a permanent installation would be preferred. Staff then worked with ACF Power Systems on a new quote, as attached, utilizing a 125KW stationary generator and ATS package in the amount of \$44,555.00.

The following REVISED motion is offered for the Governing Board’s consideration:

“THAT THE DISTRICT GOVERNING BOARD rescind the previous authorization given at the December 13, 2018 Board Meeting to “piggy-back” the Florida Association of Counties (FSA&AC) contract with ACF Power Systems, Inc. for an 80 KW Generator Package Specification #77 in accordance with ACF Power System, Inc.’s proposals dated October 1st, 2018.”

and

“THAT THE DISTRICT GOVERNING BOARD authorize the “piggyback” of ACF Power Systems FSA&AC Contract FSA 18-VEH 16.0 Cab and Chassis Trucks and Heavy Equipment, 125 KW Generator package Specification #76 for a 125KW Stationary Emergency Generator and 225 Amp Automatic Transfer Switch in accordance with their proposal dated January 25, 2019.

Gordon M. Boggie
Snyder
Board Member
Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D.
Board



A-F Standby Systems
Power Generation



0020235353

Date: January 25, 2019

Reference: Loxahatchee River Environmental Control District

We are pleased to offer the following quote for the above project:

FSA 18-VEH16.0 CAB & CHASSIS TRUCKS AND HEAVY EQUIPMENT

125KW Generator Package Specification #76 / 2018-2019

ITEM I

- 125KW Generator Package Specification # 76 2019 Generac SD130..... \$ 35,000.00
- Upgrade Generator Package PMG..... \$ 1,100.00
- Optional Equipment 2 hour Resistive Load Bank..... \$ 350.00
- Optional Equipment E-Stop Break Glass- Ship Loose..... \$ 400.00

Sub-Total: \$ 36,850.00

ITEM II

- 600 Amp ATS Package Specification # 80 2019 Generac 600 Amp ATS..... \$ 7,100.00
- Downgrade to 225A..... \$ **-1,500.00**
- Upgrade to Service Entrance Rated..... \$ 1,000.00
- Optional Equipment NEMA 4X Enclosure \$ 1,105.00

Sub-Total: \$ 7,705.00

Total investment for the above equipment (Not including any applicable tax): \$ 44,555.00

We are pleased to offer the following quote for the above project:

Quantity 1 - Generac Industrial diesel engine-driven generator set with turbocharged/aftercooled 6-cylinder 6.7L engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- **130 kW Rating, wired for 277/480 VAC three phase, 60 Hz**
- Permanent Magnet Excitation
- **Level 1 Acoustic Enclosure, Aluminum**
 - **Industrial Grey Baked-On Powder Coat Finish**
- UL2200
- EPA Certified
- H-100 Control Panel
 - Meets NFPA 99 and 110 requirements
 - Temp Range -40 to 70 degrees C
 - Digital Microprocessor:
 - Two 4-line x 20 displays, full system status

- 3 Phase sensing, +/-0.25% digital voltage regulation
 - RS232, RS485 and Canbus remote ports
 - Waterproof connections
 - All engine sensors are 4-20ma for minimal interference
 - Programmable I/O
 - Built-in PLC for special applications
- Engine function monitoring and control:
 - Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
 - Isochronous Governor, +/-0.25% frequency regulation
 - Full system status on all AC output and engine function parameters
 - Service reminders, trending, fault history (alarm log)
 - I2T function for full generator protection
 - Selectable low-speed exercise
- HTS transfer switch function monitoring and control
- 2-wire start controls for any 2-wire transfer switch
- 160 MPH Wind Load Certified
- Air Filter Restriction Ind
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Battery, with rack, installed
- Coolant Heater, 1500W
- **24" 220 Gallon Double-Wall UL142 Basetank**
 - **Mechanical fuel level indicator gauge**
 - **Electronic fuel level sender**
 - **Emergency Vent**
 - **8" Fuel Fill Extension**
- Remote Emergency Stop Switch, Break-Glass, shipped loose
- 3 Owner's Manuals
- 120V GFCI and 240V Outlet
- Primary MLCB, 100% rated thermal-magnetic
 - 225 Amp
 - Shunt trip and Auxiliary Contacts
- 2-Year Comprehensive Warranty

Quantity 1 - PSTS Series Automatic Transfer Switch consisting of the following features and accessories:

- **Service Entrance Rated, Open Transition**
- **225 Amp, 3 Pole, 277/480 VAC three phase**
- CUL Listed
- UL1008 Listed
- **NEMA 4X Enclosure**
- ATC-300+ Microprocessor-Based Controller
 - 2-Line, 32-Character Alphanumeric LCD Display
 - Front Panel Mimic Diagram with colored LEDs for Source/Load Indication
 - Standard Features:
 - Sensing and Programmable Setpoints for both Normal (S1) and Emergency (S2): Under-voltage/Under-frequency, Over-voltage/Over-frequency; Voltage Unbalance Sensing and Phase Reversal for all phases
 - Adjustable Time Delays: Engine Start, Transfer Normal to Emergency & Emergency to Normal, Engine Cooldown, Emergency Fail
 - Pushbutton for Bypassing Time Delays on Transfer/Retransfer
 - Test Pushbutton
 - Contacts for Go to Emergency (S2)
 - MODBUS Communication
 - Digital Programmable Plant Exerciser:
 - Off, 1-Day, 7-Day, 14-Day, 28-Day Intervals
 - Adjustable 0-600 Minutes Run Time
 - Selectable for Load or No Load
 - Auxiliary Contacts:

- Normal (S1) Source Present (2 Form C)
- Emergency (S2) Source Present (2 Form C)
- Normal (S1) Position Indication (1 Form C)
- Emergency (S2) Position Indication (1 Form C)
- Pre-Transfer Signal Contacts (1 Form C)
- 37A - Service Equipment Rated w/o Ground Fault Protection
- 41A - 100W Space Heater with Adjustable Thermostat
- 42 - IBC/CBC Seismic Qualified
- 12L - Indicator Light, Normal Source Tripped
- 36 - Load Shed from Emergency
- 16N - Overcurrent Protection, Source 1
- 32A - Time Delay Neutral, Adjustable
- Normal Terminal Mechanical Lugs, Customer Connection: (1) #3-350MCM per phase
- Emergency Terminal Mechanical Lugs, Customer Connection: (1) #3-350MCM per phase
- Load Terminal Mechanical Lugs, Customer Connection: (1) #6-350MCM per phase
- Neutral Terminal Mechanical Lugs, Customer Connection: (3) #4-350MCM
- 2-Year Extended Warranty
- ATV3KDC30225XDU

Quantity 1 - Start Up and commissioning includes 2 hour Restive Load Bank Test

Quantity 1 - freight to jobsite off loading by others

Clarifications and Exceptions:

- No Enclosure Wind Load P.E. Calculations. Optional adder.
- Buyers referenced to local, state, or federal government requirements.
- No Anchoring Calculations and/or anchors.
- No Offloading.
- No installation.
- No rigging.
- No power systems or selective coordination study.
- Equipment performance beyond manufacturer's design.
- No Storage or insurance.
- No third-party electrical apparatus testing / inspections, and/or special testing (emissions, noise, harmonics, etc...
- NO NETA Testing Must be performed by third party agency.
- No Special testing equipment (oscilloscope, thermal camera, harmonic analyzer, etc...
- No general, civil and/or plumbing work or materials.
- No electrical and/or mechanical work including materials.
- No engineering or permitting.
- No third-party testing agency.
- No Sound Testing by ACF.
- No fuel or equipment rental.
- No Sub-base in field pressure integrity testing.
- No Maintenance Contract by ACF.

Notes

1. This Quotation is based upon Engineering Specifications N/A & Drawings N/A. No other sections shall apply. Based of sizing by engineer
2. Quotation is valid for 60 days. If not released to production within 60 days, pricing, delivery extension and escalation charges may apply.
3. ACF Standby Systems is not responsible for any delays in delivery due to Act of Nature, explosion, fire, strikes, accidents, war, terrorism, flood, accidents or other causes beyond our company control. Quoted shipping schedules are not guaranteed and subject to change without notice. In no case is ACF Standby Systems responsible for incidental or consequential damages.
4. ACF Standby Systems does not accept liquidated damages as a part of third party contracts.

5. Equipment will be invoiced (and payment expected according to ACF's Terms and Conditions) at the time of shipment or when ready to ship from point of origin. Delays by the buyer may result in storage fees and/or additional freight charges.
6. The warranty is that of the above-named manufacturer(s). Refer to the manufacturer's warranty statement for details. No special warranty is implied. The Manufacturer's warranty begins on the day of start-up or 6 months after shipment, whichever occurs first, not substantial completion. It is the contractor's responsibility to coordinate start-up along with the date of substantial completion.
7. If the generator set is not installed and ready for startup within 6 months of shipment it will require long term storage procedures. Please refer to the Operation and Maintenance Manual for such requirements. All costs related to long term storage is the responsibility of the purchaser. Failure to follow these procedures may void warranty and affect equipment operation. Contact ACF Standby Systems for assistance.
8. Additional sets of O&M manuals are available at an additional cost. The manufacturer's standard format shall apply. Custom O&M manuals will be available at an additional charge.
9. Startup services will not proceed until the buyer's account is current and in good standing.
10. Quotation does not include offloading, rigging, anchoring, installation, exhaust plumbing, exhaust insulation, fuel or permitting.
11. ACF Standby Systems is not responsible for testing of fuel tank(s) provided by any party. Fuel tank testing, as required by FDEP (Florida Department of Environmental Protection) Chapters 62-761 and 62-762, is the responsibility of the installing Contractor and Generator Permit Applicant. ACF Standby Systems LLC is not responsible for damages or costs incurred by any party, when a fuel tank is filled before field testing required under FDEP or testing mandated by a Local Inspector of Authority under FBC, is performed.
12. Pricing is subject to ACF Standby Systems Payment Terms.

Terms and Conditions

This proposal is subject to ACF Terms and Conditions of Sale, attached.

Sincerely,

Thank You,

John Agnes



www.ACFStandbySystems.com

John Agnes

Sales Engineer

Mobile (352) 277-6403

Fax (813) 621-6980

Email j.agnes@acfpower.com

Connect

Acceptance of Quote

Prior to ordering equipment or services, please sign and return as a confirmation of the content of this proposal and the attached terms and conditions

Customer Signature

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



D. Albrey Arrington, Ph.D., Executive Director

To: Governing Board
From: Kara Peterson, Director of Finance and Administration
Date: April 18, 2019
Subject: Disposal of Fixed Assets

Whenever the District disposes of tangible personal property of a non-consumable nature we are required by Florida Statutes to bring the matter to the attention of the governing body. Therefore, consistent with our procedures, I request your authorization to dispose of the items listed below:

Tag #	F/A #	Description	Date Recorded	Acquired Value	Book Value
	PE0071	John Deere Gator Cart	09/30/12	\$ 8,365	\$ -
2576	N/A	Dell Desktop PC	09/30/09	1,781	-
2625	N/A	Dell Desktop PC	09/30/11	845	-
2632	N/A	Dell Desktop PC	09/30/11	845	-
2639	N/A	Dell Desktop PC	09/30/11	845	-
2645	N/A	Dell Desktop PC	09/30/11	860	-
2650	N/A	Dell Desktop PC	09/30/11	1,230	-
2655	N/A	Dell Laptop	09/30/11	1,211	-
2681	N/A	Dell Desktop PC	09/30/11	1,230	-
2723	N/A	Dell Laptop	09/30/13	865	-
2835	N/A	Dell Desktop PC	09/30/16	906	-
2850	N/A	Dell Laptop	09/30/16	1,439	-
2875	N/A	Dell Desktop PC	09/30/17	1,024	-
2897	N/A	Dell Desktop PC	09/30/17	1,024	-
Total Assets to be Disposed				\$ 22,470	\$ -

These items are no longer of use to the District and will be sold or scrapped.

If you have any questions, please feel free to contact me.

I offer the following motion for your consideration:

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property including fixed asset number PE007 and asset tag numbers 2576, 2625, 2632, 2639, 2645, 2650, 2655, 2681, 2723, 2835, 2835, 2850, 2875, and 2897 in the schedule above.”

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Loxahatchee River District

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: D. ALBREY ARRINGTON, PH.D.
EXECUTIVE DIRECTOR

FROM: KRIS DEAN, P.E.,
DEPUTY EXECUTIVE DIRECTOR/DIRECTOR OF ENGINEERING SERVICES

DATE: APRIL 12, 2019

SUBJECT: AWARD OF CONTRACT: ITB # 19-004-NPBHLPSS NEW PALM BEACH HEIGHTS
LOW PRESSURE SEWER SYSTEM.

On April 9, 2019, the District received bids on the referenced Neighborhood Sewering Project as summarized below and detailed in the attached Recommendation of Award.

The Lazarus Group, Inc.	\$110,776.75
Hinterland Group, Inc.	\$122,978.00
Johnson-Davis, Inc.	\$139,491.00
Foster Marine, Inc.	\$197,532.50

Construction for this project is a budgeted project for \$200,000 this fiscal year.

The following motion is offered for your consideration.

“THAT THE DISTRICT GOVERNING BOARD authorize the award of a contract to The Lazarus Group, Inc. for the New Palm Beach Heights Low Pressure Sewer System in the amount of \$110,776.75 and an additional contingency amount of \$5,000.00.

Gordon M. Boggie
Snyder
Board Member
Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D.
Board

Loxahatchee River District

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D. Albrey Arrington, Ph.D., Executive Director



MEMORANDUM

TO: D. ALBREY ARRINGTON, PH.D.

FROM: KRIS DEAN, P.E.,
DEPUTY EXECUTIVE DIRECTOR/DIRECTOR OF ENGINEERING SERVICES

DATE: APRIL 12, 2019

SUBJECT: ENGINEER'S RECOMMENDATION OF AWARD: ITB # 19-004-NPBHLPSS NEW PALM BEACH HEIGHTS LOW PRESSURE SEWER SYSTEM

On April 9, 2019 the District received four sealed bids for the subject project. The Bid provided for installation of a low pressure sewer system in the New Palm Beach Heights development in Juno Beach, FL.

A summary of the bids is below and attached.

The Lazarus Group, Inc.	\$110,776.75
Hinterland Group, Inc.	\$122,978.00
Johnson-Davis, Inc.	\$139,491.00
Foster Marine, Inc.	\$197,532.50

As the apparent low, an evaluation of The Lazarus Group, Inc.'s bid was performed. They were found to be responsive and responsible, as such, we recommend award of ITB # 19-004-NPBHLPSS to Lazarus Group, Inc. in the amount of \$110,776.75.

Signed,

Kris Dean, P.E.
Deputy Executive Director/Director of Engineering Services

KD\

Attachments: Bid Tab
Bid Checklist

cc: Hazel Figueroa w/Attachments
Debra Henderson w/Attachments

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

New Palm Beach Heights Low Pressure Sewer System - ITB #19-004-NPBHLPSS - April 9, 2019

UNIT PRICE BID TAB				Hinterland		Foster Marine		Lazarus Group *		Johnson Davis	
NO.	ITEM	QUANTITY	UNIT	PRICE/UNIT	TOTAL	PRICE/UNIT	TOTAL	PRICE/UNIT	TOTAL	PRICE/UNIT	TOTAL
1	Mobilization/Demobilization	1	LS	\$12,000.00	\$12,000.00	\$16,000.00	\$16,000.00	\$9,705.00	\$9,705.00	\$5,500.00	\$5,500.00
2	Maintenance of Traffic	1	LS	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$750.00	\$750.00
3	Record Drawings	1	LS	\$8,500.00	\$8,500.00	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
4	Preconstruction Video	1	LS	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$400.00	\$400.00
5	NPDES Permit/Erosion Measures	1	LS	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$300.00	\$300.00
6	2" PVC Force Main & Fittings Trench	1,121	LF	\$18.00	\$20,178.00	\$32.50	\$36,432.50	\$11.75	\$13,171.75	\$21.00	\$23,541.00
7	2" HDPE Force Main & Fittings- Directional Drilled or Pnewmatic Moled	1000	LF	\$22.00	\$22,000.00	\$32.00	\$32,000.00	\$18.00	\$18,000.00	\$27.00	\$27,000.00
8	1.5" Single Service (Short)	7	EA	\$1,200.00	\$8,400.00	\$2,200.00	\$15,400.00	\$1,600.00	\$11,200.00	\$1,650.00	\$11,550.00
9	1.5" Double Service (Short)	4	EA	\$1,600.00	\$6,400.00	\$4,400.00	\$17,600.00	\$2,000.00	\$8,000.00	\$3,250.00	\$13,000.00
10	1.5 HDPE Single Service (Long)- Directional Drilled or Pnewmatic Moled	17	EA	\$1,600.00	\$27,200.00	\$2,800.00	\$47,600.00	\$2,100.00	\$35,700.00	\$2,250.00	\$38,250.00
11	1.5 HDPE Dolble Service (Long)- Directional Drilled or Pnewmatic Moled	2	EA	\$2,000.00	\$4,000.00	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00	\$3,650.00	\$7,300.00
12	Terminal Flushing Port	2	EA	\$1,000.00	\$2,000.00	\$4,000.00	\$8,000.00	\$800.00	\$1,600.00	\$2,500.00	\$5,000.00
13	Connect 2" PVC Force Main to Existing 2" PVC Force Main	2	EA	\$2,400.00	\$4,800.00	\$2,500.00	\$5,000.00	\$1,200.00	\$2,400.00	\$2,200.00	\$4,400.00
TOTAL BASE BID AMOUNT \$				\$122,978.00		\$197,532.50		\$110,776.75		\$139,491.00	

* Lazarus Group, Inc.'s Bid price was corrected from amount on Bid Form from \$110,777.00 to \$110,776.75

New Palm Beach Heights Neighborhood Low Pressure Sewer System
ITB #19-004-NPBHLPSS
April 9,2019

Company	Foster Marine	Hinterland Group	Lazarus Group	Johnson Davis		
Schedule of Bid	\$197,532.50	\$122,978.00	\$110,777.00	\$139,491.00		
Instruction to Bidders			X			
Proposal Article 2			X			
Proposal ARTICLE 2a 1 through 10			X			
Sworn Statement on Public Entity Crimes			X			
Financial Statement			X			
BID SECURITY			X			
Bid Bond			10%			
Power of Attorney (for Surety Bond)			Verified			
Corporate Authority to execute Bid (if other than President or Vice President)			Verified			
Copies of current valid licenses (GC or UUEC)			X			
Addendum 1			X			
Addendum 2			NA			

Loxahatchee River District

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D. Albrey Arrington, Ph.D., Executive Director



MEMORANDUM

TO: D. ALBREY ARRINGTON, PH.D.
EXECUTIVE DIRECTOR

FROM: KRIS DEAN, P.E.,
DEPUTY EXECUTIVE DIRECTOR/DIRECTOR OF ENGINEERING SERVICES

DATE: APRIL 16, 2019

SUBJECT: MASTER LIFT STATION NO 1 REHABILITATION: CONTINGENCY

On July 23, 2018 we issued the Notice to Proceed on the referenced project. We estimate the contractor is currently 75% complete with startup and testing scheduled for mid-May 2019. During the course of the project we have executed three change orders and have one other currently being negotiated. The items included in these changes originated from owner requests, were due to deficiencies in the original project record and changes to the site in the 40 years since it has been in service or unknown conditions at the time of design and bid. A summary is provided below.

Change Order 1: Realignment of underground piping to match existing conditions	\$5,163.00
Change Order 2: Credit for PLC panel and additional costs for rerouting various raceways that were demolished with the old MCC	\$2,619.30
Change Order 3: Provide temporary power to existing chemical feed, new disconnects for existing roof mounted fans and replace deteriorated FPL feeder	\$23,085.37
<u>Proposed</u> Change Order 4: We are currently under negotiation for approximately \$18,000 of revised work associated with a sump pump and required electrical.	\$18,000.00

The original project award was for \$1,860,777.00 with an additional contingency fund of \$56,000 (3% of contract value) of which approximately \$7,000.00 will remain when the final negotiations above are complete. To ensure adequate funds are available and staff are prepared to be responsive to new changes, should they arise, we are requesting an additional \$18,000 in contingency funds (1% of contract value).

To that end the following motion is offered for the Governing Board's consideration:

“THAT THE GOVERNING BOARD authorize an additional contingency for this project in the amount of \$18,000.00.”

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Loxahatchee River District

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: D. ALBREY ARRINGTON, PH.D.
EXECUTIVE DIRECTOR

FROM: KRIS DEAN, P.E.,
DEPUTY EXECUTIVE DIRECTOR/DIRECTOR OF ENGINEERING SERVICES

DATE: APRIL 12, 2019

SUBJECT: ALTERNATE A1A 16 INCH FORCE MAIN EXTENSION: CHANGE ORDER 002

As part of the bid we anticipated flagmen being required only during the jack and bore installations, as such, a bidding contingency of \$15,000 was included to cover the anticipated flagmen costs. However, Florida East Coast Railway (FECR) is requiring flagmen be present anytime we are within the right of way. This includes work parallel to the tracks of which there is a significant amount. Working with the engineer and contractor we have estimated the additional costs for the required flagmen presence to be \$75,000, as detailed in the attached proposed Change Order # 2.

The following REVISED motion is offered for the Governing Board's consideration:

“THAT THE DISTRICT GOVERNING BOARD authorize an increase in the Alternate A1A 16 Inch Force Main Extension Contract Bid Item # 45 Railway Flagmen Allowance from \$15,000 to \$90,000.”

Gordon M. Boggie
Snyder
Board Member
Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D.
Board



April 12, 2019 – Fed Exp

Mr. Kris Dean
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, Florida 33458-8964

***Subject: Loxahatchee River Environmental Control District
Alternate AIA 16" Force Main Extension
Change Order #02***

Dear Mr. Dean,

Enclosed please find three (3) signed copies of Change Order #02 for final processing.

If you have any questions or concerns, please call me at 425-7708.

Sincerely,

MATHEWS CONSULTING, INC.

A handwritten signature in blue ink, appearing to read "R. M. Chipman".

Richard M. Chipman, CGC
Construction Manager

Enclosure

cc: MC File #161862/Const/Changes/CO#02

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458
(561) 747-5700 FAX (561) 747-9929

CHANGE ORDER #2

DATE: 04/10/2019

PROJECT NAME: Alternate AIA 16-Inch Force Main Extension

OWNER: Loxahatchee River Environmental Control District

CONTRACTOR: Johnson-Davis, Inc.

THE FOLLOWING CHANGES:

- **Increases Bid Item #45 "Railway Flagmen Allowance" from \$15,000 to \$90,000 to cover unexpected costs of FEC Flagmen.**

JUSTIFICATION:

- **The Permit requirement for FEC Flagmen was anticipated for the Jack & Bore portion of the work crossing the Railroad. However, FEC is requiring Flagmen to be present during the entire FM Installation along the FEC right of way.**

CHANGE TO CONTRACT PRICE:

Original CONTRACT PRICE: \$1,384,000.00

Current Contract Price including C.O. # 1 \$1,387,061.88

Contract Price due to this Change Order
will be *INCREASED/DECREASED* by: \$ 75,000.00

The New Contract Price including
this Change Order will be: \$1,462,061.88

CHANGE TO CONTRACT TIME:

The DATE OF COMPLETION of all Work will be: UNCHANGED

APPROVED BY CONTRACTOR:

4.11.19

DATE

APPROVED BY ENGINEER:

MATHEWS CONSULTING, A BAXTER & WOODMAN CO.

4/11/19
DATE

APPROVED BY OWNER:

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT DATE



CHANGE ORDER REQUEST

April 11, 2019
 Mathews Consulting
 477 S Rosemary Avenue, Suite 330
 WPB, FL 33401
 Attn: Richard Chipman

Project: Alternate A1A 16inch FM
 RE: FEC Flagmen additional contingency

J-D COR #: 5

Richard,

The following is our **estimate** related to additional FEC flagmen contingency required per contract.

DATE: TBD

1	FEC Flagmen additional contingency	1	LS	\$75,000.00	\$75,000.00
Total Amount of Change Order:					\$75,000.00

Total Amount of Days Added to The Contract: **0**

Please review and forward to the responsible parties for authorization.
 As always, should there be any questions, please feel free to contact our office.

Sincerely,

Robson Lima
 Project Manager

Date	protection hours	duration	shift description	\$	responsibility
Thursday, March 07, 2019	7am to 5pm	10.0	weekday	\$ 1,200.00	LRD
Friday, March 08, 2019	7am to 5pm	10.0	weekday	\$ 1,200.00	LRD
Monday, March 11, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, March 12, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, March 13, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, March 14, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Saturday, March 23, 2019	4pm to 5am	13.0	Saturday	\$ 2,060.00	LRD
Monday, March 25, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, March 26, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, March 27, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, March 28, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, March 29, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, April 01, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, April 02, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, April 03, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, April 04, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, April 05, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, April 08, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, April 09, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, April 10, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, April 11, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, April 12, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, April 15, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, April 16, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, April 17, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, April 18, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, April 19, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, April 22, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, April 23, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, April 24, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, April 25, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, April 26, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, April 29, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, April 30, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, May 01, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, May 02, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, May 03, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, May 06, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, May 07, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, May 08, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, May 09, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, May 10, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, May 13, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, May 14, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, May 15, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD

Date	protection hours	duration	shift description	\$	responsibility
Thursday, May 16, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, May 17, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, May 20, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, May 21, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, May 22, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, May 23, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, May 24, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, May 27, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, May 28, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Wednesday, May 29, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Thursday, May 30, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Friday, May 31, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Monday, June 03, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD
Tuesday, June 04, 2019	530am to 5pm	11.5	weekday	\$ 1,470.00	LRD

See page 3 to substantiate FEC Flagmen rates.

\$ 86,780.00 LRD

This Change Order #02 in neither approval nor rejection of the above costs, it is an estimate for the purpose of providing sufficient allowance funds to cover the cost of FEC Flagmen. There are some allowance funds already in the Contract for this purpose as noted below.

Total estimated cost of Flagmen.....\$86,780.00

Rounded up for safety factor\$90,000.00
Less original Bid Item 45 allowance.....[\$15,000.00]
Cost of this Change Order #2.....\$75,000.00

Florida East Coast Railway Flagging Order

Effective February 1, 2019

Change Order #2
Page 5 of 5

1	Date Request Submitted	3/6/2019
2	Company Requesting	Johnson Davis, Inc
3	Sub Contractor	Wakefield Boring
4	Person Requesting	Robson Lima
5	Phone	561-719-1349
6	Email	rlima@johnsondavis.com
7	Fax	561-585-5252
8	Services being provided for:	Johnson Davis, Inc
9	Contact Name	Robson Lima
10	Phone	561-719-1349
11	Email	rlima@johnsondavis.com
12	Field Contact name	Joe Bagford
13	Phone	561-722-1001
14	Email	jbagford@johnsondavis.com
15	Bill to	Johnson Davis, Inc
16	Billing Email Address	sstephani@johnsondavis.com
17	Billing Address	604 Hillbrath Drive
18	City, State, Zip	Lantana, FL 33462
19	PO Number	21559.003
20	Start date	3/7/2019
21	Start & Stop Times	7am to 5pm datytime, and one night work on 3/8 (4pm to 5am)
22	Expected Duration	3 months
23	Job Location	Jupiter, FL
24	Job Description	Installation of 16" FM along FEC ROW with Jack and Bore and directional drill
25	Print Name:	Robson Barros Lima
26	Accepted by: <small>electronic signature is acceptable when emailed</small>	

Note: By signing this form your company is responsible for the costs associated with the work.

Daily Rates	0-10 Hours	Overtime Rate
These rates are incurred for 0 - 10 hours. After 10 hours, time will be charged in one hour increments at the overtime rate	\$1,200.00/Weekday	\$180.00/Hour
	\$1,700.00/Saturday	\$255.00/Hour
	\$2,000.00/Sunday	\$300.00/Hour
Holiday Rates	0-10 Hours	Overtime Rate
Railroad holidays include: New Year's Eve, New Year's Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving, Christmas Eve and Christmas Day	\$2,000.00/Holiday	\$300.00/Hour

Job set up and breakdown takes approximately 30 minutes to 2.5 hours each day depending on the type of protection required. This time will be added on to the working hours.

FEC will send your invoice via email to the billing email address you provide.

Should less than 48 hours notice be given, a mobilization service fee will be charged of \$100 per occurrence.

PLEASE ENSURE THE INFORMATION ON THE ORDER IS CORRECT WHEN YOU RECEIVE YOUR CONFIRMATION.

For any work that requires excavating on RR property, a SDL (signal dig location) number must be issued by FEC by calling 1-800-342-1131 ext. 2377. IT IS YOUR RESPONSIBILITY to call **BOTH** the FEC Railway for SDL number and Sunshine state one call (dial 811) prior to doing any excavating.

Information below will be completed and Job Confirmation will be sent to you by RailPros. Please refer to Job number below when calling about Job

SDL Number (assigned by FEC)	
FEC MP	
Job Number #	
Work Order # / Account #	

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Loxahatchee River District

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: GOVERNING BOARD
FROM: KARA PETERSON, DIRECTOR OF FINANCE AND ADMINISTRATION
DATE: APRIL 18, 2019
SUBJECT: LIABILITY AND WORKERS COMPENSATION INSURANCE

The District's current Property, General Liability, Automobile Liability and Physical Damage, and Workers' Compensation insurance policy with *Preferred* Governmental Insurance Trust (*Preferred*) expires on April 30, 2019. Staff has updated the District's asset and payroll schedules to reflect our current exposures and have submitted these schedules to our insurance broker, Brian Cottrell of Public Risk Insurance Agency. *Preferred* has submitted a two year renewal quote where next year's premiums will be determined based on updated exposure values for the period and rates will remain unchanged.

Preferred's renewal quote, on exposures for the period May 1, 2019 to April 30, 2021, is summarized below and provided in detail on the following pages.

Insurance	Current Premium	Renewal Premium	Change (\$)	Change (%)
Property	\$ 249,379	\$ 267,627	\$ 18,248	7.32%
Inland Marine	9,169	9,948	779	8.50%
General Liability	22,200	23,745	1,545	6.96%
Automobile Liability	7,694	8,426	732	9.51%
Automobile Physical Damage	9,500	5,451	(4,049)	-42.62%
Workers' Compensation	95,525	80,338	(15,187)	-15.90%
	\$ 393,467	\$ 395,535	\$ 2,068	0.53%

The increase in premium for Property insurance is due to adding three new lift stations for an increase in exposure of approximately \$841,000 or 1.26%, the remaining 6% is related to a rate increase. Based on our claims history we decided to increase our Automobile Physical Damage deductible from \$1,000 to \$5,000 which will save the district approximately \$4,000, annually. The District's estimated payroll increased 1.76% and our Experience Mod increased from 1.10 to 1.13; however, National Workers Compensation rates decreased significantly causing the District to have a decrease in our overall Workers Compensation premium.

Please let me know if you have any questions.

At this time, I recommend the Board consider the following motion:

"THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to accept *Preferred's* two year renewal quote for Property, General Liability, Automobile Liability and Physical Damage, and Workers' Compensation."

Covered Party:	Loxahatchee River Environmental Control District
Effective Date:	5/1/2019

LINE OF COVERAGE	2018/2019			2019/2020			Changes in Exposures	
	LIMIT	DEDUCTIBLE/SIR	ANNUAL PREMIUM	LIMIT	DEDUCTIBLE/SIR	ANNUAL PREMIUM	2018/2019	2019/2020
Property:								
Preferred								
Blanket Buildings & Contents	\$ 66,948,261		\$ 249,379	\$ 67,789,678	\$ 10,000	\$ 267,627	Property	
Equipment Breakdown	\$ 50,000,000	\$ 10,000		\$ 50,000,000	\$ 10,000		Exposure	\$ 841,417
Excess Flood	\$ 5,000,000	\$ 10,000		\$ 5,000,000	\$ 10,000		Difference	1.26%
Earthquake	\$ -			\$ -				
Terrorism	\$ -			\$ -			Premium	\$ 18,248
Named Windstorm	\$ 66,948,261	5% or \$25,000 minimum		\$ 67,789,678	5% or \$25,000 minimum		Difference	7.32%
Accounts Receivable	\$ 250,000	\$ 10,000		\$ 250,000	\$ 10,000			
Additional Expense	\$ 500,000	\$ 10,000		\$ 500,000	\$ 10,000			
Business Income	\$ 50,000	\$ 10,000		\$ 50,000	\$ 10,000			
Errors & Omissions	\$ 250,000	\$ 10,000		\$ 250,000	\$ 10,000			
Demolition & Increased Cost of Construction	\$ 1,250,000	\$ 10,000		\$ 1,250,000	\$ 10,000			
Inland Marine:							Inland Marine	
Communications Equipment	Incl in Unscheduled Blkt limit	\$ 2,500	\$ 9,169	Incl in Unscheduled Blkt limit	\$ 2,500	\$ 9,948	\$ 2,367,703	\$ 2,535,236
Mobile Equipment	\$ 1,817,703	\$ 2,500		\$ 1,985,236	\$ 2,500		Exposure	\$ 167,533
Electronic Data Processing	Incl in Unscheduled Blkt limit	\$ 2,500	Incl in Unscheduled Blkt limit	\$ 2,500			Difference	7.08%
Emergency Services Portable Equip	Incl in Unscheduled Blkt limit	\$ 2,500	Incl in Unscheduled Blkt limit	\$ 2,500				
Fine Arts	Incl in Unscheduled Blkt limit	\$ 2,500	Incl in Unscheduled Blkt limit	\$ 2,500			Premium	\$ 779
Other Inland Marine	Incl in Unscheduled Blkt limit	\$ 2,500	Incl in Unscheduled Blkt limit	\$ 2,500			Difference	8.50%
Rented Borrowed Leased Equipment	\$ 50,000	\$ 5,000		\$ 50,000	\$ 5,000			
Valuable Papers	Incl in Unscheduled Blkt limit	\$ 2,500	Incl in Unscheduled Blkt limit	\$ 2,500				
Watercraft	\$ -			\$ -				
Unscheduled Blanket Inland Marine	\$ 500,000	\$ 5,000		\$ 500,000	\$ 5,000			
Other - Please Specify								
		Sub-Total	\$ 258,548		Sub-Total	\$ 277,575		
General Liability:							Payroll	Payroll
Preferred							\$5,029,112	\$5,117,521
General Liability	\$ 3,000,000	\$ 5,000	\$ 22,200	\$ 3,000,000	\$ 5,000	\$ 23,745	Exposure	\$ 88,409
Employee Benefits	\$ 3,000,000	\$ 5,000		\$ 3,000,000	\$ 5,000		Difference	1.76%
Law Enforcement Liability			\$ -			\$ -	Premium	\$ 1,545
Other - Please Specify							Difference	6.96%
		Sub-Total	\$ 22,200		Sub-Total	\$ 23,745		
Automobile:								
Preferred							Vehicles	Vehicles
Auto Liability	\$ 3,000,000		\$ 7,694	\$ 3,000,000		\$ 8,426	39	39
Uninsured Motorist	\$ 30,000			\$ 30,000			Exposure	0
Comprehensive/Collision	Sym 10.8	\$ 1,000	\$ 9,500	Sym 10.8	\$ 1,000	\$ 9,763	Difference	0.00%
Hired Physical Damage	\$ 35,000	\$ 1,000		\$ 35,000	\$ 1,000		Premium	\$ 995
Medical Payments	\$ 2,500			\$ 2,500			Difference	5.79%
Other - Please Specify								
		Sub-Total	\$ 17,194		Sub-Total	\$ 18,189		

LINE OF COVERAGE	2018/2019			2019/2020			Changes in Exposures	
	LIMIT	DEDUCTIBLE/SIR	ANNUAL PREMIUM	LIMIT	DEDUCTIBLE/SIR	ANNUAL PREMIUM	2018/2019	2019/2020
Workers' Compensation:							Payroll	Payroll
Preferred	18/19 Payroll: \$5,029,112			19/20 Payroll: \$5,117,521			\$5,029,112	\$5,117,521
	Experience Mod: 1.10			Experience Mod: 1.13			Exposure	\$ 88,409.0
Workers' Compensation	Statutory	\$ -	\$ 95,525	Statutory	\$ -	\$ 80,338	Difference	1.76%
Employers Liability	\$1m/\$1m/\$1m	\$ -	Included	\$1m/\$1m/\$1m	\$ -	Included	Premium	\$ (15,187)
		Sub-Total	\$ 95,525		Sub-Total	\$ 80,338	Difference	-15.90%
Fiduciary Liability	5/1/16 - 5/1/19			5/1/19 - 5/1/22				
Travelers	3 year policy annual installment			3 year policy annual installment				
Fiduciary Liability	\$ 2,000,000	\$ 5,000	\$ 3,161	\$ 2,000,000	\$ 5,000	\$ 3,420	Premium	\$ 259
		Sub-Total	\$ 3,161		Sub-Total	\$ 3,420	Difference	8.19%
TOTAL PREMIUM	\$ 396,628			\$ 403,267			Difference	1.67%

OPTIONS:

Property deductible - \$25k - **\$263,083**

Demolition, Ordinance, ICC - \$3M limit - **\$3,500 AP**

Inland Marine - Rented, Borrowed & Leased - \$150k - **\$486 AP**

Auto Liability Deductible - \$5k - **\$7,694**

Auto Physical Damage Deductible - \$5k - **\$5,451**

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: GOVERNING BOARD
FROM: GORDON BOGGIE, Board Secretary & Busch Wildlife Sanctuary Liaison
DATE: APRIL 4, 2019
SUBJECT: LRD REIMBURSEMENT TO BWS FOR NEW ALLIGATOR EXHIBIT
RE: Loxahatchee River District Board meetings of 21 Feb 2019 & 21 March 2019 & BWS License Agreement

At the LRD Board meeting of 21 February 2019, for aesthetic reasons, the LRD Board requested Busch Wildlife Sanctuary (BWS) investigate options other than chain link fence for portions of the proposed Alligator/Crocodile exhibit. At the 21 March LRD Board meeting, BWS presented an option using "Zoo Mesh" for a portion of containment under question. The only available quote from one vendor indicated a cost change of \$31,000 for zoo mesh instead of the original configuration.

As this is essentially a directed change from LRD that goes over and above BWS responsibilities in the referenced license agreement, I believe LRD should reimburse BWS for the additional cost.

There is precedence for this type of reimbursement when in 11 August 2011 the LRD-BWS Restated License Agreement stipulated that "The District agrees to reimburse up to \$50,000.00 to assist Busch in obtaining or constructing an alternate structure to house the Welcome Center including site plan, plumbing, electrical, construction of a new entrance, or any other associated expense to the external area of the Welcome Center." The referenced "alternate structure" incorporated aesthetic changes the LRD board wanted.

The following motion is offered for consideration:

"That the District Governing Board authorize reimbursement to BWS in the amount not to exceed \$31,000 for actual cost increase spent for LRD directed changes to the proposed Alligator/Crocodile exhibit. Payment to be made within 30 days of completed exhibit."

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: GOVERNING BOARD
FROM: D. ALBREY ARRINGTON, Ph.D. 
DATE: APRIL 16, 2019
SUBJECT: LRD RULE CHAPTER 31-14 STORMWATER MANAGEMENT

As part of our ongoing review of our Rules, I have conducted a systematic and thorough review of LRD Chapter 31-14, Stormwater Management Rule. I have personally reviewed nearly all our old Board Notebooks and Board Minutes from relevant meetings and let me tell you this has been interesting. Through the course of my research into the matter, I have come to the following conclusions:

1. LRD Governing Board never approved LRD Rule Chapter 31-14, Stormwater Management.
2. LRD Governing Board officially withdrew LRD Rule Chapter 31-14, Stormwater Management from consideration on December 19, 1991.
3. Between 1991 and 1993 the draft Stormwater Management Rule was revised and emerged as LRD Chapter 31-16, River Enhancement Rule.
4. LRD Governing Board approved LRD Chapter 31-16, River Enhancement Rule on January 20, 1994. This rule withstood legal challenge at the Administrative Hearing level and at the 4th District Court of Appeals.

It is impossible for me to explain how Chapter 31-14, a Rule that was never officially approved by the LRD Governing Board, was listed as one of our active rules. On the following pages, I have provided excerpts from Board Notebooks, Workshops, legal reports, and Board Meeting Minutes. Hopefully, you will take a few minutes to review these as they provide an interesting historical context to the work we do (and don't do).

I propose removing LRD Rule Chapter 31-14 Stormwater Management from our official list of LRD Rules (e.g., <https://loxahatcheeriver.org/governance/rules/>). I do not believe I need official Board approval to do this, because it appears the LRD Governing Board never approved the draft rule. Moreover, the LRD Governing Board took specific action to withdraw the draft rule from consideration.

In the coming months, LRD staff will conduct a thorough review of LRD Chapter 31-16, River Enhancement Rule, and bring that rule to you for review and consideration. I expect to have this on your June agenda.

I consulted with Mr. Shenkman, who indicated he materially participated as LRD General Counsel in all event listed from 1991 through 1996, and he finds the summary of relevant excerpts to most accurately reflect the history as to Rule 31-14 evolving into Rule 31-16.

Thank you for your attention to this matter. If you have any questions, please give me a call so we can discuss.

Relevant Excerpts of LRD Minutes and associated documents regarding Chapter 31-14

04/17/1991 LRD Governing Board passed Resolution #91-1 stipulating “that the Loxahatchee River Environmental Control District shall actively carry out its powers and duties with regard to storm drainage and storm water management under the Loxahatchee River Environmental Control Act.”

06/19/1991 LRD Governing Board unanimously approved a motion to “authorize the Executive Director and Legal Counsel to advertise proposed Rule for Chapter 31-14 entitled Stormwater Management.”

08/21/1991 LRD Governing Board approved a motion to “postpone action on Chapter 31-14, Stormwater Management Rule, for a minimum of 120 days, and the District also continue with the engineering study and the advisory committee.”

11/21/1991 LRD Governing Board unanimously approved a motion that “instructs legal counsel and staff to incorporate changes as advised by the Advisory Committee and to schedule another Public Hearing on the Stormwater Rule for March 12, 1992, and to not consider the proposed Stormwater Rule until its special meeting agenda for March 12, 1992.”

12/19/1991 Public Hearing to receive comments pertaining to Rule 31-14, Stormwater Management – elected and/or employee representatives of Martin County, North Palm Beach County Water Control District, Town of Jupiter, South Indian River Water Control District, and Palm Beach Country Estates Landowners Association all appeared and spoke against Rule 31-14 suggesting the rule infringed on the rights of other governments, was duplicative, and/or inefficient. Martin County Commissioner Maggie Hurchalla stated that if ENCON (LRD) wants to help the River, Martin County would like ENCON’s role to be that of monitoring and establishing water (*quality*) standards. The minutes also include the following notable point “Dr. Rostock received assurances from Commissioner Hurchalla of Martin County, Mr. Rice of SIRWCD, Mr. Chillingworth and Mr. Pimentel of NPBCWCD that if the Rule (*31-14, Stormwater*) is withdrawn, then ENCON does have a role in stormwater and that they will work with ENCON on establishing that role.”

12/19/1991 LRD Governing Board unanimously approved the following motion “THAT THE STORMWATER ADVISORY COMMITTEE requests that the Governing Board of the Loxahatchee River Environmental Control District will withdraw Rule 31-14 as currently proposed. Further that the committee believes a role for the Loxahatchee River Environmental Control District in the management of Stormwater within the Loxahatchee River Basin does exist and the Committee will work to further define that role and assist in the development of a new Rule for consideration by the District.” Subsequently the minutes record “Following these discussions the question was called regarding the motion and the vote was unanimous to withdraw Rule 31-14.”

01/16/1992 Legal Counsel’s Report – “Mr. Shenkman stated the Rule for Stormwater (31-14) has been officially withdrawn and that in the withdrawal we did note that it is without prejudice to our being in Stormwater.”

03/12/1992 Stormwater Management update

Hazen & Sawyer completed the feasibility study and was prepared to draft a work plan.

Advisory Committee recommended Rule 31-14 be permanently withdrawn. Further recommended the LRD take an active role as ‘facilitator and planner’ regarding stormwater in the Loxahatchee River watershed including establishing specific, numerical water quality criteria for the watershed.

04/16/1992 LRD Governing Board authorized “Executive Director to proceed with the ‘Two Year Stormwater Management Program’” ... and designated \$220,000 in FY1992 for the program.

09/17/1992 LRD Governing Board created the Citizens Advisory Committee for Stormwater with the following participants William Boorse, Gary Kahn, Craig Phillips, Jan Johnson, Harry Starr, Julie Silk-Beaumont, Frank Ciavarella, and Will Fleurant.

04/01/1993 At a joint meeting of LRD Governing Board and Jupiter Town Council, LRD Chairman George Gentile stated that LRD sees our “role in stormwater to be primarily in the O&M (*operations and maintenance*) area. Chairman Gentile asked for the support of the Town of Jupiter so that we can assist in cleaning out the local (*stormwater*) systems.”

05/20/1993 LRD Governing Board unanimously approved the following motion: “THAT THE GOVERNING BOARD reaffirms its Charter and the initiative to implement a pollution prevention program which deals with stormwater on a community wide basis and in cooperation with all local governments.”

06/17/1993 LRD Governing Board unanimously approved a motion authorizing “the Executive Director to spend up to \$20,000 for Consultant Services necessary for development of the Stormwater/Pollution Prevention ordinance.”

07/15/1993 LRD Board Meeting agenda includes New Business item 8E. Discussion of Chapter 31-16 – Pollution Prevention. Information provided under this tab included a letter from Mr. Shenkman, dated 07/09/1993, to LRD Governing Board identified “LRECD - Pollution Prevention Program” as Chapter 31-16. This is the first occurrence of 31-16 I can find in Board Notebook or Board Minutes. Also, a memo from Hazen and Sawyer to Clint Yerkes identified the items that would be appropriate for inclusion in such a rule.

08/12/1993 Clint Yerkes’ memo to the LRD Governing Board explained that LRD staff were busy documenting the as built condition of stormwater structures and cleaning catch basins that were deemed in need of cleaning due to excessive sediment buildup. Following Clint’s letter was a draft outline of the proposed Pollution Prevention Rule (31-16).

09/10/1993 LRD Governing Board reviewed a draft of LRD Chapter 31-16 Pollution Prevention Rule, which was provided in the Board Notebook, with input from Rick Dent, Clint Yerkes, and Curt Shenkman.

10/21/1993 LRD Governing Board Agenda and Notebook included a revised draft of Chapter 31-16, which was significantly revamped and re-titled to “Chapter 31-16, River Enhancement Rule”. At this meeting, LRD Governing Board unanimously approved a motion instructing “staff to provide the Preliminary Draft of Chapter 31-16, the River Enhancement Rule to interested parties and sister governments, and seek their input prior to commencing the formal rule enactment procedures.” Fifty copies of the draft rule were mailed out on 11/05/1993, and a public workshop discussing the draft rule occurred on 12/02/1993.

01/20/1994 LRD conducted a Public Hearing on Chapter 31-16, River Enhancement Rule. At this public hearing, Northern Palm Beach County Water Control District stated they had filed a petition to challenge the Rule. Then, at the subsequent Board Meeting that same night, the LRD Governing Board approved the following motion “THAT THE GOVERNING BOARD of the Loxahatchee River District approve, adopt, and authorize Chapter 31-16 F.A.C. entitled River Enhancement.”

02/09/1994 South Indian River Water Control District, Northern Palm Beach County Water Control District, and Palm Beach County filed petition for formal administrative determination of invalidity of proposed Rule Chapter 31-16.

08/31/1994 Michael M. Parrish, Hearing Officer, Division of Administrative Hearings issued a Final Order stating “That all of the petitions in these three consolidated cases are hereby dismissed and all relief requested in those petitions is hereby denied.”

12/15/1994 4th District Court of Appeals ruled in LRD’s favor regarding Northern Palm Beach County Water Control District’s challenge of LRD Rule Chapter 31-16; thus, Chapter 31-16 went into effect in January 1995.

07/21/1994 LRD Board meeting minutes indicated a survey of residents, commercial properties, and HOAs indicated their interest in having LRD inspect their stormwater facilities.

03/02/1995 LRD Governing Board confirms at a public workshop that Chapter 31-16, River Enhancement Rule reads the way the Board intended.

11/21/1996 LRD Governing Board expressed a consensus position that “staff should continue planning for the District to assume the roles of facilitator, regulatory support, and operation and maintenance support for Stormwater Management.”

Subsequent to this date, the majority of the District’s attention turned to neighborhood sewerage.

LOXAHATCHEE RIVER DISTRICT

Neighborhood Sewering Schedule



Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
10	Turtle Creek Subsystem 3	5	Notified Owners – September 2012 Notice of Intent – December 2016 Notified to Connect – April 2018 Waiting to close out contract	2016	2017
10	Turtle Creek Subsystem 2	28	Notified Owners – September 2012 Notice of Intent – October 2016 Notified to Connect – April 2018 Waiting to close out contract	2016	2017
14	Whispering Trails	181	Notified Owners – January 2013 Notice of Intent – November 2016 Construction Started October 2018	2017	2017
16	Limestone Creek Road-West	71	Notified Owners – January 2013	2018	2020
16	181 st St N Gravity	11	Notified Owners – January 2013 Notice of Intent to Assess – October 2018	2018	2018
20	New Palm Beach Heights	35	Notified Owners – January 2016 Notice of Intent to Assess – October 2018 Resident meeting – October 2018	2019	2019
22	Bridgewater	70	In discussions with developer/engineer	2019	2019
11	Jupiter Farms (East)	708		TBD	TBD
11	PB Country Estates	1547		TBD	TBD

* Rank based upon "2010 Septic System Inventory & Assessment"

TBD = To be determined

Remnant Areas

Rank*	Area Description	Lots	Activity	Original Target Date	Revised Target Start Date
C	FDOT Turnpike Station <i>(institutional)</i>	3 ECs	Notified to Connect – February 2016 Variance requested – May 2016	2012	2020
H	Olympus Dr, Juno (LP)	2	Notified Owners – June 2013 Prelim. Design started – August 2017 Survey - 2018	2016	2018
	18870+18890 SE Country Club Dr, Cove Pt	3	Notified Owner – April + Aug 2017 Design started – August 2017	2018	2019
	US Highway 1 (13440-13500)	3	Notified Owners – August 2017	2019	2019
	Admiral's Cove West Guard House	1	Communicated with Engineer - July 2016	2019	2019
	280 Celestial Way	1	Gravity line connection availability found - November 2018 Notified to Connect – November 2018	2019	2019
	17211 Bush Rd	1	Gravity line connection availability found - December 2018 Notified to Connect – December 2018	2019	2019
	Thelma Ave. LPSS	4	Notified Owners – September 2017	2020	2020
	197 th Pl N	3	Notified Owners – April 2019		2020

Private Road Areas – Page 2

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
AA	Peninsular Road	5	Private Road Notice of Intent – February 2010 Partial construction complete - June 2013 Soliciting easements for remainder of project	2010	AEO
BB	Rivers Edge Road (Martin Co.)	35	Notified Owners – August 2010 Private Road-Easements Solicited –May 2014 Notice of Intent – February 2014 Project Delayed	2013	AEO
CC	171 st Street (Martin Co.)	7	Private Road - In House Design Owners notified October 2012 Easement rec'd from Church – April 2017 Grant received	2014	AEO
CC	Jamaica Dr	11	Private Road Owners notified Oct 2012 In House Design started	2014	AEO
CC	66 th Terr+Way	19	Notified Owners – Aug 2010 *Private Roads Notice of Intent to Assess – February 2015	2014	AEO
D	Loggerhead Park <i>(institutional)</i>	6 ECs	Need Easements from Palm Beach County	2014	2017
DD	Taylor Road	38	Notified Owners – September 2011 Private Roads	2015	AEO
EE	Imperial Woods LPSS	47	Notified Owners – October 2010 Withdrew Notification – Feb 2011 Easements Obtained – Aug 2017 + June 2018 Notice of Intent to Assess – September 2017 Grant Authorized Construction Award – February 2019	2016	2018
EE	Hobart St SE (Martin Co.)	13	Notified Owners – October 2012 Private Road	2016	AEO
FF	Rolling Hills	51	Notified Owners – January 2013 Private HOA	2017	AEO
FF	Gardiner Lane	2	Notified Owners – July 2013 Private Road	2017	2019
FF	North A1A	3	Postponed-Town activities in area	2012	AEO
GG	815 S US 1 (Yum Yum Tree)	9 ecs	Notified Owner – November 2014	2016	AEO
GG	Rockinghorse <i>(north of Roebuck Road)</i>	10	Notified Owners – January 2013	2018	AEO
GG	Island Country Estates	47	Notified Owners – January 2013 Private HOA-Received Easement – Feb. 2018 Notice of Intent – July 2018 Engineering Award – September 2018	2018	2019
HH	Harbor Rd. S. LPSS	6	Notified Owners – January 2014 Private Road	2017	AEO
HH	SE Indian Hills	12	Notified Owners – January 2016 Easement for Road & Utilities, No Dedication	2019	AEO
19	US Coast Guard Station Offices <i>(institutional)</i> PX Commercial <i>(commercial)</i>	2 ECs 2 ECs	US Government - private roads Albrey- mtg. w/BLM & Historical 3-2011 Prelim design prepared In House 4-2011 Working with Jupiter to obtain easement	2019	2020

* Rank based upon "2010 Septic System Inventory & Assessment"

TBD = To be determined

AEO = As easements are obtained

TIMOTHY W. GASKILL*
*Business, Probate
Family Litigation*

DONALD R. SMITH +*
*Personal Injury & Wrongful Death
And Civil, Business & Real Estate
Litigation*

CURTIS L. SHENKMAN
*Board Certified
Real Estate Attorney*

BROOKE GROGAN*
Personal Injury & Litigation

BRANDON D. SMITH
Personal Injury & Litigation

+ *Member of the Florida Justice Assoc.
and the Palm Beach Co. Justice Assoc.

*Members of the U. S. Federal Court -
Southern District, Florida

SMITH, GASKILL & SHENKMAN, P.A.

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April 16, 2019

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MINDY VASSER

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INJURY/COMMERCIAL**

BETH KOENIG, PARALEGAL
KAREN M.B. LOPATOSKY
Senior Litigation Paralegal

REAL ESTATE
JUDY D. MONTEIRO
DENISE B. PAOLUCCI
MELISSA KAJEEJIT

Loxahatchee River Environmental Control District
D. Albrey Arrington, Exec. Dir. and Board Members (sent by email to DHenderson)
2500 Jupiter Park Drive
Jupiter, FL 33458

RE: PENDING LITIGATION STATUS REPORT

Dear Dr. Arrington and Board Members:

We are enclosing herewith a brief status report relating to the litigation in which the Loxahatchee River Environmental Control District is involved with our law firm as the attorney of record. This status report updates the last monthly status report previously submitted and consists of a summary of the record proceedings which have occurred in each of the pending cases since last month.

There are no analyses of the pending cases included, as the inclusion of such items might constitute a waiver of any attorney/client privilege that exists between our firm and the District. Therefore, if you would like to discuss the particulars of any specific case in more detail or would like to obtain more information concerning the strategy, status, or settlement posture of any of the individual cases, please feel free to contact me.

As always, we are available at any time to discuss any of these lawsuits with each individual Board Member by telephone or by conference, if there are any questions.

Respectfully submitted,

CURTIS L. SHENKMAN

CURTIS L. SHENKMAN

Attachments

cc: Timothy W. Gaskill, Esquire
Karen Boyden, paralegal

OTHER LITIGATION

ACTION: In Re Estate of Israel Marquez et al ...Loxahatchee River Envir Control District
Owner: Estate of Israel Marquez **Property:** 911 Hawie St.
Case No. 50-2010-CP-004006XXXXSBIY

TYPE OF ACTION: Mortgage Foreclosure by Lender, LRD named for its (possible) lien interest –

COMMENCEMENT: Service of Summons/Petition

COMMENTS: Action foreclosing mortgage– LRD named for lien interest

STATUS: Pending

11/24/14	District served with Petition re Homestead and Real Property as Estate Asset; Filed Answer and Affirmative Defenses; Hearing to be held
12/10/14-1/6/15	No change in status
2/3/15	No change in status
3/6/15-5/11/15	No change in status; monitoring probate action; monitoring for activity;
6/8/15-7/9/15	No change in status
8/7/15 – 10/12/15	No change in status, continuing to monitor probate
11/10/15	There is a pending Motion to sell real estate set for hearing in December, continue to monitor
12/7/15	No change in status
1/18/16 – 7/7/16	Last Activity in Court Docket 12/17/14 requiring a paternity test; continue to monitor ; No change in status
8/8/16 – 10/13/16	No change in status
11/9/16-12/14/16	No change in status –probate proceedings continuing
1/10/17 – 9/20/17	No change in status – Probate proceedings continuing –no activity since 11/15/16 on docket
10/6/17-12/6/17	No change in status – Probate proceedings continuing –no activity since 11/15/16 on docket
1/8/18	No change in status - Probate proceedings continuing –no activity since 11/15/16 on docket
2/5/18	No change in status - Probate proceedings continuing –no activity since 11/15/16 on docket
3/5/18 – 4/2/18	Only new filings in March were Petition to determine Paternity and Petition to Sell Property and delay Tax Deed Sale
5/10/18	No change in status
6/10/18-7/10/18	Probate still ongoing; Hearing on Per. Rep’s Petition to Delay Tax Deed Sale scheduled for 7/12/18; no other change in status
8/7/18	Hearing on Sale of Property held and Order entered authorizing sale; to monitor re sale and estoppel for any outstanding charges to LRD

9/7/18- 1/18/19	No sale reflected in public records to date, continue to monitor; Order entered in Probate declaring property to be homestead property
1/19/19- 4/16/19	No change in status

LIEN FORECLOSURES

NONE

MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS

NONE

MEMORANDUM

TO: Albrey Arrington, Ph.D. / Loxahatchee River District

COPY: Kris Dean / Loxahatchee River District
Tony Campbell / Loxahatchee River District

FROM: Albert Muniz / Hazen and Sawyer

DATE: April 10, 2019

FILE: 42009-029.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through March 31, 2019

The following is a summary of work performed by Hazen and Sawyer (Hazen) on Loxahatchee River District (LRD) projects through the above referenced date.

General Operational Assistance – This project involves providing LRD with engineering assistance related to wastewater operations.

- In April, Hazen will be submitting task orders for an odor control study and an evaluation for upgrades to the return activated sludge (RAS) system. A Green Gas Emissions scope will be included in a separate task order for review by LRD staff.
- The WWTF continues to operate within permit conditions.
- LRD staff and Hazen personnel continue to communicate to discuss plant operations on an as needed basis

Deep Bed Sand Filters – Final Design and Construction Management Services –The following provides a summary of tasks that have occurred during the above reporting period:

- District staff, Hazen and the contractor have met to finalize a final project close-out change order. The final project close-out change order has been prepared and is currently under review by the Contractor.
- Warranty and release of liens have been negotiated and will be finalized along with the final project close-out change order.
- The filter sampling program to determine the effectiveness of removal of contaminants of emerging concern (CECs) and cryptosporidium/giardia filter sampling program is ongoing and is currently in the final month of the nine-month sampling program. Following completion, the data will be analyzed with results presented in a draft report for review and discussion with LRD staff.

Injection Well Operating Permit Renewal – The draft Injection Well Operating Permit Renewal application has been completed and is under internal review. A final draft was submitted to District for review in March

with comments incorporated into the final version. The permit was completed on March 30, 2019 with a copy and fee submitted to the Florida Department of Environmental Protection on April 1, 2019.

BioWin™ Process Model Development and Training – Hazen is prepared to submit a DRAFT deliverable technical memorandum and model to LRD in April. The model workshop and training event will be held with LRD staff on April 9 and 10, 2019.

As always, please feel free to contact us should you have any questions or need to discuss the progress of any of the above projects in more detail.



HOLTZ CONSULTING ENGINEERS, INC.

270 South Central Boulevard, Suite 207, Jupiter, FL 33458 (561) 575 2005

MEMORANDUM

To: Kris Dean, PE, Deputy Director/Director of Engineering, Loxahatchee River Environmental Control District

From: Christine Miranda, PE
Holtz Consulting Engineers, Inc.

Date: April 17, 2019

Subject: **Loxahatchee River Environmental Control District Monthly Status Report**

The following is a summary of work performed by Holtz Consulting Engineers, Inc. (HCE) on Loxahatchee River District projects through April 17, 2019. **Note: Any information that is historical or repeated from previous months are shown in italics. Otherwise, all information as shown below is newly reported information.**

Imperial Woods Low Pressure Sewer System

- *LRD staff is currently working with the Imperial Woods Homeowners Association, Inc. to negotiate and execute a Cost Sharing Agreement for the reimbursement of the roadway costs for the project. Upon execution of the agreement, the preconstruction meeting will be scheduled, and construction can commence.*

Island Country Estates Low Pressure Sewer System

- Comments on the 30% Submittal were received from LRD staff on April 1, 2019. We are currently working on the 90% design which will be submitted to LRD staff for review and comment on or before May 27, 2019.

Loxahatchee River Road Reclaimed Water Main Replacement and Force Main Extension

- All final work has been completed by the Contractor. HCE is currently working with Palm Beach County Engineering to close out the permit.

Turtle Creek –Subsystem 2& 3 – Gravity Sewers

- *All final paperwork is in hand with the exception of final approval from the Turtle Creek Property Owner's Association (POA) regarding a claim that there was damage to the hedge along Country Club Drive. On September 27, 2018 the Contractor provided written notice that they have filed a claim with their insurance company to handle the hedge issue. It is our understanding that both the Contractor and Turtle Creek HOA has obtained legal representation. HCE will close out the project as soon as the hedge issue has been satisfactorily resolved by all parties involved.*



Lift Station No. 082 Master Plan and Improvements

- Installation of the pressure recorders and drawdown tests needed for the calibration of the model have been completed. Upon receipt of the data from LRD, HCE will calibrate and complete the model. Upon completion of the calibration of the model, the selected scenarios will be inputted for analysis. Upon completion of the model the design for the new pumps and improvements can proceed. The survey work for the lift station site has been completed.



***Loxahatchee River Environmental Control District
Monthly Status Report
April, 17 2019***

Submitted To: Kris Dean, P.E, Deputy Executive Director/Director of Engineering

The following is a summary of work performed by Mathews Consulting (MC), a Baxter and Woodman Company, on District projects for the monthly period ending April 17, 2019.

Alternate A1A 16-Inch Force Main Extension

The Contractor completed the force main tie-ins along Florida Avenue and adjacent to the intersection of Alternate A1A and Riverside Drive. Contractor completed setup and installation of the two jack and bores (16-inch carrier/24-inch casing) north and south of the Alternate A1A bridge. Contractor is currently scheduled to commence with the installation of the segment of 16-inch HDPE force main to be installed, via the horizontal directional drilling method, south of the Alternate A1A bridge the week of April 15, 2019. MC applied for and received the FDEP Environmental Resource General Permit for the removal of existing mangrove vegetation south of the bridge. MC prepared and submitted the required General Permit application documents to the U.S. Army Corps of Engineers.

Master Lift Station No. 1 Rehabilitation

The following items were ongoing or completed during the last monthly period:

- Contractor completed setup, testing and implementation of the temporary bypass pumping system.
- Contractor completed critical shut-downs to tie-in to the existing 30-inch discharge force main.
- Contractor set the concrete structures for the effluent flow meter and bypass vault.
- Contractor continued installation of small and large yard piping.
- Contractor demolished dry-pit flanged piping, existing generator unit and louver as well as specific electrical equipment, conduit and cabling.
- Began installation of new ductile iron piping, valves and fittings within the dry-pit.
- Began setting and fit-up of replacement dry-pit pumps.

Contractor is scheduled to commence/complete the following tasks during the next monthly period:

- Wet well clean-out.
- Continue installation of small and large yard piping.
- Install generator fuel piping.
- Begin conduit, cabling and terminations for the proposed emergency generator unit.
- Installation of new process air piping to be routed to pneumatic operated pump discharge valves.



- Complete installation of replacement dry-pit pumps.
- Continue electrical system upgrades.

Whispering Trails Gravity Sewer System

Below is a summary of the ongoing construction activities for the project:

- Contractor completed installation of Gravity Sewer Lateral Services along Wood Lake Road west of Lift Station.
- Contractor completed installation of Gravity Sewer Mainline Pipe Installation along Red Gum Trail.
- Contractor completed installation of Gravity Sewer Mainline Pipe Installation along Red Maple Lane.
- Contractor completed installation of Gravity Sewer Mainline Pipe Installation along Wood Creek Court.
- Contractor began Installation of Stabilized Subgrade for Roadway Reconstruction along Wood Lake Road west of Lift Station.
- Contractor began Installation of Gravity Sewer Mainline Pipe Installation along Wood Lake Road east of Lift Station.
- FPL Released Materials to Contractor for installation of Power Service to Lift Station.

Jupiter Farms Elementary Sanitary Sewer System

Below is a summary of the ongoing activities for the project:

- The District finalized the agreement with the selected Contractor "Felix and Associates".
- MC is in the process of scheduling the pre-construction meeting with all parties.

Respectfully Submitted by:

MATHEWS CONSULTING,
A BAXTER & WOODMAN COMPANY

A handwritten signature in blue ink, appearing to read "J. Pugsley".

Jason A. Pugsley, P.E.
Vice President / Florida Operations Manager



Busch Wildlife Sanctuary

At Loxahatchee River District

Quarterly Dashboard - 1st Quarter 2019



	Education				Animal Care			Financial Operations			Gift Shop
	General Public Visitors	Visitors Attending Public Programs	In-reach / Out-reach Program Attendance	Education Net Income	Injured Animals Received/Treated	Animals Released	Average Donation per Animal Admitted	Membership Income	Grants/Major Donor Income	BWS Net Income	Net Income
Benchmark	# of People	# of People	# of People		#	%					
Green	> 9000	> 3500	> 5500	> \$24,000	< 100	>25%	≥ \$25.00/Animal	> \$25,000	> \$50,000	> \$100,000	> \$10,000
Yellow	≥ 6000	≥ 2000	≥ 4000	≥ \$15,000	≥ 100	<25%	< \$25.00/Animal	> \$10,000	> \$25,000	≥ \$0.00	≥ \$5,000
Red	< 6000	< 2000	< 4000	< \$15,000	>1000	<10%	< \$10.00/Animal	< \$10,000	< \$25,000	< \$0.00	< \$5,000
2017 Qtr Results											
1st Qtr	42,076	4,796	4,993		1,041		\$6.67				
2nd Qtr	29,051	3,190	6,724		1,947		\$7.94				
3rd Qtr	17,238	2,782	3,575		1,253		\$8.46				
4th Qtr	20,461	3,368	4,288		680		\$10.23				
2018 Qtr Results											
1st Qtr	37,052	5,263	5,852		943		\$7.98				
2nd Qtr	20,877	3,129	5,837		1,718		\$9.28				
3rd Qtr	17,031	3,375	3,971		1,205		\$8.79				
4th Qtr	20,999	2,876	4,402		781		\$9.05				
2019 Qtr Results											
1st Qtr	50,024	3,419	4,401		985		\$10.91				
2nd Qtr											
3rd Qtr											
4th Qtr											

1st Quarter Items:

Projects Completed: New Signage throughout Sanctuary, New Multi-Purpose Bird Exhibit

Projects In Progress: Walkway to Hospital, Mulching Pineland Nature Trail, Discovery Center Renovations: Phase 2, Songbird Enclosure, and Gator Swam Habitat

Future Projects: Roofing of Flight Cages, Wildlife Hospital Recuperation Enclosure, Outdoor Rehab and Recovery Enclosures

1st Quarter Special Events and Appearances:

Jupiter Courier, CBS Channel 12, Kamp Kenan, Palm Beach Post, Nocturnal Animal Night Walks, Environmental Scavenger Hunts, TC Palm, Lumianries Paper, Early Birds Nature Walks, Wildlife Photo Tour, Bobcat Birthday Party, Chilic's Give Back Night

Metric:

Explanation

Gift Shop: Majority of the purchasing for the giftshop is conducted during the 3rd and 4th Quarters of the year.

Animal Care: 2nd Quarter is "Baby Season". Always have more animals than usual.

Financial: Annual Fundraising occurs in December and many contributions are received in 1st Quarter of each year.

Director's Report

- ▶ Admin. & Fiscal Report attach. #1
- ▶ Engineering Report attach. #2
- ▶ Operations Report attach. #3
- ▶ Information Services Report attach. #4
- ▶ Environmental Education attach. #5
- ▶ Other Matters attach. #6

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458-8964

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org

D. Albrey Arrington, Ph.D., Executive Director



To: Governing Board
From: Kara Peterson, Director of Finance and Administration
Date: April 18, 2019
Subject: Monthly Financial Report

Cash and Investments

Balances as of March 31, 2019

Certificates of Deposit:

Institution	Original Term	Maturity	Rate	Book Value	Monthly Interest Earned	Market Value
TD Bank	5 Years	04/29/19	1.88%	\$ 1,500,000	\$ 2,623	\$ 1,645,346
Bank United	3 Months	06/11/19	2.43%	1,000,000	1,332	1,001,332
Bank United	10 Months	06/27/19	2.34%	1,500,000	3,017	1,520,896
US Bank	1 Year	07/30/19	2.45%	1,500,000	3,166	1,524,744
TD Bank	5 Years	09/22/19	2.09%	2,000,000	3,895	2,198,119
Bank United	18 Months	02/04/20	2.65%	1,000,000	1,385	1,003,999
Bank United	2 Years	04/02/20	2.46%	2,000,000	270	2,000,270
US Bank	18 Months	05/01/20	3.00%	1,507,875	3,877	1,525,476
Bank United	18 Months	06/07/20	2.88%	1,500,000	3,693	1,513,538
US Bank	2 Years	01/29/21	2.71%	1,011,450	2,333	1,015,886
Bank United	2 Years	03/11/21	2.60%	1,000,000	1,422	1,001,422
Subtotal				\$15,519,325	\$ 27,013	\$15,951,028

Money Market Accounts:

FL Community Bank - Public Demand	2.27%	\$ 23,047	\$ 12,083,471
TD Bank - NOW	2.29%	12,331	6,428,247
Subtotal		\$ 35,378	\$18,511,718

Checking Account:

SunTrust-Hybrid Business Account	0.50%	\$ 2,026	\$ 3,583,619
Subtotal		\$ 2,026	\$ 3,583,619

Total		\$ 64,417	\$38,046,365
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Average weighted rate of return on investments is: 2.18%

As of 3/31/19:

3 month Short Term Bond: 2.40%

1 month Federal Fund Rate: 2.50%

Cash position for March 2018 was \$30,590,419. Current Cash position is **up** by \$7,455,946.

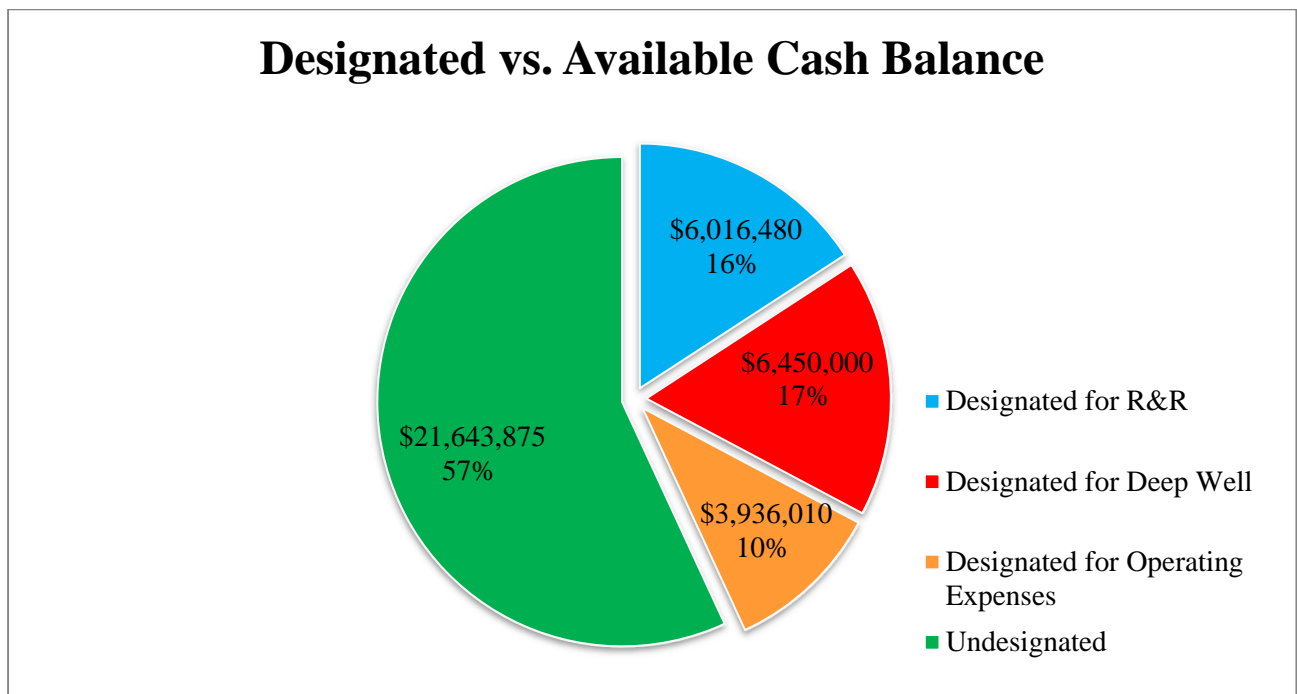
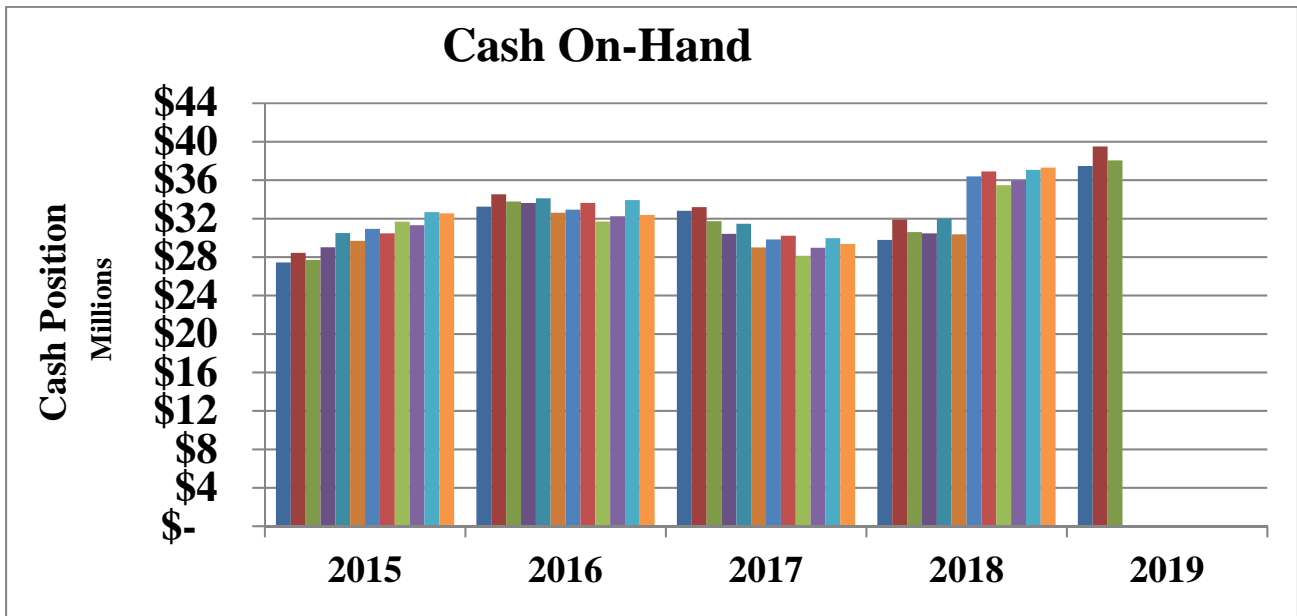
Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member



Financial Information

- Legal fees billed for the month of March totaled \$4,400. The fiscal year-to-date total is \$40,650.
- There was no Septage billing for the month of March.
- Developer's Agreement – No new Developer agreements were entered into in March.
- I.Q. Water Agreements – Abacoa Plaza and Osceola Woods are past due for February and March; Sonoma Isles and Sophia are past due for March.
- Estoppel fees collected in February totaled \$8,325. The fiscal year-to-date total is \$42,275.

Summary of Budget vs. Actual

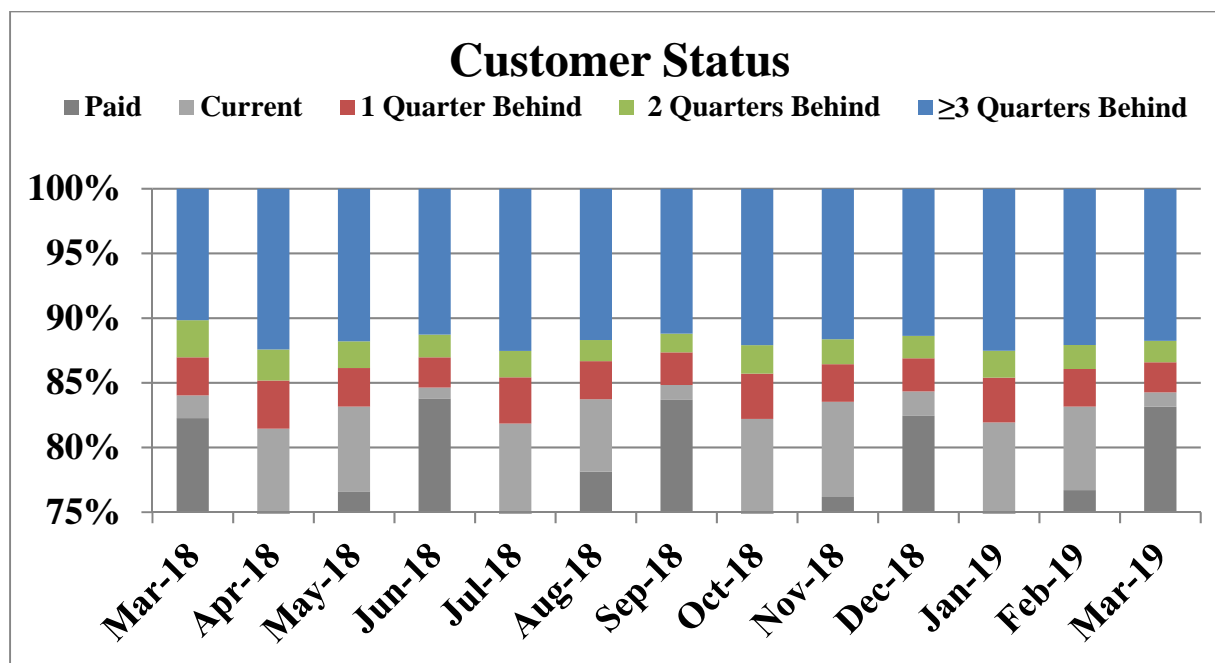
<i>Budget Benchmark</i> 50.00%	Mar-19 Actual	YTD Actual	FY 19 Budget	Favorable (Unfavorable)	Budget Expended	Mar-18 YTD
Revenues						
<i>Operating Revenues</i>						
Regional Sewer Service	\$1,397,638	\$8,365,190	\$ 17,067,530	\$ (8,702,340)	49.01%	\$8,355,410
Standby Sewer Service	7,561	48,850	157,550	(108,700)	31.01%	70,033
IQ Water Charges	194,057	1,184,550	2,264,000	(1,079,450)	52.32%	1,153,973
Admin. and Engineering Fees	1,860	30,821	48,865	(18,044)	63.07%	62,335
Other Revenue	22,191	195,463	183,000	12,463	106.81%	223,764
<i>Subtotal Operating Revenues</i>	1,623,307	9,824,874	19,720,945	(9,896,071)	49.82%	9,865,515
<i>Capital Revenues</i>						
Assessments	77,190	848,980	824,000	24,980	103.03%	78,378
Line Charges	8,857	150,073	232,575	(82,502)	64.53%	349,892
Plant Charges	39,460	300,420	1,402,600	(1,102,180)	21.42%	925,084
Capital Contributions			917,000	(917,000)	0.00%	467,434
<i>Subtotal Capital Revenues</i>	125,507	1,299,473	3,376,175	(2,076,702)	38.49%	1,820,788
<i>Other Revenues</i>						
Grants	1,311	22,946		22,946	100.00%	9,300
Interest Income	82,977	928,011	1,217,500	(289,489)	76.22%	177,565
<i>Subtotal Other Revenues</i>	84,288	950,957	1,217,500	(266,543)	78.11%	186,865
Total Revenues	\$ 1,833,102	\$12,075,304	\$ 24,314,620	\$ (12,239,316)	49.66%	\$ 11,873,168
Expenses						
Salaries and Wages	\$577,385	\$2,450,669	\$ 5,687,700	\$ 3,237,031	43.09%	\$2,363,075
Payroll Taxes	44,364	182,606	416,500	233,894	43.84%	177,027
Retirement Contributions	61,474	362,081	710,900	348,819	50.93%	372,222
Employee Health Insurance	94,986	544,068	1,339,800	795,732	40.61%	576,634
Workers Compensation Insurance	7,960	47,762	114,600	66,838	41.68%	39,410
General Insurance	26,084	176,139	346,716	170,577	50.80%	185,486
Supplies and Expenses	58,362	427,484	1,138,160	710,676	37.56%	461,357
Utilities	111,866	635,445	1,409,350	773,905	45.09%	610,669
Chemicals	75,358	310,531	672,570	362,039	46.17%	311,423
Repairs and Maintenance	95,562	891,965	1,830,615	938,650	48.72%	765,612
Outside Services	142,949	877,228	1,852,110	974,882	47.36%	862,150
Contingency			225,000	225,000	0.00%	
<i>Subtotal Operating Expenses</i>	1,296,350	6,905,978	15,744,021	8,838,043	43.86%	6,725,065
<i>Capital</i>						
Capital Improvements	661,404	2,624,327	11,088,500	8,464,173	23.67%	2,635,773
Renewal and Replacement	375,832	1,836,099	7,278,500	5,442,401	25.23%	1,412,630
Contingency			225,000	225,000	0.00%	40,495
<i>Subtotal Capital</i>	1,037,236	4,460,426	18,592,000	14,131,574	23.99%	4,088,898
Total Expenses	\$ 2,333,586	\$11,366,404	\$ 34,336,021	\$ 22,969,617	33.10%	\$ 10,813,963
Excess Revenues						
Over (Under) Expenses	\$ (500,484)	\$ 708,900	\$ (10,021,401)	\$ 10,730,301		\$ 1,059,205

Pending/Threatened Litigation

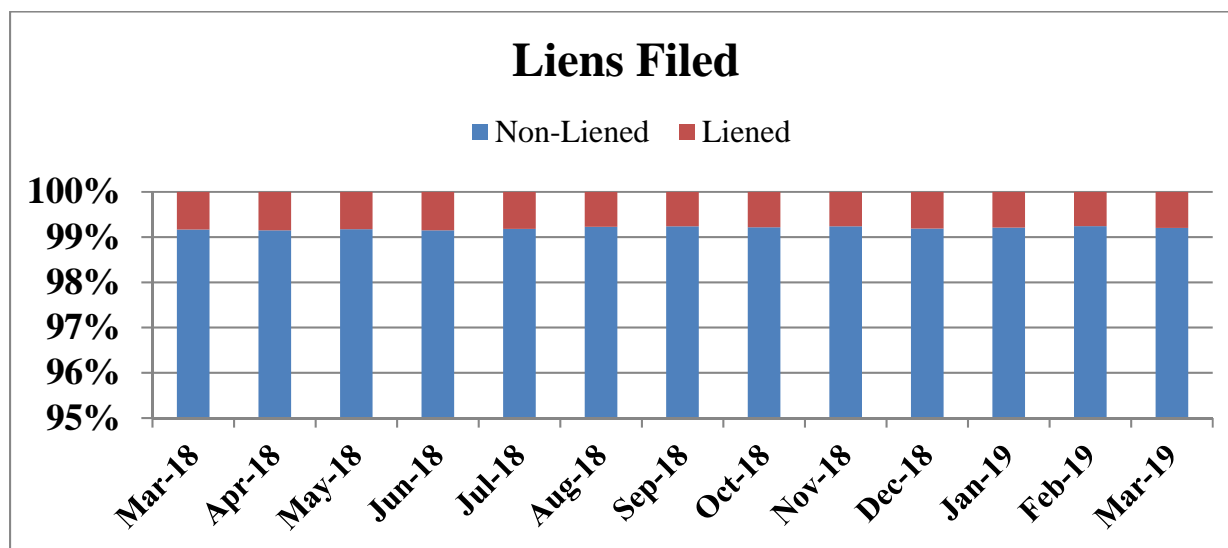
- Turtle Creek Substation 2 & 3 – Currently being handled through the District's General Liability Insurance provider, PRIA. PRIA has assigned the firm of Kelley Kronenberg to represent the District.

Accounts Receivable

The chart below illustrates customers' receivable status as a percentage of quarterly sewer billing. Paid or current balances represent approximately 84% billing.



The District serves approximately 32,000 customers. Currently, the District has 260 liens filed which represent approximately 1% of our customers.



Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: D. Albrey Arrington, Ph.D.
Executive Director

FROM: Kris Dean, P.E.
Deputy Executive Director/Director of Engineering Services

DATE: April 17, 2019

SUBJECT: Engineering Services Report - April 2019 Board Meeting

PROJECT HIGHLIGHTS



Alternate A1A 16" Force Main Extension

On March 23 through 24 the connections on the south side tie-in and north side deflection to the existing force main river crossing were completed. The image at left shows the north deflection during the early hours of the operation. To facilitate the work the District had to shut down the single force main serving North Jupiter, the Village of Tequesta and areas of unincorporated southern Martin County. Due to this shutdown requirement there was only a window of time from 11pm Saturday night to 6 am Sunday morning that would allow us to manage the flows from this area with tanker trucks from outside vendors. District Staff successfully coordinated the system shutdown and the various vendors transporting wastewater. The Collection team's system knowledge and teamwork required to accomplish this showed at every level from the beginning planning to that night's execution. We were very proud of their efforts and success. Unfortunately, our Collection Team's success aside, the contractor damaged the lined pit at the rear of the excavation shown at left resulting in an SSO estimated at 790 gallons. This is discussed in more detail at the end of the report.

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

James D. Snyder
Chairman

Dr. Matt H. Rostock
Board Member

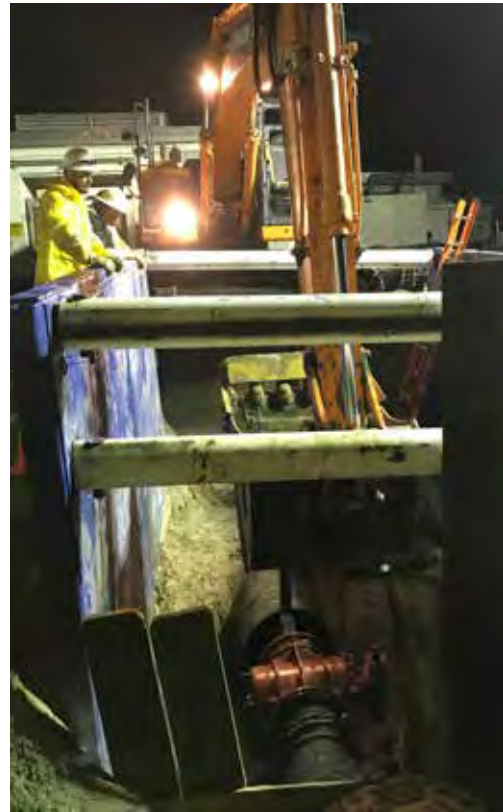
Harvey M. Silverman
Board Member

Master Lift Station No. 1 Rehabilitation

On March 19 through 20 the Master Lift Station was officially taken offline and placed on bypass. This required a partial system shutdown and rerouting of flows to relieve some repump requirements of the Master Lift Station. The image at right shows the new isolation valve being installed downstream of the station. This valve will serve as the main isolation valve for the Master Lift Station and allow the station to be taken offline in the future for maintenance without requiring a system shutdown, only bypass pumping in the influent pit.

This shutdown and bypass, similar to the shutdown for the Alternate A1A 16" Force Main, required considerable system knowledge and teamwork to facilitate. It also made use of some other projects we have recently worked on, specifically Lift Station 114 Rehabilitation. As part of the rerouting, Collections was able to send all flows east of the Intracoastal, from Jupiter Inlet to Juno through the newly rehabilitated station and to the plant via the "southern" route through the booster pump station, Lift Station 200.

Unfortunately, also similar to Alternate A1A 16" Force Main, the project experienced an SSO estimated at 50 gallons. Details are included at the end of the report.



ENGINEERING IN-HOUSE PROJECTS



Lift Station Fall Protection: After evaluating nets, hand rails and grates staff have agreed a retro-fitted safety grate is the preferred approach to providing fall protection at lift stations. Staff have modified the quarterly PM inspection at all 222 lift stations to include verifying whether a safety grate is installed and if not, measuring the opening to determine the appropriate size grates. The intent moving forward is to collect data on our system, then bid and award a contract to have the fall protection installed at all lift stations. In parallel with this work staff have selected a short term, temporary solution to implement immediately. This temporary solution uses a visual deterrent bringing attention to the open hatches. These visual deterrents, shown left, will be portable and placed around the hatch when staff are onsite and the hatch is open.

Lift Station Rehabilitations General Construction Services: Staff are working with the contractor on scope and pricing for rehabilitation of 4 lift stations. We hope to have these underway by the end of May and completed FY19.

Cellular Telemetry: IT and Engineering staff are working on a project to test cellular telemetry installation at existing stations with no telemetry. The third alternate option is online and staff will begin working on the procurement process once the viability of the options is determined. It is anticipated that we will select up to three suppliers to source telemetry units through a competitive bid process.

181st Street Gravity Sewer System: This project will serve 11 lots located just off Limestone Creek Rd. The

new system will tie into an existing gravity system in Limestone Creek Rd. Design is complete. Permitting is still in process. Bidding has been pushed to May 2019.

New Palm Beach Heights Low Pressure Sewer System: This project will serve 36 lots located just off US 1 south of Donald Ross Rd. The new system will tie into an existing gravity system serving the commercial property to the north. See Tab 5C.

Olympus Drive Force Main Replacement: This project is part of our asbestos cement (AC) force main replacement program and will replace approximately 2,000 feet of AC force main in Juno Beach. Soft digs were completed but results were not conclusive. Staff are investigating further with GPR and potholing as required. This project has been significantly delayed from the original schedule but the importance of the utility locates given the nature of the proposed directional bore installation warrants the delay.

LS 43 Emergency Generator: A project to provide a permanent emergency standby generator at LS 43. This station is part of the cascading lift station system along Country Club Drive in Tequesta. Plans are complete. Bidding documents are under review prior to advertising. We anticipate bringing this project to the May Board with a Recommendation of Award.

LS 62 Emergency Generator: A project to provide a permanent emergency standby generator at LS 62. This station is a significant repump station serving areas Tequesta and Jupiter Island. Plans are complete. Bidding documents are under review prior to advertising. We anticipate bringing this project to the May Board with a Recommendation of Award.

Lift Station 57 and 58 Tie-in to Transmission System: Both cascading stations will be connected to an adjacent transmission force main relieving significant flow to the repump station. Final design and permitting are scheduled for March with construction following in May.

LS065: Lateral lining following the main lining performed in summer 2018 is scheduled for this year. The lateral liner contractor has mobilized. We anticipate work being complete by May.

Lift Station 70 Emergency Generator and Power/Control Panel: This project provides a permanent emergency generator at lift station 70 and a new power and control panel including variable speed pump drives. In an effort to expedite the panel and complete this work with the emergency generator, staff included the panel as a design/build specification, with specific component and performance requirements, in the emergency standby generator project. The contractor has begun site work and staff have completed the first review of the variable speed power and control panel. The project is scheduled to complete by June 1, 2019.

Radio Telemetry System: Awarded at the February Board, this work is scheduled to commence this month.

Lift Station 114 Rehabilitation: All work is complete and the station is online. We are working with the contractor on closeout documentation.

Penn Park: A PBC neighborhood repaving project. Paving has been postponed to allow the District to inspect their gravity system and perform any improvements prior to paving. The Board awarded a piggy back contract to perform this work contingent on an extension to the piggy back contract being issued by Manatee County.

Jupiter Ocean Racquet Club Force Main Replacement Ph 2: The contractor has mobilized and is using the wire line tracking system for steering and locating the directional drill installation. The wire line tracking and steering will increase the directional drill placement accuracy and also provide detailed location information as part of the project record drawings. One drill is complete, with the second underway. Staff anticipate the drill installations completing by the middle of April and the force main going into service in May.

CONSTRUCTION DEPARTMENT



Construction crews work to replace a 6" double service on Olympus Way off US 1. The image at left shows a slit trench excavated using construction's vacuum truck and Construction working safely and diligently in the hole.



Over the last few months more than one sewer overflow has been caused by vehicle or equipment traffic running over our infrastructure in the right of way. The image at left shows the District's current standard concrete collar installed around at grade valve boxes, boxes and vaults in the right of way. If installed correctly this collar prevents damage to our system under normal circumstances.

All new infrastructure receives these collars and as we delve deeper into our preventative maintenance program and system condition assessments we will be cataloging existing infrastructure with and without this protection and prioritizing with current and planned R&R projects.

COLLECTIONS/REUSE



Since the new check valve has been installed we have performed one annual preventative maintenance and determined that the previous debris accumulation and leakage is no longer an issue. We will continue to monitor during lift station quarterly checks but have discontinued this preventative maintenance in the interim. Proactively addressing issues like this help reduce the overall PM load and allow us to focus in other areas.

A past renewal and replacement project included replacement of a 20-inch check valve at Lift Station 200, also known as the Abacoa Booster Station. The replacement occurred in hopes of addressing an onerous annual preventative maintenance program that included removing the valve from service and cleaning debris from the internals to ensure proper sealing between the disc and seat.



Town of Jupiter Touch A Truck



The Collections Department participated for the 6th consecutive year in the annual Town of Jupiter Touch-a-Truck event held in Abacoa Town Center. Staff volunteers included (from right to left) Kyle Shepard, Ryan Chernekoff, Charles Talledo and Remi Gadoua.



Staff have made visually interactive displays to demonstrate have the Vac-con actually clears blockages in sewer mains. The display includes clear plastic pipe, red mulch and various colors of dye to aid in the demonstration.





The Vac-con and line clearing demonstration are always a crowd favorite and staff enjoy the interactions with the public and the kids.

SANITARY SEWER OVERFLOWS

There were 2 sanitary sewer overflows in the collection/transmission system for the month of March. Both were associated with major capital projects currently underway, Master Lift Station No 1 Rehabilitation and the Alternate A1A 16" Force Main Extension.

Master Lift Station SSO

The sanitary sewer overflow at the Master Lift Station occurred when the 30" force main was cut. Prior to cutting we isolated the existing 30" force main valve in Indiantown Rd and allowed the force main to back flow into the master lift station wetwell. Once the pipe was evacuated the Contractor cut the 30" and installed the new reducer and isolation valve. Unaware prior to making the cut, the 30" isolation valve, originally installed in the early 70's, did not seat 100%. A small amount of wastewater leaked by the valve and flowed back into the excavation during the cutting process and when the pipe was removed. In hind sight capturing the amount of wastewater that spilled would have been relatively straight forward had it been considered ahead of time. We applied this to the next sanitary sewer incident, which undoubtedly prevented significant amounts of wastewater from spilling, but was not 100% successful. See details below.

Alternate A1A 16" Force Main Extension SSO

The sanitary sewer overflow during the Alternate A1A 16" Force Main Extension occurred when a lined pit used to capture wastewater was damaged by an excavator during the course of the work. Different from the Master Lift Station project the excavations at this site were lined prior to cutting the pipe understanding that if any wastewater were spilled and not captured by the onsite vacuum trucks it would be captured in the lined pits where it could then be vacuumed up. The effort worked very well and captured significant amounts of wastewater in four separate locations. Unfortunately one lined pit was damaged when an excavator, excavating adjacent to the pit to allow for the pipe deflection to be installed, unintentionally collapsed the bank of the lined pit resulting in residual wastewater in the pit, and continued wastewater flowing from the pipe (less than 5 gallons a minute), to spill into the ditch.

To facilitate the work which resulted in the incident the District had to shut down the single force main serving north Jupiter, the entire Village of Tequesta and areas of unincorporated southern Martin County. Due to this shutdown requirement there was only a window of time from 11pm Saturday night to 6 am Sunday morning that would allow us to manage the flows from this area with tanker trucks from outside vendors. Allowing the shutdown to extend beyond this time period may have resulted in the collection systems in the affected areas reaching capacity and major system overflows due to the shutdown. When the incident occurred we understood the ramifications of attempting to capture the spillage or attempting to rebuild the berm and the time it would take to accomplish. As such, we continued with the tie-ins and put the force main back into service as soon as possible. As it ended, the force main did not go back into service until 6 am Sunday morning over which time we estimated 790 gallons of wastewater was spilled. Spilling 790 gallons of wastewater is not ideal, but was tolerable when compared with the potential overflows had the shutdown extended further into Sunday morning.

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458-8964

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director

FROM: Tony Campbell, Director of Operations

DATE: April 17, 2019

SUBJECT: Operations Department Monthly – Report for March 2019

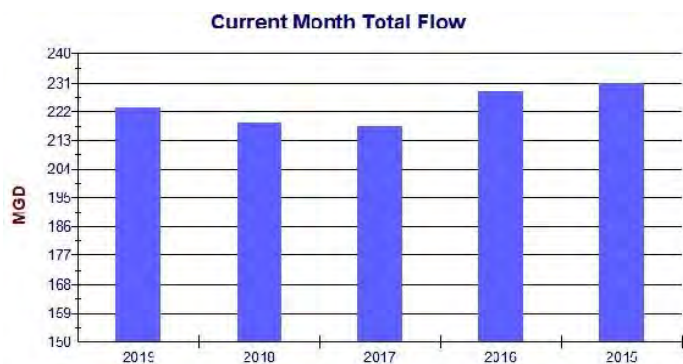
Treatment Plant Division

Values:

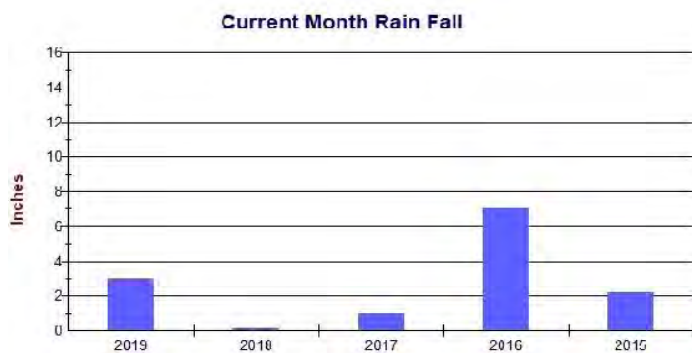
Operations Department recently experienced a **near miss event** that potentially could have carried environmental consequences. The cause of the event was initiated by a contractor integrating additional controls and logic at one of our plant control panels. During the installation the PLC, (Programmable Logic Controller) being worked on faulted and stopped all communication with all pumps and Motors it was controlling, then causing a chain reaction of various pumps and motors shutting down. Events like this would normally result in a spill or loss in treatment, however due to our excellent well-trained staff that has always trained to be vigilant and alert this crisis was avoided. Shortly after this event Operations along with IT Department held a “near miss” meeting to discuss the events that led up to and our reaction to the alarm. We discussed improvements to strengthen our alarm and notification system, along with possible advancements in our communication during upgrades to our plant infrastructure. This is a great example of Operations and IT Departments demonstrating our District Core Values, **Innovation, Lean and Collaboration**.



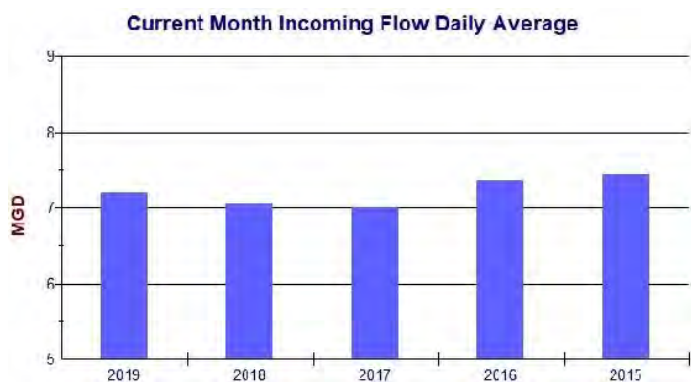
We've had another great month of no permit exceedances.



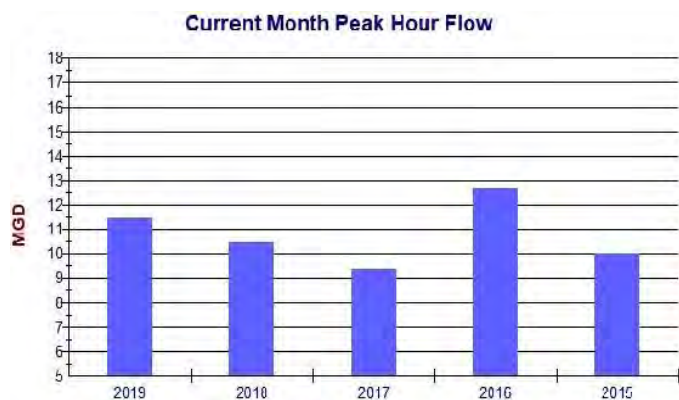
The plant total flow for the month of March was 223.35 million gallons.



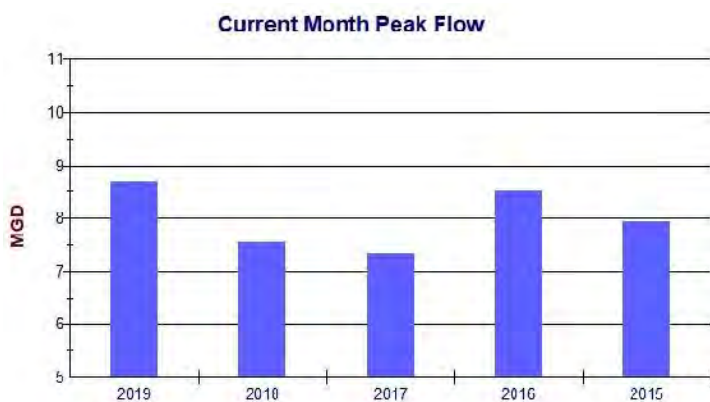
3.01 inches of rainfall was recorded at the plant site during the month of March.



The treatment plant incoming flow for the month of March averaged 7.20 MGD compared to 7.05 MGD one year ago, for the same month.

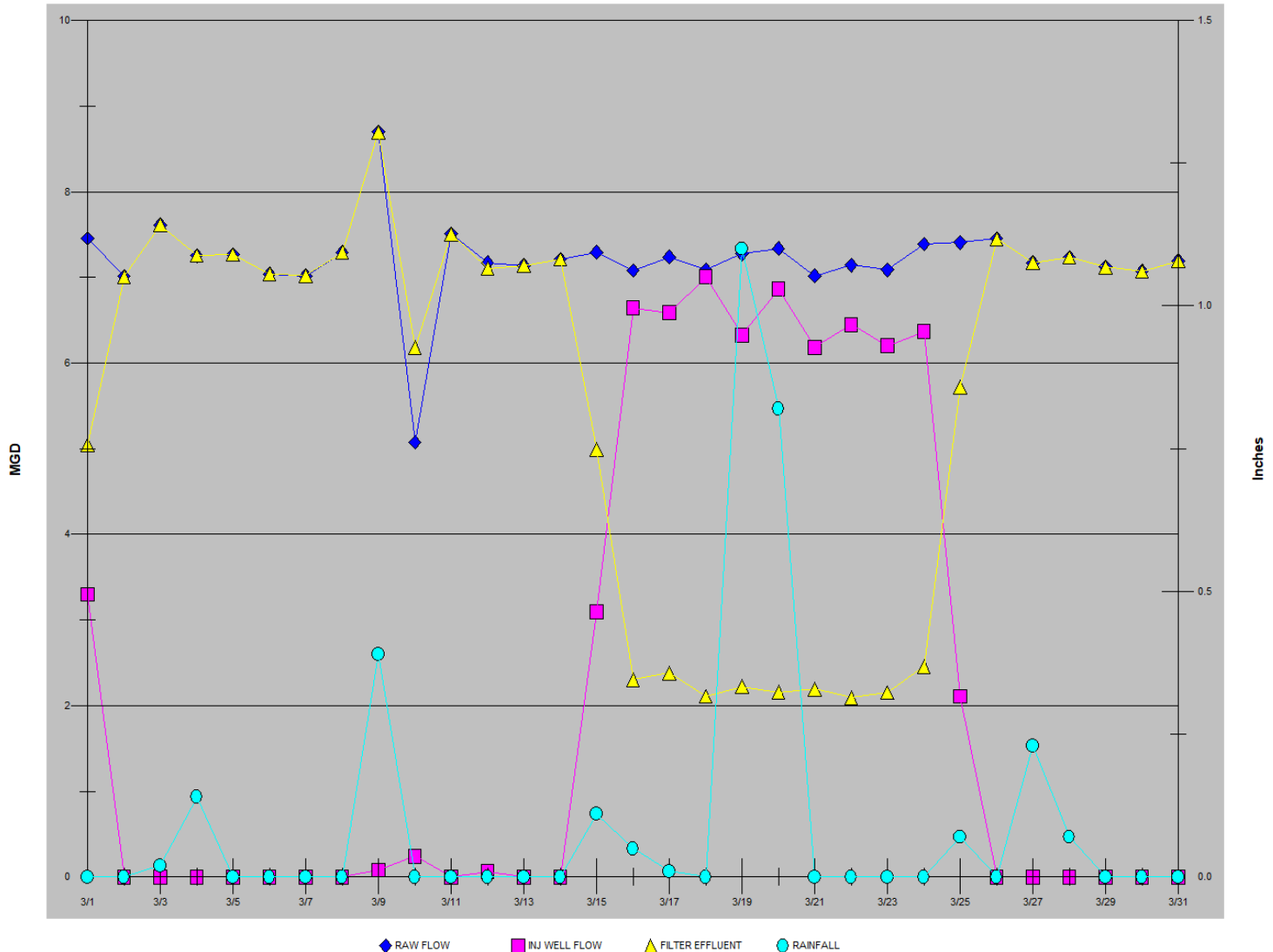


The peak hourly flow rate in March was 11.44 MG.



The greatest single day average flow in March was 8.70 MGD.

For the month of March, the plant received 223.35 MG of influent flow of which 173.41 million gallons were sent to the IQ storage system where they were dispersed as needed to the various golf courses and the Abacoa development sites. We received 3.01 inches of rain during the month and 67.52 million gallons of blended effluent was diverted to the Injection Well. Overall, 50.43% of incoming flows were recycled for IQ use and the plant delivered 77.64 million gallons of IQ water to the Reuse customers.



Year to date, the plant recycled 66.45% of all incoming flow and the total amount of IQ water delivered to reuse customers stands at 431.44 million gallons.

All monthly reporting has been submitted on time.

Treatment Plant:

This month the Operations department has been working on combining two separate labs in separate buildings to one. This combination of labs not only improves efficiency in process sampling but also increases the level of security regarding our data recording. This project is nearing completion and has been both fun and informative project for both Operations and Maintenance as they worked together.



Photo to the Right show's repairs made to a splash guard on Plant Lift Station #3. This is the location where our Grit Classifier discharges at approximately 280 gallons per minute and then pumps to Head Works at the front of our Plant. With the splash guard missing, water will cascade from 6-inch pipe down 6-7 feet to water level, generating sulfides at point of contact with water surface below. Sulfides can cause corrosion issues along with nuisance odors if ignored for any length of time. Our Construction Department assisted Operations in this project along with our Safety and Compliance Officer overseeing work, since this is considered a confined space entry.



Maintenance Department:



Maintenance is continuing work on the West Stabilization pond rehab project. This project will serve two advantages, by adding additional parking area for Busch Wildlife and creating much needed protection to the Districts underground valves and transmission lines. Maintenance is also cleaning up slopes around both the East and West ponds for ease of maintenance and ensure longevity of berms.



Maintenance is finishing up rehabilitation work on Aeration Basin #2. The above photos show Maintenance crew removing loose paint using a high-powered pressure washer and recoating with an epoxy. This is the last item to be completed on Aeration Basin #2 and we plan to drain and rehabilitate Aeration Basin #3 later this month.

**Behavior Based Safety
What Does It Mean to Everyone?**

Implementing a Behavior Based Safety Program is the most comprehensive way for any company to promote safety, eliminating hazards, and prevent injuries. The loss of livelihood, personal injury, the wellbeing of others; it's a human impact. Which causes concern about the way the others work, interact with others, and perform around others. Programs and standards that are written for companies are only the beginning of safety.

As Managers and Supervisors, we must meet the employees in the middle for training. Taking what they know and help them develop the skills to teach others. I remember once thirty years ago; a foreman did not want to teach me a thing. He was worried about me taking his job. Another foreman (same company) showed me the wrong way to perform a job (ended in serious injury). We have all heard of scenarios as this. Safety was not prevalent back then. They, amongst others and a serious injury are why I do what I do now.

Safety has always started at the top. They are not only the structure to the Safety Officer they assist in re-enforcing his back-bone. Employees, especially ones that have been doing the same job for any numbers of years will most likely always give push back. So, senior management re-enforcing the safety department is a must.

Training on BBS Program has started. In the coming weeks, we will be having early morning trainings to be able to catch everyone. We will have everyone trained on BBS by the end of April to launch fully in May. Training continues to play catch up, mostly with safety committee and supervisors. We have put a lot on them, only to make them more efficient.

Emergency Evacuation Training is 100%. Other notable trainings that are in progress are First Aid/CPR/AED, JHA and Risk Assessment. We have spoken with Gilmore Electrical for Arc Flash training for our electricians and stand-bys, and spoken with PBCS for Active Shooter training, coming in June

Our Employee Safety Manual has been uploaded and the links to training resources are fully functional, there needs to be a few tweaks, we are working on that. It is a living document, ever changing and being updated. I am proud to have been a part of its creation.

Risk Management Program has been completed and will be submitted to the EPA next week. A huge thanks to all the personnel it took to create and write. A separate thanks to Sterling Carroll, P.E, M.P.A. with Florida Rural Water Association for enduring my Q/A sessions and my ignorance. Now that it is ready for submission we can concentrate on other important items. We will not need to worry about it for another five (5) years. Along with that being done, we have updated our Tier II SERC.

Three key elements in 2019 that will be followed up on,

1. Training, Coaching, & Mentoring
 - a. Behavioral Based Safety -- **Finished building Excel Spreadsheet**
 - I. Changing the mindset of safety – **Having Supervisors and Safety Committee Members Buy into Safety Policies**
 - b. Introducing new and more interactive training -- **Launched Target Solutions & Think HR**
 - c. New training for Supervisors – **Recommended Safety Training**
 - I. Introduced by Safety, HR and IT
2. Implementation
 - a. New and Current Safety Policies – **Via Intranet Safety Page**
 - b. Comprehensive, Hands on, CBT – **In Progress**
 - c. Reaching out to different training agencies – **Palm Beach Sheriff's Office/Gilmore Electric**
3. Situational Awareness
 - a. Job Hazard Awareness and Training
 - b. 4 Q's
 - I. What am I about to do?
 - II. How could I get hurt?
 - III. What am I going to do to prevent injury?
 - IV. What do I need to do this and how will I do it safely?

For the month of **March**, the District had **NO** OSHA recordable injuries.

For the month of **March**, the District had **NO** lost time injuries to report.

The District has worked 34,744 hours without a DART.

The District has worked 81 days without a DART.

(DART – Days Away, Restricted, Transfer)

“overlooked by many, your attitude affects me and how I will work today”

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director
FROM: Bud Howard, Director of Information Services
DATE: April 17, 2019
SUBJECT: Monthly Governing Board Update for March 2019

WildPine Ecological Laboratory

Riverkeeper Project

In March, District and Town of Jupiter staff collected water quality samples from 26 monitoring stations that we tested for bacteria and 18 stations we tested for nutrients. Throughout the entire watershed, fecal coliform bacteria scored “Poor” at 5 of the 26 stations (19% in March compared to 32% in February) when scored to DEP’s threshold of 800 MPN/100 mL. Upper Jones Creek stations (CALC, DEL, and TPJ) sampled during a recent turbidity event had the highest concentrations all above 1800 MPN/100 mL. Station 107 (Rivers Edge) and station 73 (mouth of Sims Ck.) were also high at 2,184 and 2,014 MPN/100 mL, respectively.

Total Phosphorus (TP) concentrations in March throughout the watershed were similar to last month with 17% (3 out of 18) of the stations exceeding the EPA/DEP’s Numeric Nutrient Criteria (NNC) for each river segment. Upper Jones Creek stations (CALC, DEL, and TPJ) sampled during the turbidity plume had the highest concentrations TP at 0.21-0.22 mg/L, which was three times higher than the NNC for the Southwest Fork region. Most of the other sites were “good” and met the NNC.

Chlorophyll concentrations were “Poor” for 7 out of 18 (39%) Riverkeeper stations when compared to the stringent NNC for each river segment. Upper Jones Creek station DEL sampled during the turbidity plume had the highest level at 20.3 ug/L, which is three times higher than the NNC for that region. Despite this one high value, many of the other stations were better with an average for all sites of 6 ug/L, than last month’s watershed average of 19 ug/L.

Total Nitrogen (TN) was not an issue this month with all sites meeting the NNC.

Jones Creek Water Quality Investigation & Restoration

As part of our ongoing monitoring to improve our understanding of the high bacteria and turbidity issues in Jones Creek, we are working closely with FDEP’s staff and laboratory for additional analytical capabilities and expertise. For our watershed status report this month we will present new and interesting results from our sampling event on March 4, during a high turbidity event.

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Hydrologic Monitoring

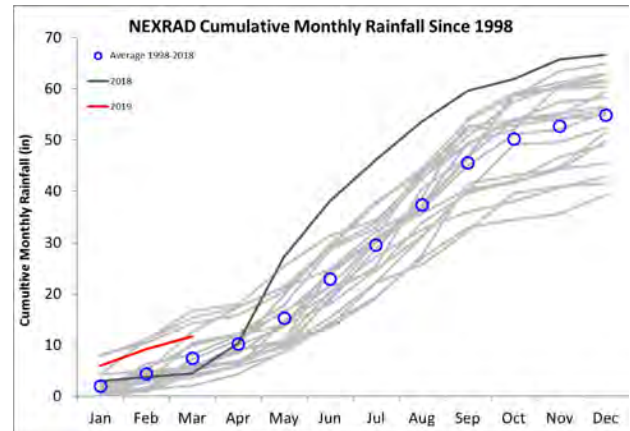
Rainfall for the month was 2.5" which is lower than the historical average of 3.2" for the month (since 1998). The highest single day rainfall total was 1.3" measured on March 19. With the unusually wet January, our year to date cumulative rainfall 11.7", 56% higher than the 7.5" typical through March.

Spatially, most rain fell on the northeastern and southeastern portion of the watershed. The area of highest rainfall occurred in the southeastern region near Juno which received up to 3" of rain in March (figure right). The northeast region, including Jonathan Dickinson State Park, received about 2.5". The western region of the watershed including J.W. Corbett Wildlife Management Area and the Acreage community were among the drier regions with roughly 1.2 to 1.5" of rain in March.

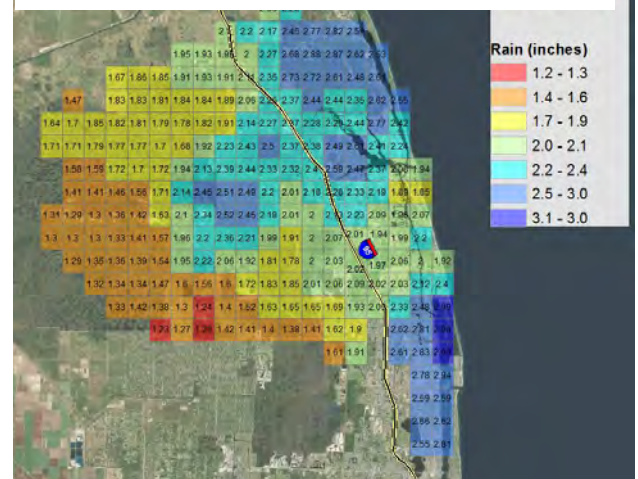
Lower than average rainfall brought monthly mean flow over Lainhart Dam down to 41 cfs (SD \pm 7.8) with peak flow of 64 cfs in response to the 1.3" of rain measured on March 19. Prior to this rain event, Lainhart flow had fallen slightly below the 35 cfs Minimum Flow and Level (MFL) briefly on March 4 (32cfs) and again from March 14 – 18 (33 cfs). The SFMWD has discontinued their oscillating operation schedule of weekday low flows and weekend higher flows after our analytics tools confirmed that the salinity criteria of the MFL was violated. For the month of March, river flows were sufficient to meet the salinity MFL on all but one day where the salinity touched 2.1 ppt, slightly above the 2.0 limit. With the lower flows salinity in the lower estuary was typically marine.

Oyster Settlement Monitoring

Oyster spat settlement monitoring for the 28-day period ending April 4 indicated that spring time settlement had begun. The northwest fork experienced the highest density with mean settlement of 576 spat m^2 . Interestingly, 95% of the settlement observed in the northwest fork occurred at the downstream site. Oyster spat settlement was considerably lower in the southwest fork which had a mean density of 288 spat m^2 and 61% of the settlement occurring at the downstream site. This is the time of year that we typically see oyster settlement density begin to ramp up. During the same period in 2018, mean density in the northwest fork and southwest fork was 1,224 spat m^2 and 92 spat m^2 respectively.



Cumulative annual rainfall using NEXRAD radar-based data. Red line indicates current 2019 cumulative rainfall total. Blue circles indicate mean cumulative rainfall since 1998. (2018 indicated as dark gray line).



Rainfall distribution across the watershed using NEXRAD data. Each pixel represents an area of 2 km x 2 km. Blue colored pixels show highest rainfall and red pixels show lowest rainfall.



Volunteer Water Quality Monitoring Program

The weekly Volunteer Water Quality monitoring for March scored an overall “B”. A spectrum of grades was present at all of the sites. The clarity decreased toward the end of the month at the sites closest to the inlet likely a function of ocean conditions and, perhaps, the effects of the inlet dredging project. pH values were a bit elevated which contributed to the lower overall grade this month.

March-19

Site	Temp (F)	Secchi	Salinity	pH	DO	DO%	Color	Vis	Salt	pH	DO	DO%	Color	Score	Grade
LR10V	74.1	1.5	33.3	8.2	7.0	99.4	1.0	Fair	Good	Good	Good	Good	Good	93.8	A
LR22V	76.3	1.6	34.8	8.5			1.2	Fair	Good	Fair			Good	79.2	C
LR30V	73.0	1.4	33.7	7.6	6.8	95.1	1.0	Good	Good	Fair	Good	Good	Good	88.3	B
LR52V	69.8	VAB	30.0	7.9	5.8	77.6	1.0	VAB	Good	Good	Good	Good	Good	100.0	A
LR52.5V	69.8	VAB	30.3	8.2	5.9	79.0	1.7	VAB	Good	Fair	Good	Good	Poor	70.0	C
LR62V	68.9	1.3	8.9	7.3	5.8	67.6	1.0	Good	Good	Good	Good	Good	Good	100.0	A
LR107V	68.0	VAB	10.2	7.9	8.9	103.8	1.0	VAB	Fair	Poor	Good	Good	Good	70.0	C
Average	71.4													85.9	B

VAB (Visible at Bottom)
DO (Dissolved Oxygen)

scale: 0=poor 2=fair 4=good

Customer Service

Payment Processing

In March, we closed out the first quarter bills with staff processing roughly 2,400 late payments, totaling nearly \$277,000. Staff were busy preparing for the second quarter billing. We closed out the quarter with 95% of our customers satisfying their sewer accounts.

We continue to monitor our march toward the milestone of 70% of our payments received by digital means (versus cash or check) with this quarter’s new high of 67.7%. This highly efficient means of payment processing helps to free up staff time for other important work in the customer service department. The increase is driven largely by customers utilizing our web and recurring payment options (39.5), versus their banks online bill pay (28.2%; 32.3% were paper check/cash). The proportion of payments made by credit card (54%) with the higher transaction fee versus eCheck (46%) was nominally higher compared to previous quarters.

Information Technology

Security Report

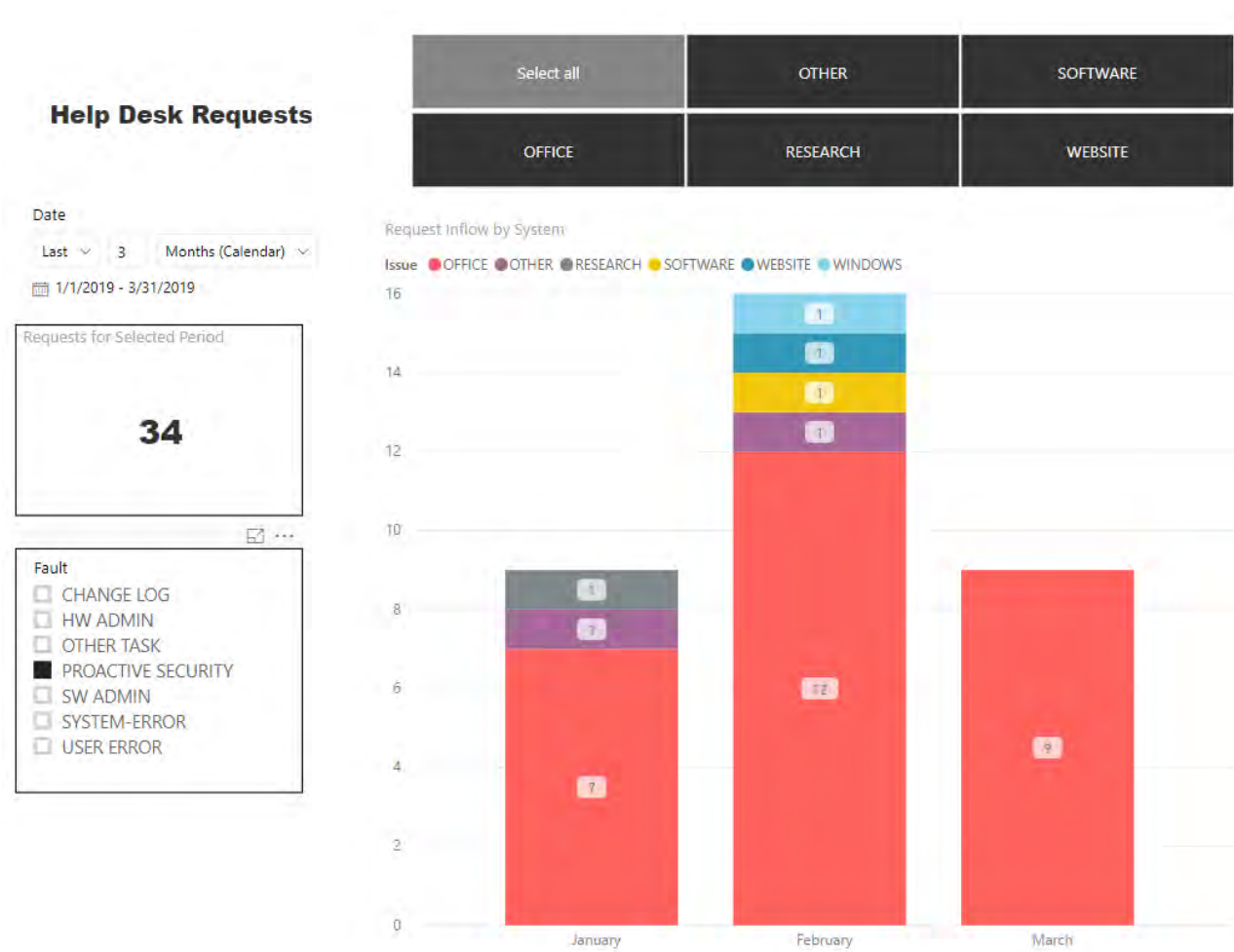
A primary focus of the IT team has been on prevention of security issues, which can lead to a compromised computer systems and/or loss of data. We are accomplishing this through programs like our Security Awareness Training and monitoring program, as well as, through systems like industry leading firewalls and anti-virus/malware software. In conjunction with our Awareness Training, we have been tracking security events such as malware, phishing, and system attack.

We created two classifications for recording events related to security:

- Security event: system compromised, malware entered network, or loss of data
- Proactive security: user/system identified potential security threat and notified IT

Thankfully, there were no security issues this quarter. The figure below shows how we are benefitting from a steady stream of users/systems notifying us of possible threats. At the staff level, our training is clearly working with caution and care exhibited and bringing concerns to the attention of IT staff.

All of this is a positive contribution to cyber security of the District’s IT systems and data.



Summary of calls from staff to our IT department expressing concern about a possible security issue grouped by the system such as an Office program, Web page, Windows, or other system. We welcome these calls because the cautious behavior and vigilance can help prevent security breaches.

Loxahatchee River Environmental Center

April 2019

River Center Summary Statistics



LRD'S ENVIRONMENTAL STEWARDSHIP DASHBOARD



	Total Visitors	School & Camp Visitors	RC Offsite Programs	RC Onsite Programs	RC Staff Guest Appearances	Program Cancellations	Volunteer Engagement	1st Time Visitors	Visitor Satisfaction	Staff Assessment	Environmental Stewardship	Expenses	Program Revenue
Benchmark / Customer Expectation	% of Target	% of Target	% of Target	% of Target	% of Target	% of programs	% of Target	% of Target	Rating Average	Rating Average	Positive Responses	% within budget	% of Target
Green Level	≥ 90%	≥ 90%	≥ 90%	≥ 90%	≥ 90%	< 5%	≥ 90%	≥ 90%	≥ 4	≥ 4	≥ 90%	≥ 85% but ≤ 105%	≥ 90%
Yellow	≥ 75%	≥ 75%	≥ 75%	≥ 75%	≥ 75%	< 10%	≥ 75%	≥ 75%	≥ 3	≥ 3	≥ 80%	≥ 80%	≥ 75%
Red	< 75%	< 75%	< 75%	< 75%	< 75%	> 10%	< 75%	< 75%	< 3	< 3	< 80%	< 80% or > 105%	< 75%
2017 Baseline	103%	103%	179%	127%	141%		118%	50%	4.8	4.0	87%	102%	114%
2018													
Mar	104%	83%	263%	143%	186%	0%	79%	46%	4.9	4.2	88%	96%	101%
Apr	89%	66%	227%	113%	480%	8%	205%	84%	5.0	4.1	90%	85%	87%
May	139%	81%	120%	282%	0%	13%	295%	54%	4.7	3.9	93%	93%	75%
June	100%	113%	181%	108%	0%	0%	99%	79%	4.2	4.0	88%	91%	49%
July	102%	90%	202%	114%	0%	11%	145%	78%	4.8	3.6	97%	83%	41%
Aug	106%	59%	157%	109%	0%	24%	79%	136%	5.0	3.9	99%	87%	86%
Sept	96%	95%	168%	144%	0%	0%	138%	163%	4.8	3.9	98%	91%	78%
Oct	120%	163%	120%	214%	160%	42%	150%	150%	4.6	4.6	87%	88%	102%
Nov	120%	157%	780%	206%	430%	9%	142%	45%	4.8	3.3	93%	82%	100%
Dec	131%	89%	130%	203%	0%	0%	122%	49%	4.5	4.2	83%	101%	160%
2019													
Jan	105%	74%	450%	139%	70%	9%	281%	53%	4.5	4.2	83%	101%	160%
Feb	106%	142%	129%	92%	103%	0%	238%	88%	4.9	4.4	97%	93%	62%
Mar	119%	112%	268%	148%	203%	17%	119%	156%	4.8	4.5	91%	86%	73%
Consecutive Months at Green	11	2	13	13	2	0	7	1	13	4	2	4	0
Metric Owner	O'Neill	Harris	Harris/Duggan	Harris/Duggan	Duggan	Harris	Harris	O'Neill	O'Neill	O'Neill	O'Neill	O'Neill	O'Neill

Metric	Explanation
Program Cancellations	We had 2 regular programs cancel out of 12. One class was cancelled for the semester and the other did not have enough permission slips returned.
Program Revenues	Program fees are still running slow until summer. We also did not do Night on the Loxahatchee this year which may account for lower revenues as well.

River Center General

The hiring process has begun for "Option B" of the Re-envisioning of the River Center. We are looking to bring on a part-time Volunteer Coordinator in May 2019. In the fall, we will hire an Environmental Educator.

Lecture Series

On Friday, April 5th Harper Carroll, Fire Manager for Palm Beach County's Environmental Resources Management, came to present about "Prescribed Fire: The Spark of Life." He talked about the history of fire and the benefits of prescribed fire in Florida. Fifty-one people came out to hear this lecture. Prior to the lecture a light lunch is provided.



Special Programs

Girl Scout Eco-Action Workshop: Fish Like a Girl

Forty Daisy and Brownie Girl Scouts visited the River Center on Saturday, March 2nd for a special fishing clinic workshop. With the help of our educators and volunteers we provided a morning filled with Fishing 101. From knot tying, de-hooking, fish morphology, habitats, to casting practice, all topics were covered to prepare the girls for fishing. After the morning activities, the girls finally got to test their newly acquired knowledge and went fishing. We would like to especially thank the Society of Woman Engineers for their continued support and dedication to the River Center's Eco-Action Girl Scout Workshop. Today we fished like girls!



Homeschool Workshop: Busy Bees, Busy Blooms

We held two unique homeschool workshops which were held on March 26th and April 2nd titled Busy Bees, Busy Blooms. Students learned the process of pollination, they identified the role wildlife, particularly bees, play in pollination, and learned about how physical adaptations of plants and wildlife support pollination. We had a total of fifty-five students ages 5-11 participate. Students explored the garden, identified plants with different flowers, seeds, and fruit as well as found and studied animals that help with pollination. We played a bee game showcasing the process of pollination and learned how we can help bees in our own backyard. This was a special program because these students participated in an environmental education research study looking at environmental stewardship and connections to nature for a master's program capstone project.

Jupiter U

As part of the Town of Jupiter's "Jupiter U" program series, twenty-one Jupiter residents enjoyed a day of immersion into the Loxahatchee River at the River Center on March 13th. Jupiter U provides the opportunity for residents to learn about life and government in Jupiter. The River Center staff provided a detailed tour of the River Center and a hands-on activity titled "Ocean Currents and Plastic Voyagers." This program is in conjunction with the PURE Jupiter Campaign to educate residents about single-use plastics, marine debris, and what everyone can do to help with overall plastic reduction. Staff then led a kayak around Burt Reynolds Park with fourteen participants exploring the mangroves of the lagoon.



Spring Break at the River Center

Spring Break is always a fun time when local and out of town families come to the River Center to enjoy our facility before visiting the beach, heading up the lighthouse, or having a picnic at the park. We had over 780 visitors come through our doors as regular visitors, to listen at story time, watch the Public Tour and Fish Feeding, get creative at the Craft-a-Palooza, and become wildlife artist in our Art in Nature program. We also conducted a sunset kayak tour to Adventure Island and the Central Embayment of the Loxahatchee River as well as led explorers on a nature hike at Cypress Creek Natural Area. We would like to thank our River Center volunteers for their help throughout the week. It was a fun time to be out and about at the River Center. Happy Spring!

Outreach

PBC ERM Natural Areas Festival

On Saturday, March 9th, the River Center participated in the third Natural Areas Festival created by Palm Beach County's Environmental Resource Management. This event was to celebrate and showcase our County's local natural areas. The day was filled with various outdoor activities like a 5k run, kayaking around the park and even a burn demonstration. The event brought out many local conservation and environmental agencies as well. It was a great day to celebrate our natural areas and we look forward to attending this event again in the future. Over 285 visited the River Center's booth at this event.



Jupiter Police Department Soccer Tournament Outreach

On Saturday, March 16th the River Center participated in the Jupiter Police Department's Soccer tournament at Jupiter Community Park. The event highlighted local agencies and activities to the participants of the tournament. It was a great experience to meet locals from our community and introduce the River Center to a new group of people. We look forward to participating again next year. We had over 80 visitors to the River Center's tent.



Turtlefest

On Saturday, March 23rd The River Center participated in Loggerhead Marine Life Center's annual Turtlefest. This event focuses on promoting conservation through up close interactions with threatened and endangered sea turtles, as well as music, art, shopping, educational presentations, games, and other activities. It was a great day to celebrate turtles and conservation. Over 650 guests visited the River Center's booth.

Volunteer of the Month – Emily Simpson



This month the River Center would like to acknowledge Emily Simpson as our Volunteer of the Month. Emily is an undergraduate student earning a bachelor's degree from Florida Atlantic University. Emily is gaining volunteer hours as part of an academic learning project with her Human Environmental Interactions class. This month, Emily helped with our Girl Scout Fish Like a Girl workshop, guided participants at the Cypress Creek Natural Area nature hike, and offered her assistance for visitors during spring break. She also spent lots of time helping to prepare seeds from Coontie plants to propagate for our Naturalist Girl Scout workshop in April. Emily's willingness to help wherever needed, her positive attitude, and hard work have made her a asset to the River Center's team. On behalf of the River Center's staff, volunteers, and visitors we would like to

extend our utmost appreciation for the efforts that Emily had shown and we look forward to her college success in the near future.

Upcoming River Center Events

RSVP at www.lrdrivercenter.org/events-calendar
rivercenter@lrecd.org or 561-743-7123

April 20, 8 am – 4 pm: Boating Safely Class: The River Center continues to collaborate with the US Coast Guard Auxiliary “Flotilla 52” to provide a series of Boating Safely Classes targeted specifically to young boaters in our community. These classes are provided through a generous sponsorship by the AustinBlu Foundation, a not-for-profit dedicated to raising awareness and promoting educational programs to improve boater safety. There is no cost for this class, however a deposit is required to reserve a seat. The deposit of \$10 will be refunded in full to all students who complete the class. Recommended for children 12 years and up.

April 23, 3 pm – 5 pm: Kayak Tour: Join the River Center for our Public Kayak Tour on the Wild and Scenic Loxahatchee River leaving from Lainhart Dam. Our naturalist will guide you through the cypress swamp to explore the “wilder” side of Florida. All equipment will be provided but interested participants should bring water shoes, sunscreen, and plenty of water! The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited!

April 27, 9 am – 12 pm: Great American Cleanup: Join others in our community at Coral Cove Park, in a county-wide effort by Keep Palm Beach County Beautiful to clean-up our beautiful beaches.

May 3, 12 pm – 1 pm: Lecture: Join the River Center in welcoming Mallory Fenn, from the Florida Public Archaeology Network for her presentation entitled “Who Made the Everglades?” This talk will explore the geological and cultural history of the Everglades. In particular, we will look at the role of early Native Americans and initial tree island formations!

May 8, 1:30 pm – 3:30 pm: Sandbar & Sea Shells Boat Tour: Join the River Center for an exciting family-friendly boat tour! Hop on-board the Osprey for a trip up the Central embayment of the Loxahatchee River. Hunt for shells and creatures at the sandbar and soak up some sunshine! Make sure to bring water, snacks, water shoes, and snorkel gear! The boat will launch from Burt Reynold's Park. Registration is required to attend. Space is Limited!

May 14, 9 am – 10:30 am: North Jupiter Flatwoods Nature Hike: Join the River Center on a walk through the North Jupiter Flatwoods, a Palm Beach County Natural Area. The natural area is located adjacent to the sand volleyball courts at the Jupiter Community Park. This a free program but space is limited. Please RSVP.

May 17, 9 am – 11 am: Wild & Scenic Kayak Tour: Join the River Center for our Public Kayak Tour to Riverbend Park on the anniversary of the Loxahatchee River’s Wild and Scenic

designation. Paddle along through Florida's first Wild and Scenic river on our naturalist led tour for great views of local wildlife and a cypress swamp. All equipment will be provided but interested participants should bring water shoes, sunscreen, and plenty of water! The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited!

May 18, 8 am – 4 pm: Boating Safely Class: The River Center continues to collaborate with the US Coast Guard Auxiliary "Flotilla 52" to provide a series of Boating Safely Classes targeted specifically to young boaters in our community. These classes are provided through a generous sponsorship by the AustinBlu Foundation, a not-for-profit dedicated to raising awareness and promoting educational programs to improve boater safety. There is no cost for this class, however a deposit is required to reserve a seat. The deposit of \$10 will be refunded in full to all students who complete the class. Recommended for children 12 years and up.

May 18, 5:30 pm – 8 pm: Full Moon Kayak Tour: Join the River Center for a full moon sunset kayak tour from Burt Reynolds Park. The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited!

June 1, 10 am – 12 pm: Lagoon Exploration: Join the River Center in a day of estuary exploration at our Family Seine and Dip Netting Experience! Activities will include exploring our local waterways through dip netting, seining and of course, snorkeling! Participants are welcome to bring snorkeling gear or goggles, but not required. Please make sure to bring sunscreen, water shoes, and plenty of water!

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org

D. Albrey Arrington, Ph.D., Executive Director



MEMORANDUM

TO: Governing Board

FROM: Administration Staff

DATE: April 25, 2019

SUBJECT: Consultant Payments

The following amounts have been reviewed and approved for payment to our consultants for work performed during the prior month.

	<u>Prior Month</u>	<u>Fiscal YTD</u>
Smith, Gaskill & Shenkman, PA	\$8,026.00	\$72,959.02
Hazen	\$43,612.05	\$91,834.32
Holtz	\$3,965.00	\$59,183.75
Mathews	\$	\$212,769.59

Should you have any questions in regard to these items, please contact Kara Peterson concerning the attorney's invoice, and Kris Dean concerning the engineers' invoices.

J:\BOARD\Consult2019.docx

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Future Business



Neighborhood Sewering:

- Preliminary Assessment-Turtle Creek Subsystem 2
- Preliminary Assessment-Turtle Creek Subsystem 3
- 181st Street Gravity Construction Contract

Other:

- Lift Station 43 & 62 Permanent Generators
- Lift Station 82 Conversion
- Chapter 31-16 River Enhancement
- Construction & Technical Specifications Standards
- Low Pressure General Construction Services Contract
- Olympia Force Main Replacement Construction Contract
- Penn Park Lateral Lining
- Personal Policies & Procedures