



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

Gordon M. Boggie
CHAIRMAN

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

AGENDA
REGULAR MEETING #24-2021
NOVEMBER 18, 2021 – 7:00 PM AT DISTRICT OFFICES
ALSO, THE MEETING WILL BE AVAILABLE TO THE PUBLIC
ONLINE AT: LOXAHATCHEERIVER.ORG/PUBLICMEETING

1. Call to Order & Pledge of Allegiance
2. Administrative Matters
 - A. Roll Call
 - B. Previous Meeting Minutes [Page 4](#)
 - C. Additions and Deletions to the Agenda
3. Comments from the Public
4. Status Updates
 - A. Loxahatchee River Watershed [Page 11](#)
 - B. Loxahatchee River District Dashboard [Page 12](#)
5. Consent Agenda (see next page)
6. Regular Agenda
 - A. Consent Agenda Items Pulled for Discussion
 - B. Loxahatchee River Subaqueous River Crossing Replacement [Page 34](#)
 - C. Annual Renewal of Employee Insurance Plans [Page 42](#)
7. Reports (see next page) Pulled for Discussion
8. Future Business [Page 114](#)
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: November 8, 2021

2500 Jupiter Park Drive
Jupiter, Florida 33458

TEL: (561) 747-5700

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loxahatcheeriver.org

Water Reclamation - Environmental Education - River Restoration

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. Final Assessment SE Hobart Street – to approve final assessment [Page 14](#)
- B. Master Lift Station Traveling Bridge Crane – to award construction contract [Page 21](#)
- C. Injection Well Pump Station Manual Transfer Switch Addition – to award construction contract [Page 24](#)
- D. Initiate Sewer Service Charges Policy – to approve updates [Page 27](#)
- E. Discontinue Sewer Service Charges Policy – to approve updates [Page 29](#)
- F. Fixed Asset Disposal – to approve disposal [Page 31](#)
- G. Change Orders to Current Contracts – to approve modifications [Page 32](#)

7. REPORTS

- A. Neighborhood Sewering [Page 61](#)
- B. Legal Counsel's Report [Page 63](#)
- C. Engineer's Report [Page 66](#)
- D. Busch Wildlife Sanctuary [Page 74](#)
- E. Director's Report [Page 75](#)



LOXAHATCHEE RIVER DISTRICT

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James D. Snyder
BOARD MEMBER

AGENDA

PUBLIC HEARING #13-2021

NOVEMBER 18, 2021 - 6:55 P.M. AT DISTRICT OFFICES
ALL MEETINGS ARE OPEN TO THE PUBLIC

1. Call to Order and Pledge of Allegiance
2. Roll Call
3. To receive public comments pertaining to the Final Assessment of SE Hobart Street
4. Comments from the Board
5. 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: November 4, 2021

2500 Jupiter Park Drive
Jupiter, Florida 33458

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Water Reclamation - Environmental Education - River Restoration

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
PUBLIC HEARING – MINUTES
OCTOBER 21, 2021

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Boggie called the Public Hearing of October 21, 2021 to order at 6:55 P.M.

2. ROLL CALL

The following Board Members were in attendance:

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

3. TO RECEIVE PUBLIC COMMENTS PERTAINING TO THE REVISION OF LRD
RULE CHAPTER 31-14 ORGANIZATION POLICIES AND PROCEDURES

No comments from the public were received.

4. COMMENTS FROM THE BOARD

No comments from the Board were received.

MOTION: Made by Mr. Rockoff, Seconded by Dr. Rostock,
Passed unanimously.

5. ADJOURNMENT

Chairman Boggie adjourned the Public Hearing at 6:58 P.M.

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
REGULAR MEETING - MINUTES
OCTOBER 21, 2021

1. CALL TO ORDER

Chairman Boggie called the Regular Meeting of October 21, 2021 to order at 7:00 PM and explained the various methods of attending the meeting (in person, electronically or telephonically).

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance:

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

Staff Members in attendance were Dr. Arrington, Mr. Dean, Mr. Howard, Ms. Fraraccio, and Mr. Pugsley.

Consultants in attendance were Mr. Curtis Shenkman and Mr. Hunter Shenkman, Rebecca Travis from Baxter & Woodman (via GotoWebinar), Suzanne Dombrowski from Chen Moore & Associates, Mr. Cristobal Betancourt and Mr. Sam from PGAL.

B. PREVIOUS MEETING MINUTES

The minutes of the Workshop, Public Hearing and Regular Meeting of September 14, 2021 were presented for approval and the following motion was made.

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

“THAT THE GOVERNING BOARD approve the minutes of the September 14, 2021 Workshop, Public Hearing and Regular Meeting as submitted.”

B. ADDITIONS & DELETIONS TO THE AGENDA

3. COMMENTS FROM THE PUBLIC

No comments from the public were received.

4. STATUS UPDATES

A. LOXAHATCHEE WATERSHED STATUS

Mr. Pugsley discussed the findings and recommendations from the Odor Control Study

B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

5. CONSENT AGENDA

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

“THAT THE GOVERNING BOARD approve the Consent Agenda of October 21, 2021 with Items 5D, 5G and 5N pulled for discussion”.

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

A. SE Hobart St Preliminary Assessment – to approve preliminary assessment

“THAT THE GOVERNING BOARD approve Resolution 2021-17 adopting the HOBART STREET Preliminary Assessment Roll.”

B. Bulk Polymer (SNF Polydyne) – to approve contract

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute a purchase order to Polydyne, Inc. for the supply of cationic emulsion polymer, in accordance with a “piggy-back” of Hillsborough County ITB No. 21632-0-2021/OR for the period from October 22, 2021 through September 30, 2022, in an amount Not-to-Exceed \$73,000.00.”

C. Personnel Policies & Procedures – to approve updates

No Board action is sought here.

E. Estoppel Fees Policy – to approve updates

“THAT THE DISTRICT GOVERNING BOARD approves the attached revised Estoppel Fees Policy with an effective date of October 22, 2021.”

F. Delinquent (Late) Fee Abatement Policy Update

“THAT THE DISTRICT GOVERNING BOARD approves the attached revised Delinquent (Late) Fee Abatement Policy with an effective date of October 22, 2021 .”

H. Employee Insurance Policy – to approve policy

“THAT THE DISTRICT GOVERNING BOARD approve the attached Employee Insurance Policy with an effective date of October 22, 2021 and directs the Executive Director to remove these policies from the District’s Personnel Policies & Procedures manual.”

I. Contract for Hauling of Liquid Domestic Wastewater Sludge and Collection System Debris – to approve contract

“THAT THE DISTRICT GOVERNING BOARD authorize the award of contract to Raider Rooter for Hauling of Liquid Domestic Wastewater Sludge and Collection System Debris in accordance with their bid received October 5th, 2021 in the amount not to exceed \$30,000.”

J. Executive Director Outside Employment – to approve update

“THAT THE GOVERNING BOARD recognizes the Executive Director’s potential sale of his ownership stake in Fish Rules, LLC and in anticipation of this sale approves his continuing outside employment with Fish Rules, LLC following the ownership transaction. The approved outside employment must not take precedence or priority over LRD business.”

K. Waste Water and Reclaimed Water General Construction Services/20-007-WWREGENCONSTR – to approve contract

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute an extension of contract ITB # 20-007-WWREGENCONSTR with Hinterland Group, Inc. to October 31, 2022 in an amount not to exceed \$250,000.00 inclusive of adjustment to unit prices in accordance with a CPI-U increase of 5 %”

L. Girl Scout Partnership Agreement – to approve agreement

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute the Partnership Agreement with the Girl Scouts of Southeast Florida, Inc. for 2021-2022.”

M. US Department of the Interior Donor Certification Form – to approve form

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute the attached US Department of the Interior Donor Certification Form for our planned work at the Jupiter Inlet Lighthouse Outstanding Natural Area.”

O. Manual of Minimum Construction Standards and Technical Specifications – to approve updates

“THAT THE DISTRICT GOVERNING BOARD ratify and approve the Loxahatchee River Environmental Control District’s “Manual of Minimum Construction Standards and Technical Specifications”, as of October 21, 2021, and authorize the District Engineer and Executive Director to update the Construction Standards and Technical Specifications from time to time, and periodically present it to the Governing Board for ratification and approval.”

P. Fixed Asset Disposal – to approve disposal

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property asset tag numbers 2549, 2753, 2721, 2754, 2756, 2925, asset number TDE12-29, and the items from aggregated assets listed in the schedule above, in accordance with the District’s Disposal of Surplus Tangible Personal Property Policy.”

Q. Change Orders to Current Contracts – to approve modifications

No Change Orders are presented for Board consideration this month.

6. REGULAR AGENDA

A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

Items 5D, 5G and 5N pulled for discussion

5D. Ethics Policy – to approve policy

“THAT THE DISTRICT GOVERNING BOARD approves the attached Ethics Policy with an effective date of October 22, 2021 and directs the Executive Director to remove these policies from the District’s Personnel Policies & Procedures manual”.

MOTION: Made by Mr. Rockoff, Seconded by Dr. Rostock,
Passed Unanimously.

5G. Employee Wage Policy – to approve policy

“THAT THE DISTRICT GOVERNING BOARD approves the attached Employee Wage Policy with an effective date of October 22, 2021 and directs the Executive Director to remove these policies from the District’s Personnel Policies & Procedures manual.”

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

5N. Vehicle Purchases – to approve contract

THAT THE DISTRICT GOVERNING BOARD authorize the FSA contract with Bozard Ford Government Fleet for FSA20-VEH28.0 in accordance with Bozard Ford proposals dated September 16, 2021 & September 29, 2021 in the total amount of \$166,519.00.”

AND

“THAT THE DISTRICT GOVERNING BOARD authorize the “piggy-back” of the Florida Association of Counties (FSA&AC) contract with Palmetto ford Truck Sales for FSA20-VEL18.0 in accordance with Palmetto Truck Sales proposal dated September 13, 2021 in the amount of \$114,696.00”.

MOTION: Made by Dr. Rostock, Seconded by Mr. Rockoff,
Passed Unanimously.

B. Revision of LRD Rule Chapter 31-1 Organization Policies and Procedures

“THAT THE DISTRICT GOVERNING BOARD approve Rule Chapter 31-1 Organization, Policies, and Procedures as revised with an effective date of October 22, 2021.”

MOTION: Made by Mr. Snyder, Seconded by Dr. Rostock,
Passed unanimously.

C. Liquid Chlorine Procurement

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute a purchase order to Allied Universal Corporation for the Supply of Liquid Chlorine, in accordance with District ITB No. 21-010-00109 for the period of October 22, 2021 through September 30, 2022, in an amount Not-to-Exceed \$175,000, contingent upon Allied providing the District a valid Palm Beach County Business license.”

MOTION: Made by Dr. Rostock, Seconded by Mr. Snyder,
Passed unanimously.

D. 2500 Jupiter Park Drive Site Planning Professional Engineering Services Contract

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to enter into the attached contract for Professional Engineering Services for site planning at 2500 Jupiter Park Drive in the amount of \$175,695.00”

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

E. Bureau of Land Management Site Plan

“THAT THE DISTRICT GOVERNING BOARD expresses support for the Chen Moore and Associates Design Memorandum dated 10/8/2021, and authorizes staff to continue to advance this project pursuing:

- Option C for the Welcome Center;
- Option B for the Learning Center; and
- Bahama shutters, white pickets, pilasters, and stucco for external finishes.”

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

7. REPORTS

The following reports stood as written.

A. NEIGHBORHOOD SEWERING

B. LEGAL COUNSEL’S REPORT

C. ENGINEER’S REPORTS

D. BUSCH WILDLIFE SANCTUARY

E. DIRECTOR’S REPORT

8. FUTURE BUSINESS

Dr. Arrington reviewed Future Business.

9. COMMENTS FROM THE BOARD

10. ADJOURNMENT

MOTION: Made by Dr. Rostock, Seconded by Mr. Rockoff,
Passed Unanimously.

“That the regular meeting of October 21, 2021 adjourns at 8:32 PM.”

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY



Loxahatchee River Watershed Status Project Proposals for Fiscal Year 2023

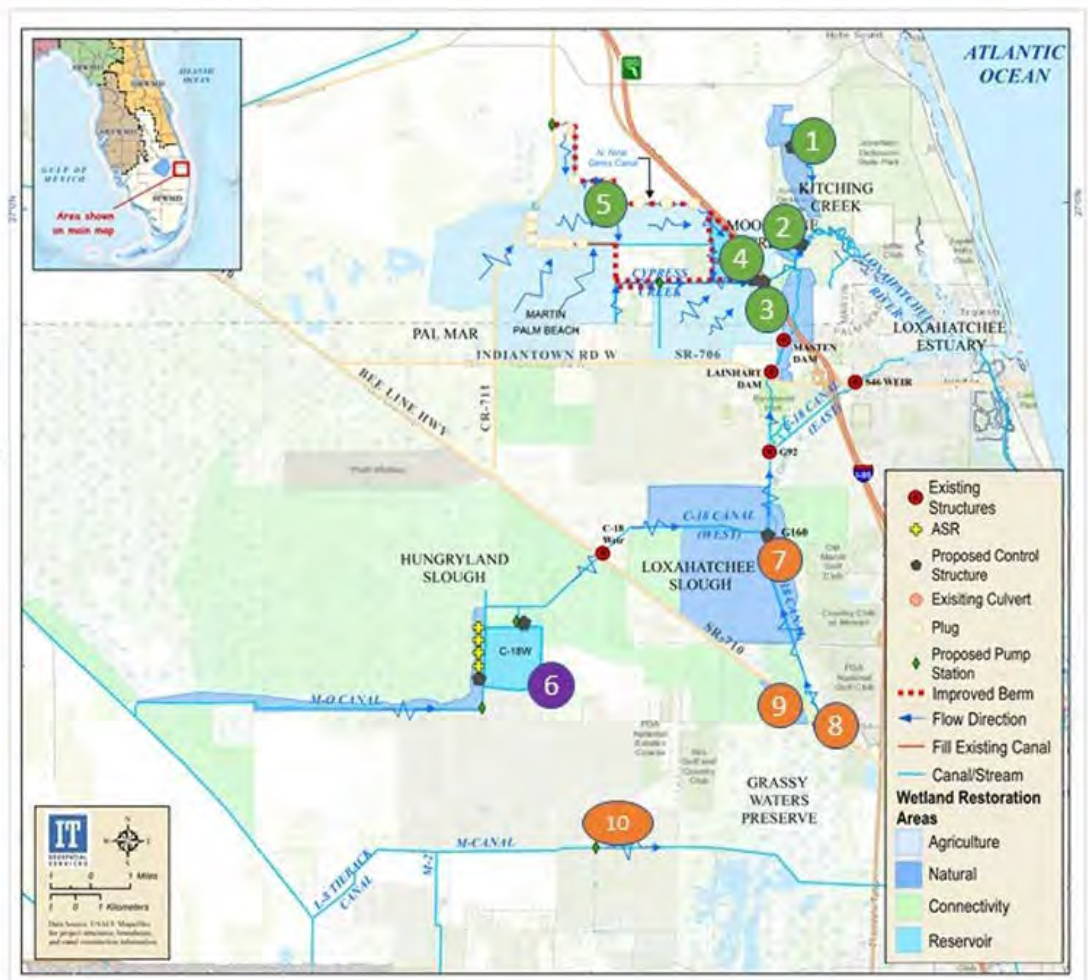
Last year, the Loxahatchee River Watershed Restoration Project (LRWRP) was approved in the Water Resources Development Act of 2020. This important project will “restore and sustain the overall quantity, quality, timing, and distribution of freshwaters to the federally designated “National Wild and Scenic” Northwest Fork of the Loxahatchee River for current and future generations.” This project also seeks to restore, sustain, and reconnect the area’s wetlands and watersheds that form the historic headwaters for the river.

The Army Corps of Engineers (ACOE) and the South Florida Water Management District (SFWMD) are partners on this project, with the SFWMD leading the effort on much of the LRWRP components.

At our meeting, Jennifer Leeds, Bureau Chief for Ecosystem Restoration Planning at the SFWMD, will update the Board about the exciting addition of this project to the integrated delivery schedule (an important step) and on the forthcoming work.

Alternative 5R

1. **Kitching Creek (Restoration/hydration):** (Spreader canal; weir/plug (Jenkins Ditch)
2. **Moonshine Creek (MC) & Gulfstream East (GE) Restoration:** Connect HSLCD ditch to MC; clear MC vegetation; weir in Hobe Grove Ditch; grade area to historic topography
3. **Cypress Creek Canal (CCC)(Reduce over-drainage):** Replace CCC weir to raise control elevation, raise berm at Ranch Colony, automate twin 84” culverts; pump and spreader swale; regrade CC southern forks
4. **Gulfstream West (GW)(Restoration & reduce over- drainage):** Partial backfill & relocate southern end of HSLCD canal; small pump, construct flow through marsh to attenuate flows
5. **Pal-Mar East (Restoration & Connectivity):** Plug ditches; remove pipes; improve northern berm; construct western berm improve eastern berm; pumps at Thomas Farm to redirect drainage to GW flow- redirect drainage to GW flow-through marsh via north Nine-Gems Canal
6. **C-18W Reservoir (9,500 ac-ft. & 4 ASR wells):** Above ground reservoir; inflow pump, discharge structure; seepage control; M-O canal connector and pump
7. **G-160 Structure (Reduce over-drainage):** Improve hydroperiod in Loxahatchee Slough
8. **G-161 Structure (Connectivity):** GWP water to Loxahatchee Slough
9. **GWP Triangle (Connectivity):** Grade and reconnect
10. **M-1 Pump Station (conveyance):** Deliver lower M-1 basin water to M-Canal, GWP and G-161



LOXAHATCHEE RIVER DISTRICT'S EXECUTIVE DASHBOARD



| Stewardship | | Pre-Treatment | Collection & Transmission | | Wastewater Treatment | | | Reclaimed Water | EHS | General Business | | | | | | River Health | | |
|------------------------------------|-------------|--------------------------------|---------------------------------|-------------------------------------|--------------------------|-------------------|-------------------------------------|-----------------------------|-------------------------------|------------------|---|--------------------|------------------|--|----------------------|-------------------------|-------------------------------------|---------------------|
| # People educated at RC | | Grease Interceptor Inspections | Customer Service | Unauthorized Discharge of Sewage | Mean Daily Incoming Flow | Permit exceedance | NANO Blend to Reuse (@ 511) | Delivery of Reclaimed Water | Employee Safety | Cash Available | Revenue (excluding assessment & capital contrib.) | Operating Expenses | Capital Projects | | | Minimum Flow Compliance | Salinity @ NB seagrass beds | River Water Quality |
| Units | % of Target | % requiring pump out | # blockages with damage in home | Gallons; # impacting surface waters | million gallons/day | # occurrences | Max Specific Conductance (umhos/cm) | # days demand not met | # of OSHA recordable injuries | \$ | % of Budget | % of Budget | % within budget | average # days ahead (behind) schedule | # Days MFL Violation | % | Fecal Coliform Bacteria (cfu/100ml) | |
| Green Level | ≥ 90% | ≤ 15 | Zero | <704; 0 | < 7.7 | Zero | <1542 | <2 | Zero | ≥ \$9,894,657 | ≥ 95% | ≥ 85% but ≤ 105% | ≥80% | ≥ (30) | 0 | min ≥ 20 ‰ | ≤ 1 site > 200 | |
| Yellow | < 90% | ≤ 25 | 1 | ≤1,500; 0 | < 8.8 | 1 | ≤1875 | ≥ 2 | - | < \$9,894,657 | ≥ 90% | ≥ 80% | ≥60% | < (30) | 1 | min ≥ 10 ‰ | ≤ 3 sites >200 | |
| Red | <75% | > 25 | ≥ 2 | >1,500; ≥1 | ≥ 8.8 | ≥ 2 | >1875 | ≥ 9 | ≥ 1 | < \$5,557,057 | < 90% | < 80% or > 105% | < 60% | < (60) | ≥ 2 | min < 10 ‰ | ≥ 4 sites > 200 | |
| 2018 Baseline | 112% | 8 | 0 | 1,606 | 6.8 | 0 | 1,216 | 1 | 0.4 | \$ 33,683,858 | 99% | 85% | 95% | | 42 | 23.1 | 1 > 200 | |
| 2019 Baseline | 100% | 9 | 1 | 8,022 | 6.8 | 0 | 1,229 | 1 | 0.3 | \$ 35,137,006 | 100% | 89% | 95% | | 2 | 22.9 | 1 > 200 | |
| 2020 Baseline | 34% | 8 | 0 | 3,292 | 7.2 | 0 | 1,183 | 1 | 0.3 | \$ 35,350,661 | 100% | 90% | 91% | -15 | 7 | 14.6 | 2 > 200 | |
| 2020 | | | | | | | | | | | | | | | | | | |
| Oct | 19% | 11 | 0 | 4,610; 0 | 7.7 | 0 | 1,156 | 0 | 0 | \$ 35,398,326 | 93% | 94% | 100% | (12) | 0 | 4.1 | 2 > 200 | |
| Nov | 48% | 27 | 0 | 603; 0 | 7.6 | 0 | 991 | 0 | 0 | \$ 37,051,051 | 94% | 87% | 100% | (15) | 0 | 2.5 | 2 > 200 | |
| Dec | 44% | 14 | 0 | 152; 0 | 7.3 | 0 | 1,051 | 0 | 0 | \$ 37,259,395 | 102% | 92% | 100% | (19) | 0 | 18.3 | 5 > 200 | |
| 2021 | | | | | | | | | | | | | | | | | | |
| Jan | 50% | 27 | 1* | 642; 0 | 7.4 | 0 | 1,134 | 0 | 0 | \$ 37,037,535 | 100% | 88% | 100% | (19) | 0 | 21.7 | 0 > 200 | |
| Feb | 65% | 30 | 0 | 5,457; 3 | 7.4 | 0 | 1,483 | 0 | 0 | \$ 39,492,533 | 99% | 84% | 83% | (20) | 0 | 31.7 | 3 > 200 | |
| Mar | 99% | 14 | 1 | 40; 0 | 7.3 | 0 | 1,467 | 0 | 0 | \$ 39,571,784 | 98% | 83% | 75% | (25) | 0 | 32.6 | 0 > 200 | |
| Apr | 134% | 27 | 0 | 1,000; 1 | 7.3 | 1 | 1,392 | 0 | 0 | \$ 39,702,370 | 97% | 87% | 76% | (19) | 5 | 32.2 | 1 > 200 | |
| May | 92% | 12 | 0 | 612; 1 | 6.9 | 0 | 1,362 | 4 | 1 | \$ 41,642,323 | 96% | 86% | 76% | (15) | 0 | 32.1 | 1 > 200 | |
| June | 142% | 9 | 0 | 8; 0 | 6.7 | 0 | 1,404 | 16 | 0 | \$ 41,162,307 | 95% | 88% | 76% | (17) | 0 | 32.0 | 3 > 200 | |
| July | 205% | 10 | 0 | 266; 0 | 6.6 | 0 | 1,336 | 0 | 0 | \$ 40,444,121 | 95% | 94% | 76% | (27) | 0 | 27.2 | 2 > 200 | |
| Aug | 160% | 14 | 1 | 2,060; 0 | 6.9 | 0 | 1,243 | 0 | 0 | \$ 42,047,326 | 95% | 89% | 76% | (42) | 0 | 16.9 | 5 > 200 | |
| Sept | 192% | 11 | 0 | 357; 0 | 6.8 | 0 | 1,300 | 1 | 0 | \$ 40,450,479 | 95% | 86% | 76% | (61) | 0 | 17.2 | 6 > 200 | |
| Oct | 77% | 18 | 0 | 1050; 1 | 7.0 | 0 | 1,221 | 0 | 0 | \$ 40,516,049 | 94% | 100% | 79% | (55) | 0 | 19.3 | 6 > 200 | |
| Consecutive Months at Green | 0 | 0 | 2 | 1 | 149 | 6 | 133 | 4 | 5 | 146 | 0 | 7 | 0 | 0 | 6 | 0 | 0 | |
| Metric Owner | O'Neill | Pugsley | Dean | Dean | Pugsley | Pugsley | Pugsley | Dean | Bains | Fraraccio | Fraraccio | Fraraccio | Dean | Dean | Howard | Howard | Howard | |

Metric

- Stewardship
- Grease Interceptors
- Unauthorized Discharges
- Revenues
- Capital Projects (\$)
- Capital Projects (time)
- Salinity
- River Water Quality

Explanation

With the onset of COVID shutdowns we had reduced our targets to reflect COVID constraints (e.g., reduced capacity). This month we have increased our targets to 85% of pre-COVID levels, because things are returning to a more normal condition. While things are improving, PBC schools have not reinstated field trips to pre-COVID norms. While we are filling our field trip slots with private schools and homeschool groups, these groups have been smaller than we would normally see from the PBC school system.

20 out of 112 inspected grease interceptors required pump out. An assessment of the history of the interceptors requiring pump out did not reveal any chronic compliance issues with these units. It appears that the conservative nature of our pump out requirements (i.e., 6-inches of grease) are serving our intended purpose.

Three unauthorized discharges of sewage resulted in 1,051 gallons of sewage being spilled. The largest spill (1,000 gallons) occurred at Lighthouse Plaza due to a gravity main that was blocked by grease. A 50 gallon spill occurred due to a blocked gravity service latera. A 0.25 gallon spill occurred from a faulty air release valve. See Kris' report for more info.

Revenues are slightly below our target threshold due to straightline projecting. We expect this metric will be green by December.

Our capital projects budget metric has improved marginally (almost green) because we completed the Odor Control Study and began several new projects. Staff anticipate this metric returning to green in January 2022.

Our capital project schedule metric has improved marginally (moved from red to yellow) because we completed the Odor Control Study and began several new projects. Staff anticipate this metric returning to green in January 2022.

The watershed received over 6 inches of rainfall, and the associated stormwater runoff depressed salinity levels below optimal conditions for seagrasses in downstream portions of the estuary.

High fecal coliform bacteria (>200 cfu/100 ml) were observed at Sites 100 (Cypress Creek mouth), 72 (SW Fork @ Lox River Rd bridge), 67 (NW Fork @ Trapper Nelson's dock), 65 (Kitching Creek mouth), 62 (NW Fork @ Island Way Bridge) and 60 (NW Fork upstream of Penock Point). See Bud's report for additional details.



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

MEMORANDUM

Gordon M. Boggie
CHAIRMAN

TO: Governing Board
FROM: Administration Staff
DATE: November 18, 2021
SUBJECT: Consent Agenda

Stephen B. Rockoff
BOARD MEMBER

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.

Dr. Matt H. Rostock
BOARD MEMBER

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

James D. Snyder
BOARD MEMBER

- A. Final Assessment SE Hobart Street – to approve final assessment
- B. Master Lift Station Traveling Bridge Crane – to award construction contract
- C. Injection Well Pump Station Manual Transfer Switch Addition – to award construction contract
- D. Initiate Sewer Service Charges Policy – to approve updates
- E. Discontinue Sewer Service Charges Policy – to approve updates
- F. Fixed Asset Disposal – to approve disposal
- G. Change Orders to Current Contracts – 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 November 18, 2021 as presented.”

2500 Jupiter Park Drive
Jupiter, Florida 33458

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

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Water Reclamation - Environmental Education - River Restoration

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November 1, 2021

D. Albrey Arrington, Ph.D., Executive Director
Loxahatchee River Environmental Control District
2500 Jupiter Drive
Jupiter, Florida 33458-8964

Re: Resolution 2021-18 and FINAL Assessment Roll for SE HOBART STREET

Dear Albrey:

Attached to this letter is Transfer of Property Lien, Resolution 2021-18, Exhibit "A" Final Assessment Roll, Exhibit B Map, and the most recent list of property owners, as part of the Resolution.

A SUGGESTED MOTION for the Board at the November 18, 2021 meeting is as follows:
"THAT THE GOVERNING BOARD approve Resolution 2021-18 adopting the
SE HOBART STREET FINAL Assessment Roll and Exhibits."

Sincerely,

Curtis L. Shenkman

Curtis L. Shenkman

RESOLUTION NO. 2021-18

A RESOLUTION OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT RELATING TO THE **SE HOBART STREET** ASSESSMENT AREA IMPROVEMENTS; ADOPTING THE ASSESSMENT ROLL FOR **SE HOBART STREET** ASSESSMENT AREA IMPROVEMENTS; CONFIRMING SAID SPECIAL ASSESSMENT ROLL AS ATTACHED HERETO AS EXHIBITS “A” AND “B”; PROVIDING FOR ELLIS RULE COMPLIANCE; PROVIDING FOR DECLARING LINE AVAILABLE FOR CONNECTION; PROVIDING THE SPECIAL ASSESSMENTS SHALL BE COLLECTED AS NON-AD VALOREM SPECIAL ASSESSMENTS ON THE REAL ESTATE TAX BILL; AUTHORIZING THE DISTRICT CLERK TO PREPARE AND DELIVER THE NON-AD VALOREM SPECIAL ASSESSMENT ROLL TO THE PALM BEACH COUNTY AND MARTIN COUNTY PROPERTY APPRAISERS, TAX COLLECTORS, AND FLORIDA DEPARTMENT OF REVENUE; PROVIDING FOR CONSISTENCY; PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Governing Board of the Loxahatchee River Environmental Control District (hereinafter called the “District”) has authorized the sewer improvements constructed in the **SE HOBART STREET** Assessment Area; and

WHEREAS, The District’s previous Resolutions **2019-09 & 2021-17** were approved by the District’s Governing Board and directed the preparation of the Assessment Roll.

WHEREAS, the Governing Board, on the 18th day of NOVEMBER, 2021 at 6:55 P.M., sat as Board of Adjustment as provided in District Rule 31-11.005, and held the Public Hearings under Florida Statutes Chapter 197.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE DISTRICT THAT:

Section 1. The Governing Board confirms the Special Assessment Roll attached hereto as Exhibits “A” and “B” without further modification. The unit of measurement for each assessment area is that each parcel is assessed equally.

Section 2. The Special Assessment is in compliance with the “Ellis Rule” requirement of District Rule 31-10.011, and Resolution Nos. **2019-09 & 2021-17** of the District.

Section 3. In accordance with District Rule Chapter 31-11, and Florida Statutes Chapter 197, said Special Assessment Liens shall remain liens co-equal with the lien of all State, County, District and Municipal taxes, superior in dignity to all other liens, titles, and claims, until paid. Any failure to so pay these non-ad valorem Special Assessments shall be a default hereunder and will cause a tax certificate to be issued against the property which may result in a loss of title.

RESOLUTION 2021-18
Loxahatchee River Environmental Control District

Section 4. Availability for Connection and Required Connection.

The waste water and sewerage system was “Available” for connection in accordance with District Rule 31-3.003(3) and Florida Statutes 381.0065(2)(a) when the Florida Department of Health released the system for service on October 19, 2021, which is the date of actual “Availability”. In accordance with Florida Statutes 381.00655, the affected property owners shall be required to connect to the sewerage system within one (1) year of the actual Availability.

Section 5. The **District Clerk, as the designee of the chairman** of the Governing Board, is **directed to certify the non-ad valorem assessment roll, on a compatible electronic medium tied to the property identification number** and deliver it to the tax collector by September 15 of each year, or as otherwise provided for in the agreements with the tax collector. The certification shall be made on **Form DR-408A**.

Section 6. All Resolutions or parts of Resolutions in conflict herewith are hereby repealed to the extent of such conflict.

Section 7. This Resolution shall become effective upon its passage and adoption.

PASSED AND ADOPTED BY THE GOVERNING BOARD OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, THIS 18th day of NOVEMBER, 2021.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT:

VOTE

GORDON M. BOGGIE

STEPHEN B. ROCKOFF

DR. MATT H. ROSTOCK

JAMES D. SNYDER

EXHIBIT "A"
FINAL ASSESSMENT ROLL
LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
SE HOBART STREET ASSESSMENT AREA

TOTAL COSTS AND EXPENSES RELATED TO THE IMPROVEMENTS. The District shall consider the **total** costs and expenses related to the improvements in the **SE HOBART STREET** Assessment Area shall be **\$7,778.95** per parcel of property in the **SE HOBART STREET** Area.

APPORTIONMENT OF COSTS BETWEEN THE DISTRICT AND THE PROPERTY OWNERS. The District shall pay from the District's general funds ten percent (10%) of the total cost to the District of construction, reconstruction, labor, materials, acquisition, or property rights, surveys, design, engineering, and legal fees, administration expenses, and all other expenses necessary or incidental to completion of the specially assessed improvement and each lot or parcel of land subject to this special assessment shall be responsible for ninety percent (90%) of the total cost.

ASSESSMENT BASED ON PARCEL OF PROPERTY. Each Parcel of Property in the **SE HOBART STREET** Assessment Area identified on EXHIBIT "B" shall be currently assessed in the amount of **\$7,001.05**.

PAYMENT OF ASSESSMENT. As to Parcels of **SE HOBART STREET** Assessment Area Property in EXHIBIT "B", the **\$7,001.05** assessment may be paid, interest free, at the office of the District on or before May 1, 2023.

Owners who do not pay the \$7,001.05 assessment on or before May 1, 2023 shall have the \$7,001.05 principal added to the tax roll as a non-ad valorem assessment to accrue interest, beginning October 1, 2022, at five and twenty-five hundredth percent (5.25%) per annum, to be collected in twenty (20) equal annual installments of \$573.75, commencing with the November 1, 2023 Real Estate Tax Bill.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

By: _____
D. Albrey Arrington, District Clerk, Executive Director

RETURN TO:
Loxahatchee River District
2500 Jupiter Park Drive
Jupiter, FL 33458

**TRANSFER OF PROPERTY LIEN TO NON-AD
VALOREM TAX BILL & CERTIFICATION OF SPECIAL
ASSESSMENT ROLL FOR SE HOBART STREET SPECIAL ASSESSMENTS**

THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, a special district of the State of Florida created and existing pursuant to Chapter 2002-358, Laws of Florida (the "District"), gives public notice that the District's Governing Board as of and effective on the 18th day of NOVEMBER, 2021, passed Resolution 2021-18 which is attached hereto, approving the non-ad valorem tax bill, AND TRANSFERRING THE RECORDED LIEN ON PROPERTIES IDENTIFIED AS BEING PART OF THE **SE HOBART STREET** AREA LISTED IN THE FOLLOWING DOCUMENTS, as recorded in the Public Records of **MARTIN** County, Florida:

1. Pending Lien Notice of Intent to Assess, and Resolution **2019-09**, recorded on **September 20, 2019** in **Official Record Book 3083, Pages 2656 through 2662** in the **Public Records of MARTIN County, Florida.**

Any inquiries as to payment of special assessments should be directed to:

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
2500 Jupiter Park Drive
Jupiter, Florida 33458
(561) 747-5700

IN WITNESS WHEREOF, the undersigned, Executive Director of the Loxahatchee River Environmental Control District, hereby certifies on NOVEMBER 18, 2021, the information contained herein is true and accurate.

WITNESSES:

LOXAHATCHEE RIVER ENVIRONMENTAL
CONTROL DISTRICT

By: _____

D. Albrey Arrington, Ph.D.
Executive Director

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me by means of X physical presence or ___ online notarization on November 18, 2021, by D. Albrey Arrington, Ph.D., EXECUTIVE DIRECTOR of the LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, a special district of the State of Florida, on behalf of the District, who is personally known to me.

(Notary Seal)

NOTARY PUBLIC, STATE OF FLORIDA

Mr. Jason Buckles Tr
10818 SE Hobart St
Tequesta FL 33469
re: 10818 SE Hobart St
24-40-42-003-000-00271-7

Mr. & Mrs. James Matthews
10808 SE Hobart St
Tequesta FL 33469
re: 10808 SE Hobart St
24-40-42-003-000-00280-6

Mr. Wayne Searson
10858 SE Hobart St
Tequesta FL 33469
re: 10858 SE Hobart St
24-40-42-003-000-00300-2

Ms. Sheila Preble
10868 SE Hobart St
Tequesta FL 33469
re: 10868 SE Hobart St
24-40-42-003-000-00320-8

Mr. & Mrs. Michael Cappello
10880 SE Linden St
Tequesta FL 33469
re: 10880 SE Hobart St
24-40-42-003-000-00340-4

Ms. Carolyn Bell
10898 SE Hobart St
Tequesta FL 33469
re: 10898 SE Hobart St
24-40-42-003-000-00350-1

Mr. Jack Zillessen
10908 SE Hobart St
Tequesta FL 33469
re: 10908 SE Hobart St
24-40-42-003-000-00360-9

Ms. Mary Macchia
10907 SE Hobart St
Tequesta FL 33469
re: 10907 SE Hobart St
24-40-42-003-000-00400-1

Ms. Lisa Anthony
10897 SE Hobart St
Tequesta FL 33469
re: 10897 SE Hobart St
24-40-42-003-000-00430-5

10877 SE Hobart St LLC
10877 SE Hobart St
Tequesta FL 33469
re: 10877 SE Hobart St
24-40-42-003-000-00450-0

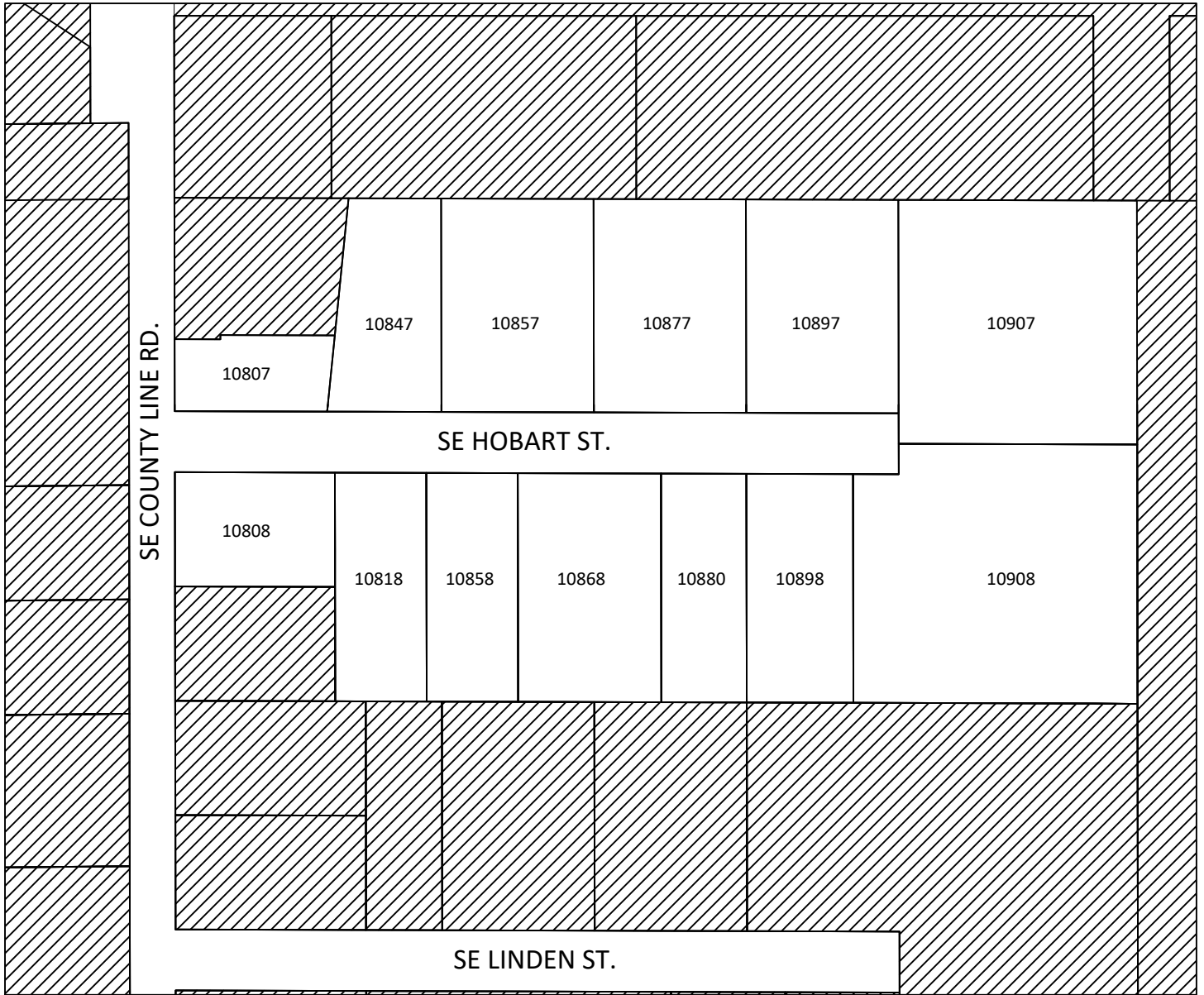
Property Owner
10857 SE Hobart St
Tequesta FL 33469
re: 10857 SE Hobart St
24-40-42-003-000-00470-6

Mr. & Mrs. Daniel Clark
257 Green Haven Dr
Elkton MD 21921
re: 10847 SE Hobart St
24-40-42-003-000-00490-2

Mr. & Mrs. Cory Bowman
10807 SE Hobart St
Tequesta FL 33469
re: 10807 SE Hobart St
24-40-42-003-000-00500-0

EXHIBIT "B"

SE HOBART STREET LOW PRESSURE SEWER SYSTEM ASSESSMENT AREA



LEGEND

NOT IN ASSESSMENT AREA

MARTIN COUNTY

8/22/2019



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

Gordon M. Boggie
CHAIRMAN

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

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

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

DATE: November 18, 2021

SUBJECT: Master Lift Station Traveling Bridge Crane
/N21004 – Award Construction Contract

This project installs an overhead traveling bridge crane in the dry pit of the master lift station. The crane will provide a means to lift valves, piping, motors and pumps installed in the stations dry pit and lay them down in a laydown area to be removed from the dry pit via an existing gantry crane located on the ground floor. Installation of this crane will ensure a safe, reliable method for providing critical maintenance and replacement of equipment in the dry pit.

Holtz Consulting Engineer's recommendation of award and bid details are attached, recommending award to Boromei, Construction, Inc.

Staff recommend the following motion:

"THAT THE DISTRICT GOVERNING BOARD award the Master Lift Station Traveling Bridge Crane contract to Boromei Construction, Inc. in the amount of \$188,184.00 and a contingency in the amount of \$18,818.00."

**2500 Jupiter Park Drive
Jupiter, Florida 33458**

TEL: (561) 747-5700

FAX: (561) 747-9929

loxahatcheeriver.org

Water Reclamation - Environmental Education - River Restoration



November 10, 2021

Mr. Kris Dean, PE
Deputy Executive Director/Director of Engineering Services
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, FL 33458

**Subject: Master Lift Station Traveling Bridge Crane- ITB#21-009-00108
Recommendation of Award to Boromei Construction, Inc.**

Dear Mr. Dean,

On November 4, 2021, at 2:00 p.m. bids were opened for the referenced project. There were (3) three bids accepted for the project as follows:

| Bidder | Total Bid Amount | Acknowledged Addenda? | Included Original Bid Security? | Attended Mandatory Pre-Bid Meeting? |
|--|------------------|-----------------------|---------------------------------|-------------------------------------|
| Selek Engineering Consultants and Associates, Inc. | \$97,500.00 | Y | Y | Y |
| Hinterland Group, Inc. | \$179,600.00 | Y | N | Y |
| Boromei Construction, Inc. | \$188,184.00 | Y | Y | Y |

The bids were reviewed by Holtz Consulting Engineers, Inc. (HCE) to evaluate whether the bids were responsive to the bid submittal requirements. The apparent low bidder was Selek Engineering Consultants and Associates, Inc. with a Total Bid Amount of \$97,500.00. Their bid was reviewed and did not provide responses under Proposal, Article 2a, Items 4.3 and 4.5, which notes on the proposal form for both items that it must be filled out or the Bid may be considered non-responsive. We therefore consider the bid submitted by Selek Engineering Consultants and Associates, Inc. to be non-responsive. The apparent second low bidder, Hinterland Group, Inc. is also considered to be non-responsive since they did not provide their original bid security per District requirements.

Boromei Construction, Inc. was the third bidder with a bid in the amount of \$188,184.00. Their bid was reviewed and included the required bid bond in the amount of ten percent of their bid from an acceptable surety company according to the US Department of Treasury. The other forms and information required to be submitted with their bid appear to be in order. We therefore consider the bid submitted by Boromei Construction, Inc. to be responsive.



HOLTZ CONSULTING ENGINEERS, INC

Based upon reference checks, Boromei Construction Inc. has successfully completed other wastewater municipal projects and their subcontractor Material Handling Systems, Inc. has successfully furnished and installed numerous cranes at South Florida wastewater treatment facilities and pump stations. Boromei Construction, Inc. is a corporation in good standing with the Florida Department of State Division of Corporations. We therefore consider Boromei Construction, Inc. to be a responsible bidder.

Based on the above information, Holtz Consulting Engineers, Inc. considers Boromei Construction, Inc. to be the low responsive and responsible bidder and recommends that they be awarded the contract for the Master Lift Station Traveling Bridge Crane project in the Total Bid Amount of \$188,184.00.

Sincerely,
HOLTZ CONSULTING ENGINEERS, INC.

A handwritten signature in blue ink, appearing to read 'Christine Miranda', is written over a light blue horizontal line.

Christine Miranda, PE
Principal Engineer



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

Gordon M. Boggie
CHAIRMAN

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

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

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

DATE: November 18, 2021

SUBJECT: Injection Well Pump Station Manual Transfer
Switch Addition/N21009 – Award Construction
Contract

This project is the next step in a series of upgrades to the injection well pump station. This upgrade will remove existing pad mounted harmonic filters and provide manual transfer switches for each of the 4 injection well pumps. The manual transfer switches will allow for connection of an emergency generator to each injection well pump station drive and provide the final level of redundant standby power to the station.

Holtz Consulting Engineer's recommendation of award and bid details are attached, recommending award to Zabatt Engine Services, Inc.

Previous upgrades include replacement of the vertical turbine pumps, discharge heads, variable frequency drive units and electrical service disconnects. Ongoing upgrades include conversion of the original open drip proof motors to total enclosed fan cooled motors. The total estimated cost of all upgrades is \$870,000.00 and scheduled for completion this fiscal year.

Staff recommend the following motion:

“THAT THE DISTRICT GOVERNING BOARD award the Injection Well Pump Station Manual Transfer Switch Addition contract to Zabatt Engine Services, Inc. in the amount of \$186,160.56 and a contingency in the amount of \$18,616.00.”

2500 Jupiter Park Drive
Jupiter, Florida 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

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HOLTZ CONSULTING ENGINEERS, INC

November 5, 2021

Mr. Kris Dean, PE
Deputy Executive Director/Director of Engineering Services
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, FL 33458

**Subject: Injection Well Pump Station Manual Transfer Switch Additions - ITB#21-011-00111
Recommendation of Award to Zabatt Engine Services, Inc.**

Dear Mr. Dean,

On October 29, 2021, at 2:00 p.m. bids were opened for the referenced project. There were (2) two bids accepted for the project as follows:

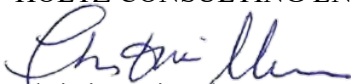
| Bidder | Total Bid Amount | Acknowledged Addenda? | Included Original Bid Security? |
|------------------------------|------------------|-----------------------|---------------------------------|
| Zabatt Engine Services, Inc. | \$186,160.56 | N/A | Y |
| Hinterland Group, Inc. | \$224,830.00 | N/A | Y |

The bids were reviewed by Holtz Consulting Engineers, Inc. (HCE) to evaluate whether the bids were responsive to the bid submittal requirements. The apparent low bidder was Zabatt Engine Services, Inc. with a Total Bid Amount of \$186,160.56. Their bid was reviewed and included the required bid bond in the amount of ten percent of their bid from an acceptable surety company according to the US Department of Treasury. The other forms and information required to be submitted with their bid appear to be in order. We therefore consider the bid submitted by Zabatt Engine Services, Inc. to be responsive.

Based upon reference checks, Zabatt Engine Services, Inc. has successfully completed multiple electrical installation projects in Florida, including over 70 wastewater plant and lift station generator projects for Jacksonville Electric Authority. Zabatt Engine Services, Inc. will self-perform all of the work for this project. Zabatt Engine Services, Inc. is a corporation in good standing with the Florida Department of State Division of Corporations. We therefore consider Zabatt Engine Services, Inc. to be a responsible bidder.

Based on the above information, Holtz Consulting Engineers, Inc. considers Zabatt Engine Services, Inc. to be the low responsive and responsible bidder and recommends that they be awarded the contract for the Injection Well Pump Station Manual Transfer Switch Additions project in the Total Bid Amount of \$186,160.56.

Sincerely,
HOLTZ CONSULTING ENGINEERS, INC.


Christine Miranda, PE
Principal Engineer

Cc: Jason Pugsley, PE, LRD

LRD Injection Well Pump Station Manual Transfer Switch Additions
Bid Tabulation
 October 29, 2021

| | | | | Zabatt Engine Services, Inc. | | Hinterland Group, Inc. | |
|-------------------------|---|----------|------|------------------------------|-------------|------------------------|-------------|
| ITEM NO. | ITEM | QUANTITY | UNIT | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT |
| 1 | Mobilization/Demobilization | 1 | LS | \$8,599.30 | \$8,599.30 | \$14,000.00 | \$14,000.00 |
| 2 | Permits, Licenses, & Fees | 1 | LS | \$2,000.00 | \$2,000.00 | \$1,500.00 | \$1,500.00 |
| 3 | Record Drawings | 1 | LS | \$700.00 | \$700.00 | \$3,500.00 | \$3,500.00 |
| 4 | Preconstruction Video | 1 | LS | \$1,000.00 | \$1,000.00 | \$1,400.00 | \$1,400.00 |
| 5 | 4" Rigid | 40 | LF | \$32.95 | \$1,318.00 | \$95.00 | \$3,800.00 |
| 6 | 4" PVC | 20 | LF | \$11.76 | \$235.20 | \$52.00 | \$1,040.00 |
| 7 | 2" Flex | 40 | LF | \$5.88 | \$235.20 | \$30.00 | \$1,200.00 |
| 8 | 4" LB | 4 | EA | \$195.29 | \$781.16 | \$460.00 | \$1,840.00 |
| 9 | 4" Hub | 8 | EA | \$117.65 | \$941.20 | \$150.00 | \$1,200.00 |
| 10 | 2" Flex Connector | 16 | EA | \$4.70 | \$75.20 | \$75.00 | \$1,200.00 |
| 11 | 1/C #500 KCM | 560 | LF | \$37.76 | \$21,145.60 | \$32.00 | \$17,920.00 |
| 12 | 1/C #3/0 AWG | 190 | LF | \$16.33 | \$3,102.70 | \$9.00 | \$1,710.00 |
| 13 | #3 AWG | 140 | LF | \$8.16 | \$1,142.40 | \$6.00 | \$840.00 |
| 14 | #6 AWG | 40 | LF | \$4.29 | \$171.60 | \$12.00 | \$480.00 |
| 15 | SS Equipment Rack | 4 | EA | \$1,176.47 | \$4,705.88 | \$2,900.00 | \$11,600.00 |
| 16 | SS NEMA 4X Fusible Manual Transfer Switch | 4 | EA | \$17,313.82 | \$69,255.28 | \$21,000.00 | \$84,000.00 |
| 17 | Aux Plug | 8 | EA | \$1,855.96 | \$14,847.68 | \$1,900.00 | \$15,200.00 |
| 18 | Fuses | 24 | EA | \$588.09 | \$14,114.16 | \$900.00 | \$21,600.00 |
| 19 | Demolition Electrical Equipment | 1 | LS | \$4,320.00 | \$4,320.00 | \$7,200.00 | \$7,200.00 |
| 20 | Demolition Concrete | 1 | LS | \$4,320.00 | \$4,320.00 | \$7,200.00 | \$7,200.00 |
| 21 | Trenching | 1 | LS | \$1,500.00 | \$1,500.00 | \$5,900.00 | \$5,900.00 |
| 22 | 6" Concrete Pad | 1 | LS | \$2,150.00 | \$2,150.00 | \$3,800.00 | \$3,800.00 |
| 23 | Grounding | 1 | LS | \$1,000.00 | \$1,000.00 | \$2,000.00 | \$2,000.00 |
| 24 | Miscellaneous Materials & Restoration | 1 | LS | \$25,000.00 | \$25,000.00 | \$7,000.00 | \$7,000.00 |
| 25 | Updated Electrical and Arc Flash Study | 1 | LS | \$3,500.00 | \$3,500.00 | \$7,700.00 | \$7,700.00 |
| Total Bid Amount | | | | \$186,160.56 | | \$224,830.00 | |



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

Gordon M. Boggie
CHAIRMAN

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

MEMORANDUM

To: Albrey Arrington, Ph. D., Executive Director
From: Bud Howard, Director of Information Services
Date: November 9, 2021
Subject: Initiate Sewer Service Charges Policy Update

This is a request for the Board's approval of the Initiate Sewer Service Charges Policy as part of our routine review and update of our Customer Service policies.

In June 2017, the District's Governing Board approved the original policy that clarifies the conditions and criteria for the initiating quarterly sewer service charges. As part of our periodic review and update of this policy we are revising the format to our standard policy form and providing some minor clarifications, definitions and edits as shown in the attached.

Staff offers the following motion for consideration:

"THAT THE DISTRICT GOVERNING BOARD approves the attached revised Initiate Sewer Service Charges Policy with an effective date of November 19, 2021 ."


**2500 Jupiter Park Drive
Jupiter, Florida 33458**

TEL: (561) 747-5700

FAX: (561) 747-9929

loxahatcheeriver.org

Water Reclamation - Environmental Education - River Restoration

| | | | |
|---|-----------------------------------|-------------------|-----------------|
|  | LOXAHATCHEE RIVER DISTRICT | Doc No: | LRD-POL-IS-3.00 |
| | | Effective Date: | 6/1/2017 |
| | | Revision History: | 11/18/2021 |
| Author: Bud Howard, Albrey Arrington | | Revision No.: | 1 |
| | | Expiration Date: | None |
| Issuing Department: Customer Service | | Page: | Page 1 of 1 |

INITIATE SEWER SERVICE CHARGES POLICY

Purpose

To clarify the process to initiate sewer services charges

Policy

Sewer service is generally provided to a property through one of the following processes: 1) the property is granted a Certificate of Occupancy following new construction or major renovation, 2) sewer service made available by the District (ex. Neighborhood Sewering), 3) the addition of a toilet(s) through minor construction/renovation, or 4) discovery of an unbilled account.

Definitions

- A. **Quarterly Service Charge – The periodic charge for sewer services as set forth in Rule 31-10.**
- B. The District’s Billing Quarters are:
 - Q1 – January through March; Q2 – April through June;
 - Q3 – July through September; Q4 – October through December

Relevant Policies:

- A. **Sewer Service Abatement Policy - LRD-POL-IS-4.00**
- B. **End Sewer Service Charges – LRD-POL-IS- 7.00**

Relevant Procedures

1. Sewer service charges shall begin the Billing Quarter *immediately following* the date of:
 - a. Certificate of Occupancy;
 - b. District inspection of a new connection (Neighborhood Sewering);
 - i. Or 12 months following the Notice of Sewer Availability if not connected;
 - c. Owner notification of toilet addition, or municipal/county plumbing inspection;
 - d. As set forth in the terms of a Standard Developer Agreement; or,
 - e. Discovery of an unbilled account.
2. **The process for sewer connection is detailed in the Sewer Connection Procedures (Engineering).**

Applicability

Customer Service, Engineering.

Policy Questions

Questions regarding this policy should be directed to the author(s) listed above.

Authority: Chapter 31-10

Date Approved by Governing Board: 11/18/2021



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

MEMORANDUM

Gordon M. Boggie
CHAIRMAN

To: Albrey Arrington, Ph. D., Executive Director
From: Bud Howard, Director of Information Services
Date: November 9, 2021
Subject: Sewer Service Abatement Policy Update

Stephen B. Rockoff
BOARD MEMBER

This is a request for the Board's approval of the Sewer Service Abatement Policy as part of our routine review and update of our Customer Service policies.

Dr. Matt H. Rostock
BOARD MEMBER

In June 2017, the District's Governing Board approved the original Discontinue Sewer Services Charges policy that clarifies the conditions and criteria to discontinue sewer service and quarterly charges. As part of our periodic review and update of this policy we are revising the format to our standard policy form and providing some minor clarifications, definitions and edits as shown in the attached.

James D. Snyder
BOARD MEMBER

We propose renaming this policy to the Sewer Service Abatement policy to differentiate this (usually) temporary abatement of sewer service and charges from the District's End Sewer Service policy, which explains the end of sewer charges typically associated with property ownership change.

Staff offers the following motion for consideration:

"THAT THE DISTRICT GOVERNING BOARD approves the attached revised Sewer Service Abatement Policy with an effective date of November 19, 2021 ."


**2500 Jupiter Park Drive
Jupiter, Florida 33458**

TEL: (561) 747-5700

FAX: (561) 747-9929

loxahatcheeriver.org

Water Reclamation - Environmental Education - River Restoration

| | | | |
|---|-----------------------------------|-------------------|-----------------|
|  | LOXAHATCHEE RIVER DISTRICT | Doc No: | LRD-POL-IS-4.00 |
| | | Effective Date: | 6/1/2017 |
| | | Revision History: | 11/18/2021 |
| Author: Bud Howard, Albrey Arrington | | Revision No.: | 1 |
| | | Expiration Date: | None |
| Issuing Department: Customer Service | | Page: | Page 1 of 1 |

DISCONTINUE SEWER SERVICE CHARGES ~~ABATEMENT~~ POLICY

Purpose

To clarify the process to discontinue sewer service and charges.

Policy

At the owner's request, the District may discontinue sewer **services and** charges under certain circumstances (e.g. demolition of an existing home connected to the District Sewer System) provided that the sewer service is properly disconnected and capped, and the work is inspected and approved by District staff.

Definitions

- A. **Quarterly Service Charge** – The periodic charge for sewer services as set forth Rule 31-10.

Relevant Policies

- A. **Initiate Service Charges Policy - LRD-POL-IS-3.00**
- B. **End Sewer Service Charges – LRD-POL-IS-7.00**

Relevant Procedures

1. The owner is responsible for the quarterly sewer service charges applied to the account prior to the inspection date and charges will cease ~~on the date the owner "passes" the District's disconnection inspection.~~ **the billing quarter following disconnection (ie. because quarterly billing begins the quarter following connection, it stops the quarter following inspection of disconnection by District staff).**
2. Should the property be re-developed and/or re-connected to the sewer system, the owner must coordinate with the District's Engineering Department any work associated with re-connections to sewer service. The District will reinstate sewer service billing in accordance with the Initiate Sewer Service Charges Policy. Failure to coordinate a re-connection inspection will not alleviate or annul charges (including connection, line and administrative charges, and quarterly service charges) owed from the date the property obtained certificate of occupancy.
3. **The process for sewer disconnection is detailed in the Sewer Disconnection / Cut-and-Cap Procedures (Engineering).**

Applicability

Customer Service, Engineering

Policy Questions

Questions regarding this policy should be directed to the author(s) listed above.

Authority: Chapter 31-10

Date Approved by Governing Board: 11/18/2021



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

MEMORANDUM

Gordon M. Boggie
CHAIRMAN

TO: Governing Board
FROM: Kara Fraraccio, Director of Finance and Administration
DATE: November 12, 2021
SUBJECT: Disposal of Surplus Property

Stephen B. Rockoff
BOARD MEMBER

Whenever the District disposes of tangible personal property of a non-consumable nature, Florida Statutes and our Disposal of Surplus Tangible Personal Property Policy require Governing Board approval before any Surplus Tangible Personal Property can be disposed of. Therefore, consistent with state statute and our policies and procedures, I request your authorization to dispose of the items listed below:

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

| Tag # | F/A # | Description | Condition | Date Recorded | Acquired Value | Book Value | Estimated Value |
|------------------------------------|--------|----------------|-----------------|---------------|------------------|-------------|-----------------|
| 2710 | | Dell UPS | Not Operational | 09/30/11 | | | \$ 20 |
| 2711 | OE0289 | Dell UPS | Not Operational | 09/30/11 | \$ 13,482 | \$ - | 20 |
| 2714 | | Server Rack | Operational | 09/30/11 | | | 20 |
| 2691 | OE0288 | HP MFP Scanner | Not Operational | 09/30/11 | 8,151 | - | 50 |
| 2692 | | HP MFP Plotter | Operational | 09/30/11 | | | 2,000 |
| Total Assets to be Disposed | | | | | \$ 21,633 | \$ - | \$ 2,110 |

The items listed in the schedule above are no longer of use to the District and are considered Surplus. The assets will be disposed of in accordance with the District's Disposal of Surplus Tangible Personal Property Policy.

Items slated for disposal that have remaining value will be sold on public auction or sold as scrap. Items slated for disposal that have no remaining value will be recycled or otherwise disposed of in an environmentally conscious manner.

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

I offer the following motion for your approval:

"THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property asset tag numbers 2710, 2711, 2714, 2691, and 2692 in accordance with the District's Disposal of Surplus Tangible Personal Property Policy."

2500 Jupiter Park Drive
Jupiter, Florida 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

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Water Reclamation - Environmental Education - River Restoration



Change Orders

No Change Orders are presented for Board consideration this month.



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LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

TO: D. Albrey Arrington, Ph.D., Executive Director
FROM: Kris Dean, P.E., Deputy Executive Director/
Director of Engineering Services

Gordon M. Boggie
CHAIRMAN

DATE: November 18, 2021

Stephen B. Rockoff
BOARD MEMBER

SUBJECT: Loxahatchee River Subaqueous Force Main
Replacement/R20036 – Professional Engineering
Services

Dr. Matt H. Rostock
BOARD MEMBER

In December 2020 the District placed into service the 16" aerial force main across the Loxahatchee River on the Alternate A1A/Damon Bridge. With the aerial force main in service the District was poised to pursue investigation of the 24" subaqueous pipeline crossing beneath the Loxahatchee River. The contractor mobilized in March 2021 and installed access ports on the north and south ends of the crossing and began efforts to clean the force main prior to the inspection. Efforts to complete the cleaning encountered several issues including access, excessive sand/debris, an inoperable valve and failing pipe liner. Ultimately the failing pipe liner brought the project to a halt in May 2021 as the consulting engineer and contractor sought solutions for pipe liner removal.

James D. Snyder
BOARD MEMBER

The consulting engineer completed their review of the project and liner removal options in July and issued a project status update with recommendation. Based on the understanding that an existing technology to remove the liner from the 24" subaqueous pipeline is not currently available the recommendation is to terminate the current contract and pursue alternate force main routes across the river that provide redundancy to the system.

Attached you will find a work authorization from Mock, Roos and Associates issued under the RFQ 20-001-PROFSERVICES Continuing Services Contract. This work authorization will provide preliminary engineering and a recommendation of the optimum route for a directional drill installation under the Loxahatchee River in the vicinity of the Alternate A1A/Damon Bridge.

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Water Reclamation - Environmental Education - River Restoration

Staff recommend the following motion:

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to enter into the Contract for Professional Engineering Services for the Loxahatchee River Subaqueous Force Main Replacement in the amount of \$68,115.”



MOCK • ROOS

CONSULTING ENGINEERS

November 5, 2021

Mr. Kris Dean, P.E.
Deputy Executive Director/Director of Engineering
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, FL 33458

Ref. No. C0089.00
Subject: Loxahatchee River Subaqueous Forcemain Replacement

Dear Mr. Dean:

We are submitting the attached *Proposal to Provide Professional Engineering Services for the Loxahatchee Subaqueous Forcemain Replacement*. Please review the attached proposal and return one signed copy to our office as our authorization to proceed with the Scope of Services outlined in the proposal.

We will provide the Scope of Services on an hourly basis, plus reimbursable expenses. We anticipate the total fee to provide the Scope of Services will be \$68,115.

If you have any questions, please contact me at 683-3113, extension 293. Thank you for using Mock•Roos on this project. We look forward to working with you.

Sincerely,

MOCK, ROOS & ASSOCIATES, INC.


Garry G. Gruber, P.E.
Senior Vice President

GGG:tsm

Copies: Bookkeeping

Proposal to Provide Professional Engineering Services for the Loxahatchee River Subaqueous Forcemain Replacement

Services to be provided by: Mock•Roos
Services provided to (District): Loxahatchee River Environmental Control District
Proposal Date: November 5, 2021

Proposal Terms

A. Project Understanding:

The District provides wastewater service to Jupiter, Tequesta, portions of Juno Beach, unincorporated northern Palm Beach County and unincorporated southern Martin County. The original wastewater flow from the northeast service area was collected and pumped through an existing 24" subaqueous forcemain that crossed the Loxahatchee River (River) and directed the flow south and ultimately west to the District's Wastewater Treatment Plan. The original 24" subaqueous forcemain was constructed in 1977 and removed from service in December 2020 after commissioning the 16" aerial forcemain crossing on the Alternate A1A/Damon Bridge. A subsequent evaluation determined the 24" subaqueous forcemain had experienced a liner failure that prevents it from being returned to service. Due to the criticality of this crossing, the District desires to replace the subaqueous forcemain crossing. Based on a previous hydraulic study by AECOM, a minimum 18" diameter HDPE pipe is recommended for the new River crossing.

This Preliminary Engineering and Route Study will include an evaluation of four (4) alternative subaqueous forcemain routes (horizontal and/or vertical), including:

- Route 1 – (West) From 101 Park Street, Jupiter, north under the River to the District's property on the west side of the Florida East Coast (FEC) Railroad right-of-way
- Route 2 – (West Middle) From the 15' Utility Easement on Lands End Way, north under the River to the District's property on the west side of the FEC Railroad right-of-way
- Route 3 – (East Middle) From east of the existing FEC tracks and west of Alternate A1A, north under the River to the east end of the existing District's 24" casing under FEC Railroad right-of-way
- Route 4 – (East) From the Sawfish Bay Park, either north under the River to the east side of the Alternate A1A right-of-way or a potential diagonal installation under the River and under the Alternate A1A bridge and FEC bridge to the property on the west side of the FEC Railroad right-of-way

Mock•Roos will provide services as outlined in **B. Scope of Services** below.

B. Scope of Services:

TASK 1 – DATA COLLECTION

- 1.1 Prepare aerial base exhibits based on available records provided by the District and the Palm Beach County Property Appraisers (PAPA) parcel line work for the four (4) conceptual horizontal routes.
- 1.2 Meet with District staff onsite to review the scope of the project and the four (4) conceptual horizontal routes. Confirm routes selected are desired routes to be further evaluated.
- 1.3 Perform a preliminary field review and photo document the proposed horizontal routes.
- 1.4 Call in a Sunshine One Call Design Ticket and coordinate with listed utility companies that have been identified to have infrastructure located in the right-of-way. Request record drawings of existing utilities and provide base drawings to local utilities for mark-up of their existing utilities. Plot utility locations received on the drawing base sheets. Coordinate with FEC, Florida Department of Transportation (FDOT), and the Town of Jupiter to request records on existing facilities and proposed known future projects within the conceptual routes. Obtain bridge construction details for the ongoing FEC bridge project and the existing FDOT bridge to assist with route evaluation.
- 1.5 Coordinate with the following permitting agencies to discuss permitting requirements, fees, timeframes, and potential issues.
 - FEC Railroad
 - United States Army Corps of Engineers
 - Florida Department of Transportation
 - Town of Jupiter
 - Palm Beach County Health Department
- 1.6 Perform a geotechnical investigation. Research and obtain, if available, soil data for the surrounding areas from previous construction projects. Provide the services of a geotechnical firm to perform two (2) Standard Penetration Test (SPT) borings to depths of 120 feet below the existing ground surface. Classify the collected soil samples and evaluate the impacts of the SPT boring data on the HDD routes. Provide a Geotechnical Engineering Report describing the field explorations and presenting the results.
- 1.7 Refine four (4) conceptual horizontal routes based on information obtained and develop conceptual exhibits for use coordinating with up to two (2) local HDD contractors (Centerline Drilling and K3 Directional Drilling) to discuss constructability issues and concerns with the routes.

c

TASK 2 – REPORT/MEMORANDUM

- 2.1 Finalize conceptual horizontal routes based on feedback from the HDD contractor(s) and prepare a conceptual Engineer’s Opinion of Probable Construction Cost (EOPCC) for each of the Routes.
- 2.2 Meet with the District to discuss horizontal routes and EOPCC. Based on this meeting, one recommended horizontal route will be selected.
- 2.3 Prepare a draft vertical route for the recommended horizontal route. Coordinate vertical route with a local HDD contractor to produce an initial/draft Boreaid document. Submit a vertical route and Boreaid document to District for review.
- 2.4 Meet with District to review documents and incorporate comments into a recommended vertical route.
- 2.5 Prepare a draft Preliminary Engineering Memorandum to document the findings, the conceptual and recommended horizontal and/or vertical routes, permitting, and the EOPCC. Meet with the District to discuss the draft Technical Memorandum.
- 2.6 Address District comments and provide final Preliminary Engineering Memorandum including recommended forcemain route.

C. Additional Services:

1. Any services not included in the Scope of Services will be considered Additional Services.
2. Any design changes, schedule changes, drawing changes, or other project changes requested by District will be considered Additional Services.
3. Additional Services can be provided upon Mock•Roos receiving signed authorization from District.

D. Assumptions:

1. Based on the current scope of services the following items have not been included:
 - Topographic survey
 - Easement research and acquisition. It is anticipated that the District will take the lead with the easement coordination and easement negotiation

E. Fees and Rates:

1. Mock•Roos will complete these services on an hourly basis at Mock•Roos’ hourly rates, plus reimbursable expenses.
2. The total fee to provide the Scope of Services is anticipated to be \$68,115.

3. Mock•Roos will not provide services in excess of the anticipated fee without signed authorization from Client.
4. Mock•Roos can provide Additional Services at the Mock•Roos rates in effect at that time, plus reimbursable expenses or for an agreed upon lump sum fee.

E. Conditions:

1. This proposal serves as a supplement to the general agreement between Mock•Roos and the District currently in effect as the date of authorization to proceed with the Scope of Services outlined above. In case of discrepancies, the terms of this proposal supersede those of previous agreements. This authorization becomes valid upon Mock•Roos receiving a notice to proceed/Purchase Order (PO).

MOCK•ROOS

Signed: _____  11/18/21

Name: Garry G. Gruber, P.E.

Title: Senior Vice President

Date: November 5, 2021

**Loxahatchee River Environmental Control District
Redundant Subaqueous Forcemain Route Study**

(Mock•Roos PA# C0089.00)

| Task Description | Labor Categories | | | | | | Total |
|---|------------------|------------------------|-----------------|----------------------|---------------------------------|---------------|-----------------|
| | Project Director | Senior Project Manager | Senior Engineer | Project Engineer II | Senior Administrative Assistant | Subconsultant | |
| <i>Labor Hourly Billing Rate</i> | \$185 | \$175 | \$165 | \$125 | \$65 | | |
| Task 1 - Data Collection | | | | | | | \$ 44,560 |
| 1.1 Aerial Base Exhibits | | 2 | 4 | 20 | 2 | | \$ 3,640 |
| 1.2 Site Visits | 2 | 4 | 8 | | 1 | | \$ 2,455 |
| 1.3 Field Review and Documentation | | 2 | 4 | 8 | 2 | | \$ 2,140 |
| 1.4 Utility Coordination | | 2 | 12 | 20 | 4 | | \$ 5,090 |
| 1.5 Permit Agency Coordination | 2 | 4 | 20 | 12 | 2 | | \$ 6,000 |
| 1.6 Geotechnical Investigation | 4 | 8 | 8 | 8 | 2 | \$15,975 | \$ 20,565 |
| 1.7 Refine Hor. Routes/Coordinate HDD Contractors | 2 | 8 | 16 | | 4 | | \$ 4,670 |
| Task 2 - Report/Memorandum | | | | | | | \$ 23,305 |
| 2.1 Final Horizontal Routes/EOPCC | 2 | 4 | 12 | 16 | 2 | | \$ 5,180 |
| 2.2 Meet District/Recommend Horizontal Route | 3 | 3 | 3 | | 2 | | \$ 1,705 |
| 2.3 Vertical Route/Coordinate HDD Contractor | 3 | 4 | 16 | 20 | 4 | | \$ 6,655 |
| 2.4 Meet District/Recommend Vertical Route | 3 | 3 | 8 | 8 | 1 | | \$ 3,465 |
| 2.5 Draft TM/Meet District | 3 | 4 | 8 | 12 | 4 | | \$ 4,335 |
| 2.6 Final TM | | 1 | 4 | 8 | 2 | | \$ 1,965 |
| <i>Subtotal</i> | \$ 4,440 | \$ 8,575 | \$ 20,295 | \$ 16,500 | \$ 2,080 | \$15,975 | \$ 67,865 |
| | | | | Reimbursables | | | \$ 250 |
| | | | | Project Total | | | \$68,115 |



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

TO: GOVERNING BOARD
FROM: D. ALBREY ARRINGTON, Ph.D.
DATE: NOVEMBER 10, 2021
SUBJECT: ANNUAL RENEWAL OF EMPLOYEE INSURANCE PLANS

Gordon M. Boggie
CHAIRMAN

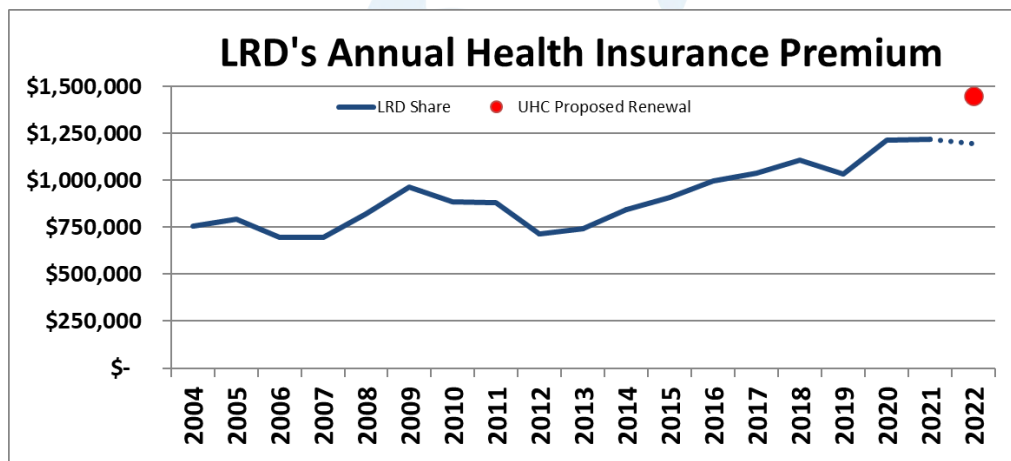
Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

It is that time of year when we work on renewal of our employee insurance policies. UnitedHealthcare, our incumbent health insurance provider, offered a renewal quote with a 26.1% rate increase! So, Gehring Group conducted an RFP to solicit more cost-effective offers. UnitedHealthcare, Florida Blue, and Cigna responded to the RFP, while F.M.I.T., Humana, and Aetna declined to quote and AvMed did not respond to the RFP. Each responding company has previously provided our health insurance and provided satisfactory service: UnitedHealthcare (2004-2005, 2007-2009, 2012, 2019-2021); Florida Blue (2006, 2013-2018), and Cigna (2010-2011).

The chart below shows the health insurance premiums paid by LRD from 2004 through 2021. The red dot over 2022 is the UnitedHealthcare revised renewal rate and the dotted line represents Cigna's proposed rate. On the following pages, I provide details of the renewal proposals we received for 2022, and I provide historical context for the insurance premiums we have paid over the past 18 years (i.e., relative to medical inflation).



2500 Jupiter Park Drive
Jupiter, Florida 33458

TEL: (561) 747-5700

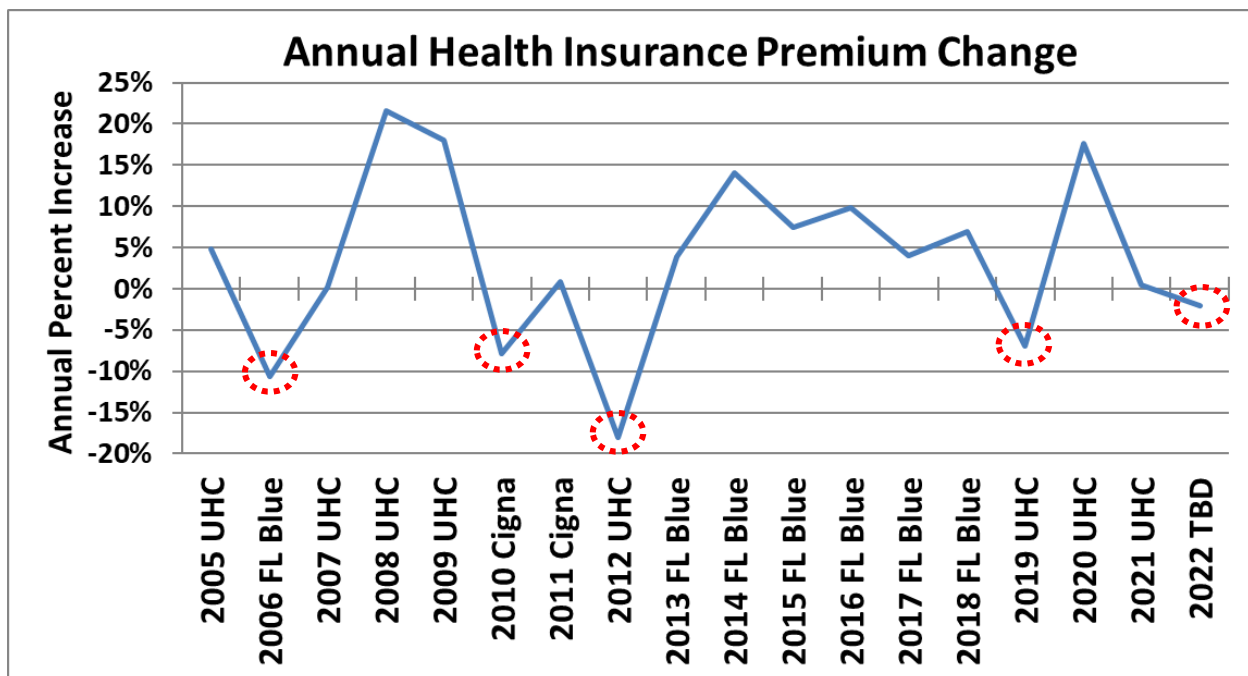
FAX: (561) 747-9929

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Water Reclamation - Environmental Education - River Restoration

In the summary information provided by Gehring Group, you will notice our Humana voluntary vision insurance is not up for renewal until 1/1/2023, our Flexible Spending Account management is not up for renewal until 1/1/2026, and our voluntary supplemental insurance (Allstate) and pet insurance (ASPCA) are not up for renewal. Therefore, this month we are focused on renewing the following employee insurance plans (1) health; (2) dental; (3) life and accidental death and dismemberment; (4) long term disability; and (5) voluntary life insurance.

First, we will discuss our health insurance options. In response to the RFP, UnitedHealthcare lowered their proposed rate increase from 26.1% to 19.1%, which would represent an annual premium increase of \$267,558. Both Cigna and Florida Blue offered insurance plans that would reduce our health insurance premium by approximately 2%; this is not entirely unusual. In the chart below, you can see five times between 2005 and 2022 we experienced a health insurance premium decrease (*the x-axis shows calendar year and the health insurance provider for that year*). In 2006 our premium declined by nearly 11% when we switched from UnitedHealthcare to FL Blue. In 2010 our premium declined by nearly 8% when we switched from UnitedHealthcare to Cigna. In 2012 our premium declined by 18% when we switched from Cigna to UnitedHealthcare. In 2019 our premium declined by nearly 11% when we switched from FL Blue to UnitedHealthcare. This year we are poised to save about 2% if we switch from UnitedHealthcare to Cigna or FL Blue.

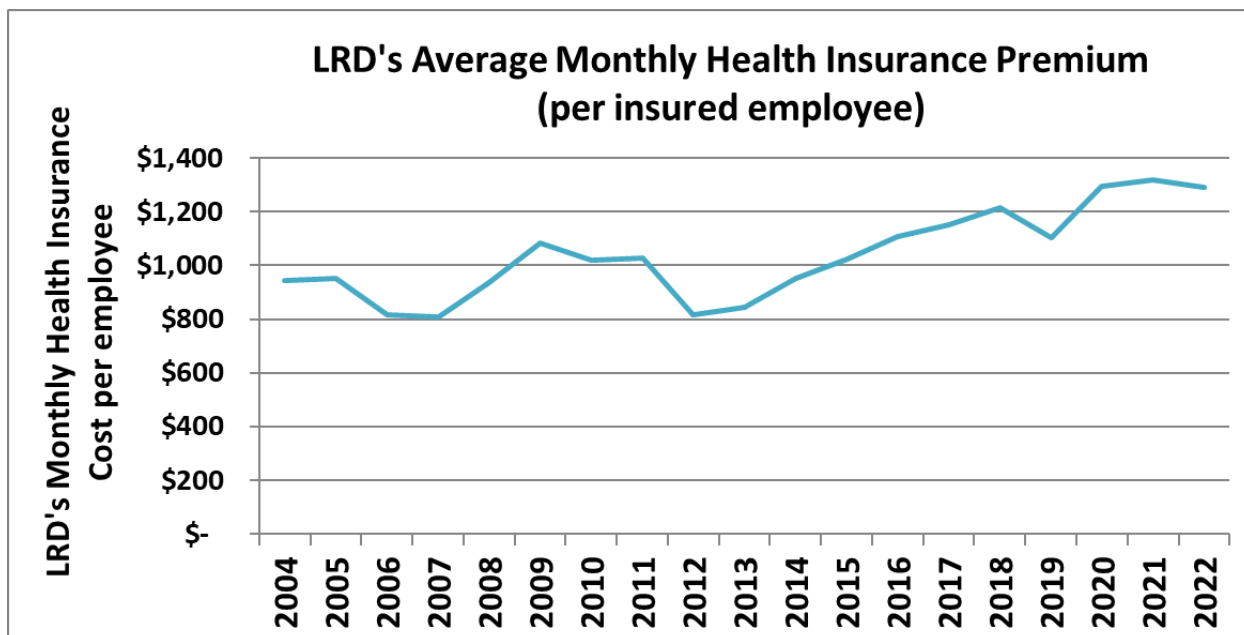


Thus, it appears that switching insurance carriers is in our best interest. This is further supported by our prior experience with Cigna and Florida Blue, both of which have provided satisfactory service in prior years.

In the summary information provided by Gehring Group, they compare the proposed Cigna OAP Plan and FL Blue Plan 03559 against our existing UnitedHealthcare plan. Elements that are unchanged are shown in black. Elements that represent a decrease in benefit quality are shown in red, and elements that represent an increase in benefit quality are shown in blue. You will notice I have marked the Cigna OAP Plan as the recommended plan. I am recommending this plan for the following reasons:

- A. The Cigna plan is nearly the same as our existing UnitedHealthcare plan, but it represents a 2.1% cost decrease (21.6% less than the UnitedHealthcare renewal rate).
- B. The Cigna plan is a “Level Funded” plan, i.e., it is a partially self-funded plan that offers fixed monthly payments, and we can potentially receive a credit to put toward future health plan costs if our actual claims are lower than expected at the end of the year.
 - a. We will receive much greater transparency on claims. With more detailed information about our usage of health insurance benefits, we will better understand and potentially educate participants on factors driving our costs up.
 - b. If we have a good year with low medical costs, LRD and Cigna will split the surplus 50% / 50% - this would occur after the plan has been renewed for the following year. Gehring Group documentation includes a page “Level Funding Illustration” that shows a hypothetical example of how we could benefit from a level funded plan.
 - c. Other Gehring Group clients using this model have been very happy and successful at managing rates increases.
 - d. Cigna is the leader in these level funded plans, and this looks like a great opportunity to try one out.
- C. Gehring Group was not able to directly compare the medical professionals used by our staff against the UnitedHealthcare, Cigna, and FL Blue networks, so they conducted a surrogate analysis using a sample client. Their analysis showed Cigna was equivalent with UnitedHealthcare for the top 50 providers and a reasonable second when assessing the full provider list. In both cases, FL Blue was ranked 3rd.
- D. I reached out to LRD staff and asked them to consult with their healthcare providers and let me know if any were (or were not) part of the Cigna Open Access Choice Plus network or the FL Blue Blue Options network. I received a meaningful number of replies, and only one specialist was identified as not currently participating in the Cigna network. Therefore, it is my opinion that the Cigna network is adequate to meet our employees’ needs.

If we evaluate our health insurance premiums as a function of mean monthly insurance premium paid by LRD per employee, our costs are projected to increase from \$994 per employee per month in 2004 to \$1,483 per employee per month in 2022. Over the prior 18-year period (2004-2022), our per employee monthly health insurance premiums have increased at an annual compounded rate of 2.5%, while medical inflation, measure as CPI – Medical Care, compounded at 3.09% during this same time period.



Regarding dental insurance, our current carrier (United Concordia) proposed a 2.0% rate increase and offered a 24-month rate guarantee. Therefore, I recommend we renew our dental insurance with United Concordia and take advantage of the 24 month rate guarantee.

Basic Life, Accidental Death & Dismemberment, and supplemental (voluntary) life insurance is provided by Reliance Standard, and they have offered to renew these policies for 24 months at last year's rates (no rate increase this year). I recommend we renew these policies for 24 months.

Long Term Disability Insurance is provided by Reliance Standard. Their renewal quote includes a 16.9% rate increase (\$2,812) and they will guarantee this rate for 24 months. After discussions with Gehring Group, I recommend we renew this policy for 24 months.

Please know that LRD Team Members appreciate the benefits we provide and are grateful to the Governing Board for investing in the quality benefits we have. I am proud that we continue to provide quality benefits and have maintained a compounded cost profile that is less than average market conditions (e.g., medical inflation).

Based on these factors, I request your approval of the following motion:

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director, in accordance with the quotes provided and with an effective date of January 1, 2022, to:

- **enter into contract with Cigna for their level funded OAP Plan health insurance policy as presented,**
- **renew our United Concordia PPO Alliance dental insurance policy for 24 months, and**
- **enter into 24 month contract with Reliance for Basic Life Insurance, Accidental Death & Dismemberment, Long-Term Disability, and voluntary supplemental life insurance policies.”**

Loxahatchee River District

Date:

November 5, 2021

Meeting Agenda

- **Introduction**

- 2022 Renewal Timeline
- RFP Proposer Bid List

- **Medical Insurance RFP Analysis**

- Medical Insurance Benefits and Premium Evaluation
- Level Funding Evaluation
- ~~Sample Medical Provider Network Disruption Evaluation~~

- **Ancillary Insurance Renewal Evaluation**

- Dental Insurance Renewal Evaluation
- Life Insurance Renewal Evaluation
- Long Term Disability Renewal Evaluation

- **Summary**

- Executive Cost Summary

Loxahatchee River District 2022 Timeline for Renewals

| <u>Insurance Coverage</u> | <u>Renewal Date</u> | <u>Current Carrier</u> |
|--|--|------------------------|
| Medical | January 1, 2022 | UnitedHealthcare |
| Dental | January 1, 2022 | United Concordia |
| Vision | January 1, 2023 | Humana |
| Life and AD&D | January 1, 2022 | Reliance Standard |
| Long Term Disability | January 1, 2022 | Reliance Standard |
| Voluntary Life | January 1, 2022 | Reliance Standard |
| EAP | January 1, 2022 | <i>Included in LTD</i> |
| FSA | January 1, 2026 | Discovery/WEX |
| COBRA | Ongoing | UnitedHealthcare |
| Supplemental | Ongoing | Allstate |
| Pet | Ongoing | ASPCA |
| Proposed Schedule of Activities | | |
| <u>Date</u> | <u>Action</u> | |
| 9/10/2021 | Pre-Renewal Meeting | |
| 10/13/2021 | Renewals received by Gehring Group | |
| 10/14/2021 | Renewals presented to District staff | |
| 10/15/2021 | RFP released to the market | |
| 11/3/2021 | RFP responses due at Gehring Group | |
| 11/3/2021 - 11/4/2021 | RFP Responses evaluated by Gehring Group | |
| 11/5/2021 | RFP review of RFP analysis with District staff | |
| 11/11/2021 | Agenda item due for 11/18 Board meeting | |
| 11/18/2021 | Board Meeting – Approve 2022 Carrier Recommendations | |
| 11/18/2021 - 11/30/2021 | Prepare Open Enrollment Materials | |
| December 2021 | Open Enrollment Meetings | |
| 1/1/2022 | Plan Year begins | |

**Dates outlined herein are subject to change based on the goals of the client and insurance carrier cooperation.*

Loxahatchee River District
Medical Insurance RFP Bid List
Effective Date: January 1, 2022

| Vendors | Medical Insurance Proposed? | Notes |
|--------------------------|-----------------------------|-----------------------|
| Medical Insurance | | |
| UnitedHealthcare | ✓ | |
| Florida Blue | ✓ | |
| Cigna | ✓ | |
| F.M.I.T | | DTQ - UHC Incumbent |
| Humana | | DTQ - Non Competitive |
| Aetna | | DTQ - Non Competitive |
| AvMed | | No Response |
| Total | 3 | |

**Loxahatchee River District
Medical Insurance RFP Evaluation
Effective Date: January 1, 2022**

| SCHEDULE OF BENEFITS | Current | | Negotiated Renewal* | |
|--|------------------------------|----------------|------------------------------|----------------|
| | UnitedHealthcare - Plan BWON | | UnitedHealthcare - Plan BWON | |
| Plan Basics | In Network | Out of Network | In Network | Out of Network |
| Network Name | Choice Plus | | Choice Plus | |
| Calendar Year Deductible | | | | |
| Single | \$500 | \$1,000 | \$500 | \$1,000 |
| Family | \$1,000 | \$2,000 | \$1,000 | \$2,000 |
| Out of Pocket CYM | | | | |
| Single | \$2,500 | \$5,000 | \$2,500 | \$5,000 |
| Family | \$5,000 | \$10,000 | \$5,000 | \$10,000 |
| Coinsurance (Member Pays) | 20% | 40% | 20% | 40% |
| Non-Hospital Services | | | | |
| Primary Care Physician | \$20 | 40% after CYD | \$20 | 40% after CYD |
| Specialist | \$20 | 40% after CYD | \$20 | 40% after CYD |
| Primary Care Virtual Visits | No Charge | 40% after CYD | No Charge | 40% after CYD |
| Preventive Care | No Charge | 40% after CYD | No Charge | 40% after CYD |
| Independent Clinical Lab (Bloodwork) | No Charge | 40% after CYD | No Charge | 40% after CYD |
| X-Rays | No Charge | 40% after CYD | No Charge | 40% after CYD |
| Advanced Imaging | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Urgent Care | \$50 | 40% after CYD | \$50 | 40% after CYD |
| Hospital Services | | | | |
| Inpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Outpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Physician Services at Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Emergency Room | \$350 | \$350 | \$350 | \$350 |
| Mental Health / Substance Abuse | | | | |
| Inpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Outpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Outpatient Office Visit | \$20 | 40% after CYD | \$20 | 40% after CYD |
| Pharmacy | | | | |
| Tier 1 / Generic | \$10 | \$10 | \$10 | \$10 |
| Tier 2 / Preferred Brand | \$45 | \$45 | \$45 | \$45 |
| Tier 3 / Non Preferred Brand | \$80 | \$80 | \$80 | \$80 |
| Tier 4 / Speciality | \$125 | \$125 | \$125 | \$125 |
| Mail Order Copay | 2.5x Retail Copay | N/A | 2.5x Retail Copay | N/A |
| Rates | | | | |
| Employee 33 | \$815.01 | | \$970.78 | |
| Employee + Spouse 18 | \$1,955.73 | | \$2,329.52 | |
| Employee + Child(ren) 11 | \$1,380.85 | | \$1,644.77 | |
| Family 15 | \$2,624.68 | | \$3,126.33 | |
| Monthly Premium 77 | \$116,658 | | \$138,955 | |
| Annual Premium | \$1,399,896 | | \$1,667,454 | |
| \$ Increase/(Decrease) | N/A | | \$267,558 | |
| % Increase/(Decrease) | N/A | | 19.1% | |

**Initial Renewal was a 26.1% Increase*

**Loxahatchee River District
Medical Insurance RFP Evaluation
Effective Date: January 1, 2022**

| SCHEDULE OF BENEFITS | Current | | RECOMMENDED | |
|--|------------------------------|--------------------|---------------------------------|--------------------|
| | UnitedHealthcare - Plan BWON | | Option #1 Cigna - OAP Plan** | |
| Plan Basics | In Network | Out of Network | In Network | Out of Network |
| Network Name | Choice Plus | | Open Access Plus | |
| Calendar Year Deductible | | | | |
| Single | \$500 | \$1,000 | \$500 | \$1,000 |
| Family | \$1,000 | \$2,000 | \$1,000 | \$2,000 |
| Out of Pocket CYM | | | | |
| Single | \$2,500 | \$5,000 | \$2,500 | \$5,000 |
| Family | \$5,000 | \$10,000 | \$5,000 | \$10,000 |
| Coinsurance (Member Pays) | 20% | 40% | 20% | 40% |
| Non-Hospital Services | | | | |
| Primary Care Physician | \$20 | 40% after CYD | \$20 | 40% after CYD |
| Specialist | \$20 | 40% after CYD | \$20 | 40% after CYD |
| Primary Care Virtual Visits | No Charge | 40% after CYD | No Charge | Not Covered |
| Preventive Care | No Charge | 40% after CYD | No Charge | 40% after CYD |
| Independent Clinical Lab (Bloodwork) | No Charge | 40% after CYD | No Charge | 40% after CYD |
| X-Rays | No Charge | 40% after CYD | No Charge | 40% after CYD |
| Advanced Imaging | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Urgent Care | \$50 | 40% after CYD | \$50 | 40% after CYD |
| Hospital Services | | | | |
| Inpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Outpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Physician Services at Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Emergency Room | \$350 | \$350 | \$350 | \$350 |
| Mental Health / Substance Abuse | | | | |
| Inpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Outpatient Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 40% after CYD |
| Outpatient Office Visit | \$20 | 40% after CYD | \$20 | 40% after CYD |
| Pharmacy | | | | |
| Tier 1 / Generic | \$10 | \$10 | \$10 | 40% |
| Tier 2 / Preferred Brand | \$45 | \$45 | \$45 | |
| Tier 3 / Non Preferred Brand | \$80 | \$80 | \$80 | |
| Tier 4 / Speciality | \$125 | \$125 | \$125 | |
| Mail Order Copay | 2.5x Retail Copay | N/A | 2.5x Retail Copay | |
| Rates | | | | |
| Employee 33 | | \$815.01 | | \$798.04 |
| Employee + Spouse 18 | | \$1,955.73 | | \$1,914.98 |
| Employee + Child(ren) 11 | | \$1,380.85 | | \$1,352.12 |
| Family 15 | | \$2,624.68 | | \$2,570.02 |
| Monthly Premium 77 | | \$116,658 | | \$114,229 |
| Annual Premium | | \$1,399,896 | | \$1,370,743 |
| \$ Increase/(Decrease) | | N/A | | -\$29,153 |
| % Increase/(Decrease) | | N/A | | -2.1% |

****Cigna Quote is Level Funded**

**Loxahatchee River District
Medical Insurance RFP Evaluation
Effective Date: January 1, 2022**

| SCHEDULE OF BENEFITS | Current | | Option #2 | |
|--|------------------------------|--------------------|---------------------------|--------------------------|
| | UnitedHealthcare - Plan BWON | | Florida Blue - Plan 03559 | |
| Plan Basics | In Network | Out of Network | In Network | Out of Network |
| Network Name | Choice Plus | | BlueOptions | |
| Calendar Year Deductible | | | | |
| Single | \$500 | \$1,000 | \$500 | \$750 |
| Family | \$1,000 | \$2,000 | \$1,500 | \$2,250 |
| Out of Pocket CYM | | | | |
| Single | \$2,500 | \$5,000 | \$2,500 | \$5,000 |
| Family | \$5,000 | \$10,000 | \$5,000 | \$10,000 |
| Coinsurance (Member Pays) | 20% | 40% | 20% | 40% |
| Non-Hospital Services | | | Value /Non-Value Provider | |
| Primary Care Physician | \$20 | 40% after CYD | \$0/\$20 | 40% after CYD |
| Specialist | \$20 | 40% after CYD | \$20/\$40 | 40% after CYD |
| Primary Care Virtual Visits | No Charge | 40% after CYD | No Charge | 40% after CYD |
| Preventive Care | No Charge | 40% after CYD | No Charge | 40% |
| Independent Clinical Lab (Bloodwork) | No Charge | 40% after CYD | No Charge | 40% after CYD |
| X-Rays | No Charge | 40% after CYD | \$50 | 40% after CYD |
| Advanced Imaging | 20% after CYD | 40% after CYD | \$150 | 40% after CYD |
| Urgent Care | \$50 | 40% after CYD | \$45 | \$45 afer CYD |
| Hospital Services | | | Tier 1 / Tier 2 | |
| Inpatient Hospital | 20% after CYD | 40% after CYD | \$600/\$1,000 | 40% after CYD |
| Outpatient Hospital | 20% after CYD | 40% after CYD | \$200/\$300 | 40% after CYD |
| Physician Services at Hospital | 20% after CYD | 40% after CYD | 20% after CYD | 20% after INN CYD |
| Emergency Room | \$350 | \$350 | \$100 | \$100 |
| Mental Health / Substance Abuse | | | | |
| Inpatient Hospital | 20% after CYD | 40% after CYD | No Charge | 40% |
| Outpatient Hospital | 20% after CYD | 40% after CYD | No Charge | 40% |
| Outpatient Office Visit | \$20 | 40% after CYD | No Charge | 40% |
| Pharmacy | | | | |
| Tier 1 / Generic | \$10 | \$10 | \$10 | 50% |
| Tier 2 / Preferred Brand | \$45 | \$45 | \$50 | |
| Tier 3 / Non Preferred Brand | \$80 | \$80 | \$80 | |
| Tier 4 / Speciality | \$125 | \$125 | N/A | |
| Mail Order Copay | 2.5x Retail Copay | N/A | 2.5x Retail Copay | |
| Rates | | | | |
| Employee 33 | | \$815.01 | | \$798.79 |
| Employee + Spouse 18 | | \$1,955.73 | | \$1,916.81 |
| Employee + Child(ren) 11 | | \$1,380.85 | | \$1,353.37 |
| Family 15 | | \$2,624.68 | | \$2,572.45 |
| Monthly Premium 77 | | \$116,658 | | \$114,336 |
| Annual Premium | | \$1,399,896 | | \$1,372,038 |
| \$ Increase/(Decrease) | | N/A | | -\$27,859 |
| % Increase/(Decrease) | | N/A | | -2.0% |

Loxahatchee River District

Level Funding Illustration

Experience Period: Illustrative Claims Costs

| | (a) | (b) | | (c) | (b)+(c) = (d) | (a)-(d) | Projected ENROLLMENT | | | | | | | | |
|-------------------|--------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------|------------|------------|------------|---------------------|--|--|--|
| | Funding | Fixed Costs | | Claims | Fixed Costs + Claims | Total Funding - Cost | EE Only | EE + Sp | EE + Ch(n) | EE + Fam | Total EE's | Claims / EE / Month | | | |
| Plan Totals | Plan Funding | Admin Fees* | Stop Loss Fees (45k) | Estimated Net Claims | Total Plan Cost | Reserve Accumulation | | | | | | | | | |
| January-22 | \$114,229 | \$5,866 | \$42,032 | \$37,500 | \$85,397 | \$28,831 | 33 | 18 | 11 | 15 | 77 | \$ 487.01 | | | |
| February-22 | \$114,229 | \$5,866 | \$42,032 | \$40,625 | \$88,522 | \$25,706 | 33 | 18 | 11 | 15 | 77 | \$ 527.60 | | | |
| March-22 | \$114,229 | \$5,866 | \$42,032 | \$43,750 | \$91,647 | \$22,581 | 33 | 18 | 11 | 15 | 77 | \$ 568.18 | | | |
| April-22 | \$114,229 | \$5,866 | \$42,032 | \$46,875 | \$94,772 | \$19,456 | 33 | 18 | 11 | 15 | 77 | \$ 608.77 | | | |
| May-22 | \$114,229 | \$5,866 | \$42,032 | \$50,000 | \$97,897 | \$16,331 | 33 | 18 | 11 | 15 | 77 | \$ 649.35 | | | |
| June-22 | \$114,229 | \$5,866 | \$42,032 | \$87,500 | \$135,397 | (\$21,169) | 33 | 18 | 11 | 15 | 77 | \$ 1,136.36 | | | |
| July-22 | \$114,229 | \$5,866 | \$42,032 | \$84,375 | \$132,272 | (\$18,044) | 33 | 18 | 11 | 15 | 77 | \$ 1,095.78 | | | |
| August-22 | \$114,229 | \$5,866 | \$42,032 | \$81,250 | \$129,147 | (\$14,919) | 33 | 18 | 11 | 15 | 77 | \$ 1,055.19 | | | |
| September-22 | \$114,229 | \$5,866 | \$42,032 | \$78,125 | \$126,022 | (\$11,794) | 33 | 18 | 11 | 15 | 77 | \$ 1,014.61 | | | |
| October-22 | \$114,229 | \$5,866 | \$42,032 | \$75,000 | \$122,897 | (\$8,669) | 33 | 18 | 11 | 15 | 77 | \$ 974.03 | | | |
| November-22 | \$114,229 | \$5,866 | \$42,032 | \$68,750 | \$116,647 | (\$2,419) | 33 | 18 | 11 | 15 | 77 | \$ 892.86 | | | |
| December-22 | \$114,229 | \$5,866 | \$42,032 | \$56,250 | \$104,147 | \$10,081 | 33 | 18 | 11 | 15 | 77 | \$ 730.52 | | | |
| 2022 Total | \$1,370,743 | \$70,387 | \$504,382 | \$750,000 | \$1,324,769 | \$45,974 | 396 | 216 | 132 | 180 | 924 | \$ 811.69 | | | |

| Plan Year Costs | Total Cost | Admin Fee* | ISL Premium | ASL Premium | Claims Funding | Illustrative Claims Experience | | Current Enrollment | |
|-----------------|------------|------------|-------------|-------------|----------------|--------------------------------|-------------|-----------------------|----|
| Employee Only | \$798.04 | \$40.98 | \$257.85 | \$35.80 | \$463.41 | Estimated Annual Claims | \$1,050,000 | Employee Only | 33 |
| Employee + Sp | \$1,914.98 | \$98.33 | \$618.73 | \$85.91 | \$1,112.01 | Claims Exceeding \$45k | \$300,000 | Employee + Spouse | 18 |
| Employee + Ch | \$1,352.12 | \$69.43 | \$436.87 | \$60.66 | \$785.16 | Net Claims | \$750,000 | Employee + Child(ren) | 11 |
| Employee + Fam | \$2,570.02 | \$131.97 | \$830.37 | \$115.30 | \$1,492.38 | Avg Monthly Claims Cost | \$62,500 | Employee + Family | 15 |

| | |
|---|-------------|
| Level Funded Annual Program Cost | \$1,370,743 |
| Credit Applied to Next Year's Renewal (50% of Reserve Accumulation) | (\$22,987) |
| Adjusted Level Funding Annual Program Cost*** | \$1,347,756 |
| Level Funding % Increase/(Decrease)*** | -1.7% |

*Admin Fee Includes Network Access Fee Less Pharmacy Rebate Credit

Reserve Liability is Approximately \$83,000

Cigna Guarantees a Minimum \$15k Surplus Return at End of First Contract Period (15 Months)

This Exhibit is for Illustrative Purposes Only.

**Loxahatchee River District
Dental Insurance Renewal Evaluation
Effective Date: January 1, 2022**

| SCHEDULE OF BENEFITS | Current | | RECOMMENDED Negotiated Renewal* | |
|--------------------------------------|--------------------|----------------|------------------------------------|----------------|
| | United Concordia | | United Concordia | |
| <u>Plan Basics</u> | In Network | Out of Network | In Network | Out of Network |
| Annual Benefit Maximum | \$1,500 | | \$1,500 | |
| Orthodontia - Lifetime Max | \$1,500 | | \$1,500 | |
| <u>Deductibles</u> | | | | |
| Single | \$50 | \$50 | \$50 | \$50 |
| Family Aggregate | \$150 | \$150 | \$150 | \$150 |
| Ded. Waived for Preventive Services? | Yes | No | Yes | No |
| <u>Benefits</u> | | | | |
| Preventative | 100% | 100% | 100% | 100% |
| Basic | 100% | 80% | 100% | 80% |
| Major | 60% | 50% | 60% | 50% |
| Child Orthodontia | 50% | 50% | 50% | 50% |
| <u>Service Information</u> | | | | |
| Periodontics and Endodontics | Basic | | Basic | |
| Out of Network Benefits Payable | 90th Percentile | | 90th Percentile | |
| <u>Rate Guarantee</u> | Expires 12/31/2021 | | 24 Months* | |
| Employee 33 | \$28.64 | | \$29.21 | |
| Employee + Spouse 19 | \$56.88 | | \$58.02 | |
| Employee + Child(ren) 8 | \$63.03 | | \$64.29 | |
| Employee + Family 19 | \$100.46 | | \$102.47 | |
| Monthly Premium 79 | \$4,439 | | \$4,528 | |
| Annual Premium | \$53,266 | | \$54,331 | |
| \$ Increase/(Decrease) | N/A | | \$1,065 | |
| % Increase/(Decrease) | N/A | | 2.0% | |

*Initially Proposed Rate Guarantee Period was 12 Months

Loxahatchee River District
Basic Life and AD&D Insurance Renewal Evaluation
Effective Date: January 1, 2022

| SCHEDULE OF BENEFITS | Current | | RECOMMENDED Renewal | |
|---|-------------------|---|---------------------|---|
| | Reliance Standard | | Reliance Standard | |
| Life and AD&D Benefit | | | | |
| Employee Benefit | | \$50,000 | | \$50,000 |
| Dependent Life | | Spouse Life: \$5,000 (Ends at age 70) Child: \$100 (14 days to 6 months) / \$2,500 (6 months to age 19 or to 23 FT student) | | Spouse Life: \$5,000 (Ends at age 70) Child: \$100 (14 days to 6 months) / \$2,500 (6 months to age 19 or to 23 FT student) |
| Features | | | | |
| Waiver of Premium | | Included | | Included |
| Accelerated Benefit | | 75% to \$250,000 | | 75% to \$500,000 |
| Age Reduction Schedule | | 65% at age 65 50% at age 70 Benefits terminate at retirement | | 65% at age 65 50% at age 70 Benefits terminate at retirement |
| Rate Guarantee | | Expires 12/31/2021 | | 24 Months |
| Basic Life Rate / \$1,000 | 79 | \$0.180 | | \$0.180 |
| AD&D Rate / \$1,000 | | \$0.025 | | \$0.025 |
| Total Life AD&D Rate / \$1,000 | | \$0.205 | | \$0.205 |
| Volume | | \$3,812,500 | | \$3,812,500 |
| Monthly Premium | | \$782 | | \$782 |
| Annual Premium | | \$9,379 | | \$9,379 |
| Dependent Basic Life Rate / \$1,000 | 48 | \$1.340 | | \$1.340 |
| Monthly Premium | | \$64 | | \$64 |
| Annual Premium | | \$772 | | \$772 |
| Monthly Premium | | \$846 | | \$846 |
| Annual Premium | | \$10,151 | | \$10,151 |
| \$ Increase/(Decrease) | | N/A | | \$0 |
| % Increase/(Decrease) | | N/A | | 0.0% |

Loxahatchee River District
Supplemental Life and AD&D Insurance Renewal Evaluation
Effective Date: January 1, 2022

| | | Current | RECOMMENDED |
|-----------------------------------|--|---|---|
| | | Reliance Standard | Reliance Standard |
| SCHEDULE OF BENEFITS | | Reliance Standard | Reliance Standard |
| Life and AD&D Benefits | | | |
| Employee Formula | | Increments of \$10,000, NTE \$500,000 | Increments of \$10,000, NTE \$500,000 |
| Guarantee Issue | | \$100,000 (Under Age 70) | \$100,000 (Under Age 70) |
| Spouse Formula | | Increments of \$10,000 up to 50% of EE amount (Terminates at age 75) | Increments of \$10,000 up to 50% of EE amount (Terminates at age 75) |
| Guarantee Issue | | \$10,000 (Under age 70) | \$10,000 (Under age 70) |
| Child Formula | | 14 days to 6 months: \$1,000 6 months to 20 years: \$10,000 | 14 days to 6 months: \$1,000 6 months to 20 years: \$10,000 |
| Guarantee Issue | | \$10,000 | \$10,000 |
| Features | | | |
| Age Reductions (Reduces to) | | 60% at 75, 35% at 80, 27.5% at 85, 20% at 90, 7.5% at 95, 5% at 100+ | 60% at 75, 35% at 80, 27.5% at 85, 20% at 90, 7.5% at 95, 5% at 100+ |
| Accelerated Death Benefit | | Included | Included |
| Conversion | | Included | Included |
| Portability | | Included | Included |
| Waiver of Premium | | Included | Included |
| Rate Guarantee | | Expires 12/31/2021 | 24 Months |
| Age Banded Rates/\$1,000 | | | |
| 24 & Under | | \$0.070 | \$0.070 |
| 25-29 | | \$0.070 | \$0.070 |
| 30-34 | | \$0.080 | \$0.080 |
| 35-39 | | \$0.100 | \$0.100 |
| 40-44 | | \$0.160 | \$0.160 |
| 45-49 | | \$0.260 | \$0.260 |
| 50-54 | | \$0.500 | \$0.500 |
| 55-59 | | \$0.800 | \$0.800 |
| 60-64 | | \$0.930 | \$0.930 |
| 65-69 | | \$1.680 | \$1.680 |
| 70-74 | | \$3.290 | \$3.290 |
| 75-79 | | \$8.880 | \$8.880 |
| 80-99 | | \$20.150 | \$20.150 |
| Child(ren) | | \$1.560 | \$1.560 |
| AD&D | | \$0.016 | \$0.016 |
| % Increase/(Decrease) | | N/A | 0.0% |

Reliance Standard is offering a True OE up to GI for 2022

Loxahatchee River District
Long Term Disability Insurance Renewal Evaluation
Effective Date: January 1, 2022

| SCHEDULE OF BENEFITS | Current | RECOMMENDED Renewal |
|--|---------------------------|------------------------|
| | Reliance Standard | Reliance Standard |
| Core Benefits | | |
| Monthly Benefit | 60% | 60% |
| Maximum Monthly Benefit | \$6,500 | \$6,500 |
| Elimination Period | 90 days | 90 days |
| Own Occupation Period | 24 Months | 24 Months |
| Duration of Benefit | SSNRA | SSNRA |
| Pre-existing Condition Limitation | 3/12 | 3/12 |
| Mental Illness, Alcoholism & Drug Abuse Limitation | 24 Months | 24 Months |
| Employee Assistance | | |
| EAP Included in Pricing? | Yes | Yes |
| Rate Guarantee | Expires 12/31/2021 | 24 Months |
| Rate / \$100 | \$0.355 | \$0.415 |
| Estimated Volume | \$390,544 | \$390,544 |
| Monthly Premium | \$1,386 | \$1,621 |
| Annual Premium | \$16,637 | \$19,449 |
| \$ Increase/(Decrease) | N/A | \$2,812 |
| % Increase/(Decrease) | N/A | 16.9% |

Loxahatchee River District
Executive Summary - RFP Options
Effective Date: January 1, 2021

No Change to Contribution Strategy
Negotiated Renewal - UnitedHealthcare

| | | Current | | | Negotiated Renewal - UnitedHealthcare | | | |
|----------------------------------|------------|---|------------------|--------------------|---|------------------|--------------|--------------------|
| Monthly Premiums | Enrollment | Current | | | Negotiated Renewal - UnitedHealthcare | | | |
| | | Employer | Employee | Total | Employer | Employee | Change/Month | Total |
| Medical Insurance | | UnitedHealthcare - Choice Plus - BWON | | | UnitedHealthcare - Choice Plus - BWON | | | |
| Employee Only | 33 | \$709.05 | \$105.96 | \$815.01 | \$844.58 | \$126.20 | \$20.24 | \$970.78 |
| EE + Spouse | 18 | \$1,701.49 | \$254.24 | \$1,955.73 | \$2,026.68 | \$302.84 | \$48.60 | \$2,329.52 |
| EE + Child | 11 | \$1,201.33 | \$179.52 | \$1,380.85 | \$1,430.95 | \$213.82 | \$34.30 | \$1,644.77 |
| EE + Family | 15 | \$2,283.46 | \$341.22 | \$2,624.68 | \$2,719.91 | \$406.42 | \$65.20 | \$3,126.33 |
| Monthly Total | 77 | \$101,492 | \$15,166 | \$116,658 | \$120,890 | \$18,064 | | \$138,955 |
| Annual Total | | \$1,217,904 | \$181,992 | \$1,399,896 | \$1,450,686 | \$216,768 | | \$1,667,454 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$232,782 | \$34,776 | | \$267,558 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 19.1% | 19.1% | | 19.1% |
| Dental Insurance | | United Concordia PPO Alliance (Employee pays total if they don't elect medical insurance) | | | United Concordia PPO Alliance (Employee pays total if they don't elect medical insurance) | | | |
| Employee | 33 | \$28.64 | \$0.00 | \$28.64 | \$29.21 | \$0.00 | \$0.00 | \$29.21 |
| EE + Spouse | 19 | \$56.88 | \$0.00 | \$56.88 | \$58.02 | \$0.00 | \$0.00 | \$58.02 |
| EE + Child | 8 | \$63.03 | \$0.00 | \$63.03 | \$64.29 | \$0.00 | \$0.00 | \$64.29 |
| EE + Family | 19 | \$100.46 | \$0.00 | \$100.46 | \$102.47 | \$0.00 | \$0.00 | \$102.47 |
| Monthly Total | 79 | \$4,439 | \$0 | \$4,439 | \$4,528 | \$0 | | \$4,528 |
| Annual Total | | \$53,266 | \$0 | \$53,266 | \$54,331 | \$0 | | \$54,331 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$1,065 | \$0 | | \$1,065 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 2.0% | 0.0% | | 2.0% |
| Vision Insurance | | Humana Vision 130 Insight | | | Humana Vision 130 Insight | | | |
| Employee | 27 | \$0.00 | \$4.37 | \$4.37 | \$0.00 | \$4.37 | \$0.00 | \$4.37 |
| EE + Spouse | 13 | \$0.00 | \$8.75 | \$8.75 | \$0.00 | \$8.75 | \$0.00 | \$8.75 |
| EE + Child | 2 | \$0.00 | \$8.31 | \$8.31 | \$0.00 | \$8.31 | \$0.00 | \$8.31 |
| EE + Family | 12 | \$0.00 | \$13.06 | \$13.06 | \$0.00 | \$13.06 | \$0.00 | \$13.06 |
| Monthly Total | 54 | \$0 | \$405 | \$405 | \$0 | \$405 | | \$405 |
| Annual Total | | \$0 | \$4,861 | \$4,861 | \$0 | \$4,861 | | \$4,861 |
| \$ Increase | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Life Insurance / AD&D | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | \$3,812,500 | \$0 | \$3,812,500 | \$3,812,500 | \$0 | N/A | \$3,812,500 |
| Rate/\$1,000 | | \$0.205 | \$0.000 | \$0.205 | \$0.205 | \$0.000 | N/A | \$0.205 |
| Monthly Total | | \$782 | \$0 | \$782 | \$782 | \$0 | | \$782 |
| Annual Total | | \$9,379 | \$0 | \$9,379 | \$9,379 | \$0 | | \$9,379 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Dependent Life | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | 48 | \$0 | 48 | 48 | \$0 | N/A | 48 |
| Rate/Dep Unit | | \$1.340 | \$0.00 | \$1.340 | \$1.340 | \$0.00 | N/A | \$1.340 |
| Monthly Total | | \$64 | \$0 | \$64 | \$64 | \$0 | | \$64 |
| Annual Total | | \$772 | \$0 | \$772 | \$772 | \$0 | | \$772 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Long Term Disability | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | \$390,544 | \$0 | \$390,544 | \$390,544 | \$0 | N/A | \$390,544 |
| Rate/\$100 CMP | | \$0.355 | \$0.000 | \$0.355 | \$0.415 | \$0.000 | N/A | \$0.415 |
| Monthly Total | | \$1,386 | \$0 | \$1,386 | \$1,621 | \$0 | | \$1,621 |
| Annual Total | | \$16,637 | \$0 | \$16,637 | \$19,449 | \$0 | | \$19,449 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$2,812 | \$0 | | \$2,812 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 16.9% | 0.0% | | 16.9% |
| Monthly Total | | \$108,163 | \$15,571 | \$123,734 | \$127,885 | \$18,469 | | \$146,354 |
| Annual Total | | \$1,297,958 | \$186,853 | \$1,484,811 | \$1,534,616 | \$221,629 | | \$1,756,246 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$236,659 | \$34,776 | | \$271,435 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 18.2% | 18.6% | | 18.3% |

Loxahatchee River District
 Executive Summary - RFP Options
 Effective Date: January 1, 2021

RECOMMENDED
 No Change to Contribution Strategy
 Option 1 - Cigna

| | | Current | | | EE \$ | | | |
|----------------------------------|------------|--|------------------|--------------------|--|------------------|--------------|--------------------|
| Monthly Premiums | Enrollment | Employer | Employee | Total | Employer | Employee | Change/Month | Total |
| Medical Insurance | | UnitedHealthcare - Choice Plus - BWON | | | Cigna - Open Access Plus - OAP* | | | |
| Employee Only | 33 | \$709.05 | \$105.96 | \$815.01 | \$694.30 | \$103.74 | -\$2.22 | \$798.04 |
| EE + Spouse | 18 | \$1,701.49 | \$254.24 | \$1,955.73 | \$1,666.04 | \$248.94 | -\$5.30 | \$1,914.98 |
| EE + Child | 11 | \$1,201.33 | \$179.52 | \$1,380.85 | \$1,176.34 | \$175.78 | -\$3.74 | \$1,352.12 |
| EE + Family | 15 | \$2,283.46 | \$341.22 | \$2,624.68 | \$2,235.92 | \$334.10 | -\$7.12 | \$2,570.02 |
| Monthly Total | 77 | \$101,492 | \$15,166 | \$116,658 | \$99,379 | \$14,849 | | \$114,229 |
| Annual Total | | \$1,217,904 | \$181,992 | \$1,399,896 | \$1,192,550 | \$178,193 | | \$1,370,743 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | -\$25,354 | -\$3,799 | | -\$29,153 |
| % Increase/(Decrease) | | N/A | N/A | N/A | -2.1% | -2.1% | | -2.1% |
| Dental Insurance | | United Concordia PPO Alliance (Employee pays total if they don't elect medical insurance) | | | United Concordia PPO Alliance (Employee pays total if they don't elect medical insurance) | | | |
| Employee | 33 | \$28.64 | \$0.00 | \$28.64 | \$29.21 | \$0.00 | \$0.00 | \$29.21 |
| EE + Spouse | 19 | \$56.88 | \$0.00 | \$56.88 | \$58.02 | \$0.00 | \$0.00 | \$58.02 |
| EE + Child | 8 | \$63.03 | \$0.00 | \$63.03 | \$64.29 | \$0.00 | \$0.00 | \$64.29 |
| EE + Family | 19 | \$100.46 | \$0.00 | \$100.46 | \$102.47 | \$0.00 | \$0.00 | \$102.47 |
| Monthly Total | 79 | \$4,439 | \$0 | \$4,439 | \$4,528 | \$0 | | \$4,528 |
| Annual Total | | \$53,266 | \$0 | \$53,266 | \$54,331 | \$0 | | \$54,331 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$1,065 | \$0 | | \$1,065 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 2.0% | 0.0% | | 2.0% |
| Vision Insurance | | Humana Vision 130 Insight | | | Humana Vision 130 Insight | | | |
| Employee | 27 | \$0.00 | \$4.37 | \$4.37 | \$0.00 | \$4.37 | \$0.00 | \$4.37 |
| EE + Spouse | 13 | \$0.00 | \$8.75 | \$8.75 | \$0.00 | \$8.75 | \$0.00 | \$8.75 |
| EE + Child | 2 | \$0.00 | \$8.31 | \$8.31 | \$0.00 | \$8.31 | \$0.00 | \$8.31 |
| EE + Family | 12 | \$0.00 | \$13.06 | \$13.06 | \$0.00 | \$13.06 | \$0.00 | \$13.06 |
| Monthly Total | 54 | \$0 | \$405 | \$405 | \$0 | \$405 | | \$405 |
| Annual Total | | \$0 | \$4,861 | \$4,861 | \$0 | \$4,861 | | \$4,861 |
| \$ Increase | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Life Insurance / AD&D | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | \$3,812,500 | \$0 | \$3,812,500 | \$3,812,500 | \$0 | N/A | \$3,812,500 |
| Rate/\$1,000 | | \$0.205 | \$0.000 | \$0.205 | \$0.205 | \$0.000 | N/A | \$0.205 |
| Monthly Total | | \$782 | \$0 | \$782 | \$782 | \$0 | | \$782 |
| Annual Total | | \$9,379 | \$0 | \$9,379 | \$9,379 | \$0 | | \$9,379 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Dependent Life | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | 48 | \$0 | 48 | 48 | \$0 | N/A | 48 |
| Rate/Dep Unit | | \$1.340 | \$0.00 | \$1.340 | \$1.340 | \$0.00 | N/A | \$1.340 |
| Monthly Total | | \$64 | \$0 | \$64 | \$64 | \$0 | | \$64 |
| Annual Total | | \$772 | \$0 | \$772 | \$772 | \$0 | | \$772 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Long Term Disability | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | \$390,544 | \$0 | \$390,544 | \$390,544 | \$0 | N/A | \$390,544 |
| Rate/\$100 CMP | | \$0.355 | \$0.000 | \$0.355 | \$0.415 | \$0.000 | N/A | \$0.415 |
| Monthly Total | | \$1,386 | \$0 | \$1,386 | \$1,621 | \$0 | | \$1,621 |
| Annual Total | | \$16,637 | \$0 | \$16,637 | \$19,449 | \$0 | | \$19,449 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$2,812 | \$0 | | \$2,812 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 16.9% | 0.0% | | 16.9% |
| Monthly Total | | \$108,163 | \$15,571 | \$123,734 | \$106,373 | \$15,255 | | \$121,628 |
| Annual Total | | \$1,297,958 | \$186,853 | \$1,484,811 | \$1,276,480 | \$183,054 | | \$1,459,534 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | -\$21,477 | -\$3,799 | | -\$25,276 |
| % Increase/(Decrease) | | N/A | N/A | N/A | -1.7% | -2.0% | | -1.7% |

*Cigna Maximum Costs Shown

Loxahatchee River District
Executive Summary - RFP Options
Effective Date: January 1, 2021

No Change to Contribution Strategy

Current

Option 2 - Florida Blue

| Monthly Premiums | Enrollment | Current | | | Option 2 - Florida Blue | | | |
|----------------------------------|------------|---|------------------|--------------------|---|------------------|--------------|--------------------|
| | | Employer | Employee | Total | Employer | Employee | Change/Month | Total |
| Medical Insurance | | UnitedHealthcare - Choice Plus - BWON | | | Florida Blue - BlueOptions - Plan 03559 | | | |
| Employee Only | 33 | \$709.05 | \$105.96 | \$815.01 | \$694.95 | \$103.84 | -\$2.12 | \$798.79 |
| EE + Spouse | 18 | \$1,701.49 | \$254.24 | \$1,955.73 | \$1,667.63 | \$249.18 | -\$5.06 | \$1,916.81 |
| EE + Child | 11 | \$1,201.33 | \$179.52 | \$1,380.85 | \$1,177.43 | \$175.94 | -\$3.58 | \$1,353.37 |
| EE + Family | 15 | \$2,283.46 | \$341.22 | \$2,624.68 | \$2,238.03 | \$334.42 | -\$6.80 | \$2,572.45 |
| Monthly Total | 77 | \$101,492 | \$15,166 | \$116,658 | \$99,473 | \$14,864 | | \$114,336 |
| Annual Total | | \$1,217,904 | \$181,992 | \$1,399,896 | \$1,193,674 | \$178,363 | | \$1,372,038 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | -\$24,230 | -\$3,629 | | -\$27,859 |
| % Increase/(Decrease) | | N/A | N/A | N/A | -2.0% | -2.0% | | -2.0% |
| Dental Insurance | | United Concordia PPO Alliance (Employee pays total if they don't elect medical insurance) | | | United Concordia PPO Alliance (Employee pays total if they don't elect medical insurance) | | | |
| Employee | 33 | \$28.64 | \$0.00 | \$28.64 | \$29.21 | \$0.00 | \$0.00 | \$29.21 |
| EE + Spouse | 19 | \$56.88 | \$0.00 | \$56.88 | \$58.02 | \$0.00 | \$0.00 | \$58.02 |
| EE + Child | 8 | \$63.03 | \$0.00 | \$63.03 | \$64.29 | \$0.00 | \$0.00 | \$64.29 |
| EE + Family | 19 | \$100.46 | \$0.00 | \$100.46 | \$102.47 | \$0.00 | \$0.00 | \$102.47 |
| Monthly Total | 79 | \$4,439 | \$0 | \$4,439 | \$4,528 | \$0 | | \$4,528 |
| Annual Total | | \$53,266 | \$0 | \$53,266 | \$54,331 | \$0 | | \$54,331 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$1,065 | \$0 | | \$1,065 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 2.0% | 0.0% | | 2.0% |
| Vision Insurance | | Humana Vision 130 Insight | | | Humana Vision 130 Insight | | | |
| Employee | 27 | \$0.00 | \$4.37 | \$4.37 | \$0.00 | \$4.37 | \$0.00 | \$4.37 |
| EE + Spouse | 13 | \$0.00 | \$8.75 | \$8.75 | \$0.00 | \$8.75 | \$0.00 | \$8.75 |
| EE + Child | 2 | \$0.00 | \$8.31 | \$8.31 | \$0.00 | \$8.31 | \$0.00 | \$8.31 |
| EE + Family | 12 | \$0.00 | \$13.06 | \$13.06 | \$0.00 | \$13.06 | \$0.00 | \$13.06 |
| Monthly Total | 54 | \$0 | \$405 | \$405 | \$0 | \$405 | | \$405 |
| Annual Total | | \$0 | \$4,861 | \$4,861 | \$0 | \$4,861 | | \$4,861 |
| \$ Increase | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Life Insurance / AD&D | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | \$3,812,500 | \$0 | \$3,812,500 | \$3,812,500 | \$0 | N/A | \$3,812,500 |
| Rate/\$1,000 | | \$0.205 | \$0.000 | \$0.205 | \$0.205 | \$0.000 | N/A | \$0.205 |
| Monthly Total | | \$782 | \$0 | \$782 | \$782 | \$0 | | \$782 |
| Annual Total | | \$9,379 | \$0 | \$9,379 | \$9,379 | \$0 | | \$9,379 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Dependent Life | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | 48 | \$0 | 48 | 48 | \$0 | N/A | 48 |
| Rate/Dep Unit | | \$1.340 | \$0.00 | \$1.340 | \$1.340 | \$0.00 | N/A | \$1.340 |
| Monthly Total | | \$64 | \$0 | \$64 | \$64 | \$0 | | \$64 |
| Annual Total | | \$772 | \$0 | \$772 | \$772 | \$0 | | \$772 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$0 | \$0 | | \$0 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 0.0% | 0.0% | | 0.0% |
| Long Term Disability | | Reliance Standard | | | Reliance Standard | | | |
| Volume: | | \$390,544 | \$0 | \$390,544 | \$390,544 | \$0 | N/A | \$390,544 |
| Rate/\$100 CMP | | \$0.355 | \$0.000 | \$0.355 | \$0.415 | \$0.000 | N/A | \$0.415 |
| Monthly Total | | \$1,386 | \$0 | \$1,386 | \$1,621 | \$0 | | \$1,621 |
| Annual Total | | \$16,637 | \$0 | \$16,637 | \$19,449 | \$0 | | \$19,449 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | \$2,812 | \$0 | | \$2,812 |
| % Increase/(Decrease) | | N/A | N/A | N/A | 16.9% | 0.0% | | 16.9% |
| Monthly Total | | \$108,163 | \$15,571 | \$123,734 | \$106,467 | \$15,269 | | \$121,736 |
| Annual Total | | \$1,297,958 | \$186,853 | \$1,484,811 | \$1,277,605 | \$183,224 | | \$1,460,829 |
| \$ Increase/(Decrease) | | N/A | N/A | N/A | -\$20,353 | -\$3,629 | | -\$23,982 |
| % Increase/(Decrease) | | N/A | N/A | N/A | -1.6% | -1.9% | | -1.6% |

LOXAHATCHEE RIVER DISTRICT

Neighborhood Sewering Schedule-Revised February 2020



| Rank * | Area Description | # Lots | Activity | Original Target Date | Revised Target Start Date |
|--------|--------------------------------|--------|---|----------------------|---------------------------|
| 16 | 181 st St N Gravity | 12 | Notified Owners – January 2013 Notice of Intent to Assess – October 2018 Award Construction Contract – January 2021 | 2018 | 2021 |
| 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 |
|-------|--------------------------------|------|--|----------------------|---------------------------|
| H | Olympus Dr, Juno (LP) | 2 | Notified Owners – June 2013 Prelim. Design started – August 2017 Notice of Intent to Assess – July 2020 | 2016 | 2021 |
| EE | Hobart St SE (Martin Co.) (LP) | 13 | Notified Owners – January 2013 Notice of Intent to Assess–September 2019 Preliminary Assess – October 2021 Final Assessment – November 2021 | 2016 | 2021 |
| | 605+607 Military Trl (LP) | 2 | Notified Owners – June 2020 Notice of Intent – Jan 2021 | 2022 | |

Private Road Areas – Page 2

| Rank * | Area Description | # Lots | Activity | Original Target Date | Revised Target Start Date |
|--------|---|----------------|--|----------------------|---------------------------|
| AA | Peninsular Road | 4 | 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 | 2014 | AEO |
| CC | 66 th Terr+Way | 19 | Notified Owners – Aug 2010 *Private Roads Notice of Intent to Assess – February 2015 Statutory Way Provision – March 2021 | 2014 | AEO |
| D | Loggerhead Park <i>(institutional)</i> | 6 ECs | Need Easements from County-No database | 2014 | AEO |
| DD | Taylor Road | 38 | Notified Owners – September 2011 Private Roads | 2015 | AEO |
| FF | Rolling Hills | 50 | Notified Owners – Jan. 2013 - Private HOA Notice of Intent to Assess – October 2019 | 2017 | 2021 |
| FF | North A1A | 3 | Postponed-Town activities in area No database | 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> | 11 | Notified Owners – January 2013 | 2018 | AEO |
| GG | Castle Rd SE | 5 | Notified Owners – Jan 2013-private road | 2018 | AEO |
| GG | Jupiter Rd SE | 4 | Notified Owners – Jan 2013-private road | 2018 | AEO |
| HH | Harbor Rd. S. LPSS | 6 | Notified Owners – January 2014 Private Road | 2017 | AEO |
| HH | Indian Hills SE | 12 | Notified Owners – January 2016 Easement for Road & Utilities, No Dedication | 2019 | AEO |
| 16 | Limestone Creek Road West | 49 | Notified Owners – January 2013 Private Road | 2018 | TBD |
| 19 | US Coast Guard Station Offices <i>(institutional)</i> PX Commercial <i>(commercial)</i> | 2 ECs 2 ECs | US Government - private roads-No database Contract for installation of sanitary sewers – September 2020 | 2019 | 2021 |
| | 109+111 Old Jupiter Beach Road (LP) | 2 | Notified Owners – September 2021 | AEO | |

* Rank based upon “2010 Septic System Inventory & Assessment”

TBD = To be determined

AEO = As easements are obtained

CURTIS L. SHENKMAN
Board Certified
Real Estate Attorney
HUNTER SHENKMAN
Attorney

CURTIS SHENKMAN, P.A.
4400 PGA BLVD, SUITE 300
PALM BEACH GARDENS, FLORIDA 33410
TELEPHONE (561) 822-3939
Curtis@PalmBeachLawyer.Law

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

November 10, 2021

Loxahatchee River Environmental Control District
D. Albrey Arrington, Exec. Dir. and Board Members (sent by email to S. Patel)
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

OTHER LITIGATION

IN THE CIRCUIT COURT OF THE FIFTEENTH JUDICIAL CIRCUIT, IN AND
FOR PALM BEACH COUNTY, FLORIDA
CASE NO. 50-2019 CA 014447 XXXX MB AB

FRED BEMAN, Plaintiff,
vs.

LOXAHATCHEE RIVER DISTRICT, Defendant.

December 6, 2017. Auto Accident involving District vehicle and vehicle driven by Fred Beman.

April 15, 2020. Summons & Complaint served upon the District.

April 20, 2020. Attorney Lyman Reynolds, appointed be District's Insurance Carrier to Defend the District under the District's Insurance Policy.

May 4, 2020. District's Motion to Dismiss filed.

July 8, 2020. District's attorney reports Motion to Dismiss not yet set for a hearing.

August 19, 2020. Agreed Order permitting transfer of the case to Martin County

Sept 16, 2020. Amended Complaint filed in Martin County

November 9, 2021 No Summons yet served on the District

Pre-Suit Notice of Claim under FS 768.28 (6)(a)
Dated August 3, 2020 from Attorney for Plaintiff

Donovan Mackey and Dee Mackey, Plaintiff

Vs.

LOXAHATCHEE RIVER DISTRICT, Defendant.

On or about October 2019 sewage back up into 141 Beacon Lane, Jupiter, FL 33469 (Jupiter Inlet Colony). Plaintiffs claim personal injury from the sewage back up.

August 3, 2020, District notified District's insurance carrier of the claim.

August 18, 2020, Insurance Adjuster for the District assigned the claim.

Plaintiff cannot file suit until claim is denied. 768.28 (6)(b).

Pre-Suit Notice of Claim under FS 768.28(6)(a)
Universal Property & Casualty Insurance Company a/s/o Betty
Cavanagh & Jules Formel, Plaintiff

Vs.

LOXAHATCHEE RIVER DISTRICT, Defendant.

On or about November 18, 2020 sewage back up into 18081 SE Country Club Drive, Apt 4-33, Tequesta, FL 33469. The Owners, Betty Cavanagh & Jules Formel made claim to their insurance company, University Property & Casualty Company.

On April 29, 2021, 2020, the Insurance Adjuster for University Property & Casualty Company notified the District's Insurance Company, PGCS Claims Services of the claim.

On July 13, 2021, University Property & Casualty Company, as subrogee of Betty Cavanagh & Jules Formel, notified the District in accordance with 768.28, the District has 6 months from receipt of the letter to investigate this claim and provide formal acceptance or denial. Plaintiffs claim property damage from the sewage back up in the amount of \$26,860.

Plaintiff cannot file suit until claim is denied. 768.28 (6)(b).

LIEN FORECLOSURES

NONE

MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS

NONE

*Loxahatchee River Environmental Control District
Monthly Status Report
November 5, 2021*

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

The following is a summary of work performed by Baxter and Woodman, Inc. (B&W), on District projects for the monthly period ending November 5, 2021.

Olympus Drive Force Main and Low Pressure Sewer Replacement

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

- Reviews of Contractor's record drawings have been performed and returned to the Contractor for corrections.
- Deficiency in the installation of a portion of the force main along Celestial Way was identified in the record drawings by B&W. The deficiency could become an operational issue in the future.
- Negotiations with the Contractor are ongoing to remedy the deficiency at this time or to have the Contractor provide a Performance Warranty with a monetary remedy so the District can perform the corrections as needed if necessary.

Alternate A1A 24-Inch Force Main Cleaning & Inspection

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

- The Contractor has restored the force main and work areas on both sides of the bridge. The only remaining work is to seed and mulch an area on the north-side of the bridge.
- The Contractor intends to submit a pay application within the next couple weeks so the project can be closed out.

Irrigation Quality 511 (IQ-511) Pump Station Piping Improvements

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

- The Contractor mobilized on August 23, 2021 and has completed the Effluent Bypass Bay. The electrician is currently installing conduit onsite.
- Mechanical work shall not continue until materials arrive onsite. The pipe materials are expected to arrive in late December 2021.
- Submittals are 75% complete and on-going.
- Contractor is still working to submit an acceptable schedule per the contract completion dates. Contractor is experiencing delays due to long lead times / material shortages. B&W is working with Contractor on options to best proceed with expediting the schedule in consideration of material issues.
- Monthly Progress Meeting No. 3 is scheduled for October 8, 2021.

Lift Station Fall Protection Improvements

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

- The Contractor received delivery of group 2 fall protection grates and installations resumed the week of October 11, 2021.
- Final Inspections of the work are being conducted as each lift station is completed.

GPR Locating Equipment Training

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

- B&W conducted the first training day event on April 30, 2021 with District staff.
- The District notified B&W that the Training Session was a success and will be in contact to schedule an additional session soon.

Risk Management / Process Safety Plan

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

- The Final RMP was submitted to the District on October 7, 2021.
- This project is completed. This will end our reporting for this project.

Respectfully Submitted by:

BAXTER & WOODMAN, INC.



Rebecca Travis, P.E.
Executive Vice President / Florida Division Manager

November 8, 2021

Mr. Kris Dean, P.E.
Deputy Director/Director of Engineering
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, FL 33458

Subject: Monthly Progress Report

Dear Mr. Dean:

The Odor Control Study has been completed and delivered; therefore, the monthly progress letter will continue to include progress of the only ongoing Carollo project, the MLS Bypass Study.

The following activities were conducted in the month of October 2021 for the MLS Bypass Study:

1. Completed all activities of Task 2 – Data Gathering and Planning Framework. Conclusions were presented at a progress meeting on October 27, 2021.
2. Continued hydraulic model troubleshooting under Task 3 – identified and corrected instabilities including physical, operational, and numerical. This is a normal and critical step, seldom time-consuming, at the start of any hydraulic model calibration.
3. Conducted calibration activities, up to a limiting point where the model became highly sensitive to operations and controls assigned at the master lift station (LS 1) and the booster pump station (LS 200). Field visits to these stations and others on VFDs was proposed to understand the typical operating procedure that should be mimicked in the model.
4. Prepared and held a progress meeting.

Next month's activities include:

1. Perform site visits to understand the typical operating procedure that should be mimicked in the model.
2. Complete hydraulic model calibration.
3. Start Task 4 – MLS Bypass Feasibility
4. Continue to develop project documentation – Task 7.

Project activities will continue per schedule adjustment proposed and approved by District during the October 27, 2021 progress meeting.

Please let me know if you have any questions.

Sincerely,

CAROLLO ENGINEERS, INC.

Mr. Kris Dean, P.E.
Deputy Director/Director of Engineering
November 8, 2021

Page 2



Elizabeth Fujikawa, P.E., LEED AP
Vice President



**Loxahatchee River Environmental Control District
 CMA Project Status Update
 November 3, 2021**

| CMA Project/Proposal # | Name | Status |
|---------------------------|---|--|
| PROPOSALS | | |
| P21.494 | 2500 Jupiter Park Drive Conceptual Site Planning | <ul style="list-style-type: none"> • Contract approved by Board 10/21/21 • Kick-off meeting scheduled for 11/12/21 |
| PROJECTS | | |
| 494.001 | BLM House Demolition and Reconstruction | <ul style="list-style-type: none"> • Conceptual Design Memorandum and building layout options approved by Board 10/21/21 • 90% drawings and specifications in progress |



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: November 11, 2021
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 November 11, 2021. **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.**

Lift Station No. 082 Improvements

- *HCE is currently in the process of reviewing submittals provided by the Contractor. The Contractor has submitted a permit application to the Town of Jupiter and is currently working on getting the maintenance of traffic plan approved. The Contractor has also submitted a schedule, but due to delays in procurement of materials for the project is not anticipated to mobilize onto the project site until the beginning of 2022.*

Country Club Drive Force Main Transmission System Preliminary Evaluation

- *District staff will be replacing the pumps at Lift Station #70 and subsequently collecting data for two weeks to provide to HCE. Upon receipt of the updated data, the hydraulic model will be completed. The technical memorandum will be submitted within two weeks after completion of the model.*

Lift Station #163 Emergency Generator Improvements

- All construction work is complete for the project. The Contractor still needs to submit final record drawings, payment request, and closeout paperwork. Once these items are submitted the project will be closed out.

Jupiter Inlet Lighthouse Septic to Sewer

- HCE is currently working on finalizing changes to the drawings and contract documents based upon District and Town of Jupiter comments. Final design documents will be transmitted to the District by November 12, 2021. Upon acceptance by the District, the project can proceed with bidding and will be submitted to the Town of Jupiter for final approval.



Lift Station Telemetry Improvements

- Design of the project is under way and a 90% submittal will be submitted to the District for review and comment by November 30, 2021.

Rolling Hills Gravity Sewer System, Lift Station, & Force Main

- The pre-bid meeting was held on November 2, 2021. Two addendums have been issued to answer questions and extend the bid date. Bids are due on November 30, 2021, and the bid opening is scheduled for December 2, 2021, with anticipation that a recommendation of award can be made at the December 2021 board meeting.

Injection Well Pump Manual Transfer Switch Addition

- *An on-site meeting still needs to be scheduled with the District to test the Standard Operation Procedure (SOP) for the Electrical Building #3 Portable Generator Connection.* Bids were opened on October 29, 2021, and two bids were received. HCE has reviewed the bids and has provided a recommendation of award to the lowest responsive and responsible bidder, Zabatt Engine Services, Inc. in the amount of \$186,160.56

Operational Greenhouse Gas Emissions and Cost Assessment

- The team is currently finalizing the greenhouse gas tool. Upon receipt of final information requested from the District, the team will provide the updated tool to the District for review and testing within a week of receiving the information. The draft technical memorandum will be submitted three weeks after receipt of final information and will be finalized one week after receipt of District review comments.

Master Lift Station No. 1 Traveling Bridge Crane Solicitation

- Bids were opened on November 4, 2021, and three bids were received. HCE has reviewed the bids and has provided a recommendation of award to the lowest responsive and responsible bidder, Boromei Construction, Inc. in the amount of \$188,184.00.

Vac-Con Truck Off-Loading Area Preliminary Design Analysis

- *HCE is currently working on the preliminary design analysis and upon receipt of information from the vendor and requested information from the District the technical memorandum will be completed and transmitted to the District.*



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ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

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**Loxahatchee River Environmental Control District
Master Plan 20-AC “Sierra Square” @ 9278 Indiantown Rd
LRECD PO# 21-0649 / KCI #482021095.01**

Progress Report

To: Mr. Kris Dean, P.E., Deputy Executive Director/Director of Engineering
From: Todd Mohler, RLA, KCI, Project Manager
Date: November 5, 2021

ACTIVITIES

KCI Technologies progress report updates for the current billing period are:

Activities and Support:

1. **Survey:** Complete.
2. **Environmental:** Complete.
3. **Civil Engineering:** Phase 1 services Complete.
4. **Landscape Architecture:** Phase 1 Services Complete.
5. **Architecture:** Phase 1 Services Complete.
6. **Geotechnical:** Complete.

Phase 2 Services will begin after LRECD review of Phase 1 deliverables.



Busch Wildlife Sanctuary

The 4th Quarter Report will be presented at the January 2022 Board Meeting.

J:\Board\Notebook\BWS No Update





LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

MEMORANDUM

TO: Governing Board
FROM: Kara Fraraccio, Director of Finance and Administration
DATE: November 12, 2021
SUBJECT: Monthly Financial Report

Gordon M. Boggie
CHAIRMAN

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

Cash and Investments

Balances as of October 31, 2021
Certificates of Deposit:

| Institution | Original Term | Maturity | Rate | Book Value | Monthly Interest Earned | Market Value |
|----------------------------------|---------------|----------|--------|----------------------|-------------------------|----------------------|
| Bank United | 4 Months | 11/12/21 | 0.10% | \$ 1,053,893 | \$ 90 | \$ 1,054,213 |
| Bank United | 6 Months | 02/20/22 | 0.10% | 1,000,992 | 85 | 1,001,190 |
| Bank United | 6 Months | 02/20/22 | 0.10% | 1,000,992 | 85 | 1,001,190 |
| Bank United | 6 Months | 02/20/22 | 0.10% | 1,000,992 | 85 | 1,001,190 |
| Bank United | 6 Months | 03/12/22 | 0.10% | 1,571,460 | 334 | 1,573,356 |
| US Century | 12 Months | 08/04/22 | 0.25% | 2,500,000 | 531 | 2,501,507 |
| US Century | 12 Months | 08/04/22 | 0.25% | 2,500,000 | 531 | 2,501,507 |
| Subtotal | | | | \$ 10,628,329 | \$ 1,741 | \$ 10,634,153 |
| Money Market Accounts: | | | | | | |
| Synovus - Public Demand | | | 0.05% | | \$ 376 | \$ 7,371,628 |
| TD Bank - NOW | | | 0.10% | | 702 | 8,260,272 |
| Subtotal | | | | | \$ 1,078 | \$ 15,631,900 |
| Checking Account: | | | | | | |
| SunTrust-Hybrid Business Account | | | 0.02% | | \$ 217 | \$ 12,249,347 |
| Subtotal | | | | | \$ 217 | \$ 12,249,347 |
| Brokerage Accounts: | | | | | | |
| Vanguard GNMA ADM | | | 0.20% | \$ 600,000 | \$ 1,250 | \$ 601,250 |
| Vanguard Short-Term Treasury | | | -0.53% | 1,200,000 | (633) | 1,199,367 |
| Vanguard Short-Term Inflation | | | 0.02% | 200,000 | 32 | 200,032 |
| Subtotal | | | | \$ 2,000,000 | \$ 649 | \$ 2,000,649 |
| Total | | | | | \$ 3,685 | \$ 40,516,049 |

Average weighted rate of return on investments is: .07%

As of 10/31/21:

3 month Short Term Bond: .05%

1 month Federal Fund Rate: .25%

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Jupiter, Florida 33458

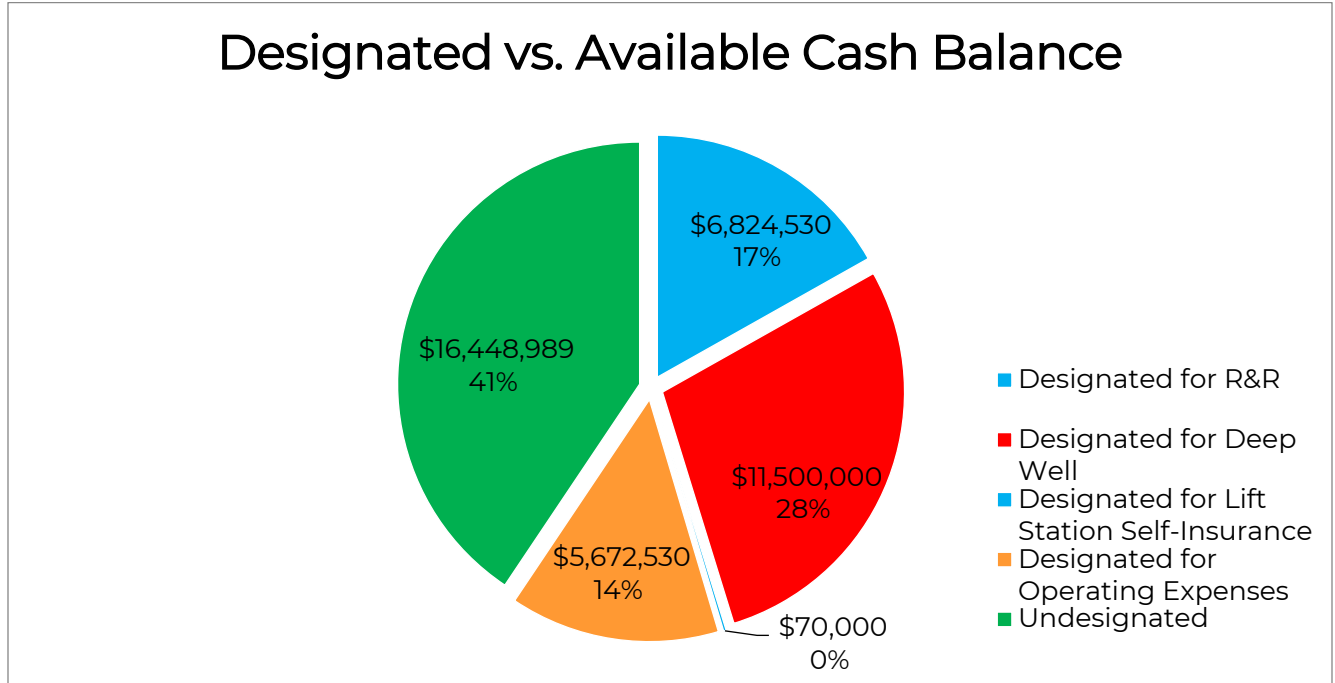
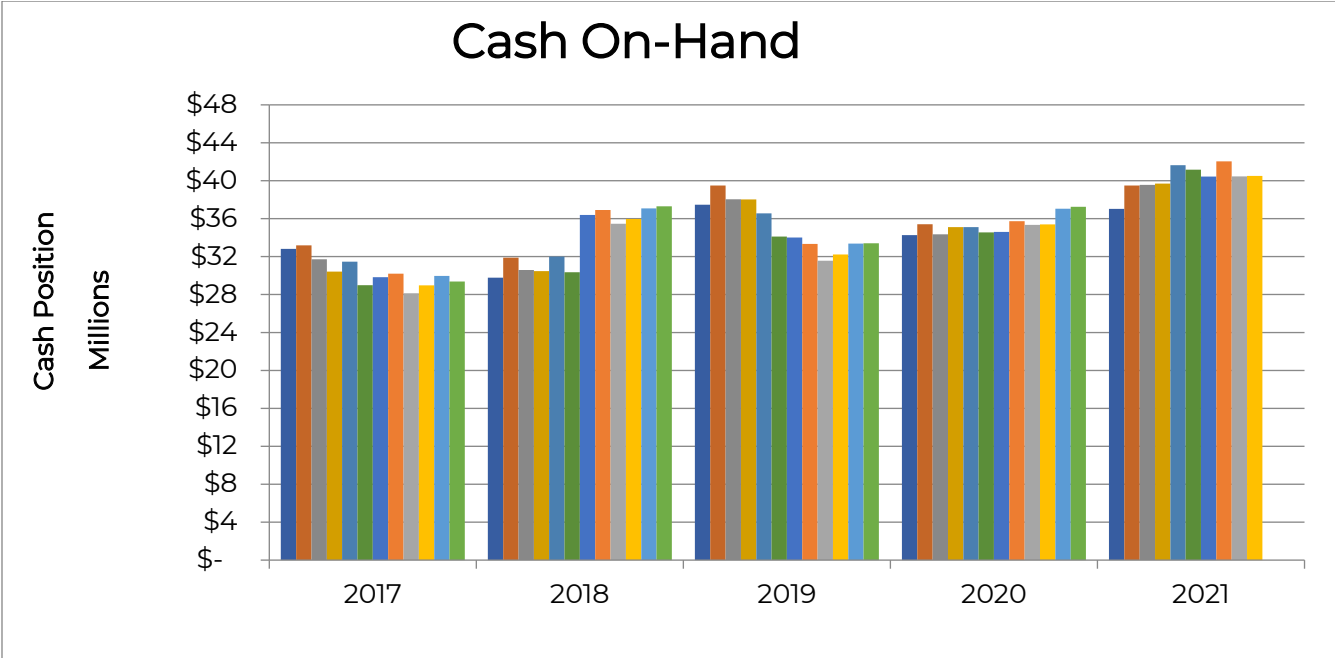
Cash position for October 2020 was \$35,399,244. Current Cash position is up by \$5,116,805.

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Financial Information

- Legal Fees billed in October were \$17,755. The fiscal year-to-date total is \$17,755.
- There was no Septage billing for the month of October.
- Developer’s Agreement – There were no new Developer Agreements in October.
- I.Q. Water Agreements – Jupiter Country Club is past due for October.
- Estoppel fees collected in October totaled \$8,225. The fiscal year-to-date total is \$8,225.

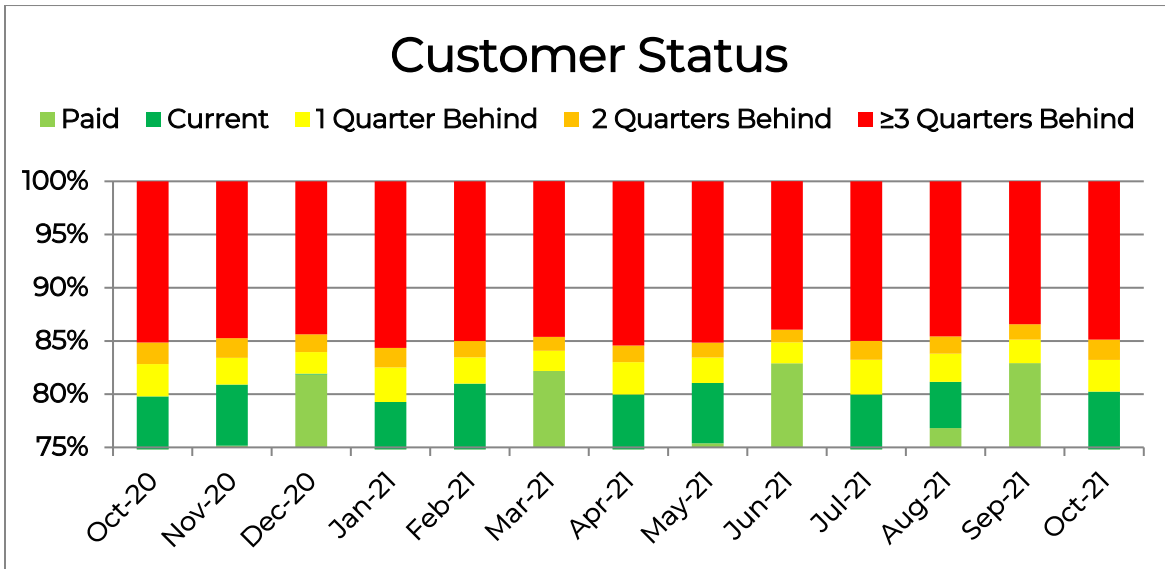
Summary of Budget vs. Actual

| <i>Budget Benchmark</i> 8% | Oct-21 Actual | YTD Actual | FY 22 Budget | Favorable (Unfavorable) | Budget Expended | Oct-20 YTD |
|------------------------------------|---------------------|---------------------|----------------------|----------------------------|--------------------|---------------------|
| Revenues | | | | | | |
| Operating Revenues | | | | | | |
| Regional Sewer Service | \$1,409,957 | \$1,409,957 | \$17,100,000 | \$ (15,690,043) | 8.25% | \$1,397,394 |
| Standby Sewer Service | 9,495 | 9,495 | 73,000 | (63,505) | 13.01% | 8,249 |
| IQ Water Charges | 190,645 | 190,645 | 2,326,000 | (2,135,355) | 8.20% | 189,732 |
| Admin. and Engineering Fees | 1,162 | 1,162 | 38,000 | (36,838) | 3.06% | 4,915 |
| Other Revenue | 55,110 | 55,110 | 424,490 | (369,380) | 12.98% | 36,866 |
| Subtotal Operating Revenues | 1,666,369 | 1,666,369 | 19,961,490 | (18,295,121) | 8.35% | 1,637,156 |
| Capital Revenues | | | | | | |
| Assessments | | | 1,188,997 | (1,188,997) | 0.00% | 63,424 |
| Line Charges | 5,528 | 5,528 | 287,000 | (281,472) | 1.93% | 24,474 |
| Plant Charges | 34,424 | 34,424 | 898,000 | (863,576) | 3.83% | 48,087 |
| Capital Contributions | | | 800,000 | (800,000) | 0.00% | |
| Subtotal Capital Revenues | 39,952 | 39,952 | 3,173,997 | (3,134,045) | 1.26% | 135,985 |
| Other Revenues | | | | | | |
| Grants | | | | | | |
| Interest Income | 3,308 | 3,308 | 613,000 | (609,692) | 0.54% | 11,091 |
| Subtotal Other Revenues | 3,308 | 3,308 | 613,000 | (609,692) | 0.54% | 11,091 |
| Total Revenues | \$ 1,709,629 | \$ 1,709,629 | \$ 23,748,487 | \$ (22,038,858) | 7.20% | \$ 1,784,232 |
| Expenses | | | | | | |
| Salaries and Wages | \$255,512 | \$255,512 | \$6,522,000 | \$ 6,266,488 | 3.92% | \$247,622 |
| Payroll Taxes | 18,169 | 18,169 | 470,200 | 452,031 | 3.86% | 17,535 |
| Retirement Contributions | 34,947 | 34,947 | 946,800 | 911,853 | 3.69% | 36,917 |
| Employee Health Insurance | 111,612 | 111,612 | 1,558,400 | 1,446,788 | 7.16% | 104,323 |
| Workers Compensation Insurance | 28,502 | 28,502 | 73,700 | 45,198 | 38.67% | 28,252 |
| General Insurance | 199,196 | 199,196 | 374,995 | 175,799 | 53.12% | 215,768 |
| Supplies and Expenses | 139,681 | 139,681 | 1,036,285 | 896,604 | 13.48% | 115,364 |
| Utilities | 98,175 | 98,175 | 1,407,908 | 1,309,733 | 6.97% | 98,328 |
| Chemicals | 19,245 | 19,245 | 503,000 | 483,755 | 3.83% | 24,705 |
| Repairs and Maintenance | 382,635 | 382,635 | 1,858,362 | 1,475,727 | 20.59% | 281,862 |
| Outside Services | 123,506 | 123,506 | 2,040,930 | 1,917,424 | 6.05% | 101,127 |
| Contingency | | | 225,000 | 225,000 | 0.00% | |
| Subtotal Operating Expenses | 1,411,180 | 1,411,180 | 17,017,580 | 15,606,400 | 8.29% | 1,271,803 |
| Capital | | | | | | |
| Capital Improvements | 48,882 | 48,882 | 10,537,513 | 10,488,631 | 0.46% | 1,376,407 |
| Subtotal Capital | 48,882 | 48,882 | 10,537,513 | 10,488,631 | 0.46% | 1,376,407 |
| Total Expenses | \$ 1,460,062 | \$ 1,460,062 | \$ 27,555,093 | \$ 26,095,031 | 5.30% | \$ 2,648,210 |
| Excess Revenues | | | | | | |
| Over (Under) Expenses | \$ 249,567 | \$ 249,567 | \$ (3,806,606) | \$ 4,056,173 | | \$ (863,978) |

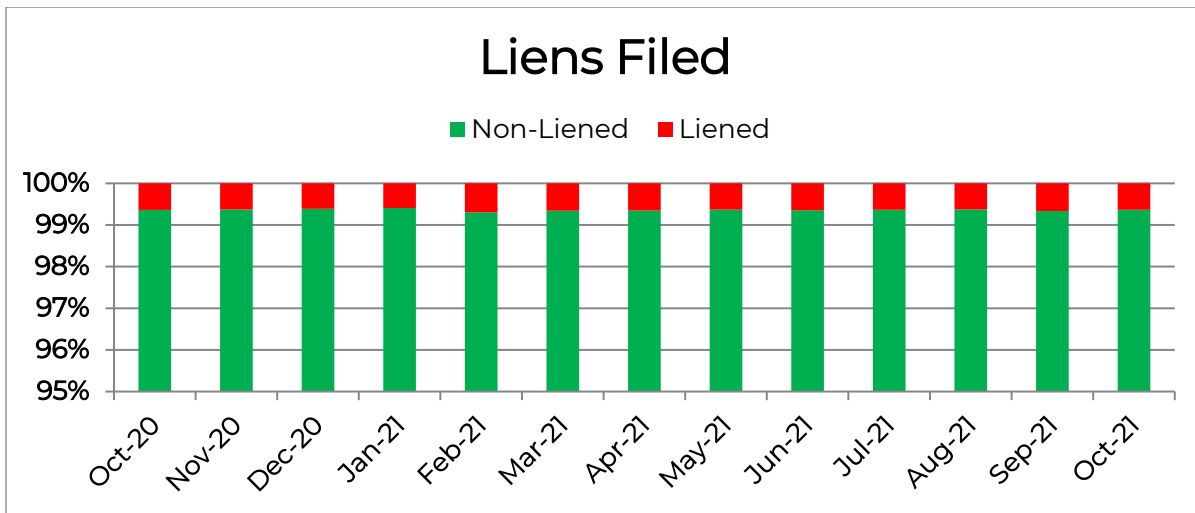
Total Capital expenses incurred and encumbered totaled \$4,239,655 or 40% of the capital budget. This includes funds encumbered in a prior fiscal year for projects that stretch across multiple fiscal years.

Accounts Receivable

The chart below illustrates customers' receivable status as a percentage of quarterly sewer billing. Paid or current balances represent approximately 80% billing.



The District serves approximately 33,000 customers. Currently, the District has 210 liens filed which represent approximately 1% of our customers.



Pending/Threatened Litigation

- Vehicle Accident – The District received a legal summons related to a vehicle accident involving a District vehicle. This claim is currently being handled through the District's General Liability Insurance provider, PRIA. PRIA has assigned the firm of Roberts, Reynolds, Bedard & Tuzzio, PLLC to represent the District.
- Beacon Lane – The District received a formal notice that a negligence claim is being made on behalf of a resident on Beacon Lane from injuries sustained as a result of septic and sewage over-flow at the property. We notified the District's legal counsel, the project engineers, the contractor, and the District's General Liability Insurance provider, PRIA.



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

TO: D. Albrey Arrington, Ph.D., Executive Director
FROM: Kris Dean, P.E., Deputy Executive Director/Director of Engineering Services

Gordon M. Boggie
CHAIRMAN

DATE: November 10, 2021
SUBJECT: Engineering Services Report

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

Capital Projects

Schedule (FLOAT = -55 Days)

The overall Capital Program schedule moved into yellow as predicted this month with 4 new projects becoming active and completion of the Odor Control Study. Over the next 2-3 months the schedule should continue to show improvement and return to green as several projects complete design/bid and move into contracting phases.

Project highlight

Master Lift Station 001 Flow

The Master Lift Station Flow Transmitter (pictured right) receives flow rate data from a mag-meter flow tube and sends the flow data to SCADA to be utilized for troubleshooting in the collection system and the plant.

During data collection for the Master Lift Station Bypass Study, it was discovered that there was an error in data collection for the flow meter. Collections performed troubleshooting procedures and determined the flow transmitter was sending invalid flow data and the display had failed from sun exposure.



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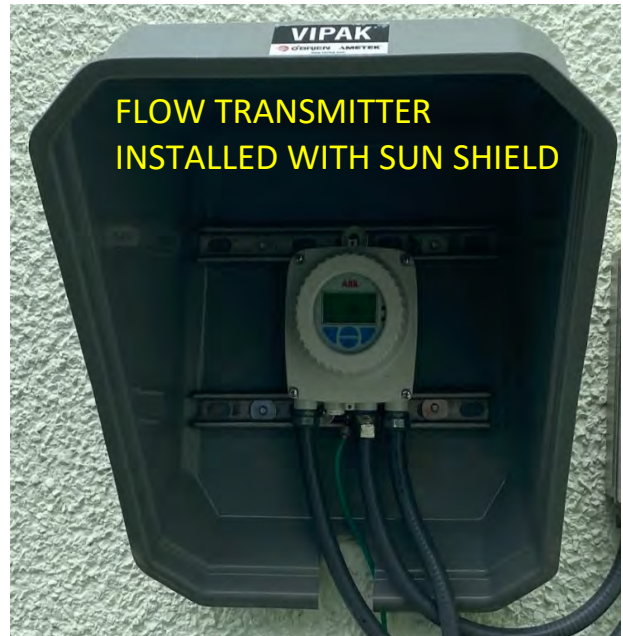
Water Reclamation - Environmental Education - River Restoration



Collections contacted multiple vendors and requested expedited shipping of a replacement transmitter. Unfortunately, the manufacture lead time was over three weeks. Collections then looked for alternative solutions and identified a portable Greyline ultrasonic doppler flow meter (pictured left) as a temporary solution to keep data collection for the Master Lift Station Bypass Study moving forward and maintain troubleshooting capabilities.

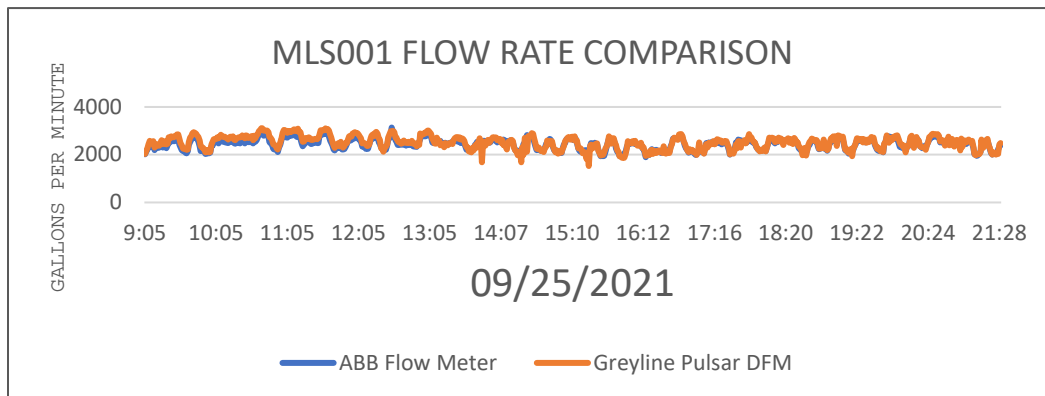
Collections received the Greyline ultrasonic doppler at no cost on a trial basis from a vendor. The installation of the portable doppler was straightforward and quick, with most of the time consisting of setup for a confined space entry. Once installed, the data provided by the portable doppler was compared to Master Lift Station historical flow data and found to be within five to ten percent of historical values.

Once the installation and validation of the doppler meter was complete staff planned for the installation of the replacement ABB flow transmitter. As part of planning staff performed a root cause analysis on the sun damaged display and determined a sun shield to be a viable solution, preventing direct sunlight from hitting the display. Once the replacement ABB flow transmitter was received, staff installed the sun shield and replacement transmitter (pictured right).



To confirm the installation and meter calibration staff compared the replacement meter to historical flow data and performed a data comparison between the ABB magnetic flow meter and the Greyline ultrasonic doppler meter. The data comparison was performed at one-minute intervals for twelve hours. The individual data points between the Greyline and ABB meters varied +/-6% and the twelve-hour average varied 2.2% (54 gallons per minute).

Based on the findings staff are requesting the District purchase a portable Greyline ultrasonic doppler unit for future troubleshooting and temporary data collection in the system.



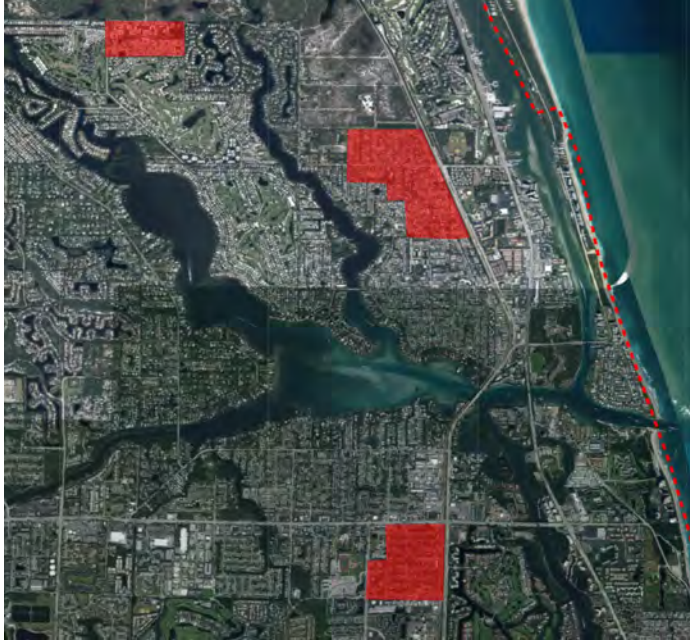
In-house Projects

Lift Station Rehabilitations General Construction Services: Site visits and design have commenced based on the prioritized inspection reports. Engineering is working on design and project set up in EAM to ensure the work moves into construction.

Staff have moved LS059 into scheduling and LS112 into procurement while final design and owner furnished equipment are being completed on LS266. The new work flow is working well with defined coordination between Collections, Inspections, Engineering and Construction.

18th Street Gravity Sewer System: Construction is complete. The contractor is working through punch list items and coordinating with staff for Palm Beach County Land Development and Florida Department of Health certification packages.

Neighborhood Sewering/Remnant Properties: The final assessment for SE Hobart Street is presented to the Board this October for consideration. Once completed we will move forward with 605 and 607 Military Trail to close out the Remnant Areas on our Neighborhood Sewering Schedule and wrap back around with IT and customer service and re-evaluate our system to confirm remnant areas on public right of way or with easement access have all been served.

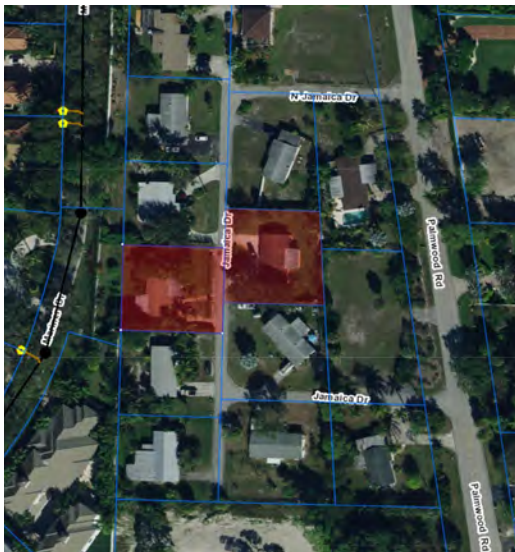
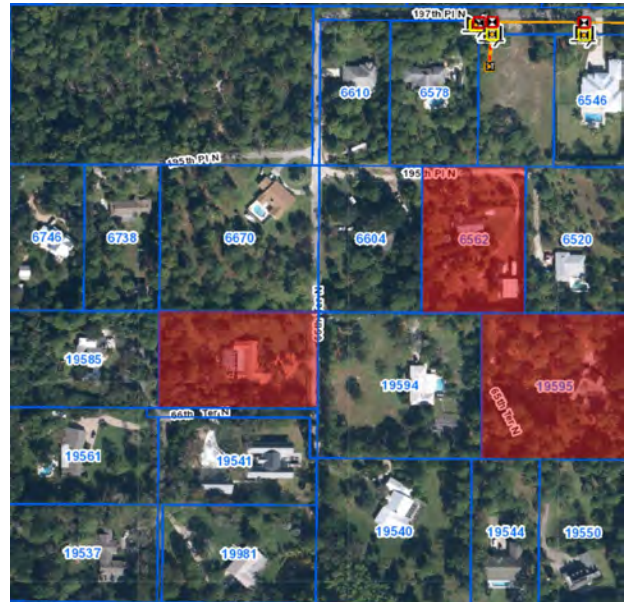


Fiscal Year 2021 Main and Lateral Lining Projects: The contractor is complete with TV Inspections for LS054, LS018 and moving LS041 and LS050. Staff in the field are working through the LS054 system verifying service lateral locations and cleanout installations while staff in the office begin preparations for lining contracts.

Statutory Way of Necessity:

19595 66th Terrace Low Pressure Sewer:

Five properties have now indicated they would like to participate in the 66th Terrace Low Pressure Sewer project under Statutory Way of Authority. FDOH has issued the permit for the original three properties and staff has issued final construction plans, cost estimates and connection fees to the three properties. Once connection fees are paid in full or the properties enter into an installment agreement staff will proceed with the installation through the low pressure general construction services contract.



Jamaica Drive Low Pressure Sewer:

Over the last two years staff has been coordinating with two property owners for utility easements to install sewers to their properties on Jamaica Drive without success. At this time both property owners have determined Statutory Way of Necessity is the preferred option and entered into letter agreements for staff to proceed on their behalf.

CONSTRUCTION



Construction mobilized the general construction services contractor to Marcinsky and US1 to repair a valve. The valve is located on the transmission main that extends from Jupiter Inlet to the southern limit of our service area in Juno Beach and broke while being exercised.

The failure resulted in the valve operator spinning freely when force was applied and led staff to believe an operator replacement would resolve the issue. With the new operator installed staff were not able to unseat the valve. This results in the need to replace the valve and

will require a major system shutdown to facilitate; an effort that was hoped would be avoided with the operator replacement.

Staff are in the planning phases for the shutdown and investigating options with the general services contractor to limit the volume of wastewater to dispose of and the time required for the shutdown.



Staff had better luck at another location with a similar valve failure. This replacement operator returned the valve to service with no shutdown required.



COLLECTIONS AND REUSE

Lift Station Red Lights: The system experienced 57 total red lights. 37 lift station red lights (with 5 stations experiencing multiple red light events) and 20 low pressure red lights (with 1 station experiencing multiple red light events).

Key Performance Indicator targets have been implemented based on a rolling 3-month period for repeat stations. These initial targets are as follows and will reduce as we improve our troubleshooting abilities (improved graphics will be provided next month):

Individual Lift Station Red Lights in Rolling 3 Months

3 times or less GREEN
3-5 times in a quarter YELLOW
>5 times in a quarter RED

Individual Lift Station Red Lights in Rolling 3 Months

<2 GREEN
2-3 YELLOW
>3 RED

Key Performance Indicator targets have been implemented based on a total number of red lights in the month:

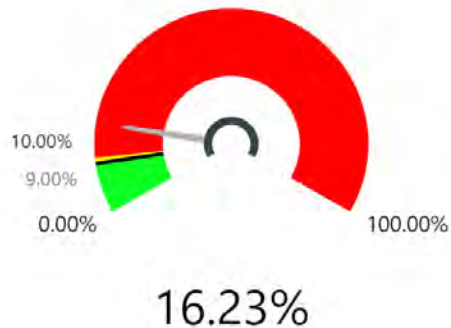
Percentage Lift Station Red Lights per Month

< 9% GREEN
9%-10% YELLOW
>10% times RED

Percentage Low Pressure Red Lights per Month

<2% GREEN
2%-3% YELLOW
>3% RED

% LS red lights to total LS stations % LP red lights to total LP Stations

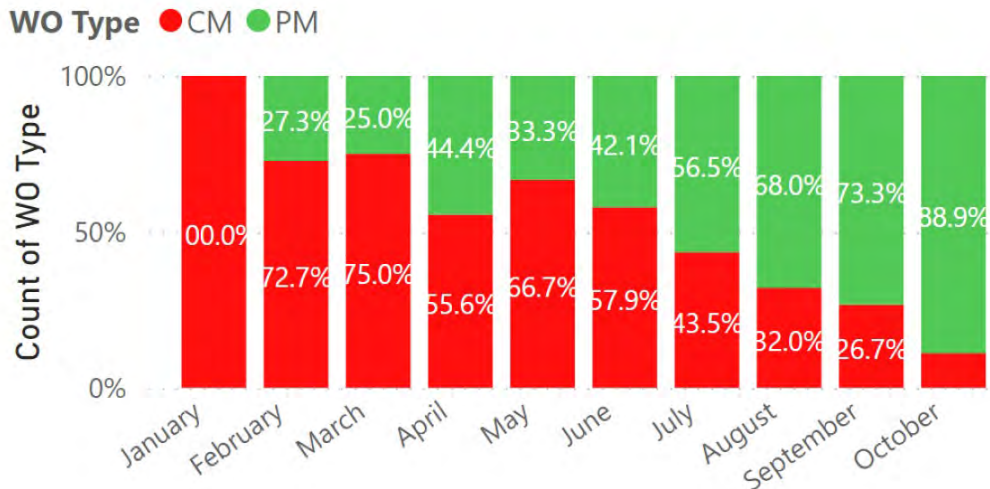
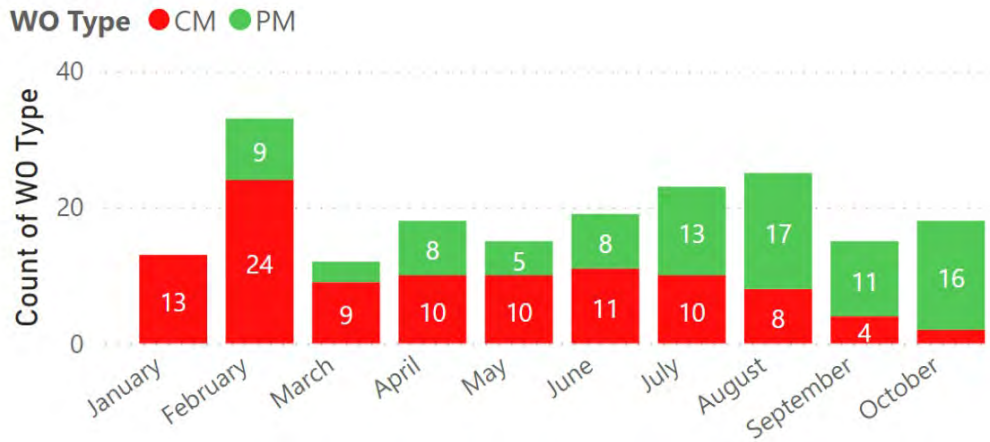


Air Release Valves: The ARV evaluation process has resulted in 265 ARVs inspected year to date. 9.4% of evaluated ARVs are out of service.

MONTHLY ARV INSPECTIONS

| Year | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| 2020 | 25 | 35 | 63 | 39 | 23 | 33 | 14 | 24 | 56 | 17 | 15 | 13 | 285 |
| 2021 | 11 | 33 | 58 | 88 | 34 | 33 | 11 | 23 | 41 | 19 | 6 | | 265 |

Wet Well Cleaning: As noted below the total # of cleanings per month is trending down and these cleanings are occurring under planned preventative maintenance (PM), not reactive corrective maintenance (CM). The top graph shows total number of cleanings. The bottom graph shows the percentage of the total cleanings for each type of cleaning.



UNAUTHORIZED DISCHARGES (fka SANITARY SEWER OVERFLOWS)

There were 6 unauthorized discharges in the collection-transmission-distribution system this month.

On October 5, 2021, LRD had an unauthorized discharge of 50 gallons of sewage overflow from a clean out. The unauthorized discharge was caused by a blockage in a gravity service lateral at a private residence in Jupiter, FL. The unauthorized discharge had stopped prior to LRD staff arriving on site. The unauthorized discharge was absorbed into the soil and the area disinfected with lime. No Storm drains or bodies of water were affected.

On October 6, 2021, LRD had an unauthorized discharge of 0.25 gallons of sewage in a valve box (LS171-VLA02) located approximately 350 feet southwest of C18 canal and 780 feet west of Roosevelt Road in Jupiter, Fl. The unauthorized discharge was caused by a failed air release valve seat. The unauthorized discharge was stopped by isolating the system until repairs could be made. The discharge was confined within the valve box and absorbed into the soil and the area disinfected with lime. No storm drains or bodies of water were affected.

On October 12, 2021, LRD had an unauthorized discharge of 0.64 gallons of reclaimed water (aka irrigation quality water) from an air release valve (IQ511-VLA35) located at the Loxahatchee River bridge on SE Island Way in Tequesta, Fl. The unauthorized discharge was caused by a failed air release valve seat. The spill was stopped by isolating the valve until repairs could be made. The spill dripped into the north fork of the Loxahatchee River. There was no recovery of the spill.

On October 28, 2021, LRD had an unauthorized discharge of 1,000 gallons of sewage at Lighthouse Plaza in Jupiter, Fl. The unauthorized discharge was caused by a grease blockage in a gravity main. 1,000 gallons of the unauthorized discharge reached a storm drain at Old Dixie Hwy. and Alternate A1A. 18,180 gallons of liquid was recovered from the storm water system using a vacuum truck. The total recovered liquid included 1000 gallons of sewage, 1150 gallons of potable water that was used to wash down parking lot, and 16,030 gallons of storm system water. Lime was used to disinfect the affected area.



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

Gordon M. Boggie
CHAIRMAN

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

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

FROM: Jason A. Pugsley, P.E., Operations – Plant Manager

DATE: November 9, 2021

SUBJECT: October 2021 Operations Department Monthly Report

Treatment Plant Division/ Maintenance Department

Overall, the month of October was productive with all monthly reports prepared and submitted on time. There were no permit exceedances this month. The treatment plant operated efficiently and met all treatment objectives. Plant flows during the month of October were generally within the same order of magnitude as the flows recorded during the month of September. The Average Daily Flow (ADF) during October was 6.97 million gallons per day (MGD) vs. 6.80 MGD in September. The Maximum Daily Flow (MDF) during October was 7.43 MGD vs. 7.18 MGD in September. The Peak Hour Flow (PHF) during October was 8,014 gallons per minute (gpm) vs. 6,257 gpm in September. The total rainfall during the month of October was 5.46 inches which was nearly identical to the total rainfall during the month of September when we received a total rainfall of 5.54 inches.

The plant experienced one (1) unauthorized discharge during the month of October. The discharge occurred due to a crack in a 1-inch diameter, polyvinyl chloride (PVC), non-potable, reclaimed water supply line servicing the headworks odor control unit. The leak was quickly isolated and repaired and reported to the appropriate regulatory agencies.

2500 Jupiter Park Drive
Jupiter, Florida 33458

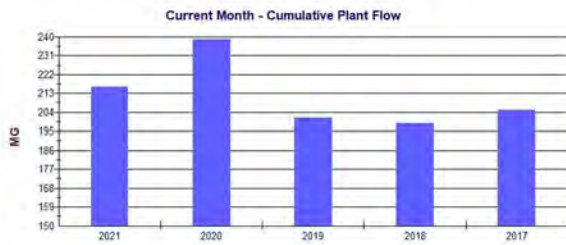
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FAX: (561) 747-9929

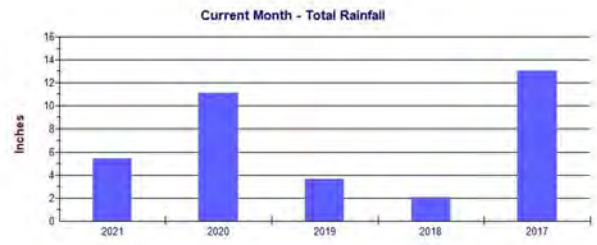
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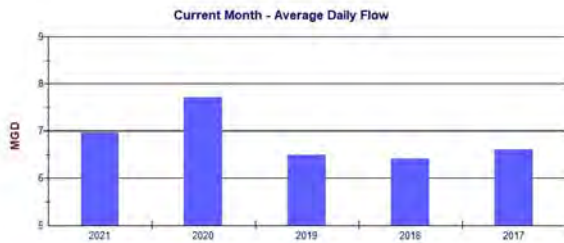
GRAPHICAL SUMMARIES OF PLANT FLOWS AND RAINFALL DATA



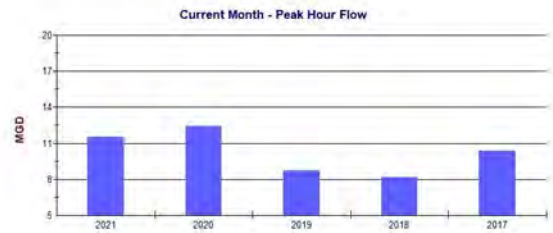
The Cumulative Influent Flow to the plant for the month of October was 216.19 million gallons.



5.46 inches of total rainfall was recorded at the plant site during the month of October.



The Average Daily Flow (ADF) for the month of October was recorded at 6.97 MGD compared to 7.70 MGD one year ago, for the same month.

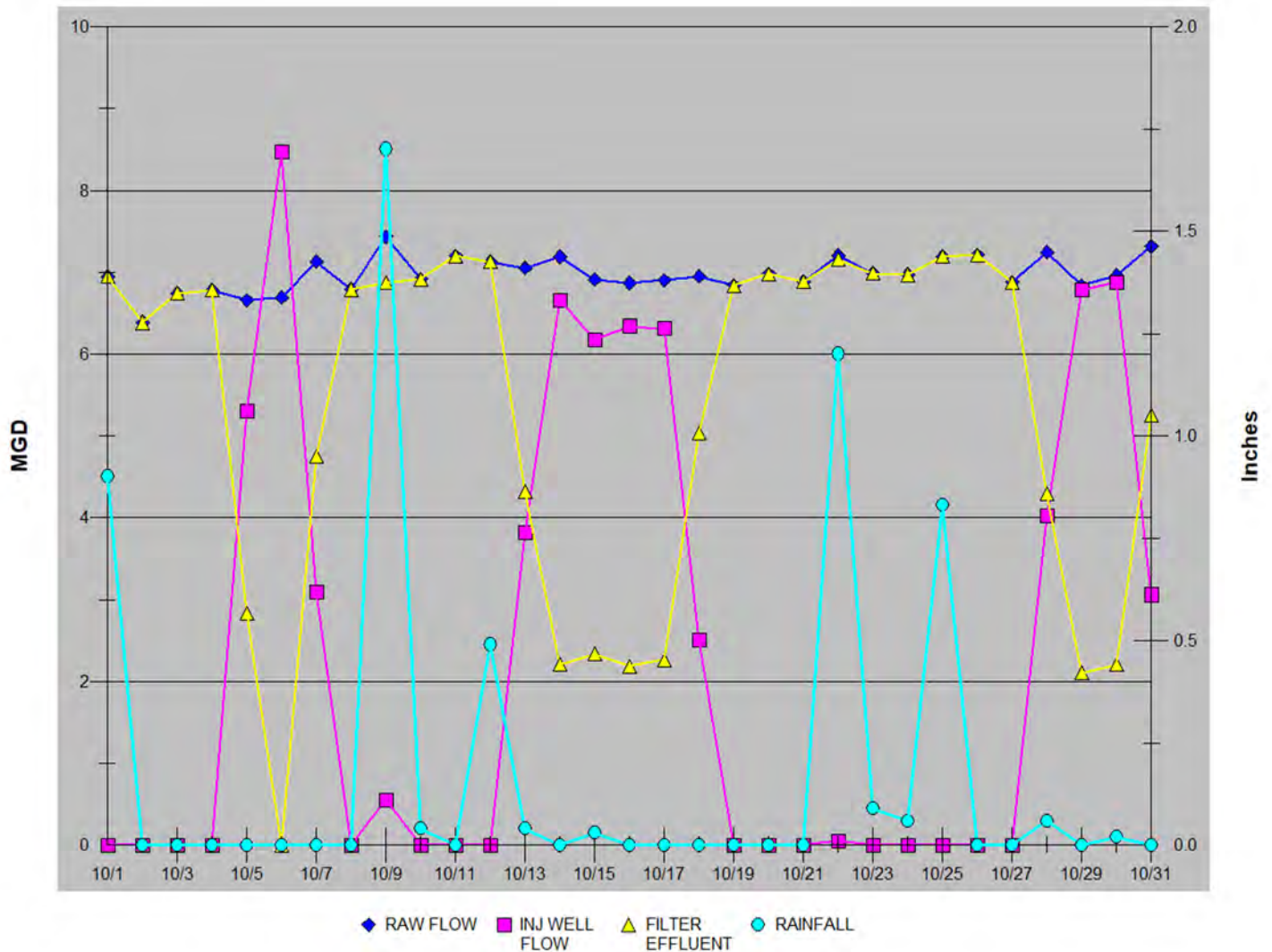


The Peak Hour Flow (PHF) for October was 8,014 GPM which equates to an equivalent daily rate of 11.54 MGD.



The Maximum Daily Flow (MDF) in October was 7.43 MGD.

For the month of October, the cumulative influent flow to the plant was 216.19 MG of which 164.66 MG was sent to the IQ storage system where it was distributed, as needed, to the various golf courses and the Abacoa development sites. A total of 5.46 inches of rainfall was recorded at the site during the month and a total of 70.01 MG of blended effluent was diverted to the Deep Injection Well. Overall, 76.16% of the plant influent flows were treated and available for reuse as IQ water. The plant delivered a total of approximately 181.84 million gallons of IQ water to the reuse customers during the month of October.



Year to date (i.e., Calendar Year 2021), approximately 88.45% of all influent flow to the plant was treated and available for reuse as IQ water. The total volume of IQ water distributed to reuse customers for the year stands at 2,115.81 million gallons.

All monthly reporting was submitted on time.

Treatment Plant:

Operations Staff continued to work diligently to perform routine monitoring, sampling and general maintenance of equipment and structures. Staff also completed special projects during the month including the replacement of the floor mounted one-ton chlorine cylinder scales in the Chlorine Building. The scales are critical to the operation and process feed control of liquid chlorine for disinfection and plant maintenance purposes including algae control at the secondary clarifiers. The scales were original to the existing Chlorine Building which was constructed in 2008 and the scales were reaching the end of their useful life.



Existing One-Ton Chlorine Cylinder Scale



New One-Ton Chlorine Cylinder Scale

During the month of October, Operations and Maintenance worked closely with a qualified systems integrator to resolve recurring operational issues within the plant programmable logic controller (PLC) system. Left uncorrected, these types of issues often manifest and cause significant process control limitations. As part of the improvements the system integrator was able to address issues related to variable speed control of the vertical turbine pumps at Filter Pump Station No. 2. Upon completion of these improvements, Operation and Maintenance Staff were able to operate the pumping units to verify proper operation following the reinstallation of the pumps. This was the first time the pumps and piping were tested following the re-leveling of the pump bases and everything operated as expected.

The mitigation of odors is one of the most critical elements at any wastewater treatment facility to minimize potential impacts to adjacent residents. To improve the operation and performance of the existing chemical scrubber type odor control system dedicated to the sludge storage tank, Staff replaced two of the three existing diaphragm type metering pumps with peristaltic hose type pumps. The diaphragm type pumps experienced multiple failures and were unreliable. Since installation of the peristaltic pumps, the pumps have operated reliably without issue.

Lastly, Plant Operator Dan Luecht worked closely with Plant Electrician Bob Ward to install local flow and level indicators for Filter Pump Station No. 1. The indicators were installed within Electrical Room No. 3 (ER-3). The addition of these indicators allows plant operators to assess these critical operational parameters from ER-3 if the station ever needed to be operated locally in the HAND mode.



New Local Flow and Level Indicator Display in ER-3 – Filter Pump Station No. 1

Maintenance Department:

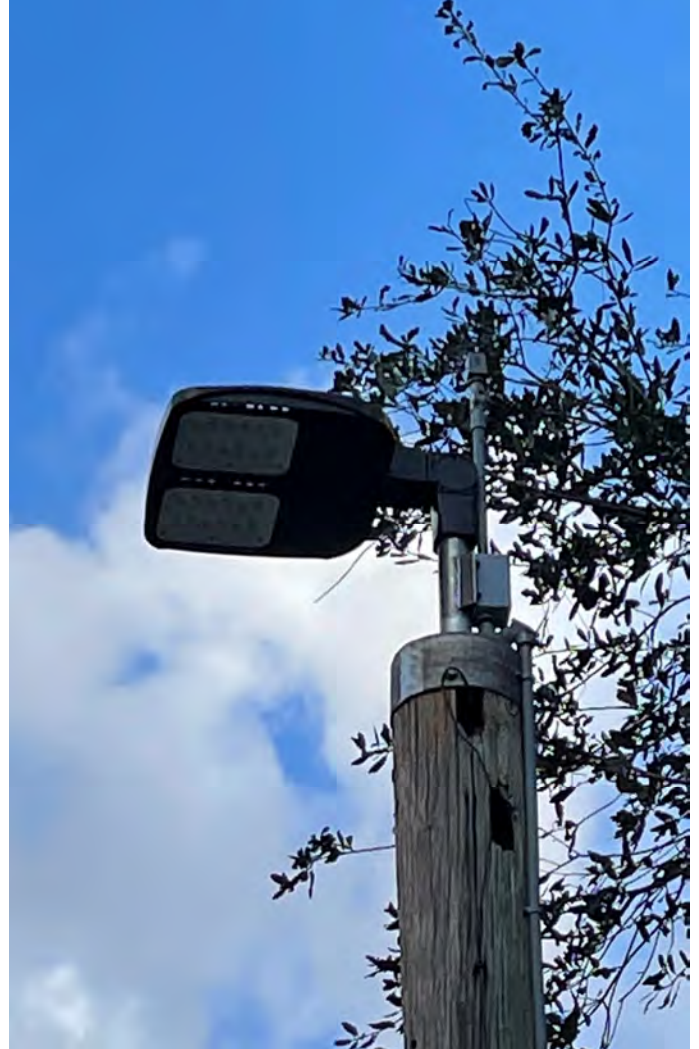
The Maintenance Department continued to efficiently perform planned maintenance (PM) tasks over the last monthly period. In addition to the completion of standard PM tasks the Maintenance Department addressed non-routine maintenance items as well as “special projects”. A few examples of these types of projects are presented below.

The Maintenance Department worked closely with the Construction Department to replace an actuator on an existing buried valve which failed making the valve inoperable. To complete the repair, Maintenance Staff fabricated a custom puller tool which allowed Construction Staff to complete replacement of the existing actuator in the field.



Replacement Actuator on Buried Plug Valve

To improve site lighting, the Maintenance Team installed a new light fixture at the entry way at Gate No. 2 (west gate off Jupiter Park Drive). As part of the installation, the Maintenance Staff fabricated an aluminum light fixture support which was secured to the top of a timber pole. The lighting fixture was an energy efficient light emitting diode (LED) type.



Site Access Gate No. 2 - Site Lighting Fixture Support



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

TO: Albrey Arrington, Ph.D., Executive Director
FROM: Bud Howard, Director of Information Services
DATE: November 12, 2021
SUBJECT: Information Services Monthly Governing Board
Update for October 2021

Gordon M. Boggie
CHAIRMAN

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

James D. Snyder
BOARD MEMBER

WildPine Ecological Laboratory

Riverkeeper Project

In October, lab staff and our partners collected water quality samples from 28 monitoring stations throughout the watershed. In addition, a total of 80 bacteria samples were tested for fecal indicator bacteria in support of several projects, including the weekly bacteria monitoring program and the post-treatment monitoring for the Nano Bubble Ozone Treatment (NBOT) Project.

The overall water quality score for October 2021 was “Fair” with 69% of all samples meeting the EPA/DEP water quality criteria. This was a slight improvement over last month’s score of 66% and October 2020’s score also at 66% (see score card below).

Total Nitrogen scored “Good” during October at 100% of sites meeting the water quality criteria; slightly better than last month’s 96% and better than October 2020’s score of 89%. By contrast, **Total Phosphorus** scored “Fair” with 75% of sites meeting the criteria, falling from “Good” last months at 83%. However, this year’s October score is far better than the October 2020 “Poor” score of 46%. **Chlorophyll**, which frequently struggles to meet the stringent water quality criteria, again scored in the “Poor” category at 46%. This is the same score from both last month as well as October 2020. For the combined fecal indicator bacteria (fecal coliforms in all waters, enterococci in marine and brackish waters and *E. coli* in fresh waters), October scores were “Fair” at 64%; up slightly from last month’s 60% but scored lower

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Jupiter, Florida 33458

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loxahatcheeriver.org

Water Reclamation - Environmental Education - River Restoration

than October 2020's 74%. Many of these observations are similar to historical values for this time of year when we see significant rainfall, lingering warm water temperatures that result in increased nutrients, bacteria and productivity.

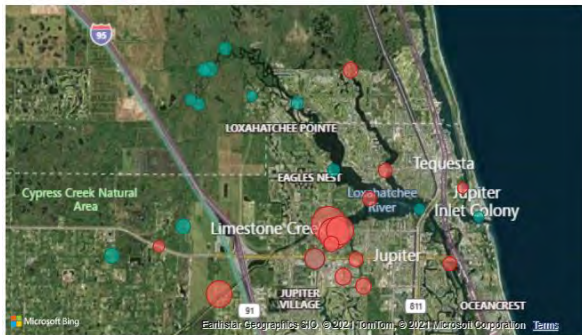


TN: Total Nitrogen, TP: Total Phosphorus, CLA: Chlorophyll a, BAC: Enterococci and E. coli bacteria

| Year | Month | # Samples | Overall Score | # TN Samples | Total Nitrogen Percent Good | # TP Samples | Total Phosphorus Percent Good | # CLA Samples | Chlorophyll Percent Good | # BAC Samples | Bacteria Percent Good |
|--------------|-----------|-------------|---------------|--------------|-----------------------------|--------------|-------------------------------|---------------|--------------------------|---------------|-----------------------|
| 2021 | October | 164 | 69% | 28 | 100% | 28 | 75% | 28 | 46% | 80 | 64% |
| 2021 | September | 164 | 66% | 24 | 96% | 24 | 83% | 24 | 46% | 92 | 60% |
| 2021 | August | 184 | 66% | 26 | 77% | 26 | 73% | 26 | 62% | 106 | 62% |
| 2021 | July | 243 | 56% | 55 | 98% | 55 | 62% | 55 | 16% | 78 | 51% |
| 2021 | June | 117 | 82% | 16 | 100% | 16 | 88% | 16 | 69% | 69 | 80% |
| 2021 | May | 136 | 88% | 22 | 95% | 22 | 91% | 22 | 64% | 70 | 91% |
| 2021 | April | 148 | 78% | 27 | 93% | 27 | 81% | 27 | 56% | 67 | 81% |
| 2021 | March | 122 | 90% | 16 | 100% | 16 | 100% | 16 | 69% | 74 | 91% |
| 2021 | February | 133 | 85% | 23 | 91% | 23 | 96% | 23 | 70% | 64 | 84% |
| 2021 | January | 147 | 84% | 27 | 93% | 27 | 85% | 27 | 78% | 66 | 83% |
| 2020 | December | 128 | 87% | 17 | 100% | 17 | 100% | 17 | 100% | 77 | 78% |
| 2020 | November | 157 | 80% | 27 | 93% | 27 | 78% | 27 | 96% | 76 | 70% |
| 2020 | October | 149 | 66% | 28 | 89% | 28 | 46% | 28 | 46% | 65 | 74% |
| Total | | 1992 | 75% | 336 | 94% | 336 | 78% | 336 | 57% | 984 | 73% |

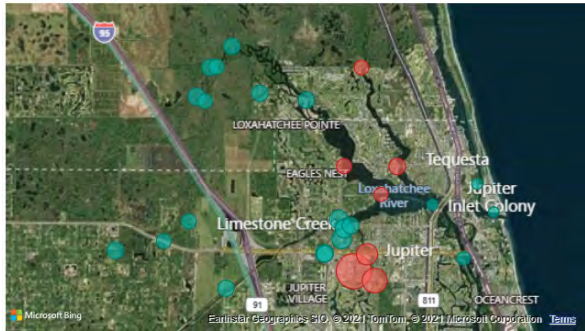
Loxahatchee River Water Quality Scorecard for Overall, Total Nitrogen (TN), Phosphorus (TP), Chlorophyll a (CLA) and E. coli and enterococci bacteria (BAC) parameters.

Chlorophyll a (ug/L)
CHL_Score ● GOOD ● POOR



Spatially, chlorophyll scored mostly "Good" along the Northwest Fork of the estuary relative to the water quality criteria. However, conditions scored "Poor" in the lower segment of the Northwest Fork as well as both sample points in the North Fork. Samples collected from the urban Jupiter sites including those from Jones and Sims Creek and the C-18 all scored "Poor" and ranged from 7.3 µg/L (Station 75) to 37.5 µg/L (Station 72). Both Intracoastal Waterway sites scored "Poor" relative to their water quality criteria. Both the Inlet site (Station 10) and central embayment site (Station 40) scored "Good".

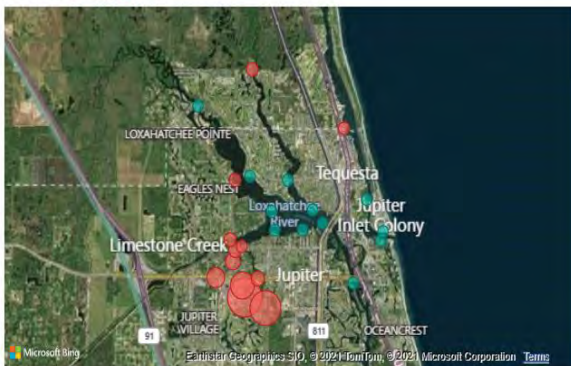
Total Phosphorus (mg/L)
 TP_Score ● GOOD ● POOR



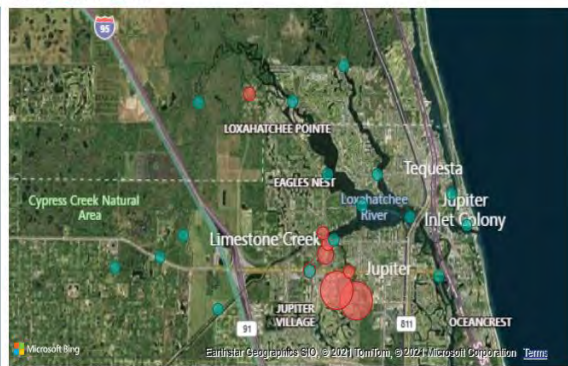
Phosphorus scored mostly “Good” in the upper Northwest Fork, western tributaries and intracoastal waterway relative to their water quality criteria. However, most samples collected from the North Fork and the Southwest Fork tested “Poor” and ranged from 0.035 mg/L (Station 42) to 0.187 mg/L (CALC).

Not surprising, the majority of the fecal indicator bacteria issues this month were located around urban Jupiter sites which include Jones and Sims Creek where the indicator bacteria we monitor is enterococci (left panel in figure below). The frequent, targeted weekly bacteria sampling in Jones/Sims Creeks put a spotlight on this area in the October results map. The Caloosahatchee culvert site (CALC) had the highest average enteric concentrations at 4,653 MPN/100 mL water. The footbridge (TPJ) had the next highest average enteric concentration at 3,955 MPN/100 mL water. Like the enteric bacteria, the fecal coliform bacteria had the poorest scores, or highest concentrations, in the Jones’s and Sim’s Creek sites with the highest concentrations at the CALC and TPJ sites both with concentrations of 15,531 MPN/100 mL water (right panel in figure below).

Enterococci Bacteria - Criteria: 130 MPN/100mL
 ENT_Score ● GOOD ● POOR

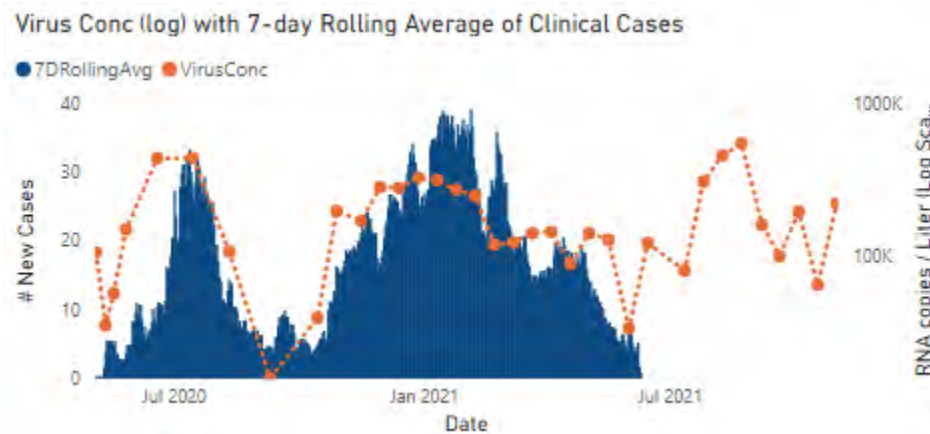


Fecal Coliform Bacteria - Criteria: 800 MPN/100mL
 FC_Score ● GOOD ● POOR



Wastewater Surveillance of COVID-19

The wastewater surveillance testing for SARS/COVID-19 in our wastewater showed some variability in our October samples. While we saw a notable decline in virus concentration on October 18, it bumped back up in our November 1st sample (figure below). The CDC is still advising caution for the upcoming holiday season, and our wastewater surveillance data indicates the virus is still circulating in our community. We will sample again on Monday, November 15 and should have results late Wednesday.



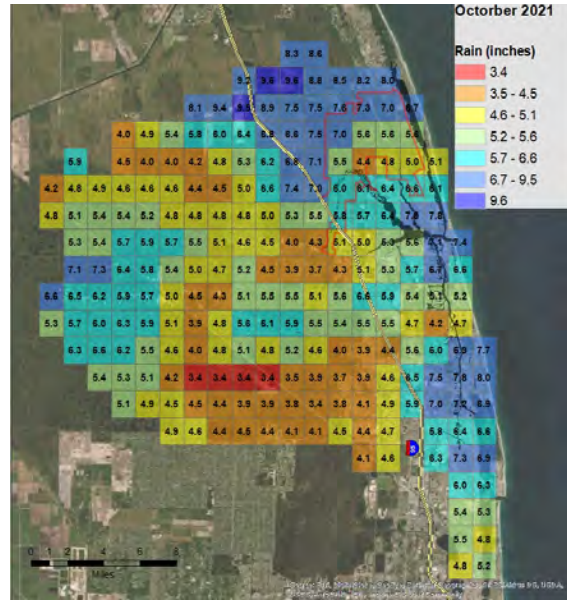
Raw virus concentration measured in LRD's wastewater by Biobot Laboratory with the 7-day rolling average of the Florida Department of Health reported COVID-19 clinical cases for zip codes 33458, 33469, and 33477 through June 6, 2021, the last day of reporting.

Hydrologic Monitoring

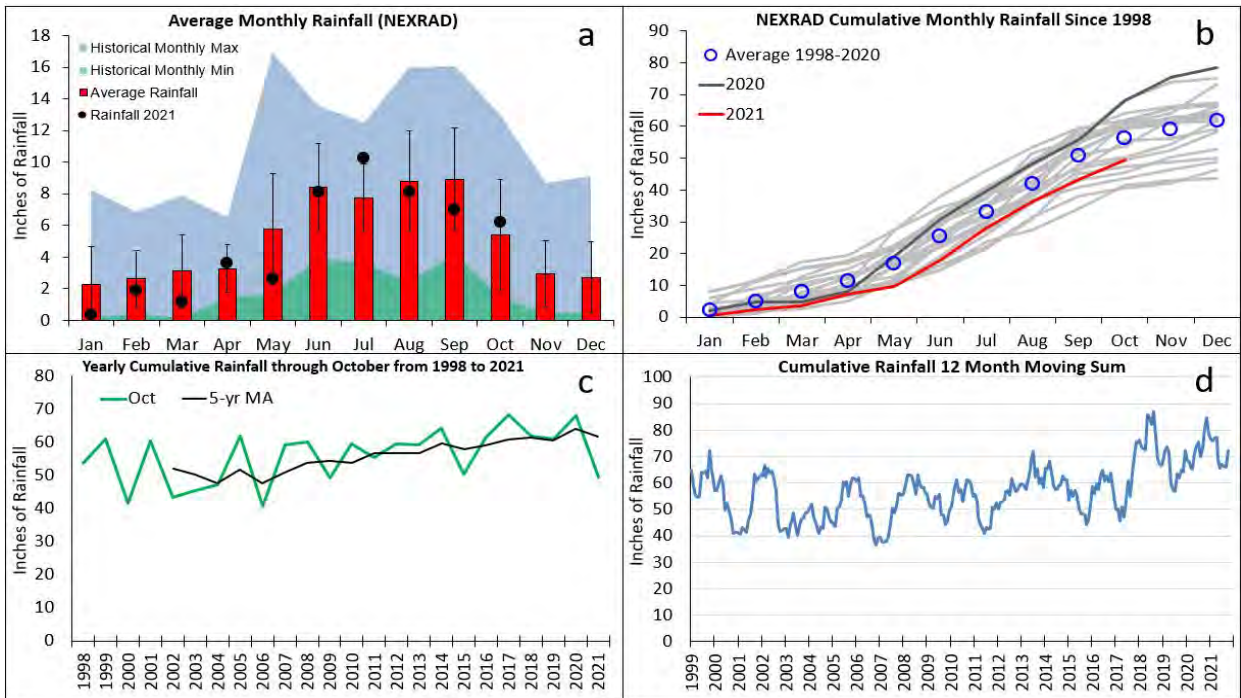
Total rainfall during October measured as an average across the watershed was 6.2" which is about 15% higher than the historical October average of 5.4" (panel 'a' in figure below) and about half of the 12.3" measured during the same time last year (October 2020). Rainfall was detected across the watershed during 20 days throughout October with the highest single-day total of 1.3" recorded on October 9. Year-to-date cumulative rainfall through October is 49.5" (panel 'b' in figure below) which is about 12% below the average of 56.2" typically expected through October and is the lowest cumulative rainfall for the period since 2006 when cumulative rainfall measured 40.6" (panel 'c' in figure below).

The 12-month moving sum of rainfall (panel 'd') also suggests an overall decreasing trend in recent rainfall with a 12-month sum of 72.1" compared to 80.4" seen this time last year. The slight upturn in Panel d is due primarily to the substantial rainfall experienced last October (12.3") and November (7.3").

Rainfall across the watershed during October showed the more typical pattern of rainfall that we see as the wet season ends and the dry season begins with more rainfall occurring nearer the coast and less in the western regions. The driest and wettest areas ranged from 3.4" near Pratt & Whiney and portions of J.W. Corbett Wildlife Management Area to 9.6" in the region just north of Jonathan Dickinson State Park (figure right). Rain falling in this area of the Park drains primarily into the Northwest Fork of the Loxahatchee River.



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.



Figures above display various measures of rainfall. Panel (a) shows average monthly rainfall from 1998 to 2020 (red bars; error bars indicate ± 1 sd). Black dots indicate monthly rainfall for 2021. The blue and green shaded areas show the maximum and minimum rainfall ever recorded for each month. Panel (b) shows monthly cumulative rainfall for each year since 1998. Red line indicates cumulative rainfall during 2021; dark gray line indicates rainfall during 2020. Blue circles are monthly cumulative average rainfall measured between 1998-2020. Panel (c) shows cumulative annual rainfall using NEXRAD radar-based data. Green line indicates cumulative rainfall through October for each year since 1998, when the radar-based rainfall measurements began. Black line is the 5-year moving average across all years. Panel (d) shows cumulative 12-month moving total of monthly rainfall.

Rainfall in recent months continue has been generally favorable for river flows, flood control releases, and salinity throughout the estuary. Flow measured at Lainhart Dam during October ranged from 187 to 329 cfs and averaged 240 cfs with an overall trend of declining flows throughout the month. This flow was more than sufficient to keep saline waters downstream. More importantly this time of year, the rainfall and saturation within the watershed did not necessitate flood control releases from the S-46 structure that can cause low salinity in the lower estuary.

Oyster Spat Monitoring

Oyster spat settlement evaluation for the 29-day period ending October 21 is complete and indicates continued above average oyster spawning and hints at a return to bimodal seasonal settlement. In the Northwest Fork, average spat density was 6,883 spat m² with a majority, or 79%, of the settlement activity occurring at the downstream site (figure below) compared to density reported from the previous period of 6,406 spat m². Density was higher than both the historical period average of 4,486 spat m² and an order of magnitude higher than the 653 spat m² counted during the same period last year (2020).

Oyster spat settlement was a different story in the Southwest Fork where average spat density was 2,525 spat m², down substantially from previous period's average density of 8,677 spat m² but remained higher than the period average of 1,566 spat m². Spat density favored the downstream site which accounted for 62% of settlement activity.

Between 2009 and 2016, oyster spat generally exhibited a bimodal settlement pattern with density peaks occurring in the spring and again in the fall with a marginal lull during the summer. Beginning 2016, both forks of the river experienced record spat density, which continued through the spring,

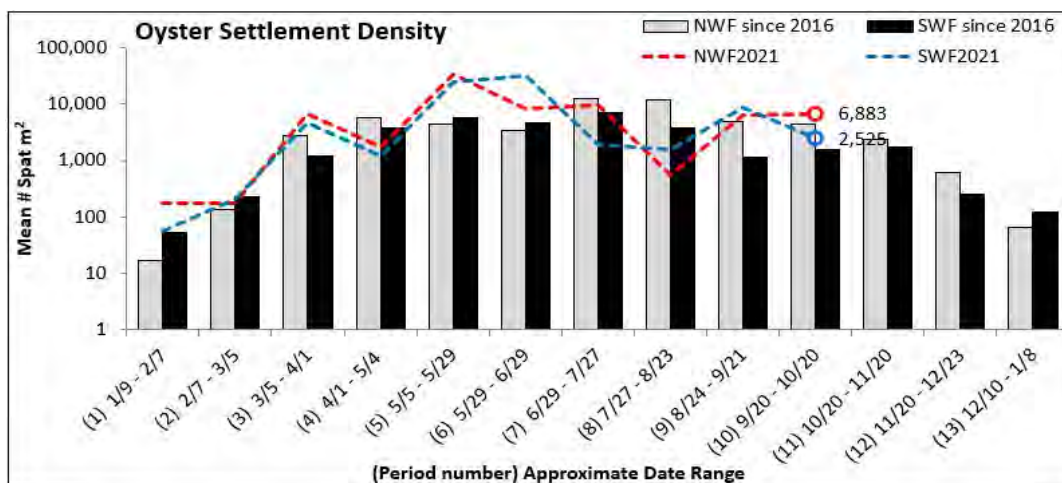


Figure shows mean oyster spat settlement for the Northwest Fork (gray bars) and the Southwest Fork (black bars) since 2016. Dashed lines show oyster spat settlement so far for 2021 in the NWF (red) and SWF (blue). Note logarithmic scale of vertical axis.

summer, and fall seasons with no apparent decline in settlement activity during the summer months. This most recent sampling suggests the bimodal peaks in oyster settlement could be returning. One hypothesis suggests that perhaps the unusual oyster settlement patterns between 2016 and 2020 are related to the increased rainfall during that time.

Seagrass Monitoring

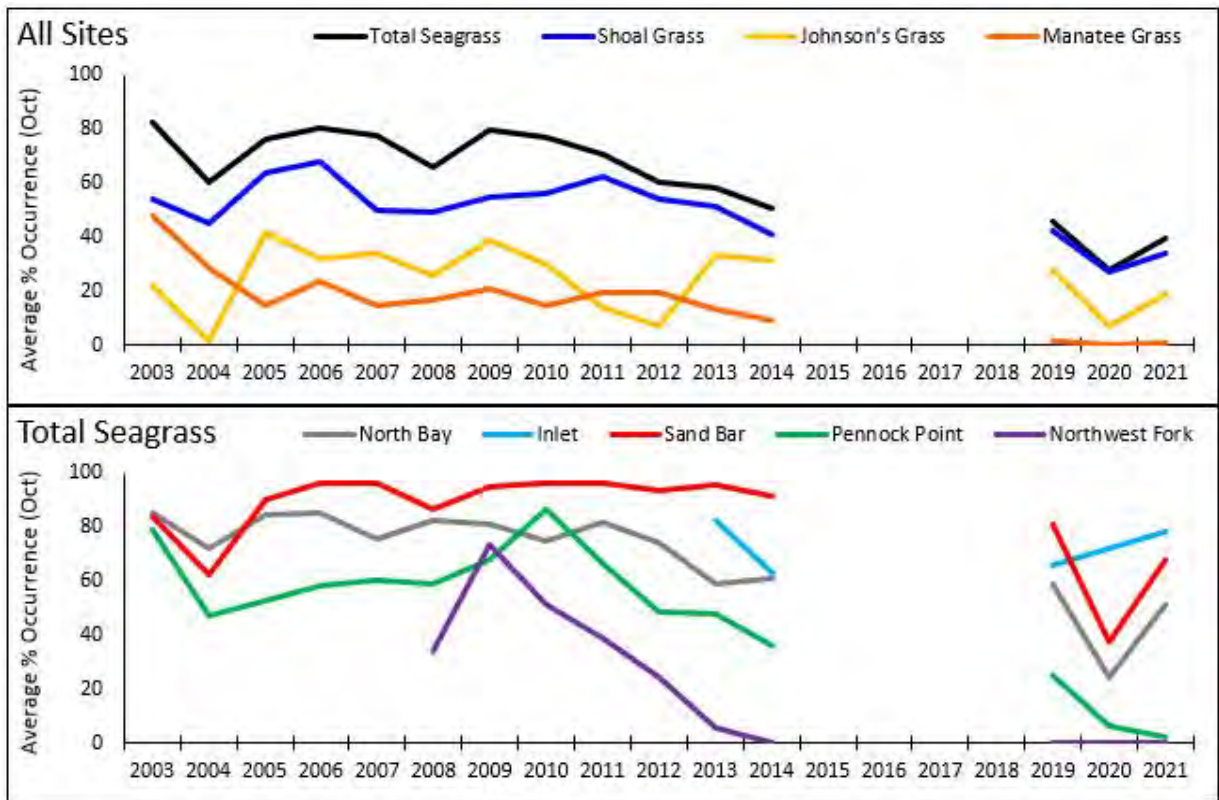
Staff from the Wildpine Laboratory along with help from volunteers and staff from Palm Beach County Department of Resource Management completed the final bimonthly seagrass monitoring for the year at all five monitoring sites and a revisit to a discontinued site in the Indian River Lagoon we had not sampled since 2015. Overall, the seagrass story was encouraging with a couple of discouraging observations. With all sites combined, the average seagrass occurrence increased slightly to 40% compared to October 2020 which was 28% but still far below historic occurrence (top panel in figure below).

This increase this year was driven primarily by increased presence of both Shoal Grass and Johnson's Grass at the Sand Bar and North Bay sites as well as the Inlet site. Additionally, there was a slight increase in the presence of Paddle Grass which accounts for some of the total seagrass figure shown below. This seagrass, similar in appearance and closely related to Johnson's Seagrass, historically had a minimal and sporadic presence on the seagrass monitoring sites but has been showing up in the sample plots with increasing frequency in recent years especially at the North Bay site. At the North Bay site, though not obvious in the summarized data, staff observed an increasing presence of Manatee Grass, often in discontinuous patches only a meter or two in size. After watching the Manatee Grass all but disappear from this site over the years where it was once abundant, it was encouraging to see some return.

Conversely, Pennock Point seagrass continued its late-season decline as this site experienced the lowest October seagrass presence on record (bottom panel in figure below). Seagrass continues to be absent from the Northwest Fork site based on our wide-spread search for seagrass there.

In October, laboratory staff revisited and surveyed the Hobe Sound seagrass site. This seagrass bed was a site that historically was part of the monthly, and later, bimonthly monitoring program and served as a "reference" site since it was considered well outside the effects of freshwater flows as well as other factors commonly associated with seagrass decline. The site is located along the western shoreline of the Indian River Lagoon about 5 miles north of the Jupiter Inlet. Historically, this site was dominated by the presence of Manatee Grass followed by Shoal Grass with occasional occurrences of Turtle Grass and Paddle Grass. This site was revisited this month because of observations made earlier in the year when a brief visual survey revealed an alarming decline in seagrass presence. Total seagrass occurrence historically oscillated around

90% through the end of 2012 (figure below). In the years following, there was a slight decline through 2015 when we stopped our routine monitoring at that site. As of the October 2021 survey, Total Seagrass has declined to only 7% and made up entirely of Paddle Grass (5.3%) and Shoal Grass (2.0%); no other species, including Manatee Grass was present. Seagrass loss at this site presents a rather perplexing question about seagrass loss since factors typically attributed to seagrass loss in densely populated estuaries (freshwater discharge, stormwater run-off, boat traffic, foot trampling, seawalls and docks, etc) are not present at this site.



Figures above display current and historical seagrass percent occurrence for the month of October by dominant species (top panel) and by site (bottom panel). Data gap between 2014 to 2019 is due to cessation of October monitoring seagrass during those years.

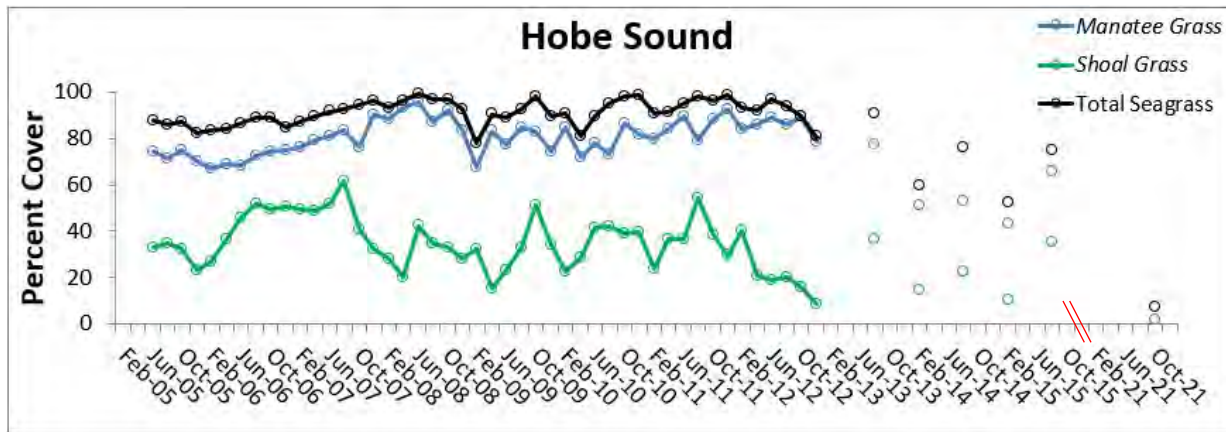
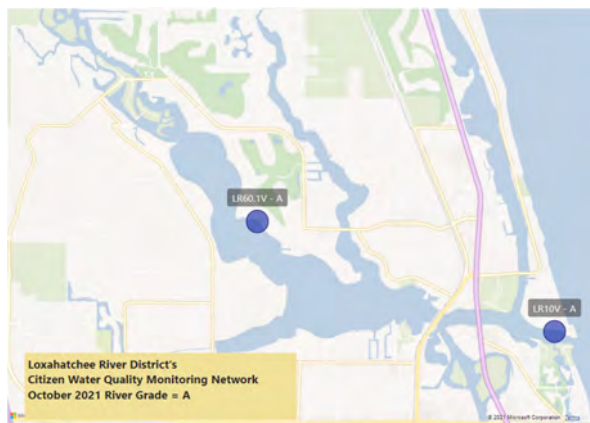


Figure above shows average percent occurrence (% frequency) for Total Seagrass (black line), Manatee Grass (blue line), and Shoal Grass (green line) at the Hobe Sound seagrass “reference” site. These are the two most abundant seagrasses encountered at this site. Timeline has been truncated to omit years of no seagrass monitoring.

Volunteer Water Quality Monitoring Program



The Volunteer Water Quality grades for both sites reporting in October scored A's. Most of the parameters for the sites scored very well this month. As rainfall increased, we observed some very minor degradation in dissolved oxygen and salinity.

| October-21 | Averaged results for the Month | | | | | | Monthly Cumulative Grades | | | | | | Cumul. Monthly | | |
|----------------|--------------------------------|--------|----------|-----|-----|------|---------------------------|-----|------|----|----|-----|----------------|-------|-------|
| Site | Temp (F) | Secchi | Salinity | pH | DO | DO% | Color | Vis | Salt | pH | DO | DO% | Color | Score | Grade |
| LR10V | 27.0 | 3.60 | 32.8 | 8.1 | 6.1 | 91.7 | 1.0 | A | A | A | B | A | A | 96.7 | A |
| LR60.1V | 25.9 | 0.94 | 18.5 | 8.2 | 5.6 | 76.8 | 1.0 | A | B | A | A | A | A | 97.6 | A |
| Average | 26.4 | | | | | | | | | | | | | 97.1 | A |

VAB (Visible at Bottom)
DO (Dissolved Oxygen)
ND (No Data)

Customer Service

Payment Processing

The Customer Service Team began the 4th Quarter Billing distribution on October 14 and processed over 9,100 payments totaling nearly \$1.2M from our quick paying customers.

New Customer Information & Billing System

We have been busy preparing a Request For Proposals for a new customer information and billing software system, payment processing services, and printing & mailing services. Our goal is to have a highly efficient, functional, and reliable CIS that is actively in development to bring continuous improvements to our staff and customers now and into the future. Because of the integration and final year of our payment services contract, and the integration of our printing & mailing services, we are including those services in our RFP as well. We are excited to begin this important and big undertaking for the District and our Customers.

Information Technology (IT)

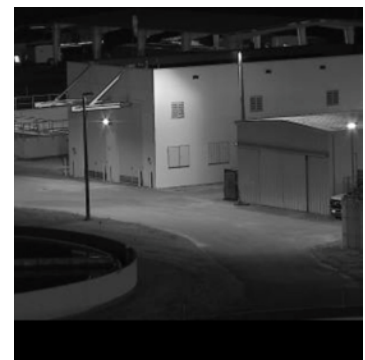
Plant Security Cameras

In addition to the new safety and security cameras we reported on last month, we installed a new pan tilt zoom (PTZ) camera near the top of our radio tower. This camera allows the operators to monitor various points of interest around the District's campus.

This heavy-duty PTZ camera meets the MIL-STD-810G standard, ensuring reliable operation in extreme weather conditions and can withstand winds up to 245 km/h (152 mph). The camera has 30x optical zoom which can provide excellent visibility to many places on the District property. It also features long-range Infrared illuminators that provide visibility even in low light situations.



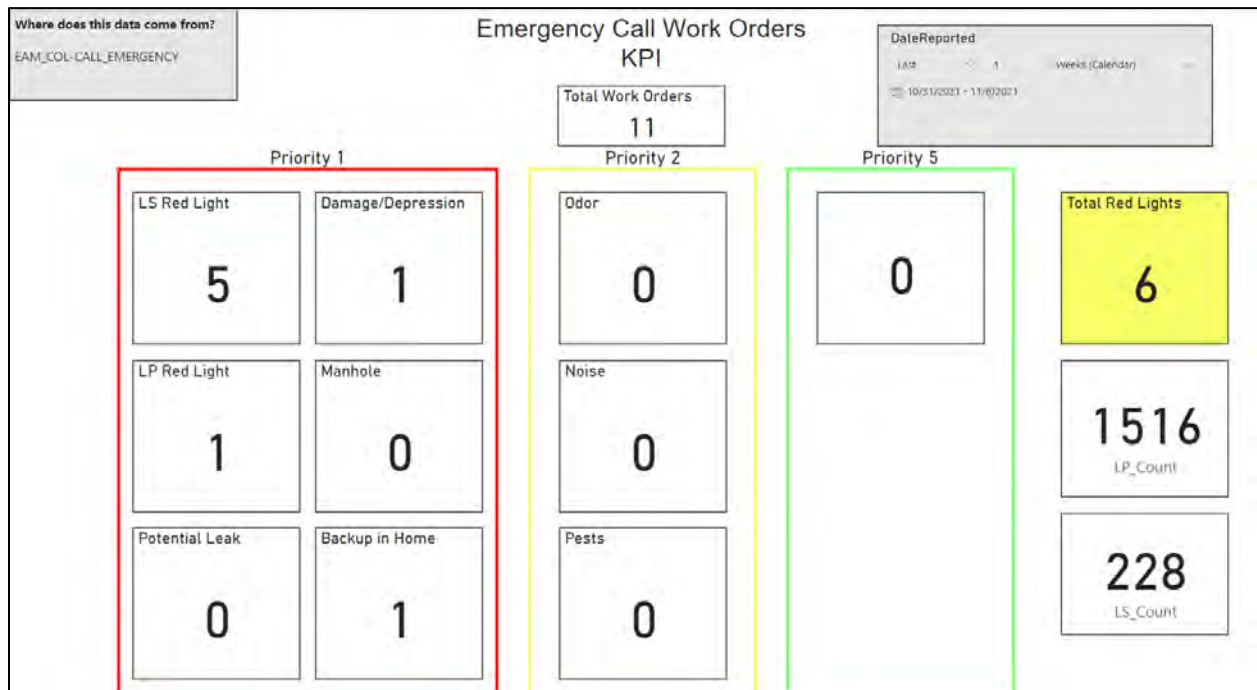
Central Blvd. gate 0.5 mile away from camera



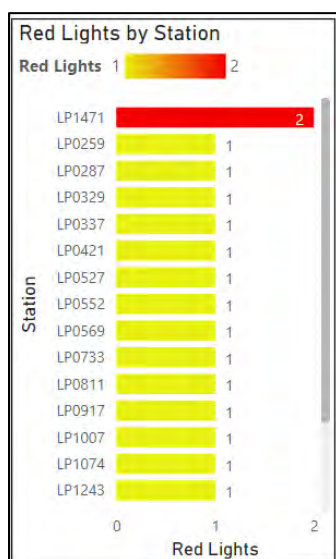
Chlorine Building at night

Emergency call analytics

The Collections department updated the process by which emergency call data was stored and managed in our Computerized Maintenance Management system (CMMS). This change allowed us to readily extract the data and create more informative data visualization dashboards using Microsoft Power BI.



Frequency of emergency calls by priority and type



Frequency of red light alarms by low pressure station

Loxahatchee River Environmental Center

November 2021



River Center Summary Statistics

LRD'S ENVIRONMENTAL STEWARDSHIP DASHBOARD



| Environmental Stewardship Impact <small>[%ES Impact = (Total Visitors x ES Index)/Monthly Target]</small> | | Environmental Stewardship Index | Total Visitors <small>(incl. Visitors, Field Trips, Onsite Programs)</small> | Average Program Participation <small>[Actual participants/Capacity of Program]</small> | Volunteer Engagement | 1st Time Visitors | Visitor Satisfaction | Staff Overall Program Assessment | Expenses | Program Revenue | |
|--|-------------|---|---|---|----------------------|-------------------|--|--|------------------|-----------------|------|
| Benchmark / Customer Expectation | % of Target | Monthly Average <small>[Max Rating is 9]</small> | % of Target | % of Capacity | % of Target | % of Target | Rating Average <small>[Max Rating is 5]</small> | Rating Average <small>[Max Rating is 9]</small> | % within budget | % of Target | |
| Blue Level | ≥ 110% | ≥8 | ≥ 110% | ≥ 95% | | | | | | | |
| Green Level | ≥ 90% | ≥7 | ≥ 90% | ≥ 75% | ≥ 90% | ≥ 90% | ≥4 | ≥7 | ≥ 85% but ≤ 105% | ≥ 90% | |
| Yellow | ≥ 75% | ≥5 | ≥ 75% | ≥ 50% | ≥ 75% | ≥ 75% | ≥3 | ≥5 | ≥ 80% | ≥ 75% | |
| Red | <75% | <5 | <75% | <50% | <75% | <75% | <3 | <5 | < 80% or > 105% | <75% | |
| 2018 Baseline | 130% | 7.3 | 76% | 90% | 152% | 88% | 4.8 | 7.3 | 90% | 194% | |
| 2019 Baseline | 134% | 7.3 | 44% | 83% | 121% | 124% | 4.7 | 7.8 | 97% | 128% | |
| 2020 Baseline | 62% | 7.6 | 28% | 50% | 70% | 65% | 4.6 | 7.8 | 81% | 103% | |
| 2020 | Oct | 33% | 8.0 | 19% | 26% | 83% | 13% | 4.8 | 7.9 | 62% | 76% |
| | Nov | 79% | 6.5 | 48% | 46% | 67% | 60% | 4.7 | 6.9 | 71% | 104% |
| | Dec | 95% | 8.1 | 44% | 51% | 84% | 105% | 4.7 | 7.9 | 74% | 81% |
| 2021 | Jan | 89% | 8.1 | 50% | 65% | 80% | 92% | 4.6 | 7.9 | 88% | 92% |
| | Feb | 130% | 8.1 | 65% | 84% | 67% | 89% | 4.6 | 7.5 | 74% | 101% |
| | Mar | 304% | 8.4 | 99% | 86% | 68% | 275% | 4.6 | 7.9 | 78% | 85% |
| | Apr | 166% | 8.6 | 134% | 83% | 123% | 320% | 4.8 | 7.7 | 84% | 89% |
| | May | 135% | 8.0 | 92% | 84% | 112% | 270% | 4.4 | 7.9 | 89% | 72% |
| | June | 312% | 8.1 | 142% | 106% | 115% | 328% | 4.6 | 8.0 | 96% | 51% |
| | July | 371% | 8.1 | 205% | 87% | 154% | 579% | 4.5 | 8.1 | 115% | 49% |
| | Aug | 355% | 8.1 | 160% | 85% | 175% | 330% | 4.7 | 8.0 | 107% | 86% |
| | Sept | 237% | 7.6 | 192% | 85% | 66% | 519% | 4.6 | 7.8 | 91% | 83% |
| | Oct | 63% | 7.8 | 77% | 81% | 92% | 155% | 5.0 | 7.8 | N/A | 90% |
| Consecutive Months at Green | 0 | 11 | 0 | 9 | 1 | 8 | 13 | 13 | | 1 | |
| Metric Owner | O'Neill | O'Neill | O'Neill | Harris / Duggan | O'Neill | O'Neill | O'Neill | O'Neill | O'Neill | O'Neill | |

| Metric | Explanation |
|----------------------------------|--|
| Environmental Stewardship Impact | With the new fiscal year, targets were reassessed and raised to 85% capacity of our pre-COVID numbers. With the increase in the targeted amount, we have seen a significant decrease in where we were at the end of the last fiscal year when targets were set much lower. This number is tied to the number of programs and program participants that we have. Palm Beach County schools have been slow to come back to field trips. As a result, we are seeing fewer field trips and the field trips that are scheduling are private schools or homeschool coops that typically have 25 students or less in their group. |
| Total Visitors | This number also reflects the reduced amount of field trip participants. |

River Center General

Special Programs

Earth Defenders Girl Scout Workshop [Saturday, October 2nd]



On Saturday, October 2nd the River Center hosted a special and new Girl Scout Eco-Action Workshop. Girls of all ages a.k.a. the Superhero's of nature united at the Jupiter Inlet Lighthouse Outstanding Natural Area to earn their Earth Defenders badge. This is a beautiful natural area and the girls helped to keep it that way by working on a few different projects. The Daisies took over as Beach Brigade picking up garbage along the shoreline, Brownies and Juniors became the Periwinkle Patrol pulling up invasive wildflowers, and the Cadettes took over a Vine Squad attacking the love and coin vines overgrowing the trails.

Troops worked together to learn about as well as improve this natural area.

LRD Connections:

- **Water Supply** – Students learned about water conservation efforts including the importance of native plants especially in the scrub and upland ecosystems.
- **Solid Waste** – The Beach Brigade spent their morning collecting more than 15 buckets full of trash, most of which was marine debris and recyclable materials.
- **Stormwater** – JILONA has continued to restore certain areas that have been susceptible to erosion along the east shoreline. Reestablishing native plant species and better boating practices can help in the prevention of stormwater runoff.

Kayak Tour to Loxahatchee Slough Natural Area [Saturday, October 9th]



River Center naturalists conducted a 2-hour guided kayak tour at the Loxahatchee Slough Natural Area with 2 staff members and 14 adult participants. The Loxahatchee Slough Natural Area is Palm Beach County's largest and most biologically diverse natural area. Nine native Florida ecosystems are preserved at this 12,957-acre site: mesic flatwoods, wet flatwoods, mesic hammock, hydric hammock, wet prairie, depression marsh, slough marsh, strand swamp, and dome swamp. Participants were lead down the Cypress Run trail where they witnessed wildlife such as roseate spoonbills, alligators, river turtles, Florida gar, and other fishes.

LRD Connections:

- **Water Supply** – Natural areas like this, and especially with healthy, functioning wetlands, are critical in recharging local, surficial aquifers from which much of our water supply is obtained.
- **Solid Waste** – Often times we may find garbage along our waterways when we are kayaking. Cypress tree roots can trap plastic bags and large debris. The Loxahatchee River District encourages our kayakers to bring a bucket or a bag and safely collect garbage to leave our habitats better than we find them.

FireFest at Jonathan Dickinson State Park [Saturday, October 16th]

Jonathan Dickinson State Park welcomed back visitors to Fire Fest. This event is a fun-filled, family event emphasizing the importance of fire safety and the role of prescribed fire in Florida. The Florida Park Service's District Five Fire Team led prescribed burn demonstrations and educational discussions on the ecology of prescribed fire. Along with these exciting demos visitors enjoyed



interactive exhibits, crafts, activities, scavenger hunts, and swamp buggy tours. It was great to finally be back at this event where we saw about 400 visitors.

Homeschool Workshop [Tuesday, October 19th]

On Tuesday, October 19th the River Center held its first homeschool workshop at the Jupiter Inlet Lighthouse Outstanding Natural Area. Seventeen students ages 7 to 10 participated in our Bat Blitz program. We took a hike around the natural area discussing bat biology, adaptations, and habitats. Students played a fun game allowing them to learn the role of bats in an ecosystem and impacts to that ecosystem if bats were no longer present. They also learned about echolocation and listened to recordings of high frequency sounds to understand how they communicate and find food.

LRD Connections:

- **Water Supply** – Students learned that bats need a quality water source in their habitats. Many bats are insectivores and play a significant role in controlling the flying insect populations in and around freshwater sources.

Blooming in the Garden [Saturday, October 23rd]

The theme this month for the Blooming in the Garden early learner family program was “Spider Web Wonders” and included a story and craft activity all about spiders. Families got the opportunity to explore the River Center’s pollinator garden to observe spider behavior and learn about their special characteristics. We had 6 children and 6 adults enjoy a morning learning and exploring nature in our own backyard.

LRD Connections:

- **Water Supply** – Students learned about water conservation efforts including planting native plants, right plants/right place, and proper watering practices.

Science with Sam

In October, Science with Sam taught three classes, two at the River Center and one at our BLM property: 10/13 Reptiles & Amphibians, 10/20 Bones & Teeth, and 10/27 Creepy Crawlies. Each class included a themed lesson, followed by discussion and questions, and ending with an activity, animal encounter and/or take-home craft. Students participating in the Reptiles & Amphibians lesson got up close with native reptiles and amphibians, learned what makes them unique, why they are beneficial to our environment and had the opportunity to touch the animals. Students also explored around the center looking at bio facts of reptiles and amphibians. Students in the Bones & Teeth lesson learned to identify certain bones and teeth of animals, compared various animal teeth with discussion related to their diet, and dissected owl pellets to find bones. Students in the Creepy Crawlies class learned about the various types of insects we can find in our back yard, and a few fun insects not from here (all borrowed from the Hobe Sound Nature Center). Students had the opportunity to hold hissing cockroaches and view a scorpion, tarantula, jumping spider, and hermit crab. Students learned that no matter how different a creature may appear they all have an important role in their ecosystem. Students gained a new appreciation for what these creatures do and how they function in nature.



LRD Connections:

- **Water Supply:** Students in all three classes learned about water usage and water conservation. Students gained an understanding that all living things on Earth need clean water to survive, including humans.
- **Solid Waste:** Students in the reptiles & amphibians and creepy crawlies lesson learned about solid waste that can enter our watershed and the negative effects it can have on the ecosystem/wildlife.
- **Wastewater:** Students in the reptiles & amphibians and creepy crawlies lesson learned how wastewater can negatively affect wildlife and their habitats but also learned that the wastewater treatment facility uses micro-organisms, similar to aquatic bugs, to help clean water biologically.

Volunteer of the Month

The Volunteer of the Month for October 2021 is Lucas Groves. Lucas spent almost every Saturday here with us and helped complete numerous projects in addition to his visitor's service responsibilities. Lucas also demonstrated an advanced knowledge of the Loxahatchee ecosystem; evident by the complex explanations he gave to visitors at the touch tank and various exhibits. However, Lucas' biggest accomplishment was, by far, the leadership he demonstrated in assisting numerous new volunteers; training and guiding them through their first shifts and helping them grow in their knowledge and skillsets. Lucas went above and beyond this month and is by far the clear choice for volunteer of the month. Thank you, Lucas, for your talents, hard work, and leadership!!!



Upcoming River Center Events

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

Every Thursday, 9:30 a.m. – 10 a.m. – Story time: Join the River Center outside in the Chiki hut for Story Time. Families are welcome as we read stories and have an animal encounter.

November 19th, 10:30 a.m. – 12 p.m.: Homeschool Workshop: Insect Inspection: Student will understand that wildlife ranges from small to large organisms and exists in a variety of forms. They will learn about insects and recognize that all insects have the same basic body parts, but there are differences in shape, color, and size. Students will describe the process of pollination and identify the role wildlife, particularly bees, play in that process.

November 20, 10 a.m. – 11:30 a.m.: Blooming in the Garden: Join the River Center for our Blooming in the Garden program, designed for children ages 3-6. The program will start at 10:00am at the River Center Fire Pit with a story time and a garden themed craft. We will then move to our garden for a garden themed hands-on activity. When it is time to go home, children will receive seeds to take home to start their own garden! So do not miss this exciting opportunity for your little ones to enjoy nature!

November 23rd, 9am – 11am: Nature Hike – Culpepper Ranch: Tie up your hiking boots and join the River Center on Tuesday, Nov. 23rd for our Nature Walk through the Culpepper Ranch, part of Hungrylands Wildlife Management Area. Walk along the guided paths and immerse yourself in this local natural area. This path has uneven terrain. Interested participants should wear closed toed shoes, long pants(recommended), a walking stick, comfortable clothing and bring plenty of water.

November 24, 9am – 12pm: Fishing Clinic: Fishing clinics are a terrific way for kids to learn the basics of fishing methods and tactics! Make sure to join us for an engaging overview that includes knot tying, fish identification, and of course fishing! The cost is \$10 per child. Interested participants should bring water, sunscreen, a hat, and sunglasses.

November 27, 10am – 12 pm: Craft-a-Palooza: LET’S GET CRAFTY! Join us in the River Center classroom for some FREE arts and crafts, games, activities, music, and fun. This is a free event, and no RSVP is required to attend or participate. Our crafts are designed for children ages 3-10. Make sure you do not miss out on this exciting event! No registration required.

December 8th, 15th : 4 p.m. – 5 p.m.: Science with Sam: On select Wednesdays from 4:00 pm – 5:00 pm, join our Scientist Sam for different science activities for our K-5th grade aged children. Activities will include garden exploration and hand-on opportunities with wildlife. Each month has a different theme! Upcoming themes are: 12/8 – Rocks Rock @ BLM (Bureau of Land Management) & 12/15 – Powerful Pollution

December 17, 9am – 11am: Nature Hike – Loxahatchee Slough: Come explore with us! Tie up your hiking boots and join the River Center on Friday, Dec. 17th for our Nature Walk through the Loxahatchee Slough. Walk along the guided paths and immerse yourself in this local natural area. We will explore a path inside this natural area with uneven terrain. Interested participants should wear closed toed shoes, long pants(recommended), a walking stick, comfortable clothing and bring plenty of water. Please RSVP to attend. Space is limited.

December 18, 10 a.m. – 11:30 a.m.: Blooming in the Garden: Join the River Center for our Blooming in the Garden program, designed for children ages 3-6. The program will start at 10:00am at the River Center Fire Pit with a story time and a garden themed craft. We will then move to our garden for a garden themed hands-on activity. When it is time to go home, children will receive seeds to take home to start their own garden! So do not miss this exciting opportunity for your little ones to enjoy nature!

December 29, 9am – 12pm: Fishing Clinic: Fishing clinics are a fantastic way for kids to learn the basics of fishing methods and tactics! Make sure to join us for an engaging overview that includes knot tying, fish identification, and of course fishing! The cost is \$10 per child. Interested participants should bring water, sunscreen, a hat, and sunglasses.

December 31, 10am – 1 pm: Craft-a-Palooza: LET’S GET CRAFTY! Join us in the River Center classroom for some FREE arts and crafts, games, activities, music, and fun. This is a free event, and no RSVP is required to attend or participate. Our crafts are designed for children ages 3-10. Make sure you do not miss out on this exciting event! No registration required.

January 15, 8 a.m. – 4 p.m.: Boating Safely Class: *Classes are planned to resume IN PERSON!* 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. Recommended for children 12 years and up.



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

MEMORANDUM

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

To: D. Albrey Arrington, Ph.D., Executive Director
From: Ed Horchar, Safety Officer
Date: November 10, 2021
Subject: District Safety Report for October 2021

Stephen B. Rockoff
CHAIRMAN

Safety Metrics: October 2021

OSHA recordable injuries: None

Lost time injuries: None

Actual TRIR: **1.3**

TRIR = Total Recordable Incident
Rate [Goal <2.3]

Gordon M. Boggie
BOARD MEMBER

Safety is a Core Value at LRD *Our conduct is shaped by a personal commitment to protect the health and safety of ourselves and our colleagues. Safety is driven through education, training, planning, protective equipment, and individual accountability.*

Dr. Matt H. Rostock
BOARD MEMBER

Good news for OSHA Recordable Incidents:

Congratulations to the LRD Team! The LRD has now gone injury free for five months. By not experiencing an OSHA Recordable Injury in October, the rolling twelve-month Total Recordable Incident Rate (TRIR) is 1.3, and below our goal of less than 2.3. In addition, there are zero Motor Vehicle Incidents in October and zero the last five months.

Harvey M. Silverman
BOARD MEMBER

James D. Snyder
BOARD MEMBER

Heightened employee awareness through proactive safety activity and training is a driving factor for the recent success. Employees are staying engaged with safe work practices as more LRD employees participate in the Job Hazard Analysis (JHA) process. The volume of JHA activity continued at a high level in October, a trend which has been sustained for eight months. The LRD continues to encourage safe driving skills thru CDL training and certification for all affected employees. All new hires with a certain skill mix are asked to study and test for the certification, increasing the safe driving knowledge and abilities within the LRD.

2500 Jupiter Park Drive
Jupiter, Florida 33458

Sustaining zero injuries and motor vehicle incidents will be our challenge moving forward. A focus on the JHA program will be a key to favorable sustainment of an injury free workplace. This will include tracking employee participation to ensure 100% employee participation is reached, tying JHA's with work orders / EAM, and elevating the quality level at which the JHA's are completed. Workplace inspections by the Safety Officer will continue to increase to evaluate the JHA's as the work is in progress and to facilitate job site safety related challenges

TEL: (561) 747-5700
FAX: (561) 747-9929

Thank You Travis Bains:

The LRD would like to thank Travis Bains for providing turnover support in

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Water Reclamation - Environmental Education - River Restoration

preparation for his planned departure from the LRD. In the past three years, Mr. Bains has helped establish the foundation for what the Safety Culture is today. Mr. Bains and Ed Horchar conducted a detailed review of key safety programs and initiatives. The following are an example of programs reviewed to ensure the incoming Safety Officer is well prepared for Mr. Bains departure:

- Risk Management Plan, Employee Safety Manual, Hurricane Preparedness Planning, Confined Space Program, Job Hazard Assessment, Control of Hazardous Energy (LOTO), Permit Request Requirements, Regulatory Reports, Training Programs and Skills Matrix, EAM process, and Injury and Near Miss Reporting and Investigation.

The District Safety Officer conducted the following hazard assessments for the following tasks:

Confined Space (Safety/Construction)

Primary hazards: leading edge safety (laying tools and equipment on edges), confined space, ventilation (air changes per hour) and air supply equipment placement, hazardous communication, gas monitoring (bump testing and calibration date checks), inspection of emergency retrieval system (davit arm and personal harness).

Job Hazard Analysis: Permitted Confined Space, Atmospheric Hazards, Depth of well safety (ladder safety).

Job site safety assessment conducted.

IQ 511 Disposal Station Annual 24-Hour Composite Sampling (Lab/Operations/Safety)

Primary hazards: construction debris, open excavation (falls/trips), working at night (lighting), health exposure to reclaimed water, wildlife.

Job Hazard Analysis: JHA Form A.

Job site safety assessment conducted and shared with operations. Sample every 3 hours for 24 hour period. Additional hazards due to construction site.

Safety Quote: *Do not think because an accident hasn't happened to you that it can't happen.*



LOXAHATCHEE RIVER DISTRICT

Celebrating 50 Years, 1971-2021

D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

MEMORANDUM

Gordon M. Boggie
CHAIRMAN

TO: Governing Board
FROM: Administration Staff
DATE: November 18, 2021
SUBJECT: Consultant Payments

Stephen B. Rockoff
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

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

James D. Snyder
BOARD MEMBER

| | <u>Prior Month</u> | <u>Fiscal YTD</u> |
|------------------|--------------------|-------------------|
| Shenkman, PA | \$4,000.00 | \$4,000.00 |
| Baxter & Woodman | \$17,624.67 | \$17,624.67 |
| Carollo | \$22,880.19 | \$22,880.09 |
| Chen Moore | - | - |
| Holtz | \$23,414.55 | \$23,414.55 |
| KCI | \$759.60 | \$759.60 |

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

2500 Jupiter Park Drive
Jupiter, Florida 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

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Future Business

General

- Employee Health Insurance – Gehring Group is working on a RFP because our renewal quote included a proposed 26% rate increase.
- Executive Director annual review
- Customer Information and Billing System
- Merchant Services
- Printing and Mailing Services

Neighborhood Sewering:

- Rolling Hills Gravity Sewer System

Future Contracts:

- Clarifier # 3 Rehabilitation
- Headworks Emergency Generator Installation
- Stationary Emergency Generator Piggy Back Purchases FSA
- Vacuum Truck – Unit 15 Replacement
- Stationary Emergency Generator Installation – Professional Engineering Contract
- Green House Gas Study

Potential Workshops:

- Discussion of 20 Acres Site Plan
- Discussion of 2500 Jupiter Park Dr Site Plan

