



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

AGENDA

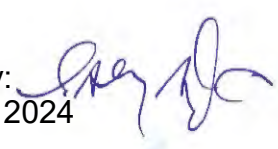
REGULAR MEETING #09-2024

JULY 18, 2024 – 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) Page 13
6. Regular Agenda
 - A. Consent Agenda Items Pulled for Discussion
 - B. 2500 Jupiter Park Drive – Site Plan Page 28
 - C. Retirement Plan – to approve revisions to our Money Purchase Plan and Trust Page 37
 - D. FY2025 Budget Assumptions Page 43
7. Reports (see next page) Pulled for Discussion
8. Future Business Page 113
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: July 8, 2024

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

5. CONSENT AGENDA

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

- A. Final Assessment SE Island Way (Res. 2024-08) [Page 14](#)
- B. Contractor Safety Management Policy – to approve updates [Page 21](#)
- C. Payment Processing Services for FY2024 – to increase not-to-exceed amount [Page 24](#)
- D. Fixed Asset Disposal – to approve disposal [Page 25](#)
- E. Change Orders to Current Contracts – to approve modifications [Page 26](#)

7. REPORTS

- A. Neighborhood Sewering [Page 49](#)
- B. Legal Counsel's Report [Page 50](#)
- C. Engineer's Report [Page 53](#)
- D. Director's Report [Page 61](#)



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AGENDA

PUBLIC HEARING #03-2024

JULY 18, 2024 - 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 for Island Way
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: July 8, 2024

Stephen B. Rockoff
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BOARD MEMBER

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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

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MEMORANDUM

TO: Governing Board
FROM: D. Albrey Arrington, Ph.D., Executive Director
DATE: July 12, 2024
SUBJECT: Approval of Meeting Minutes

Attached herewith are the minutes for the Public Hearing and Regular Meeting of June 20, 2024. As such, the following motion is presented for your consideration:

"THAT THE GOVERNING BOARD approve the minutes of the Public Hearing and Regular Meeting of June 20, 2024 as submitted."

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

**LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
PUBLIC HEARING – MINUTES
JUNE 20, 2024**

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Rockoff called the Public Hearing of June 20, 2024 to order at 6:55 P.M.

2. ROLL CALL

The following Board Members were in attendance:

Mr. Baker
Mr. Rockoff
Dr. Rostock
Mr. Yerkes

3. TO RECEIVE PUBLIC COMMENTS PERTAINING TO ROLLING HILLS AMENDED
FINAL ASSESSMENT

No comments from the public were received.

4. COMMENTS FROM THE BOARD

No comments from the Board were received.

5. ADJOURNMENT

Chairman Rockoff adjourned the Public Hearing at 6:56 P.M.

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY

Ref: #07-2024

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
REGULAR MEETING - MINUTES
JUNE 20, 2024

1. CALL TO ORDER

Chairman Rockoff called the Regular Meeting of June 20, 2024 to order at 7:00 PM.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance:

Mr. Baker
Mr. Boggie via [GotoMeeting](#)
Mr. Rockoff
Dr. Rostock
Mr. Yerkes

Staff Members in attendance were Dr. Arrington, Mr. Dean, Mr. Howard, Ms. Fraraccio, Mr. Pugsley and Ms. Jones. Consultants in attendance were Mr. Curtis Shenkman, Mr. Hunter Shenkman..

B. PREVIOUS MEETING MINUTES

The minutes of the Regular Meeting of May 16, 2024 were presented for approval and the following motion was made:

“THAT THE GOVERNING BOARD approve the revised minutes of the Regular Meeting of May 16, 2024 as submitted.”

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

C. ADDITIONS & DELETIONS TO THE AGENDA

5H Pulled for discussion

5J Deleted - Change Orders to Current Contracts – to approve modifications

C1: Professional Engineering Services for Anerobic Selector Zone Pilot Testing &
Process Aeration System Energy Efficiency Evaluation - Biomix Compressed Gas
Mixing Demo System - Change Order 001

3. COMMENTS FROM THE PUBLIC

LeAnne Labeck addressed the LRD Governing Board requesting the LRD reconsider Town of Jupiter's request to use LRD land for a Town of Jupiter's Fire Station. Ms. Labeck requested that LRD allow further discussion and negotiations with the Town on this matter. Mr. Boggie expressed sympathy for Ms. Labeck's concerns regarding the proposed location for the new Fire Station. Mr. Boggie then explained that the board took formal action last month to stop negotiations with the Town of Jupiter, so a formal action would be needed from the Board to resume negotiations. Chairman Rockoff thanked Ms. Labeck for attending and expressing her concerns and stated that her input is taken into account.

4. STATUS UPDATES

A. LOXAHATCHEE WATERSHED STATUS

Mr. Howard discussed the Town Of Jupiter's Jones Creek Vegetation Trimming Project. He discussed photographs and side-by-side aerial imagery showing the work that was completed. Also, Mr. Howard discussed water quality conditions within Jones Creek before and during the vegetation trimming project, and he indicated a desire to revisit the topic after some time has passed to re-assess improved water quality conditions within Jones Creek.

B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

5. CONSENT AGENDA

MOTION: Made by Mr. Baker, Seconded by Mr. Yerkes
Passed unanimously.

"THAT THE GOVERNING BOARD approve the Consent Agenda of June 20, 2024 as presented with the removal of item 5 H and 5 J."

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

A. Notice of Intent – 109 Old Jupiter Beach Road (Res. 2024-04)

"THAT THE GOVERNING BOARD approve Resolution 2024-04 the NOTICE OF INTENT to Assess, the Pending Lien Notice, and the Exhibits for the 109 Old Jupiter Beach Road Assessment Area."

B. Notice of Intent – Indian Hills (Res. 2024-05)

"THAT THE GOVERNING BOARD approve Resolution 2024-05 the NOTICE OF INTENT to Assess, the Pending Lien Notice, and the Exhibits for the SE Indian Hills Drive Assessment Area."

C. Preliminary Assessment – Island Way (Res. 2024-06)

"THAT THE GOVERNING BOARD approve Resolution 2024-06 adopting the 28-40- 42 -000-000-00040-1 Preliminary Assessment Roll."

D. Amended Final Assessment Roll – Rolling Hills (Res. 2024-07)

"THAT THE GOVERNING BOARD approve Resolution 2024-07 amending the Rolling Hills Final Assessment Roll."

E. ITB #24-006-00136 General Electrician Services – Contract Award

"THAT THE DISTRICT GOVERNING BOARD authorize award of an initial 1-year term contract for ITB #24-006-00136 General Electrician Services to Hinterland Group, Inc. in an amount not to exceed \$150,000."

F. WW/IQ General Services Contracts – reauthorization of additional funds

"THAT THE DISTRICT GOVERNING BOARD re-authorization of PO #24-0191 for Hinterland Group, Inc. for a total not to exceed amount of \$550,000.00 and PO #24-0192 for Felix Civil Construction, LLC for a total not to exceed amount of \$700,000.00."

G. Lift Station General Services Contract – reauthorization of additional funds

"THAT THE DISTRICT GOVERNING BOARD re-authorization of PO #24-0191 for Hinterland Group, Inc. for a total not to exceed amount of \$1,000,000.00."

I. Fixed Asset Disposal – to approve disposal

"THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property asset tag number 2389 and the items from the aggregated assets listed in the schedule above in accordance with the District's Disposal of Surplus Tangible Personal Property Policy."

procedures, I request your authorization to dispose of the item listed below:

Tag #	F/A #	Description	Condition	Date Recorded	Acquired Value	Book Value	Estimated Value
2389	PE40	Kalmar Forklift	Operational	09/30/04	\$ 18,494	\$ -	\$ 5,000
Total Assets to be Disposed					\$ 18,494	\$ -	\$ 5,000

In addition, the following assets were aggregated with other assets or grouped as part of a project when purchased and we therefore do not have individualized asset information on each item; instead, a description of each asset is provided. Consistent with state statute and our policies and procedures, I request your authorization to dispose of the items listed below:

Description	Serial Number	Condition	Estimated Value
10 HP Flygt Pump	FLY-4480191	Beyond Repair	\$50
9.4 HP Flygt Pump	FLY-150228	Beyond Repair	\$50
5 HP Flygt Pump	FLY-9110182	Beyond Repair	\$50
4 HP Flygt Pump	FLY-9180033	Beyond Repair	\$50
2 HP Barnes Pump	ZS200765-1120	Beyond Repair	\$50
2 HP Barnes Pump	ZS200302-0620	Beyond Repair	\$50
2 HP Barnes Pump	C1219692-0606	Beyond Repair	\$50
2 HP Barnes Pump	G-9316	Beyond Repair	\$50
2 HP Barnes Pump	99588	Beyond Repair	\$50
2 HP Barnes Pump	SGVF2022L	Beyond Repair	\$50
2 HP Liberty Pump	B52226745-0712	Beyond Repair	\$50

6. REGULAR AGENDA

A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

5H. Safety Policy – to approve revisions

“THAT THE DISTRICT GOVERNING BOARD ratify and approve the Loxahatchee River Environmental Control District’s Employee Safety Manual as revised with an effective date of June 21, 2024, and authorize the District’s Executive Director to update the Safety Manual from time to time, and periodically present it to the Governing Board for ratification and approval.”

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

B. 2500 Jupiter Park Drive – Site Plan

Mr. Dean discussed the draft site plan for 2500 Jupiter Park Drive with specific attention to matters that were revised following the May Board presentation and discussion. No Board Action Required – only feedback. The Board generally commended Mr. Dean on the improvements to the draft site plan and specifically requested to leave siting of the future Admin Building to the future.

Mr. Boggie left the meeting at 8:00 PM

C. Fiscal Year 2025 – Budget Assumptions

Dr. Arrington discussed the budget assumptions memo, addressed Board questions, and explained that staff will be working diligently on the budget through September. No Board Action Required – only feedback

7. REPORTS

The remaining 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

Future Business stood as written.

9. COMMENTS FROM THE BOARD

10. ADJOURNMENT

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

“That the regular meeting of June 20, 2024 adjourns at 8:36 PM.”

BOARD CHAIRMAN

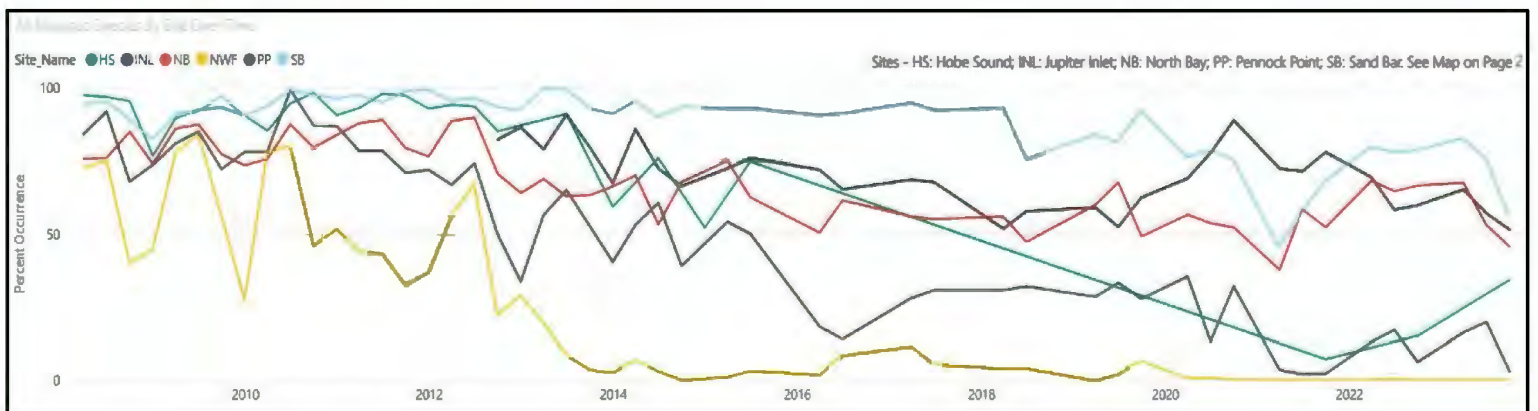
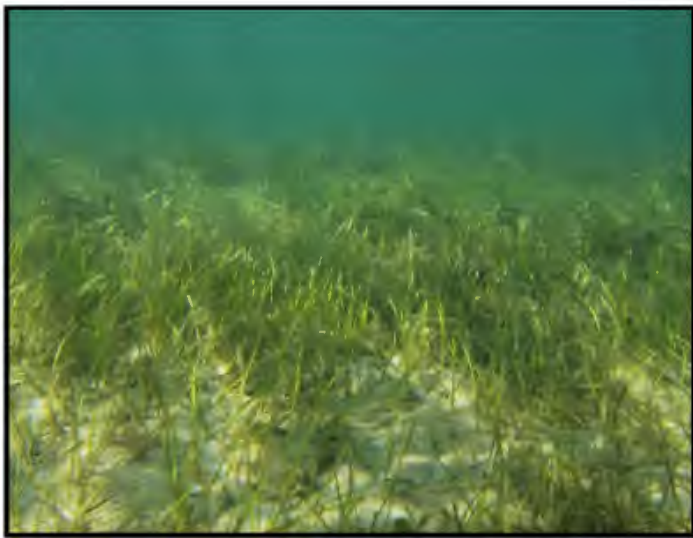
BOARD SECRETARY

RECORDING SECRETARY




Loxahatchee River Watershed Status Seagrass Monitoring Program Summary

Seagrasses are valuable ecosystem components. In the Loxahatchee River Estuary, the Staff from the District's WildPine Lab have been conducting seagrass monitoring for more than 20 years. Several seagrass monitoring programs have provided valuable insight into the spatial and temporal variation of seagrasses throughout the estuary. At our meeting, Jerry Metz, from the Lab, will provide a summary of the District's seagrass monitoring programs and some of the interesting observations.



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
2021 Baseline		952	16	0.3	1,130	7.1	0	1,294	2	0.2	\$ 40,651,532	97%	89%	79%	-34	0	24.3	3
2022 Baseline		1,319	12	0.1	395	6.8	0	1,268	3	0.0	\$ 44,372,235	101%	91%	83%	-51	1	22.6	3
2023 Baseline		1,451	13	0.0	1,124	7.0	0	1,296	6	0.0	\$ 44,656,875	106%	94%	90%	-39	2	23	4
2023	June	2,600	17	0	8,082; 0	7.1	0	1,275	2	0	\$ 44,195,894	108%	93%	94%	(35)	0	21.7	7
	July	2,046	10	0	0; 0	6.5	0	1,293	1	0	\$ 44,736,939	110%	93%	92%	(42)	0	23.6	4
	Aug	1,215	9	0	15; 0	6.8	0	1,242	4	0	\$ 46,355,162	110%	93%	100%	(54)	0	17.1	6
	Sept	1,093	11	0	441; 0	6.7	0	1,201	0	0	\$ 43,649,874	110%	92%	97%	(49)	0	21.7	5
	Oct	1,940	14	0	101; 0	6.9	0	1,281	1	0	\$ 43,600,779	97%	109%	74%	(55)	0	15.6	9
	Nov	1,183	15	0	1,705; 0	7.1	0	1,255	0	0	\$ 43,936,002	101%	93%	81%	(46)	0	23.7	3
	Dec	1,021	14	0	45; 0	7.4	0	1,218	3	0	\$ 42,207,663	106%	100%	78%	(57)	0	9.9	2
2024	Jan	1,178	14	0	2,275; 0	7.4	0	1,209	1	1	\$ 41,429,932	104%	96%	87%	(64)	0	19.9	2
	Feb	1,689	15	0	2,405; 1	7.5	0	1,239	2	0	\$ 42,298,111	104%	95%	87%	(51)	0	25.3	1
	Mar	1,697	17	0	70; 0	7.4	0	1,101	3	0	\$ 41,568,281	103%	93%	65%	(49)	0	24.4	0
	Apr	1,162	15	0	2,858; 1	6.9	0	1,133	1	0	\$ 40,736,583	102%	92%	70%	(37)	7	32.5	1
	May	1,153	14	0	30; 0	6.6	0	1,146	15	1	\$ 42,588,420	102%	93%	62%	(52)	31	31.0	1
	June	2,870	9	0	20; 0	6.4	0	1,173	13	0	\$ 40,955,647	102%	92%	65%	(67)	22	20.1	6
Consecutive Months at Green		11	3	26	2	181	38	165	0	1	177	32	8	0	0	0	5	0
Metric Owner		O'Neill	Pugsley	Dean	Dean	Pugsley	Pugsley	Pugsley	Dean	Horchar	Fraraccio	Fraraccio	Fraraccio	Dean	Dean	Howard	Howard	Howard

Metric	Explanation
IQ Water Delivery	From June 1 through June 13 we curtailed IQ Water deliveries to all four curtable customers due to very low IQ Water lake levels, which were driven by the very low local groundwater levels that were caused by the extended dry conditions. Rains began on June 12, and we discontinued IQ Water curtailments on June 14th. IQ Water levels in our lakes have returned to normal.
Capital Projects (\$)	Capital Projects within budget fell to 69% this month. This is being impacted by 2 projects that did not close in FY23 as expected and were not included in the FY24 budget. In addition, 2 projects that were not anticipated to begin this fiscal year have been expedited to manage capital expenditures, given the delays experienced by other projects. Staff look forward to applying lessons learned in the upcoming budget process.
Capital Projects (time)	The following projects are over 100 days behind schedule: (1) site planning for 2500 Jupiter Park Drive [-411 days] - final draft will be presented to Board this month, which should conclude this project; (2) Lateral lining in Lift Station 41 collection system [-339 days] - staff are working through quality control issues; (3) Main lining in Lift Station 71 collection system [-209 days]; (4) Lateral lining in Lift Station 054 collection system [-104 days]. Additional details are available in Kris' report.
MFL Violations	The Northwest Fork of the Loxahatchee River experienced 22 days of Minimum Flow & Level violations during June. On June 12 flows over Lainhart Dam climbed above 35 cfs where they have maintained for the remainder of the month. On June 23 the 20 day rolling average of salinity at river mile 9.1 finally fell below 2.0 ppt, which is when the MFL violations ceased. Thankfully, the excessively dry conditions have ended and the regional water system is once again back to normal water levels.
Fecal Coliform Bacteria	High fecal coliform bacteria (>200 cfu/100 ml) were observed at Stations 62 (Island Way bridge), 65 (Kitching Creek mouth), 67 (Trapper Nelson's), 72 (Loxahatchee River Rd bridge), 95 (Jupiter Farms), and 100 (Cypress Creek mouth). Water quality samples were collected on June 12 and 13 coincident with 5-inches of rainfall after an extended dry period. See Bud's report for additional details.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: Governing Board
FROM: Administration Staff
DATE: July 12, 2024
SUBJECT: Consent Agenda

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

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

- A. Final Assessment SE Island Way (Res. 2024-08)
- B. Contractor Safety Management Policy – to approve updates
- C. Payment Processing Services for FY2024 – to increase not-to-exceed amount
- D. Fixed Asset Disposal – to approve disposal
- E. 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 July 18, 2024 as presented.”

Signed

D. Albrey Arrington, Ph.D.
Executive Director

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Water Reclamation – Environmental Education – River Restoration

Shenkman & Shenkman, P.A.

Curtis@PalmBeachLawyer.Law
Hunter@PalmBeachLawyer.Law
Jamie@PalmBeachLawyer.Law
Carolina@PalmBeachLawyer.Law
Denise@PalmBeachLawyer.Law

Board Certified Real Estate Attorney
Three Palms Center
2151 S. Alternate A1A, Suite 1000
Jupiter, FL 33477

phone 561-822-3939
phone #561-822-3933

fax #561-898-2266

July 3, 2024

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

**Re: Resolution 2024-08 and FINAL Assessment Roll for 28-40-42-000-00040-1
Assessment Area**

Dear Albrey:

Attached to this letter is the Transfer of Property Lien, Resolution 2024-08, Exhibit "A" AMENDED Final Assessment Roll, Exhibit B Map, and the most recent list of property owners, as part of the Resolution.

I will bring the Originals to the meeting and obtain the signatures and notary.

A **SUGGESTED MOTION** for the Board at the July 18 2024 meeting is as follows:

**"THAT THE GOVERNING BOARD approve Resolution 2024-08 amending the
28-40-42-000-000-00040-1 FINAL Assessment Roll and Exhibits."**

Sincerely,

Curtis L. Shenkman

Curtis L. Shenkman

RESOLUTION NO. 2024-08

A RESOLUTION OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT RELATING TO THE **28-40-42-000-000-00040-1** ASSESSMENT AREA IMPROVEMENTS; ADOPTING THE ASSESSMENT ROLL FOR **28-40-42-000-000-00040-1** 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 **28-40-42-000-000-00040-1** Assessment Area; and

WHEREAS, The District’s previous Resolutions **2022-06 & 2024-07** 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 JULY, 2024 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. **2022-06 & 2024-07** 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 2024-08
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 LRECD released the system for service on March 21, 2024, 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 JULY, 2024.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT:

	VOTE
_____ STEPHEN B. ROCKOFF	_____
_____ GORDON M. BOGGIE	_____
_____ CLINTON R. YERKES	_____
_____ KEVIN L. BAKER	_____
_____ DR. MATT H. ROSTOCK	_____

EXHIBIT “A”
FINAL ASSESSMENT ROLL
LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
28-40-42-000-000-00040-1 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 **28-40-42-000-000-00040-1** Assessment Area shall be \$ **16,803.66** per parcel of property in the **28-40-42-000-000-00040-1** 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 **28-40-42-000-000-00040-1** Assessment Area identified on EXHIBIT “B” shall be currently assessed in the amount of \$ **15,123.29**.

PAYMENT OF ASSESSMENT. As to Parcels of **28-40-42-000-000-00040-1** Assessment Area Property in EXHIBIT “B”, the \$ **15,123.29** assessment may be paid, interest free, at the office of the District on or before May 1, 2025.

Owners who do not pay the \$ 15,123.29 assessment on or before May 1, 2025 shall have the \$ 15,123.29 principal added to the tax roll as a non-ad valorem assessment to accrue interest, beginning October 1, 2024, at eight percent (8%) per annum, to be collected in twenty (20) equal annual installments of \$ 1,540.34, commencing with the November 1, 2025 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 28-40-42-000-000-00040-1 SPECIAL ASSESSMENTS**

THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, a special district of the State of Florida created and existing pursuant to Chapter 2021-249, Laws of Florida (the “District”), gives public notice that the District’s Governing Board as of and effective on the 18th day of JULY, 2024, passed Resolution 2024-08 which is attached hereto, approving the non-ad valorem tax bill, AND TRANSFERRING THE RECORDED LIEN ON PROPERTIES IDENTIFIED AS BEING PART OF THE **28-40-42-000-000-00040-1** 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 **2022-06**, recorded on **August 23, 2022** in **Official Record Book 3332, Pages 76 through 82** 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 JULY 18, 2024, the information contained herein is true and accurate.

WITNESSES:

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

Address: 2500 Jupiter Park Drive, Jupiter, FL 33458

By: _____
D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

Address: 2500 Jupiter Park Drive, Jupiter, FL 33458

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me by means of X physical presence or ___ online notarization on July 18, 2024, 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)

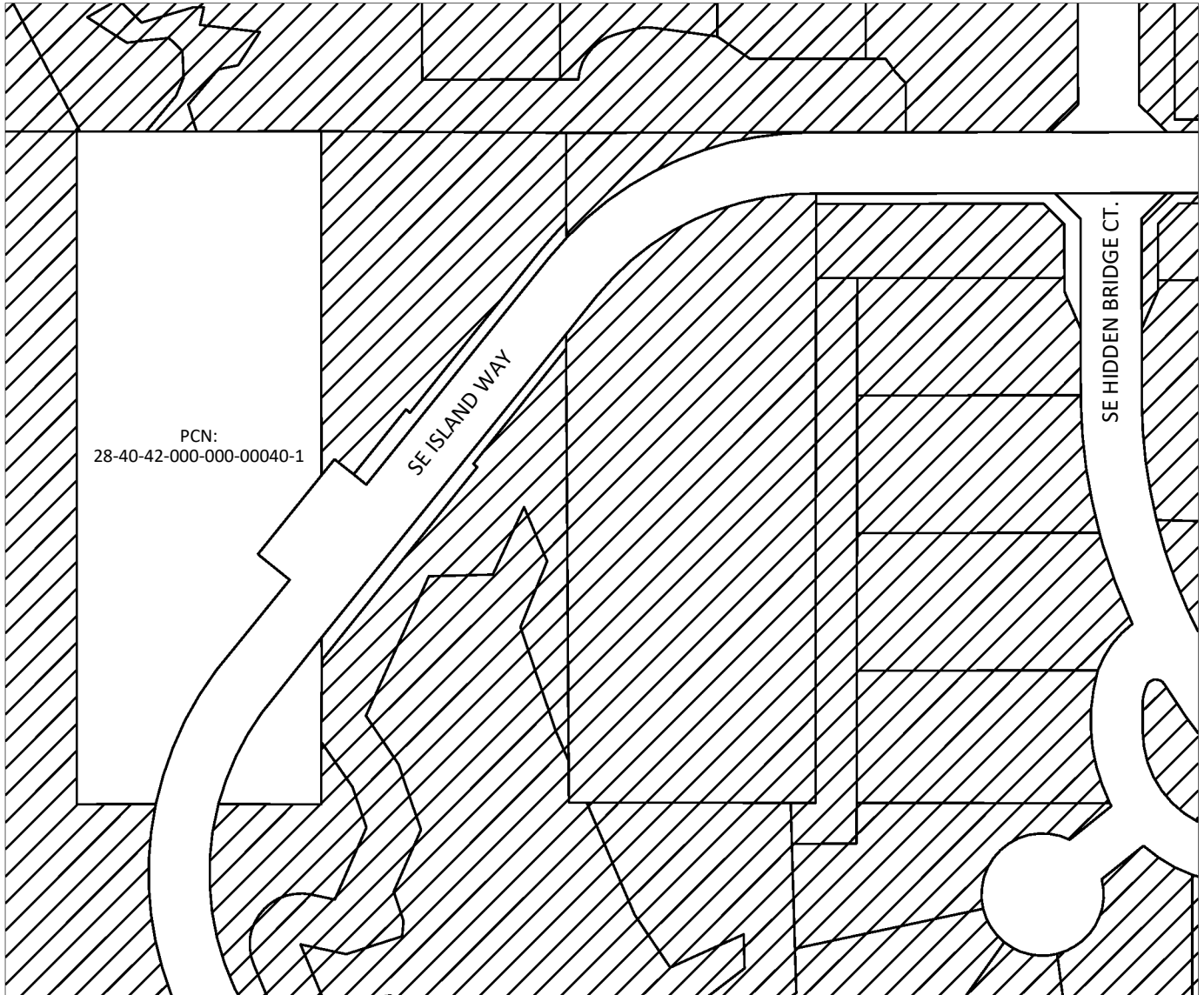
NOTARY PUBLIC, STATE OF FLORIDA

Mr. James & Anne Lousie D'Loughy
2925 PGA Blvd, Suite 204
Palm Beach Gardens, FL 33410
re: XXX SE Island Way
28-40-42-000-000-00040-1

EXHIBIT "B"

SFR LOT - SE ISLAND WAY

LOW PRESSURE SEWER SYSTEM



LEGEND



NOT IN ASSESSMENT AREA

MARTIN COUNTY,
FLORIDA

7/14/2022

SFR LOTS



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D.
FROM: Kris Dean, P.E.
DATE: July 10, 2024
SUBJECT: Contractor Safety Management Policy

This month staff is seeking to revise the Contractor Safety Management Policy. See attached policy document with track changes in RED.

Revisions include:

1. Contractor is responsible for implementation of the contractor's health, safety, and environmental policies and procedures.
2. District's rights relevant to obtaining information.
3. District's rights to qualify and disqualify contractors based on environmental, health and safety.

Staff recommend the following motion:

“THAT THE DISTRICT GOVERNING BOARD approve the revised Contractor Safety Management Policy with an effective date of July 19, 2024.”


Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

	LOXAHATCHEE RIVER DISTRICT	Doc No:	LRD-POL- EXE-01.00
		Effective Date	07/19/2024 04/17/2020
		Revision History:	04/17/2020 07/18/2024
		Revision No.	01
Authors: Kris Dean, P.E. and Travis Baines, CSHO, ENSEd Horchar		Expiration Date:	None
Issuing Department: Executive		Page:	Page 1 of 2

CONTRACTOR SAFETY MANAGEMENT

Purpose

The work that we engage with contractors to complete exposes the Public, District Staff, the Contractor and his Subcontractors to hazards or potential hazards on a daily basis. The District has a responsibility to ensure that Contractors performing work for us have health, safety and environmental practices in place, have a history of healthy safe work practices and are in compliance with Federal, State and Local requirements as well as District requirements where applicable.

Policy

It is the District's policy to require each Qualifying Contractor performing work for the District to have health, safety, and environmental policies and procedures in place, have a history of healthy, safe work practices, and are compliant with Federal, State, and Local requirements as well as District requirements where applicable.

To achieve this policy, District staff will maintain a written Contractor Safety Management program to qualify, evaluate, and memorialize safety performance of qualified Contractors performing work for the District. At a minimum, the District's Contractor Safety Management program will include:

1. Prequalification or Qualification
2. Contract/Work Scope Requirements
3. Construction Management
4. Post Assessments

A contractor's implementation of health, safety and environmental policies and procedures, including training, safety equipment purchase, liability, loss, damages, claims, fines, or other expenses of every character are the responsibility of the contractor and/or their subcontractors.

The District reserves the right to obtain all relevant and necessary information to assess a Qualifying Contractor's health, safety and environmental policies and procedures and their relevant past performance, e.g., OSHA lost workday rates, Workers' Compensation Experience Modification rates, OSHA recordable injury rates.

The District reserves the right to qualify or disqualify any contractor from bidding on a contract, acceptance of a contract, or continuation of an existing contract based on their failure to provide adequate health, safety and environmental policies and procedures and/or their ongoing safety performance.

Authority: Not applicable

Date Approved by Governing Board: 04/16/2020

This policy applies to each Qualifying Contractor while performing any work for the District.

District staff shall implement a program to qualify, evaluate and memorialize safety performance of Qualifying Contractors performing Work for the District. The program shall include the following:

1. Prequalification or Qualification
2. Contract/Work Scope Requirements
3. Construction Management
4. Post Assessments

Definitions

List definitions necessary to understand the policy statement (section above).

- A. Construction Management: A process by which the District will audit through documentation a Qualifying Contractor's safety practices to verify compliance with the Qualifying Contractor's policies and procedures.
- B. Contract/Work Scope Requirements: A process by which minimum safety requirements are determined and communicated to Qualifying Contractors during Prequalification or Qualification.
- C. Prequalification: A process by which the District performs an annual qualification of contractors who routinely perform or bid routine Work for the District.
- D. Post Assessments: A process by which a Qualifying Contractor's safety performance on a project is documented and archived for future reference.
- E. Qualification: Qualification requirements that define required Qualifying Contractor safety performance, policies and procedures specific to the Work being performed.
- F. Qualifying Contractor: Any contractor covered by the Occupational Safety and Health Administration. For the purposes of this policy any employer and their workers, excluding those that are self-employed, immediate family members of farm employers and workers whose hazards are regulated by another federal agency shall be considered a Qualifying Contractor.
- G. Work: For the purposes of this policy any work that requires a licensed contractor or involves installation, modification, repair or maintenance of District owned assets excluding work performed at the Qualifying Contractor's place of business.

Relevant Procedures

The following procedures guide staff in the appropriate implementation of this policy:

- A. Procedure #1: Prequalification
- B. Procedure #2: Contract/Work Scope Requirements
- C. Procedure #3: Construction Management
- D. Procedure #4: Post Assessments
- E. Procedure #5: Qualification

Policy Questions

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



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: Albrey Arrington, Ph. D., Executive Director
From: Bud Howard, Director of Information Services
Date: July 10, 2024
Subject: Amendment to Payment Processing Services for FY2024; Account #: 40-42-5340

This request is to authorize an additional \$18,000 to the existing \$75,000 not-to-exceed purchase order to Edmunds GovTech, Inc. for higher than estimated credit/debit card and eCheck payment transaction fees in FY2024.

Edmunds GovTech is our new Customer Information System (CIS) that includes the eCheck and Credit/Debit card payments portal. Edmunds was selected by the District through RFP #22-004-000114 in February 2022. The transaction fees in this request comply with that contract.

On December 14, 2024, the Board approved a not-to-exceed purchase order of \$75,000 for FY2024. The numbers of credit/debit card and eCheck transactions through the first and second quarter sewer billing were significantly higher than we estimated. Recall that through the transition to our new CIS all AutoPay customers needed to switch to our new system or utilize their bank's online bill pay service. I overestimated the number of customers that would switch to online bill pay in this process.

Now that our transition to Edmunds is complete and the new payment patterns are stabilizing, we should be able to better estimate our transaction fees for FY2025. Current estimates suggest that our transaction costs will be similar to those in previous years.

Therefore, we offer the following motion:

"THE DISTRICT GOVERNING BOARD authorizes the Executive Director to extend the not-to-exceed purchase order to Edmunds GovTech, Inc., for eCheck and credit/debit card payment transaction fees by \$18,000, for a revised total authorization of up to \$93,000 for the remainder of FY2024."

Stephen B. Rockoff

CHAIRMAN

Kevin L. Baker

BOARD MEMBER

Gordon M. Boggie

BOARD MEMBER

Dr. Matt H. Rostock

BOARD MEMBER

Clinton R. Yerkes

BOARD MEMBER



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: Governing Board
From: Kara Fraraccio, Director of Finance and Administration
Date: July 12, 2024
Subject: Disposal of Surplus Property

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. Consistent with state statute and our policies and procedures, I request your authorization to dispose of the items listed below:

Tag #	F/A #	Description	Condition	Date Recorded	Acquired Value	Book Value	Estimated Value
2399	ME327	Fluke Cable Analyzer	Beyond Repair	09/30/04	\$ 5,500	\$ -	\$ 20
2400	ME328	Fluke Cable Analyzer	Beyond Repair	09/30/04	\$ 3,595	\$ -	\$ 20
2436	ME334	Fluke Scopemeter	Beyond Repair	09/30/04	\$ 1,079	\$ -	\$ 20
2468	ME356	Transcat Pneumatic	Lost	09/30/05	\$ 1,180	\$ -	\$ -
Total Assets to be Disposed					\$ 11,354	\$ -	\$ 60

In addition, the following assets were aggregated with other assets or grouped as part of a project when purchased and we therefore do not have individualized asset information on each item; instead, a description of each asset is provided. Consistent with state statute and our policies and procedures, I request your authorization to dispose of the items listed below:

<u>Description</u>	<u>Serial Number</u>	<u>Condition</u>	<u>Estimated Value</u>
2 HP Barnes Pump	C1428269-0609	Beyond Repair	\$50
2 HP Barnes Pump	C1835196-0817	Beyond Repair	\$50
2 HP Barnes Pump	C502239-994	Beyond Repair	\$50
Positive Displacement Motor	C0505060104	Beyond Repair	\$0

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 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 2399, 2400, 2436, and 2468 and the items from the aggregated assets listed in the schedule above in accordance with the District's Disposal of Surplus Tangible Personal Property Policy."

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



Change Orders

No Change Orders are presented
for Board consideration this month.



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LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director
FROM: Kris Dean, P.E., Deputy Executive Director
Courtney Jones, P.E., Director of Engineering
DATE: July 9, 2024
SUBJECT: 2500 Jupiter Park Drive Conceptual Site Planning

In November 2021 the District engaged with Chen Moore and Associates (CMA) for 2500 Jupiter Park Drive Site Planning. The site planning effort results in a long-range plan, think over the next 50 years, for 2500 Jupiter Park Drive. Site planning consisted of 6 main tasks: Data Collection and Field Investigation, Regulatory Review, Planning Services, Sustainability Review, Grant Funding Review, and Site Planning Memorandum. The two (2) main objectives of this site planning effort consisted of the following:

- Define limits and guidelines for infrastructure security and resiliency
- Ensure 2500 Jupiter Park Drive has and will continue to have adequate space for receiving wastewater, treating wastewater to IQ water standards, and distributing IQ water to consumers. The space assessment included evaluating our current and future abilities to rehabilitate existing infrastructure and construct new infrastructure on site while maintaining site functionality and coordinating with current and future site uses.

Last month we provided the Board the DRAFT Final Site Planning Memorandum for review and discussion. Based on the Board's input FINAL guidelines for key planning elements are:

Security and Access – The Board supports the designation of Secured Areas including Secured Access WWTF Footprint, Secured Access – Vegetated Area, Secured Access – Reclaimed Water Storage and agrees that security requirements in these areas will be defined in the upcoming Vulnerability Assessment. At this time limiting Public Access to the administrative facilities, Wildpine Lab and surrounding parking is also supported by the Board.

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Resiliency – The Board supports the construction of new and replacement infrastructure being installed to address statewide flooding and sea level rise resilience.

1. New development will be compliant with a Vulnerability Assessment completed in compliance with F.S. 380.093
2. New development will evaluate impacts from NOAA Intermediate-High Curve (non-critical infrastructure) and NOAA High Curve (critical infrastructure) based on the Unified Sea Level Rise projection by the Southeast Florida Regional Climate Change Compact, 2019.
3. New development will address 1% and 0.2% Storm impacts.
4. New development should maintain “No Offsite Stormwater Discharge” status of 2500 Jupiter Park Drive.
5. New development will not expose existing infrastructure to increased risk from 1% and 0.2% Storm impacts.
6. Phase 1 and Phase 2 stormwater impacts will be addressed in the Preliminary Design Report for Phase 1 – Maintenance, Warehouse and Parking Facilities.

Reservation of Space – The Board supports reserving space to allow for a 47 MGD WWTF footprint beyond the 50 year planning window. This means infrastructure with a planned life expectancy beyond 2074 that does not support identified WWTF capacity needs based on approved land use and population projections will not be installed within this footprint. Additionally, it is the Governing Board’s intent that the cypress wetland located at 26.9254 N, 80.1406 W be preserved until development of this wetland area is deemed necessary to meet the District’s utility obligations for permitted wastewater processing in excess of 24 MGD.

Phase 1: Warehouse and Maintenance Site Plan and associated Financial Planning – the Board agrees that staff will proceed with planning for the proposed site plan.

Phase 2: Biosolids Processing Facility Site Plan and Financial Planning – the Board agrees that staff will proceed with planning for the proposed site plan.

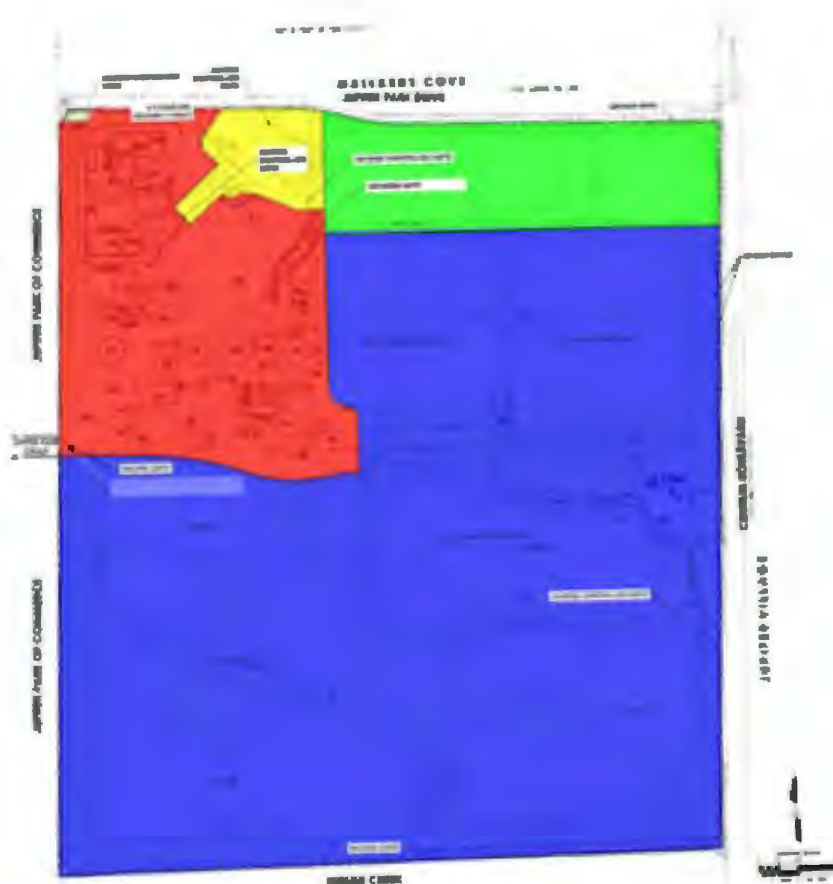
Overall Site Plan – The Board is not prepared to “site” a future administrative facility at 2500 Jupiter Park Drive. The Board will defer site selection for an administrative facility to a later date.

Staff recommend the following motion:

“THAT THE DISTRICT GOVERNING BOARD accepts the 2500 Jupiter Park Drive Conceptual Site Plan Technical Memorandum prepared by Chen Moore & Associates, dated June 28, 2024, and the companion memorandum prepared by Staff, dated July 9, 2024, and directs staff to use these memoranda to define guiding principles when planning for future improvements at 2500 Jupiter Park Drive.”

Security. During programming efforts site security was clearly identified as a top priority. The ~~Final~~ Memorandum classifies the site into 4 access categories: review and consideration Access – WWTF Footprint, Secured Access – Vegetated Area, Secured Access – Reclaimed Water Storage and Public Access as noted above. Phase 1 and 2 (described in more detail below) limit public access to the existing Administration Building, Wildpine Lab, and supporting parking areas (see figure above). Public access areas are highlighted yellow, while blue, green, and red highlights define secured areas.

In addition to the designation of secured access areas, CMA completed 2500 Jupiter Park Drive Site Security Review Technical Memorandum, which provides a review of the existing site security including existing security measures and protocols, identification of potential security concerns, and recommendations for improvements to enhance security at the site. Their site security review was limited to an evaluation of staff and public access on the site. A full risk assessment was not performed. The site security memorandum is a confidential document and will be provided individually to the Board for review and consideration.



Resiliency. Staff further researched the basis for resiliency planning. In summary, resiliency efforts will be compliant with a Vulnerability Assessment completed in compliance with F.S. 380.093. To perform the Vulnerability Assessment, target criteria need to be identified against which risks will be assessed. Vulnerability Assessments under F.S. 380.093 (3) must include the following scenarios and standards defined in 380.093 (3)(c) 3.

1. All analysis in the North American Vertical Datum of 1988
2. At least two local sea level rise scenarios, which must include the 2017 NOAA intermediate-low and intermediate-high sea level rise projections.
3. At least two planning horizons that include planning horizons of the years 2040 and 2070.
4. Local sea level data that has been interpolated between the two closest NOAA tide gauges.

The majority of the District's infrastructure is located in Palm Beach County. The Southeast Florida Regional Climate Change Compact including Broward, Miami-Dade, Monroe, and Palm Beach counties created "a single, regionally unified sea-level rise projection, ensuring consistency in adaptation planning and policy, and infrastructure siting and design in the Southeast Florida four-county region", and published the Unified Sea Level Rise Projection Southeast Florida ([Sea-Level-Rise-Projection-Guidance-Report FINAL 02212020.pdf](#)). For additional information, see southeastfloridaclimatcompact.org. The report included the following curve and guidance.

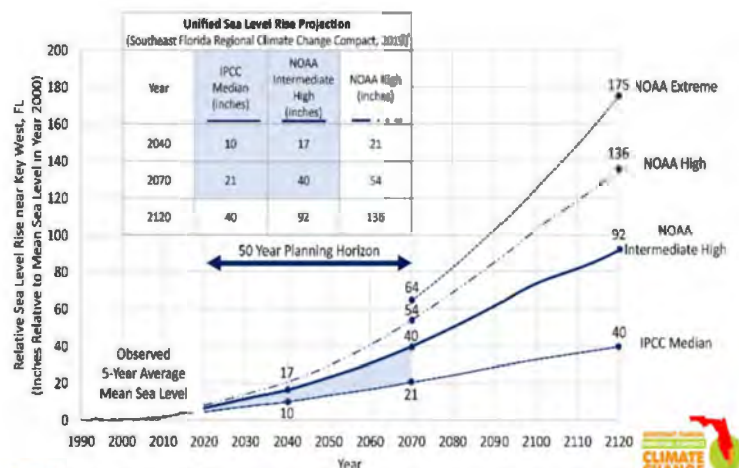


FIGURE 1: Unified Sea Level Rise Projection

Application of the IPCC Median Curve

The IPCC Median or lower blue shaded portion of the projection can be applied to most infrastructure projects before 2070 or projects whose failure would result in limited consequences to others. An example low risk project may be a small culvert in an isolated area. The designer of a type of infrastructure that is easily replaced, has a short lifespan, is adaptable, and has limited interdependencies with other infrastructure or services must weigh the potential benefit of designing for higher sea level rise with the additional costs. Should the designer opt for specifying the lower curve, she/he must consider the consequences of under-designing for the potential likely sea level condition. Such consequences may include premature infrastructure failure.

Application of the NOAA Intermediate High Curve

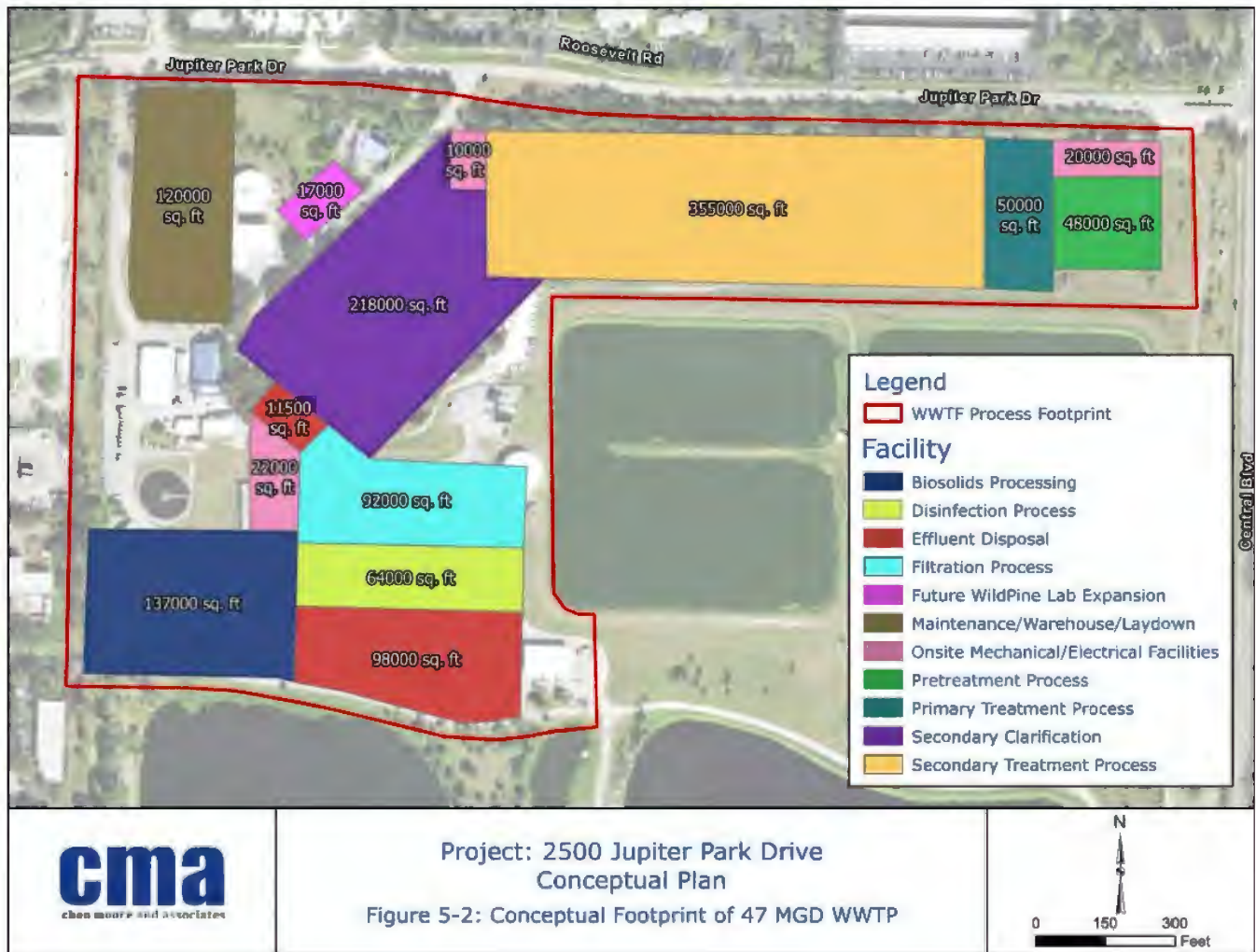
Projects in need of a greater factor of safety related to potential inundation should consider designing for the NOAA Intermediate High Curve. Examples of such projects may include evacuation routes planned for reconstruction, communications and energy infrastructure, and critical government and financial facilities or infrastructure that may stay in place beyond a design life of 50 years.

Application of the NOAA High Curve

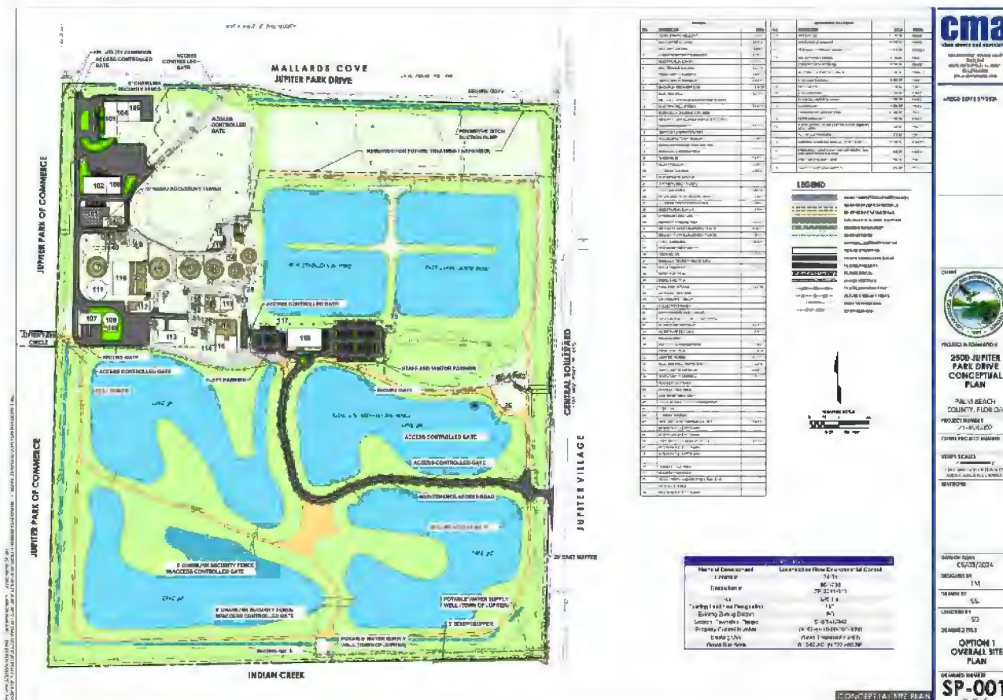
Due to the community's fundamental reliance on major infrastructure, existing and proposed critical infrastructure should be evaluated using the NOAA High curve. Critical projects include those projects which are not easily replaceable or removable, have a long design life (more than 50 years), and are interdependent with other infrastructure or services. If failure of the critical infrastructure would have catastrophic impacts, it is considered to be high risk. Due to the community's critical reliance on major infrastructure, existing and proposed high risk infrastructure should be evaluated using the NOAA High curve. Examples of high risk critical infrastructure include nuclear power plants, wastewater treatment facilities, levees or impoundments, bridges along major evacuation routes, airports, seaports, railroads, and major highways.

Based on the above, two options exist for future planning efforts related to sea-level rise. The first, use F.S. requirements of 2017 NOAA intermediate-low and intermediate-high sea level rise projections and local sea level data that has been interpolated between the two closest NOAA tide gauges. The second, use the guidance provided by Southeast Florida Regional Climate Change Compact and apply this to local sea level data that has been interpolated between the two closest NOAA tide gauges. The former meeting statute requirements, the latter meeting statute requirements and aligning planning efforts with other agencies in the Southeast Florida Region. Staff recommend using the Southeast Florida Regional Climate Change Compact guidance.

Treatment Footprints. The DRAFT Final Memorandum defines the space required for up to 47 MGD treatment capacity. It is noted that 47 MGD has been identified as the target for reservation of space at 2500 Jupiter Park Drive but is not being used as a basis for rate study or budget efforts.



Overall Site Plans. Two (2) options for the overall site plan are denoted as Option 1 and Option 2 were evaluated. The options present the ultimate location of the Administration and Operations Building in two (2) possible locations that do not conflict with future operational needs. Option 1 (see below) would incorporate all Administration, Engineering, and Operations staffing functions, and including the WWTF control room, into one (1) building located adjacent to the treatment processes and central to the site. Option 2 (see next page) would combine the Administration, Engineering and Operations staffing functions into one (1) building located central to the lakes, but the WWTF control room, operators, and maintenance staff would be located within the treatment footprint, similar to the current configuration.



Option 1 –

Pro's:

- Provides one structure for all staff needs potentially lowering operation and maintenance costs associated with occupied space.
- Provides a centralized area for all staff promoting 'one team' and collaboration between departments.

Con's:

- Higher capital costs, \$24.0M
- Potentially requires relocation of treated effluent piping, IQ, and concentrate piping.
- Allows public access closer critical infrastructure compared to Option 2. See Sheet SEC-003



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: Governing Board
From: Kara Fraraccio, Director of Finance and
Date: Administration July 12, 2024
Subject: Retirement Plan – SECURE 2.0 Provisions

The Setting Every Community Up for Retirement Enhancement Act (SECURE) 2.0 is a new law that includes mandatory and optional changes to the retirement system. At the June 11, 2024 Retirement Plan Administrative Committee meeting, the Administrative Committee discussed the SECURE 2.0 Act and the optional provisions available: limited retirement fund distributions to address disaster recovery and a terminal illness diagnosis.

Terminal Illness Early Distribution Penalty Tax Exception Election – The terminal illness provision allows penalty free withdrawals from retirement accounts for individuals with a terminal illness. This provision aims to provide financial flexibility and support during end-of-life care without the usual 10% tax penalty that applies to early withdrawals. Earliest effective date is October 15, 2024.

Qualified Disaster Recovery Distributions Election - The disaster recovery provision allows individuals affected by a federally declared disaster to access up to \$22,000 of their retirement funds to help rebuild their lives without incurring the usual 10% tax penalty. Earliest effective date is September 10, 2024.

In order to adopt these optional provisions in the LRD Money Purchase Plan and Trust with the earliest effective date, plan elections must be made with EMPOWER no later than August 9, 2024. If elections are made, EMPOWER will amend the LRD Retirement Plan for inclusion of the optional SECURE 2.0 Act Qualified Disaster Recovery Distributions and Terminal Illness Early Distribution Penalty Tax Exception provisions for a fee of \$1,500.

The Administrative Committee (Mr. Rockoff, Dr. Arrington, Mr. Ryan, and Ms. Fraraccio) discussed each of these provisions and voted unanimously to recommend that the Governing Board include the optional SECURE 2.0 Act Qualified Disaster Recovery Distributions and Terminal Illness Early Distribution Penalty Tax Exception provisions to the LRD Retirement Plan.

Additional information on the two optional provisions is provided on the following pages.

At this time, I recommend the following motion:

“That the District Governing Board authorize the Executive Director to elect the optional SECURE 2.0 Act Qualified Disaster Recovery Distributions and Terminal Illness Early Distribution Penalty Tax Exemption provisions into the LRD Retirement Plan.”

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Terminal Illness Penalty Tax Exception

By electing this option, the Plan Sponsor intends to administer, and the Plan will adopt and make available the Terminal Illness Penalty Tax Exception pursuant to the provisions of the SECURE Act 2.0. While the SECURE Act 2.0 created an exemption from the early distribution penalty tax, it did not create a new distributable event under the plan. Instead, the employee must be otherwise eligible for a distribution (e.g., in-service withdrawal, hardship, or disability).

The Plan Sponsor directs service provider to process Terminal Illness Penalty Tax Exception from the Plan in accordance with the following instructions:

Requirements for the Terminal Illness Penalty Tax Exception Request

The definition of a terminally ill individual is an individual who has been certified by a physician as having an illness or physical condition that can reasonably be expected to result in death within 84 months of the certification date.

To qualify for a terminal illness penalty tax exception, an individual with a Plan account must provide to the Plan Sponsor or designated plan administrator a physician certification with the following:

- a. A statement that the illness/condition can be reasonably expected to result in death within 84 months; and
- b. A narrative description of the evidence that was used to support the statement of illness/condition; and
- c. Name and contact information of the physician; and
- d. Date of the physician examination.
- e. Signature requirement of physician.

Repayment of a Terminal Illness Penalty Tax Exception Request

With respect to any participant who receives a distribution with the terminal illness penalty tax exception from the Plan (or any other eligible retirement plan or IRA), the Plan Sponsor directs the service provider to process any repayment(s) that the participant self-certifies is a bona fide repayment of a previous distribution with the terminal illness penalty tax exception within the three-year period beginning on the day after the date on which such distribution was received by the participant, provided the participant is eligible under the terms of the Plan to make a rollover contribution. Participants are responsible for determining the appropriate reporting of any such repayment(s) on their personal income tax return(s).

Processing and approval of Terminal Illness Penalty Tax Exception Requests

Participants must submit Terminal Illness Penalty Tax Exception requests via the appropriate administrative form and attach the applicable distribution request form for their qualified reason for distribution. The service provider will rely on the Plan Sponsor's review and approval, including the authorized signer's signature on the participant's Terminal Illness Penalty Tax Exception Request form. The Terminal Illness Penalty Tax Exception is not available for an installment payout.

The Plan Sponsor directs service provider to process distributions with the terminal illness penalty tax exception from the Plan subject to the terms of the procedures provided on this form and the recordkeeping services agreement between the Plan Sponsor and the service provider.

Withholding and Reporting

When the distribution is processed the standard withholding for the applicable distribution reason will be applied to the distribution. For example, unless a new distributable event is created for these distributions, if the distribution reason is age 59 ½ or separation from service, the distribution will have the 20% mandatory withholding deducted from the distribution. The service provider will report the entire amount of the distribution with the terminal illness penalty tax exception on the participant's IRS Form 1099R in the year withdrawal from the plan and will properly designate the amount this is and is not allocable to the taxable portion of the distribution. Participants are responsible for determining the appropriate reporting of the distribution with the terminal illness penalty tax exception on their personal income tax return(s).

Plan Acknowledgements

The Plan Sponsor agrees to administer the Plan consistent with the procedures it has authorized on this form.

The Plan Sponsor further acknowledges that it will amend the Plan to provide for the SECURE Act 2.0 terminal illness penalty tax exception provision it has authorized on this form by the applicable regulatory deadline. If the service provider provides plan document services, an amendment will be provided at a later date and a plan amendment fee may apply. If the service provider does not provide plan document services for your plan, please notify your document provider.

The foregoing procedures shall be subject to the requirements of applicable law, regulations, or other interpretative guidance now or subsequently in effect and, accordingly, shall be interpreted and deemed to be modified in such manner as necessary and appropriate to conform and comply with any such requirements.

Qualified Disaster Recovery Distributions

By electing this option, the Plan Sponsor intends to administer, and the Plan will adopt and make available Qualified Disaster Recovery Distributions pursuant to the disaster tax relief provisions of the SECURE Act 2.0.

The Plan Sponsor directs service provider to process Qualified Disaster Recovery Distributions from the Plan in accordance with the following instructions:

Qualified Disaster Distributions

For disasters occurring on or after January 26, 2021, the Plan may issue one or more Qualified Disaster Recovery Distribution(s) to a Plan account owner who is a Qualified Individual (as defined below) in an amount not to exceed \$22,000 per disaster. The Plan Sponsor directs the service provider to accept on behalf of the Plan, and conclusively rely on, the Qualified Individual's self-certification that the amount requested by such individual satisfies the requirements for a Qualified Disaster Recovery Distribution, including that the individual's receipt of such distribution does not exceed the aggregate \$22,000 limit per disaster specified in the SECURE Act 2.0 when added to all previous Qualified Disaster Recovery Distributions such individual has received across all IRAs and other eligible retirement plans, including tax-qualified retirement plans maintained by the Plan Sponsor and any member of the Plan Sponsor's controlled group.

These distributions will be processed pro rata across all vested contribution sources and investment options held in the Qualified Individual's Plan account (excluding any and all funds held in the Qualified Individual's self-directed brokerage account), subject to applicable Plan terms. Distribution fees may apply.

Qualified Disaster Recovery Distributions will be allowed for participants still employed and those who have separated from service.

Withholding and Reporting

A Qualified Disaster Recovery Distribution is not treated as an eligible rollover distribution for purposes of Internal Revenue Code sections 401(a)(31), 402(f), and 3405.

The Plan Sponsor directs the service provider to:

- In accordance with applicable withholding requirements, withhold 10% federal income tax (plus any applicable state and/or local income tax) on the amount allocable to the taxable portion of the distribution unless the Qualified Individual properly elects a greater withholding amount or elects no withholding with respect to such amount.
- Report the entire amount of the Qualified Disaster Recovery Distribution on the Qualified Individual's *IRS Form 1099-R* in the year withdrawn from the Plan and

properly designate the amount that is and is not allocable to the taxable portion of the distribution.

Qualified Individuals are responsible for determining the appropriate reporting of the Qualified Disaster Recovery Distribution on their personal income tax return(s).

Repayments

With respect to any Qualified Individual who receives a Qualified Disaster Recovery Distribution from the Plan (or any other eligible retirement plan or IRA), the Plan Sponsor directs the service provider to process any repayment(s) that the Qualified Individual self-certifies is a bona fide repayment of a previous Qualified Disaster Recovery Distribution within the three-year period beginning on the day after the date on which such distribution was received by the Qualified Individual, provided the Qualified Individual is eligible under the terms of the Plan to make a rollover contribution. Qualified Individuals are responsible for determining the appropriate reporting of any such repayment(s) on their personal income tax return(s).

Plan Sponsor understands and agrees that the service provider is not offering repayments of Qualified Disaster Recovery Distributions for increased loan limits or delayed repayment of loans under SECURE 2.0 as part of this election.

Qualified Individuals

To qualify for a Qualified Disaster Recovery Distribution (a “Qualified Individual”), an individual with a Plan account must meet the following requirements:

- (i) the individual had a principal place of abode in a qualified disaster area at any time during the Incident Period with respect to such qualified disaster; and
- (ii) the individual sustained an economic loss from the qualified disaster.

The Incident Period of the disaster with respect to which such federal disaster declaration is made must begin on or after the later of December 29, 2022, first date of the period specified by FEMA as the period that the disaster occurred, or the date of disaster declaration. The distribution must be taken no later than 179 days following the beginning date.

Processing and approval

Participants must submit Qualified Disaster Recovery Distribution requests via the appropriate administrative form or any future website or future call center initiation functionality.

For plans currently set up to approve distributions (age 59 ½, in-service, or separation from service), the service provider will rely on the Plan Sponsor’s (or if applicable, the TPA’s) review and approval of Qualified Disaster Recovery Distribution requests. Prior to providing approval and directing the service provider to process the request, the Plan Sponsor should review all requests for consistency with the Plan’s administrative procedures and confirm that the individual meets the definition of a Qualified Individual as outlined above and the participant has not exceeded the maximum distribution amount available. Each participant request must

be received in good order and approved by the Plan Sponsor prior to the close of market at least 5 business days before the end of the applicable regulatory deadline. If the applicable Plan Sponsor Center "To-do list" steps are not completed for a request by the applicable regulatory deadline, then the Plan Sponsor acknowledges and agrees that the service provider will not back-date the transaction.

The Plan Sponsor agrees to administer the Plan consistent with the Qualified Disaster Recovery Distribution procedures it has authorized on this form.

For plans not currently set up to approve distributions (age 59 ½, in-service, or separation from service), the service provider will rely on the participant's self-certification.

The Plan Sponsor directs service provider to process Qualified Disaster Recovery Distributions from the Plan subject to the terms of the procedures provided on this form and the recordkeeping services agreement between the Plan Sponsor and the service provider.

Acknowledgements

The Plan Sponsor acknowledges that any pending distributions that have not received appropriate approval or otherwise deemed "not in good order" will automatically be cancelled after market close on the 180th day after the applicable beginning date of the disaster.

The Plan Sponsor further acknowledges that it will amend the Plan to provide for the SECURE Act 2.0 Qualified Disaster Recovery Distributions it has authorized on this form by the applicable regulatory deadline. If the service provider provides plan document services, an amendment will be provided at a later date, and a plan amendment fee may apply. If the service provider does not provide plan document services for your plan, please notify your document provider.

The foregoing procedures shall be subject to the requirements of applicable law, regulations, or other interpretative guidance now or subsequently in effect and, accordingly, shall be interpreted and deemed to be modified in such manner as necessary and appropriate to conform and comply with any such requirements.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458


TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: GOVERNING BOARD
FROM: D. ALBREY ARRINGTON, Ph.D. 
DATE: JULY 12, 2024
SUBJECT: FISCAL YEAR 2025 – BUDGET ASSUMPTIONS

Last month we began budget discussions. Over the next three months, we will work through our budgeting process to develop, review, and approve our Fiscal Year 2025 budget, which goes into effect on October 1, 2024. We are proceeding with the following schedule:

- July: Provide and review draft budget matrix and initial capital budget.
- August: Provide and review draft budget by each account number.
- September: Provide and review Final Draft Budget and approve Final Budget.

This month our goal is to review the assumptions that are being made as we formulate the FY 2025 budget. Assumptions are provided based on the key budget categories used in the budget matrix. Our major objective is to avoid surprising the Board with unanticipated, significant increases in the draft and final budget.

Perhaps one of the largest factors anticipated to impact our FY2025 budget is the persistent inflation that we are experiencing (see the chart at bottom of page 3). For nearly a year, national CPI has stabilized between 3-4%, but Services CPI has persisted at or above 5%, and our Regional CPI has been significantly elevated above national CPI for 2 years and has only recently fallen below 5%. These inflationary pressures have affected and will continue to affect the prices we are having to pay for goods and services.

The draft FY2025 Budget includes a proposed 5.3% increase over FY2024:

FY2024 (\$)	FY2025 (\$)	Change (%)	Budget Category
\$ 20,436,972	\$ 21,907,983	7.2%	Operating Expense
\$ 12,697,473	\$ 12,967,000	2.1%	Capital Improvements
\$ 33,134,445	\$ 34,874,983	5.3%	Grand Total

The draft budget includes a 7.2% increase of operating expenses, a 2.1% increase of capital improvements, and a total budgeted increase of 5.3%. Staff are still working on the budget. We recognize the current 7.2% increase in operating expenses is not ideal, and we expect to have better control over projected costs in the next two months. This draft budget presents a starting point for our expectations for next fiscal year. It includes sufficient funding to maintain our operations and our systematic investment in maintaining, rehabilitating, and improving our assets. On the subsequent pages I provide a general discussion of each budget category as outlined in the budget matrix. The budget matrix is provided on the last page of this memo.

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Salary & Wages –

1. Number of Employees: The District currently has 86 full time positions budgeted. This year I am requesting two additional staff within our Construction department. I do not take adding staff lightly, as I recognize this represents meaningful, long-term expenses. Last month you reviewed a memorandum drafted by Kris and Courtney, which conveyed the importance of adding these two positions. In short, we have been unable to keep up with outstanding corrective work orders, and we believe an additional 2-person construction crew is a needed and appropriate response to the ever-growing backlog of corrective work orders, i.e., identified system deficiencies.
2. Proposed Cost of Living Adjustment: Our annual cost of living adjustment (COLA) is set at 3.0%, which was the June CPI-U value published by the US Bureau of Labor Statistics. We implement this COLA to maintain our employees' purchasing power relative to the rate of inflation.
3. Proposed Merit Increase: I recommend the budget include 3.0% to be disbursed to employees exhibiting meritorious performance during their annual performance review.

Payroll Tax – An increase proportional to the increase in salaries and wages will occur.

Retirement – An increase proportional to the increase in salaries and wages will occur, and this budgeted amount is directly affected by employees becoming vested in our retirement plan.

Employee Health Insurance – The Gehring Group suggested we should anticipate a 10-15% increase in our health insurance premium. This is based on medical inflation and their knowledge of the industry. I am pleased to report that we are well below our budgeted amount in this category for FY2024, and we anticipate having a small decrease in this budget line in FY2025.

General Insurance – We have budgeted for a 26% increase in this budget category based on detailed input we received from Egis Insurance & Risk Advisors (our insurance agent). As discussed last month, they suggested we will experience a 28% rate increase across our General, Liability, and Property Insurance premiums when we renew these policies on October 1st. A significant portion of this increase is due to the increase in market value of our insured property; we have not updated our schedule of values for all insured assets since March 2020. In the past, we have taken action to self-insure certain lift stations. With the Board's direction, we could evaluate self-insuring additional District assets and facilities.

Supplies & Expenses – This category is projected to increase at 5.4%, which is in line with increases we are seeing from a wide spectrum of services and contractors. This amount is higher than national CPI-U but it is congruent with Services CPI (see chart at bottom of next page).

Utilities – We are currently budgeting for a 1.8% decrease in utility costs based on input from FPL.

Chemicals – We are currently budgeting for a 1% decrease in chemical costs, driven by optimizations within our biosolids process.

Maintenance & Repair – We are projecting a 23.3% increase in maintenance and repair costs. This increase is due to the increased amount of maintenance and repair work we have been accomplishing (with existing staff and contractors), the increased costs of the work accomplished (i.e., inflation), and the additional work we anticipate accomplishing with the two new Construction team members.

Contractual Services – This category is projected to increase by 5.2%. This category includes hauling and processing fees for the SWA Biosolids Processing Facility, fees for leased odor control systems, and payment processing fees. This includes a much-needed rehabilitation and upgrade of the odor scrubber system at our Master Lift Station. We are hopeful that we will be able to lower the amount budgeted in this category as costs for processing biosolids are finalized by SWA.

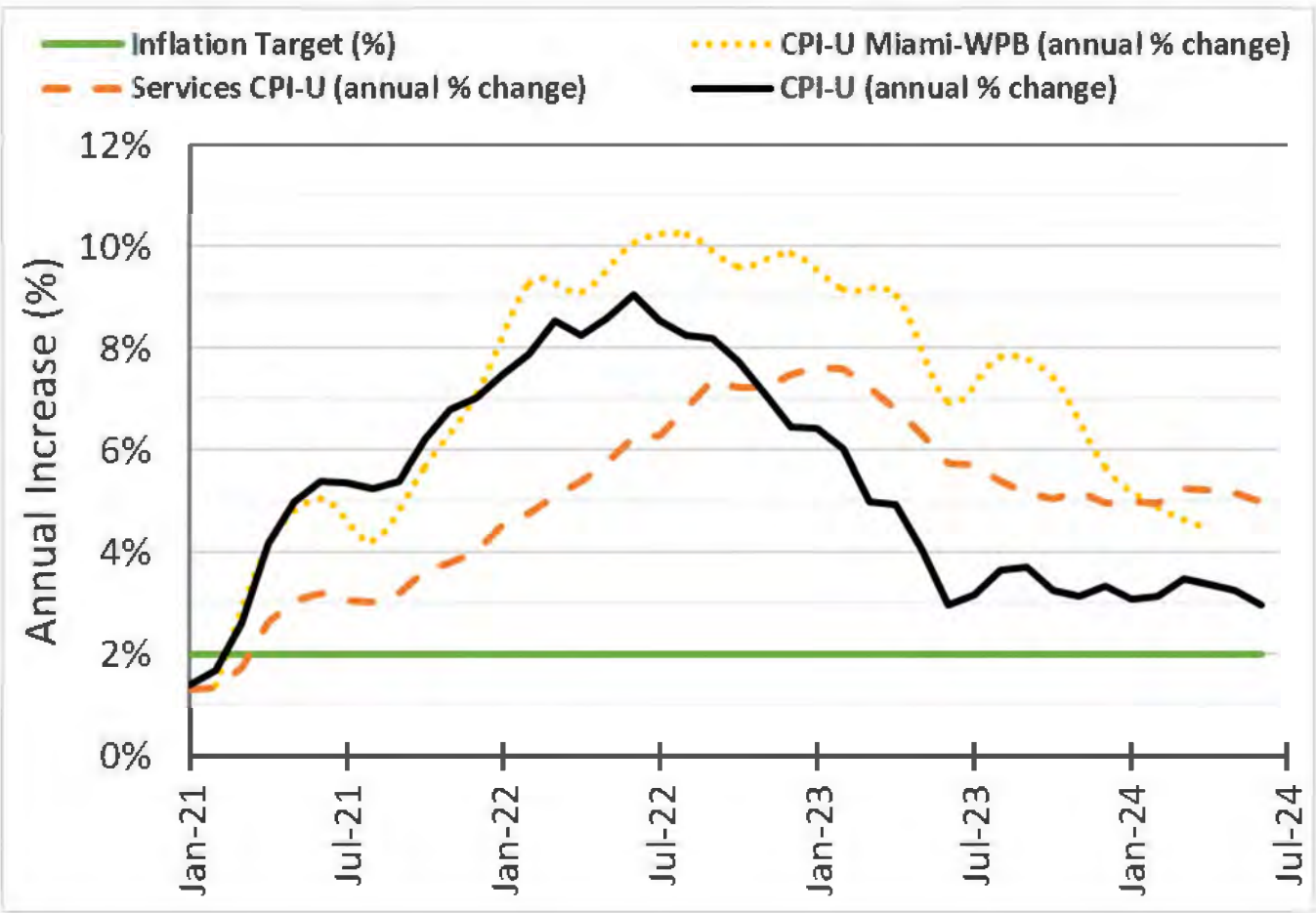
Contingency – We do not anticipate a change in our budgeted contingency amounts.

Revenue – Staff project revenues from quarterly sewer rates will increase by 3.8% assuming we implement the scheduled 3% rate increase in April 2025. Of course, rate increases are under Board control, and if the Board elects not to implement a rate increase in 2025, revenues would be decreased accordingly. Other revenues are projected to experience slight increases based on various factors. Total revenues are expected to increase by approximately 1%.

Capital Budget

On the following two pages we present the FY2025 capital budget figures. We specifically break out individual capital projects that are anticipated to exceed \$200,000 and for convenience we have identified all public education capital projects. Finally, we have identified four contingent capital projects. The intent of these contingent capital projects is to allow staff to pivot to one of these projects should a primary (budgeted) capital project become delayed. The use of these contingent projects will allow staff to continue to complete planned and necessary work, which will facilitate our goal of spending budgeted capital funds.

Staff will be working to refine these budget figures over the next two months. We look forward to receiving Board input and addressing it as we finalize the budget. This is an important process, and we look forward to receiving your input.



Capital – a summary of the draft FY2025 capital budget represents a 2.1% increase from FY2024, and the FY2025 capital budget is 1.2% below our FY25 Rate Study projections, which were reviewed in February and March of this year.

Capital Accounts	FY2024	FY25 Rate Study	FY2025	Note
Contingency	\$ 0	\$ 0	\$ 0	
Land	\$ 0	\$ 10,000	\$ 0	
Buildings	\$ 320,000	\$ 900,000	\$ 485,000	
Infrastructure Improvements (not buildings)	\$ 239,000	\$ 1,565,000	\$ 640,000	
Machinery and Equipment	\$ 1,076,350	\$ 1,220,000	\$ 2,100,000	
Vehicles	\$ 514,338	\$ 325,000	\$ 950,000	
Construction in Progress	\$ 10,547,785	\$ 9,110,000	\$ 8,792,000	
CIP - Exec/Finance/Lab/Cust Svc/IT/Const	\$ 0	\$ 0	\$ 0	
CIP - Public Education	\$ 74,000	\$ 450,000	\$ 275,000	
CIP - Master Planning	\$ 5,000	\$ 375,000	\$ 500,000	1
CIP - General Collection & Transmission	\$ 0	\$ 0	\$ 0	
CIP - Neighborhood Sewering	\$ 296,901	\$ 25,000	\$ 5,000	
CIP - Lift Station	\$ 1,793,534	\$ 1,175,000	\$ 925,000	
CIP - Gravity System	\$ 3,170,000	\$ 2,300,000	\$ 150,000	2
CIP - Force Mains	\$ 1,501,000	\$ 2,750,000	\$ 3,230,000	3
CIP - LPSS	\$ 0	\$ 20,000	\$ 0	
CIP - Permanent Generators	\$ 255,000	\$ 400,000	\$ 332,000	
CIP - Telemetry	\$ 2,000,000	\$ 35,000	\$ 500,000	4
CIP - Operations Planning Studies	\$ 0	\$ 0	\$ 0	
CIP - Operations General Site Imprvmnts	\$ 200,000	\$ 0	\$ 100,000	
CIP - Treatment & Disposal	\$ 572,350	\$ 535,000	\$ 1,160,000	5
CIP - Reuse General	\$ 600,000	\$ 550,000	\$ 1,345,000	6
CIP - Reuse Pumping Stations	\$ 20,000	\$ 25,000	\$ 220,000	7
CIP - Reuse Mains	\$ 0	\$ 20,000	\$ 0	
CIP - Reuse Telemetry/Metering/Controls	\$ 10,000	\$ 50,000	\$ 0	
CIP - Biosolids	\$ 50,000	\$ 400,000	\$ 50,000	8
Total	\$ 12,697,473	\$ 13,130,000	\$ 12,967,000	

Notes:

1. \$500,000 for vulnerability assessment (plant and field) derived from the Site Plan work.
2. Gravity service lateral lining has been moved to a contingent project (see next page).
3. Subaqueous force main near railroad tracks – costs match latest engineer's estimate.
4. Telemetry project has been delayed and we have moved costs from FY24 to FY25.
5. Engineering assessment has revealed more work than anticipated.
6. Project has been delayed and we have moved costs from FY24 to FY25 and costs have increased.
7. Costs are based on engineer's estimate of probable costs after preliminary design report.
8. Biosolids project sequencing – only engineering (site planning) to be completed in FY25.

Budgeted capital projects ≥ \$200,000:

Project Description	Cost
Lox. River Subaqueous Force Main Replacement - engineering and construction	\$3,130,000
County Line Road Bridge IQ Main Relocation - engineering and construction	\$1,345,000
Lift Station Cellular Telemetry - completion of ongoing project	\$500,000
Lift Station Rehabs	\$500,000
Rehab of Headworks, A-Structure, and B-Structure - engineering	\$500,000
Replace 4 Portable Generators	\$500,000
Vulnerability (Risk) Assessment - Plant, Collections, Reuse	\$500,000
20 Acres - Site/Civil: Remediation – engineering and construction	\$450,000
Clarifier # 4 Rehabilitation - construction	\$350,000
Disaster Recovery Site Setup (offsite IT systems)	\$300,000
Lift Station 050 Emergency Generator – engineering and construction	\$332,000
Lift Station Conversion #82 - engineering and construction	\$275,000
Rehab and upgrade IQ518 electrical, instrumentation, and controls - engineering	\$220,000
WWTP Electrical Systems Upgrades - Phase 1	\$210,000
Front End Loader Replacement	\$200,000

Public Education Capital Projects

BLM House Improvements (scaled down demo and construction on 1 house)	\$150,000
20 Acres (engineering and construction)	\$125,000
Ford Transit Van (15 passenger)	\$ 70,000
Total	\$345,000

Contingent Capital Projects

1. Gravity service lateral lining (\$2.2 M)
2. Lift Station Control Panel Replacement and Telemetry (\$2.2 M)
3. Engineering for rehab of IQ 511 Pump Station (\$250 k)
4. Engineering for rehab of Vacuum Truck Dump Facility (\$250 k)

The total potential spend on these four projects is \$4.9 million. This year we are listing contingent capital projects. The intent of listing these projects is to allow staff to pivot to one of these projects should a primary (budgeted) project become delayed. The use of these contingent projects will allow staff to continue to complete planned and necessary work, which will facilitate our goal of spending budgeted capital funds.

Matrix Category	FY	Executive	Finance and Admin	Public Education	Information Services (IT, Lab, Cust Service)	Engineering	Construction	General Operations	Collection & Transmission	Treatment & Disposal	IQ Water System	Biosolids	Total	\$ Increase (Decrease)	% Increase Decrease
Salaries & Wages	2024	718,100	574,200	337,400	1,266,500	1,002,500	388,600	367,500	1,279,900	1,596,400	184,000	148,700	7,863,800		
Salaries & Wages	2025	760,900	596,100	356,800	1,387,200	1,068,800	507,700	390,300	1,357,600	1,697,900	190,200	153,200	8,466,700	602,900	7.7%
Payroll Taxes	2024	39,700	41,400	25,200	91,200	73,100	28,300	23,300	94,400	118,100	13,600	10,900	559,200		
Payroll Taxes	2025	41,100	42,900	26,800	99,800	78,000	36,900	24,300	99,800	126,100	14,100	11,400	601,200	42,000	7.5%
Retirement Contributions	2024	115,400	93,700	35,400	181,600	150,500	61,800	59,700	190,900	260,600	30,100	24,400	1,204,100		
Retirement Contributions	2025	122,200	97,200	37,400	222,400	172,500	80,000	63,400	210,200	277,100	31,100	17,100	1,330,600	126,500	10.5%
Health Insurance	2024	186,900	149,800	59,900	295,500	302,400	134,900	65,000	327,000	378,700	48,300	46,800	1,995,200		
Health Insurance	2025	146,200	113,900	54,700	310,100	272,600	184,300	58,200	350,300	354,000	44,000	35,300	1,923,600	(71,600)	-3.6%
Workers' Comp Insurance	2024	800	2,600	300	9,100	9,800	5,700	3,200	18,000	21,400	2,700	2,200	75,800		
Workers' Comp Insurance	2025	800	2,700	300	8,200	10,400	7,500	3,400	19,100	23,000	2,800	2,200	80,400	4,600	6.1%
General Insurance	2024	36,980	-	8,550	4,100	-	-	450,100	-	-	-	-	499,730		
General Insurance	2025	43,025	-	5,450	4,100	-	-	579,073	-	-	-	-	631,648	131,918	26.4%
Supplies & Expenses	2024	91,340	29,405	98,315	208,587	74,865	62,195	87,645	257,250	301,270	19,470	13,020	1,243,362		
Supplies & Expenses	2025	90,762	27,911	109,262	220,133	72,700	87,500	87,703	277,320	303,617	20,440	12,640	1,309,988	66,626	5.4%
Utilities	2024	20,600	4,300	36,800	104,220	12,500	6,900	10,700	496,050	706,101	461,300	600	1,860,071		
Utilities	2025	20,600	4,300	39,800	103,220	12,500	6,900	10,700	490,050	740,800	396,300	600	1,825,770	(34,301)	-1.8%
Chemicals	2024	-	-	-	-	-	-	-	-	4,000	190,000	325,000	519,000		
Chemicals	2025	-	-	-	-	-	-	-	-	4,000	210,000	300,000	514,000	(5,000)	-1.0%
Repair & Maintenance	2024	21,475	10,100	70,074	84,080	24,500	25,100	45,270	897,900	635,010	171,700	103,700	2,088,909		
Repair & Maintenance	2025	21,948	10,688	65,507	73,759	41,667	66,472	45,514	1,072,257	867,052	209,394	102,394	2,576,652	487,743	23.3%
Contractual Services	2024	291,750	99,850	11,900	300,200	-	-	28,100	45,000	96,000	245,000	1,185,000	2,302,800		
Contractual Services	2025	212,250	91,347	15,328	323,500	-	-	27,000	45,000	158,000	265,000	1,285,000	2,422,425	119,625	5.2%
Contingency	2024	225,000	-	-	-	-	-	-	-	-	-	-	225,000		
Contingency	2025	225,000	-	-	-	-	-	-	-	-	-	-	225,000	-	0.0%
Prior Year Total	2024	1,748,045	1,005,355	683,839	2,545,087	1,650,165	713,495	1,140,515	3,606,400	4,117,581	1,366,170	1,860,320	20,436,972		
Current Year Total	2025	1,684,785	987,046	711,347	2,752,412	1,729,167	977,272	1,289,590	3,921,627	4,551,569	1,383,334	1,919,834	21,907,983		7.2%
\$ Increase or (Decrease)		(63,260)	(18,310)	27,508	207,325	79,002	263,777	149,075	315,227	433,988	17,164	59,514	1,471,011		
% Increase or Decrease		-3.62%	-1.82%	4.02%	8.15%	4.79%	36.97%	13.07%	8.74%	10.54%	1.26%	3.20%	7.20%		



Loxahatchee River District

Neighborhood Sewering Schedule - Revised June 2024

Rank #	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date	Heads Up Notice	Sewer Options	Notice Of Intent	Preliminary Assessment	Notice To Connect	Final Assessment	Boundry Interlocal / Legislative
11	Jupiter Farms (East)	708		TBD	TBD							Legislative
11	PB Country Estates	1547		TBD	TBD							Legislative
21	Indian Hills	12	Property Records Review Determined Lots Abut US1 Right Of Way		Oct. 2024	Jan. 2016	Mar. 2024	Jun. 2024				Legislative
Remnant Area												
Rank #	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date	Heads Up Notice	Sewer Options	Notice Of Intent	Preliminary Assessment	Notice To Connect	Final Assessment	Boundry Interlocal / Legislative
	605+607 Military Trl (LPPS)	2		2022		Jun. 2020		Jan. 2021				Legislative
	18030 69 th Terrace	1	Application for developer project made; Comments on plans being addressed by applicant					Jun. 2024				Legislative
	SE Island Way Property	2	Permitting Complete; Final Assessment July 2024					Aug. 2022				Legislative
	2966 Jamaica Drive	1	Statutory Way Provision – April 2024 (1 lot)					Aug. 2022				Interlocal
Private Road Areas												
Rank #	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date	Heads Up Notice	Sewer Options	Notice Of Intent	Preliminary Assessment	Notice To Connect	Final Assessment	Boundry Interlocal / Legislative
AA	Peninsular Road	3	Partial construction complete - June 2013 Soliciting easements for remainder of project	2010	AEO			Feb. 2010				Legislative
BB	Rivers Edge Road (Martin Co.)	35	Private Road-Easements Solicited - May 2014 Project Delayed	2013	AEO	Aug. 2010		Feb. 2014				Legislative
CC	171 st Street (Martin Co.)	7	Private Road - In House Design Easement rec'd from Church – April 2017 Grant received	2014	AEO	Oct. 2012						Legislative
D	Loggerhead Park (institutional)	6 EC's	Need Easements from County - No database	2014	AEO							Legislative
DD	Taylor Road	38		2015	AEO	Sept. 2011						Legislative
FF	North A1A	3	Postponed-Town activities in area - No database	2012	AEO							Legislative
GG	815 S US 1	9 EC's		2016	AEO	Nov. 2014						Legislative
GG	Rockinghorse (north of Roebuck Road)	11		2018	AEO	Jan. 2013						Legislative
GG	SE Castle Rd	5		2018	AEO	Jan. 2013						Legislative
GG	SE Jupiter Rd	4		2018	AEO	Jan. 2013						Legislative
HH	19485 Harbor Rd. S	6	Statutory Way Provision – May 2023 (1 lot)	2017	AEO	Jan. 2014		May 2024				Legislative
16	Limestone Creek Road West	49		2018	TBD	Jan. 2013						Legislative
	109 Old Jupiter Beach Road	1	Constr. Plans In Redesign Per Owner – Sept. 2023 - Approved May 2024; Under Construction June 2024			Sept. 2021 July 2022		Jun. 2024				Legislative
	182 nd Road North	12	Sewering Pricing Request by 50% of Owners Conceptual Design/Cost Est. - provided June 2023									Legislative
	6604 N 195th Place	1	Statutory Way Provision – Mar. 2024					May 2024				Legislative

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

SHENKMAN & SHENKMAN P.A.
2151 S. Alternate A1A, SUITE 1000
JUPITER, FLORIDA 33477
TELEPHONE (561) 822-3939
Curtis@PalmBeachLawyer.Law

LEGAL ASSISTANTS
REAL ESTATE
JAMIE KEELAN
CAROLINA INMAN
DENISE B. PAOLUCCI

July 2, 2024

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, and/or monitoring 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.

Two (2) matters of potential pending litigation are reported under “Other Litigation”.

There are no analysis 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

Attachment

OTHER LITIGATION

LRD -collection from Sonoma Isles HOA.

Nov. 6, 2023 LRD Attorney Demand Letter to Sonoma Isles HOA

Dec. 28, 2023 Letter from Attorney for DiVosta of Assignment to Sonoma Isles HOA

Dec. 29, 2023 LRD Attorney Demand Letter to Sonoma Isles HOA & Attorney

Feb. 1, 2024 LRD Attorney Demand Letter to Sonoma Isles HOA Attorney with evidence and documentation going back to 2006 to justify the \$88,180.38 Due to LRD.

Feb. 28, 2024 LRD Attorney Demand Letter to Sonoma Isles HOA Attorney confirming Sonoma Isles HOA in settlement discussions with DiVosta Homes, LP, including the funds owed to LRD. Confirmation with Attorney for DiVosta Homes, LP.

Mar. 15, 2024 LRD Attorney requiring and receiving written confirmation from both the attorneys for Sonoma Isles and for DiVosta Homes that the parties are engaging in meaningful legal settlement negotiations that include having the LRD paid for delinquent IQ water billings.

May 10, 2024 LRD Attorney & Sonoma Isles Attorney settlement conference scheduled.

May 24, 2024 Sonoma Isles Attorney letter with offer of settlement (unacceptable to Executive Director)

June 28, 2024 Sonoma Isles NEW ATTORNEY settlement conference call with District attorneys, and email of District's legal documents that evidence the District's claim for delinquency, and suggest a potential settlement elements that Sonoma Isles must approve and submit for the District's consideration.

LRD- manhole & gravity main line re-routing by Coastal Property Concepts ("Coastal") real estate developer of new home under construction at 844 Oceanside Drive, Juno Beach, FL 33480.

Oct 12 2022 LRD Attorney Legal Opinion existing Manhole & gravity main line installed by developer in 2005 serving the Oceanside project development permits a reasonably sized home to be designed and constructed in accordance with the District's Construction Standards.

Oct 26 2023 LRD Attorney advising attorney for Coastal the home under construction is being built in violation of the District's Construction Standards, must be addressed by home improvements relocated/reconstructed or manhole and gravity main line re-routed so as not to be in violation of the District's Construction Standards.

Oct 2023-Jan 2024 LRD Attorney & Coastal Attorney in communications for resolution.

Jan 31 2024 Coastal letter to Town of Juno Beach requesting extension of Building Permit #21-9596 seeking extension of Permit expiring blaming delay on manhole alleged not located properly by the District and requesting February 28, 2024 Town Council meeting to address the extension.

Feb 1 2024 LRD Deputy Director official letter providing response to Town of Juno Beach addressing the manhole and gravity main line facts and circumstances.

Feb 28 2024 Town of Juno Beach granted extension of Building Permit to June 1, 2024.

March 13, 2024 LRD Attorney communication to Attorney for Coastal of the representation made to Town of Juno Beach to get the extension by Coastal that Coastal is

working with LRD to resolve the manhole issue.

March 27, 2024 Coastal Attorney confirmation in contact with Clark Cryer Engineer regarding preparing plans for new manholes to replace manhole in violation of District standards.

April 2024 Coastal Attorney email reporting Clark Cryer Engineer not communicating.

June 1, 2024 Building Permit expired with the Town of Juno Beach and not extended.

June 7, 2024 LRD response to Estoppel letter request sending copy of the Feb 1 2024 Deputy Director letter to the Town of Juno Beach addressing the manhole and gravity main line facts and circumstances.

July 2, 2024 LRD cooperates with Owner's request for Encroachments of Pool and Gas Line for Pool Heater into the Utility Easement, and reiterating the VIOLATION of the home built on top of the Manhole and Sewer transmission lines must be CURED in order for District to approve as condition prior to Town of Juno Beach issuing a Certificate of Occupancy for the home.

LIEN FORECLOSURES

NONE

MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS

NONE

Loxahatchee River Environmental Control District



Client Manager:

Sira Jockey Prinyavivatkul

sprinyavivatkul@baxterwoodman.com

Project Status Report Issued On: 7/2/2024

Project Title/Job	Project Description	Project Manager	Tasks Completed This Period	Milestones Next Period/ Due Date	Non-Scope Work	Action Items
Control Panel & Telemetry Installa PO 23-0164 Job Number: [0221297.00]	Design, permitting, bidding, and construction services for the improvements to 34 lift station control panels and associated miscellaneous improvements.	Rebecca Travis 561-425-7715 rtravis@baxterwoodman.com	4/30/24 - 100% Submittal	Review 100% Design Bidding - Originally scheduled 6/13/2024		Review Schedule Review 100% Design Bid Project
IQ511 Electrical and I&C Assessment (PO 24-0589) Job Number: [2326308.00]	Electrical and instrumentation & controls assessment of reclaim pump station IQ511.	Jockey Prinyavivatkul 561-425-7718 sprinyavivatkul@baxterwoodman.com	06/01/24 - 06/19/24 - Prepare DRAFT Electrical and I&C Assessment for review. 06/30/24 - Internal review of Submit DRAFT Electrical and I&C Assessment.	07/01/24 - Submit DRAFT Electrical and I&C Assessment for review 07/08/24 - Conduct DRAFT review meeting 07/24/24 - Internal FINAL Electrical and I&C Assessment review 07/31/24 - Submit FINAL Electrical and I&C Assessment		
Headworks Facilities, Diversion Structure A and Diversion Structure B Rehabilitation (PO #24-0767) Job Number: [2400584.00]	Design and bidding services for the rehabilitation of the Headworks Facilities, Diversion Structure A, and Diversion Structure B located at the Wastewater Treatment Plant.	Adam Radi 815-444-4411 aradi@baxterwoodman.com	5/16/24 - Kickoff meeting 5/17/24 - B&W site visit 6/27/24 - 50% Design submittals sent to the District (50% plans, EOPC, TOC, and schedule)	7/10/24 - 50% Design meeting 8/29/24 - 90% Design submittals to the District		LRD: 1. Confirm if the isolation valve for Diversion Structure A is operable. 2. Confirm District protocol if the District receives an out-of-compliance reading during bypass pumping. B&W: 1. Provide 50% Design agenda 2. Provide list of deficient items for clarification.
Vacuum Truck Dump Pit Improvements (PO # 24-0827) Job Number: [2400812.00]	Development of a preliminary engineer's opinion of probable construction cost for the improvements to the existing vacuum truck dump pit at the Wastewater Treatment Plant.	Jockey Prinyavivatkul 561-425-7718 sprinyavivatkul@baxterwoodman.com	06/01/24 - Coordination commenced with Palm Beach County Building Department and Planning and Zoning. 06/10/24 - Structural and civil review of proposed improvements. Commence cost estimations.	7/12/24 - Internal review of DRAFT preliminary engineer's opinion of probable construction cost. 7/19/24 - Submittal of DRAFT preliminary engineer's opinion of probable construction cost. 7/26/24 - Conduct review meeting of DRAFT preliminary engineer's opinion of probable construction cost.		
Clarifier No. 4 - Condition Assessment (PO # 24-0399) Job Number: [2325450.00]	Assessment and evaluation of the Clarifier No. 4 mechanical systems and structures and to develop construction cost estimates for items needing maintenance and repair. Clarifier No. 4 is located at the Wastewater Treatment Plant.	Brent Perz 815-444-4403 bperz@baxterwoodman.com	05/06/24 - Final technical memorandum submitted to District.			LRD: 1. Provide input on the new pilot approach and costs.
Anaerobic Selector Zone Pilot Test & Process Aeration System Energy Efficiency Evaluation (PO # 24-0380) Project Number: [2325824.00]	Assessment and Evaluation of an anaerobic selector zone and the activated sludge aeration system located at the Wastewater Treatment Plant.	Brent Perz 815-444-4403 bperz@baxterwoodman.com	5/11/24 - Shared with the District the approach, physical scope, and cost to modify aeration piping to allow use of existing diffusers for selector mixing, along with preliminary items to test in the field for setup guidance			LRD: Comment on the 6/11/24 information B&W: Respond to LRD comments B&W/LRD: Schedule a working meeting to begin updating implementation approach and schedule

**Loxahatchee River Environmental Control District
CMA Project Status Update
July 2, 2024**

1. 2500 Jupiter Park Drive Conceptual Site Planning

Activities Performed:

- Conducted kickoff meeting.
- Environmental field work was performed, report submitted, comments received from LRD, revised report submitted.
- Staff and Board survey were performed.
- Existing site base plan was prepared.
- A review of adjacent stormwater permits was performed.
- Site concept plans were prepared.
- Site visits and meeting with LRD were conducted to review survey results and concept plans.
- Presented survey results and concept plans to the Board.
- Submitted data request to LRD for massing study and received results. Provided LRD with initial space calculations.
- Reviewed WWTF capacity expansion goals with LRD. Submitted memorandum on the WWTF future space to LRD.
- Submitted draft Site Security memorandum, received comments from LRD, and submitted final memorandum.
- Draft massing concepts were presented to LRD at the meeting.
- LRD comments were incorporated, and a revised massing study was submitted.
- LRD provided comments on the revised massing study.
- Revised massing study submitted.
- Draft site plans submitted and comment received. Comment responses issued.
- Site planning memorandum drafted. Holding document submittal for confirmation on some of the key site plan concepts.
- Met with LRD staff to discuss comments and confirm concepts. CMA submitted additional information to follow up discussion at this meeting.
- Additional utility information provided by LRD.
- Site plans, massing study and site planning memorandum submitted.
- Comment responses provided to LRD.
- Meeting conducted to review comments.
- Sample revised site plans submitted to LRD for review of label/color schemes.
- Report and site plan resubmitted to LRD. Comments provided by LRD and conducted meeting to review comments.
- Final report and site plan revisions submitted.



HOLTZ CONSULTING ENGINEERS, INC.
270 South Central Boulevard, Suite 207, Jupiter, FL 33458 (561) 575 2005

MEMORANDUM

To: Kris Dean, PE, Deputy Executive Director, Loxahatchee River Environmental Control District
From: Christine Miranda, PE, Holtz Consulting Engineers, Inc.
Date: July 11, 2024
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 July 11, 2024. **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

- Construction is progressing. The wet tap for the water main relocation occurred on July 10, 2024. The Contractor is currently working on completing the relocation of the Town of Jupiter water main to accommodate the new generator location for the lift station. The next proposed activity will be to obtain approval on the proposed bypass for the lift station so that work on the wet well can commence. HCE continues to provide responses to Requests for Information (RFIs) provided by the Contractor.

Schedule Update:

The current contract completion date is August 12, 2024. The Contractor's most recent schedule provided reflects substantial completion occurring by October 9, 2024. We will continue to monitor construction activities and progress of the Contractor to determine whether a contract change order will be recommended to the District to extend the contract time.

Country Club Drive Force Main Transmission System Preliminary Evaluation

- *The District is currently reviewing the different methodologies that can be utilized for flow projections and will be providing feedback to HCE for finalization of the technical memorandum.*

Schedule Update: *Per the work authorization agreement, upon receipt of final information from the District on the draft memorandum, the final memorandum will be prepared and submitted within two weeks.*



Lift Station Telemetry Improvements

- HCE has coordinated with Revere to develop a plan for LS193. HCE also is continuing to provide HOA coordination, documentation of installed RTUs, and working with the Contractor and the District on SCADA related coordination. HCE continues to support the Contractor in obtaining Palm Beach County right-of-way permits as necessary. HCE and our electrical engineering subconsultant have completed preliminary punch lists of all installed RTUs.

Schedule Update: *The current contract Substantial Completion date is September 30, 2024, and Final Completion date is December 4, 2024.*

Injection Well Pump Manual Transfer Switch Addition

- The maintenance bond has been received by the District. All work and outstanding items are now done. This project is complete.

Lift Station No. 050 Emergency Generator

- The Palm Beach County Land Development right-of-way permit has been issued. This project will be advertised for bidding on July 21, 2024 with bids due on August 20, 2024. It is anticipated that a recommendation of award will be brought to the September 2024 board meeting.

Anaerobic Digestion and Biogas Utilization Study

- *The final technical memorandum was transmitted to the District on May 31, 2024. This project will be complete pending District review and acceptance.*

Emergency Response ESRI Collection Tool & Synovia Vehicle Tracking Assistance

- *No new activities have occurred for this work.*

**Loxahatchee River Environmental Control District
9278 Indiantown Road/20 Acre Site
Phase I – Remediation
LRECD PO#23-804 / KCI 482021095.02**

Progress Report

To: Mr. Kris Dean, P.E., Deputy Executive Director/Director of Engineering
From: Robert Zuccaro, PE, Env SP KCI Sr. Project Manager
Date: July 3, 2024

ACTIVITIES

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

Activities and Support:

- Task 1 - **Kick Off Meeting:** 100% Complete
- Task 2 - **Data Collection:** 100% Complete
- Task 3 - **Schematic Design Plan:** *100% Complete
- Task 4 - **Design Development Plan:** 98%
- Task 5 – **Meetings:** 47.5%
- Task 6 – **Construction Document Plans:** 65% Complete
- Task 7 – **Final Bid Documents:** 54%
- Task 8 – **Bid Assistance:** 0%
- Task 9 – **Project Schedule and Monthly Reports:** 100%
- Task 10 – **Site Plan:** *80%
- Task 11 – **Site Plan -Building Permit Processing:** *65.5%
- Task 12 – **Traffic Statement &Access Management** *27.5%

*Note that Tasks 3, 10, 11 and 12 have increased scope and fee due to supplemental work order for amenities added per approved grant funds (Amendment No.1-3)



July 10, 2024

Re: ***County Line Road Reclaimed Water Main Relocation/R23007
Project Update***

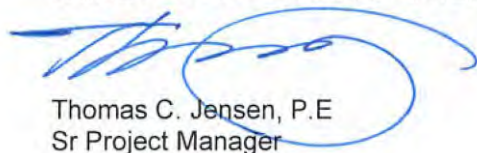
1. For June 2024, the following was completed.

- Received FDEP ERP on June 4th.
- Conducted two (2) calls with the new ACOE rep.
- Sent ACOE additional information (was already on file); Frac-out plan, our ERP approved permit, environmental exhibits, and Tequesta's ACOE approved permit.
- ACOE rep says he has two other projects in front of ours.

2. For July 2024, we will be doing the following.

- Continue discussion with ACOE rep.
- Contact another ACOE rep to see if we can get this permit expedited.
- Coordinate with LRD for bidding of project in early August with anticipation of receiving ACOE within the next few weeks.
- Arrange for a joint meeting/call with LRD/Tequesta concerning a bidding/construction by one organization.

KIMLEY-HORN AND ASSOCIATES, INC.



Thomas C. Jensen, P.E.
Sr Project Manager



July 10, 2024

Re: ***R24039/AC FORCE MAIN REPLACEMENT
A1A FROM JUPITER BEACH ROAD TO INDIANTOWN ROAD
Project Update***

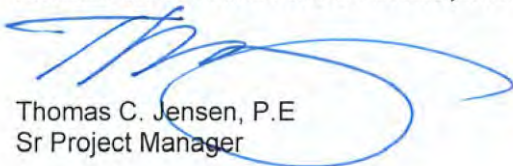
1. For June 2024, the following was completed.

- Commenced with 30% design plans.
- Received notice of PBC round-about construction and drainage construction within out pipe corridor.
- Walked project to review PBC construction activities.
- Received PBC design plans on their roadway and drainage work.

2. For July 2024, we will be doing the following.

- KHA to request pre-30% meeting with LRD to review our alignment and its impact on the PBC roadway and drainage work.
- Come to a resolution with LRD staff on the above and submit formal 30% design plans.

KIMLEY-HORN AND ASSOCIATES, INC.



Thomas C. Jensen, P.E.
Sr Project Manager



July 10, 2024

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.: C0089.40

Subject: Loxahatchee River Subaqueous Forcemain Replacement (PO No. 22-0911)

Dear Kris:

Below is our Monthly Update through July 10, 2024.

- **FDEP Permit Application (No. 50-0433593-001-EI):** Permit issued.
- **USACE Permit:** Permit issued.
- **Bid Documents Submission:** Complete documentation, including Drawings, Specifications, EOPCC, and Bid Items, was submitted to LRD on May 7th. Updated Contract Documents/ITB returned to LRD on June 20.
- **Advertising for Project Bids (LRD):** LRD has advertised Project. Pre-Bid conference held on July 10. Bid opening is scheduled for July 23.
- **Expected Award of Construction Contract:** Anticipated at the Board Meeting on August 15, 2024.

Sincerely,
Mock, Roos & Associates, Inc.

Spencer Schroeder, P.E.
Senior Project Manager

GGG:jsj

Copies: Garry G. Gruber, P.E.
John Cairnes, P.E.
Tyler Thompson, P.E.

Mock, Roos & Associates, Inc.

5720 Corporate Way, West Palm Beach, Florida 33407-2066, 561-683-3113, www.MockRoos.com



Director's Report

- | | |
|-------------------------------|------------|
| ➤ Admin. & Fiscal Report | attach. #1 |
| ➤ Engineering Report | attach. #2 |
| ➤ Operations Report | attach. #3 |
| ➤ Information Services Report | attach. #4 |
| ➤ Environmental Education | attach. #5 |
| ➤ Safety Report | attach. #6 |
| ➤ Other Matters (as needed) | attach. #7 |





LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: Governing Board
From: Kara Fraraccio, Director of Finance and Administration
Date: July 12, 2024
Subject: Monthly Financial Report

Cash and Investments Balance

Balance as of June 30, 2024

Institution	Rate	Book Value	Monthly Change in Investment	Market Value
U.S. Treasuries:				
U.S. Treasuries - Due 06/30/24	5.47%	\$ 8,041,212	\$ 15,197	\$ 8,105,000
U.S. Treasuries - Due 08/01/24	5.38%	1,505,023	6,246	1,518,112
U.S. Treasuries - Due 09/26/24	5.31%	7,905,622	32,958	8,007,594
Subtotal		\$ 17,451,857	\$ 54,401	\$ 17,630,706
Investment Accounts:				
Florida Prime - SBA	5.49%		\$ 42,373	\$ 9,425,310
Florida FIT - Preferred Cash Pool	5.29%		29,644	6,867,574
Bank United - Public Funds Reserve	4.88%		8,635	2,163,350
Subtotal			\$ 80,652	\$ 18,456,234
Cash Account:				
Truist-Hybrid Business Account	3.30%		\$ 13,904	\$ 4,853,179
Schwab Sweep Account	0.45%		6	15,528
Subtotal			\$ 13,910	\$ 4,868,707
Total			\$ 148,963	\$ 40,955,647

Investment Policy Compliance

Performance Measurements

Average weighted rate of return on investments is: 5.12%. As of 06/28/24, 3-month U.S. Treasuries were 5.36% and the 1-month Federal Fund Rate was 5.33%. The District's average weighted rate of return on investment of 5.12% is lower than our benchmark because we have \$4.8 million in our business checking account, which earns just over 3%.

Stephen B. Rockoff
CHAIRMAN

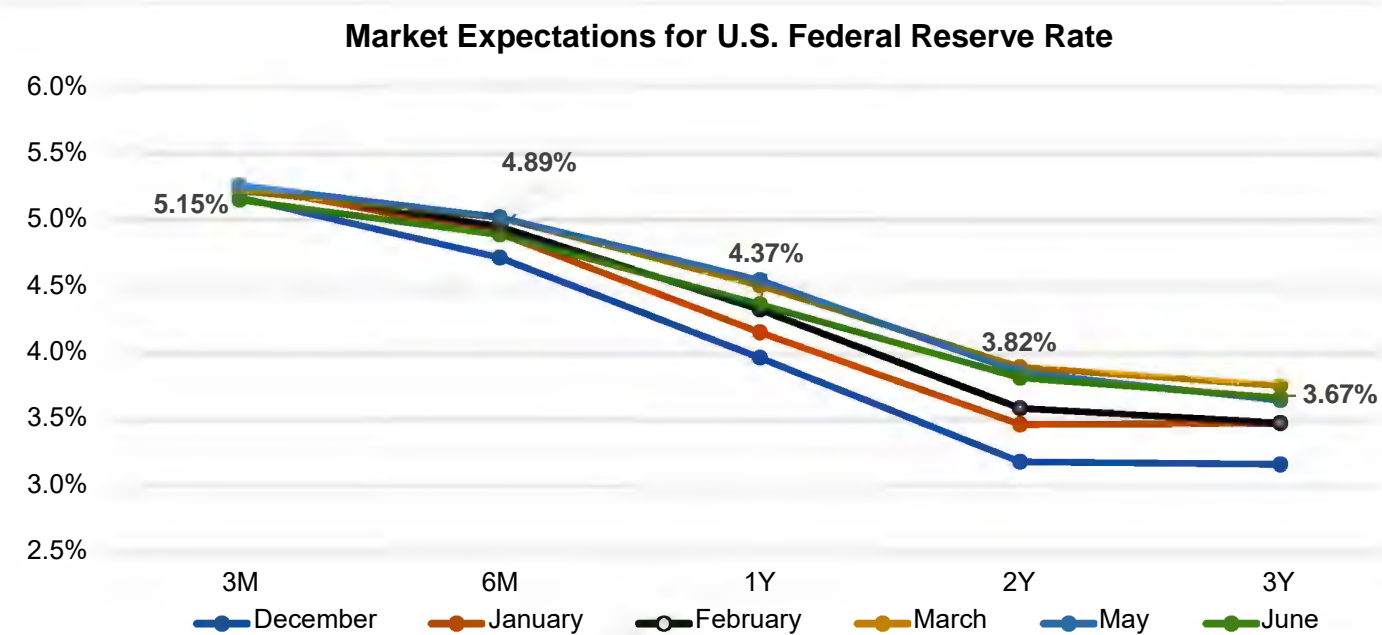
Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

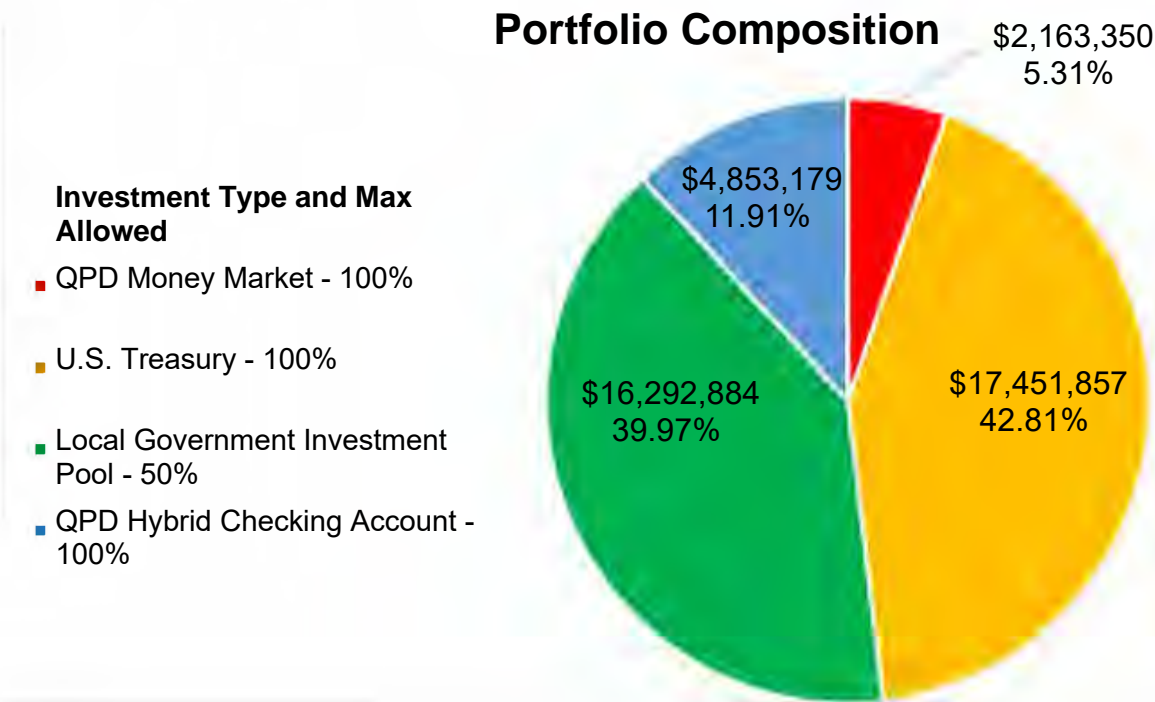
At this time staff believes it is still best to invest in short term maturities as short-term rates are higher than long term rates (e.g. the July 5th, 3-Month treasury rate of 5.37% vs. the 2-Year rate of 4.60%). This inverted yield curve is shown in the chart below. We will continue to monitor the yield curve and evaluate our options during this abnormal market.



*Data as of June 30, 2024.

Portfolio Composition

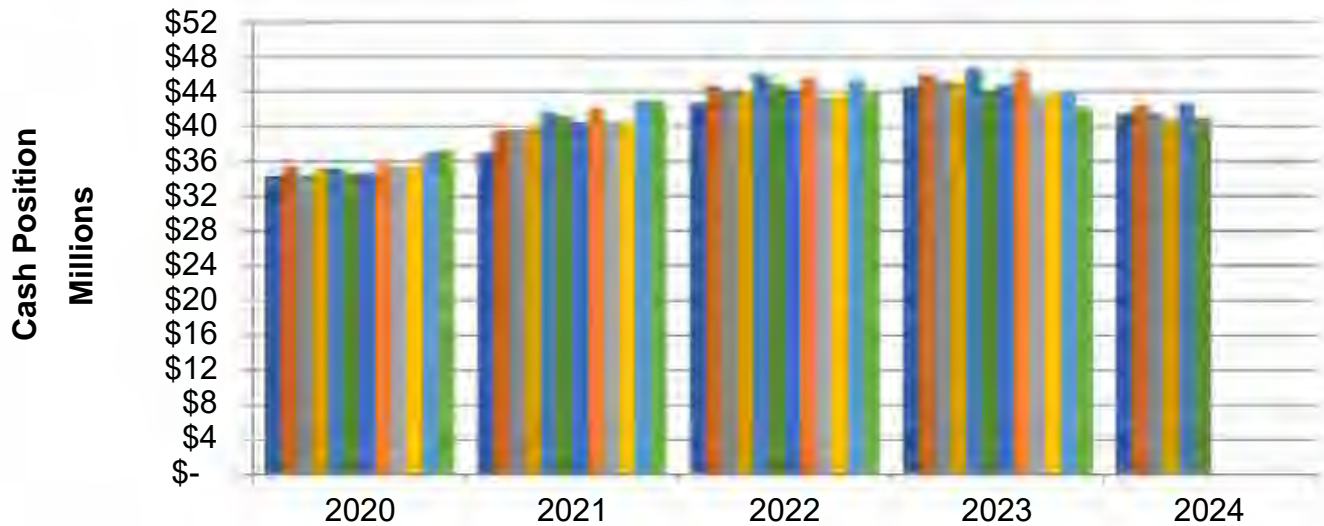
The percentage allocation for investment types is presented below. The percentage allocation requirement for investment types is calculated based on the market value at the time of purchase. All investments percentages are in compliance with the District’s Investment Policy.



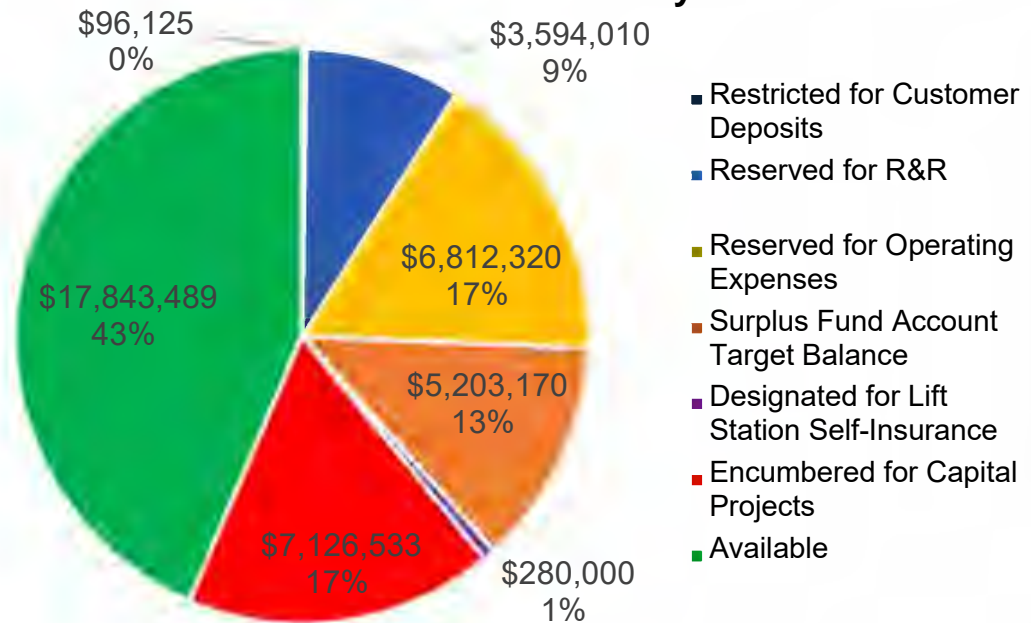
Cash Position

Cash position for June 2023 was \$44,195,894. Current Cash position is down by \$3,240,247.

Cash On-Hand



Cash Reserve vs. Available Summary



Financial Information

- There were no Legal fees billed in June. The fiscal year-to-date total is \$53,590.
- Estoppel fees collected in June totaled \$5,220. The fiscal year-to-date total is \$50,195.
- There was no septage billing in June.
- Developer's Agreement – There were two new Developer's Agreements in June.
- I.Q. Water Agreements – Sonoma Isles is past due for 14 months (May 2023-June 2024); Riverbend is past due for June.

Summary of Budget vs. Actual

Budget Benchmark
75.00%

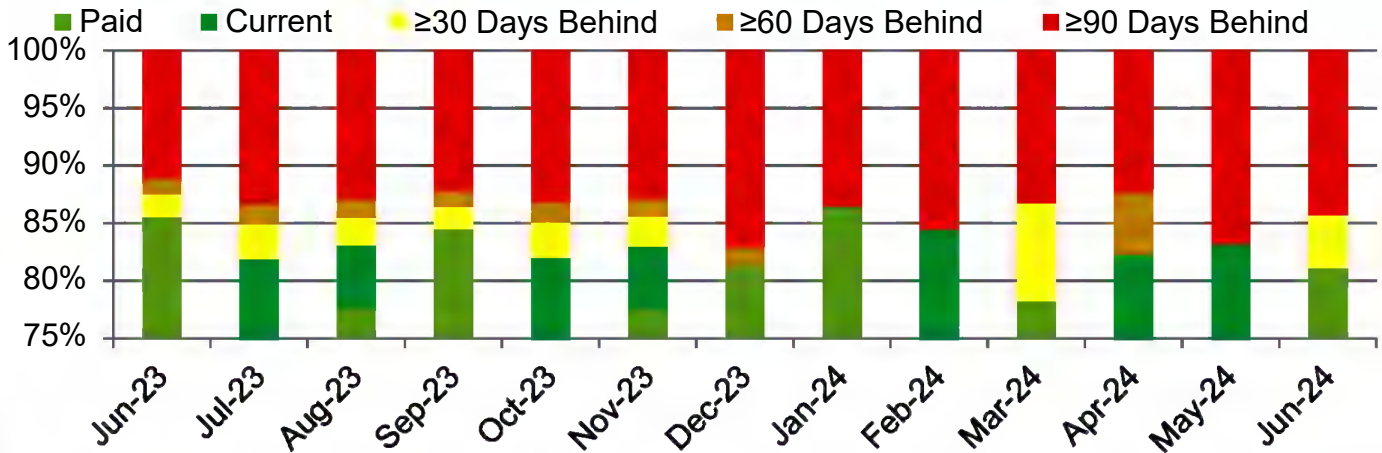
	Jun-24 Actual	YTD Actual	FY 24 Budget	Favorable (Unfavorable)	Budget Expended	Jun-23 YTD
Revenues						
Operating Revenues						
Regional Sewer Service	\$ 1,558,341	\$ 14,021,378	\$18,528,000	\$ (4,506,622)	75.68%	\$13,403,773
Standby Sewer Service	11,449	90,562	79,000	11,562	114.64%	80,076
IQ Water Charges	185,822	1,800,657	2,417,000	(616,343)	74.50%	1,769,741
Admin. and Engineering Fees	12,521	36,025	80,000	(43,975)	45.03%	25,686
Other Revenue	56,085	461,779	511,285	(49,506)	90.32%	382,878
Subtotal Operating Revenues	1,824,218	16,410,401	21,615,285	(5,204,884)	75.92%	15,662,154
Capital Revenues						
Assessments	\$ 31,552	\$ 1,101,146	1,082,000	19,146	101.77%	1,205,361
Line Charges	86,597	250,245	450,000	(199,755)	55.61%	157,569
Plant Charges	23,016	295,696	700,000	(404,304)	42.24%	572,459
Capital Contributions			250,000	(250,000)	0.00%	959,625
Subtotal Capital Revenues	141,165	1,647,087	2,482,000	(834,913)	66.36%	2,895,014
Other Revenues						
Grants		27,200	100,000	(72,800)		5,126
Interest Income	154,876	1,959,679	1,847,400	112,279	106.08%	1,603,859
Subtotal Other Revenues	154,876	1,986,879	1,947,400	39,479	102.03%	1,608,985
Total Revenues	\$ 2,120,259	\$ 20,044,367	\$ 26,044,685	\$ (6,000,318)	76.96%	\$ 20,166,153
Expenses						
Salaries and Wages	\$ 601,614	\$ 5,411,554	\$7,863,800	\$ 2,452,246	68.82%	\$5,107,284
Payroll Taxes	44,272	391,192	559,200	168,008	69.96%	368,404
Retirement Contributions	85,226	821,028	1,204,100	383,072	68.19%	736,784
Employee Health Insurance	124,896	1,175,160	1,995,200	820,040	58.90%	1,212,421
Workers Compensation Insurance		64,135	75,800	11,665	84.61%	54,492
General Insurance		492,629	499,730	7,101	98.58%	442,635
Supplies and Expenses	74,901	835,834	1,243,362	407,528	67.22%	827,682
Utilities	152,482	1,212,664	1,860,071	647,407	65.19%	1,197,353
Chemicals	36,481	384,513	519,000	134,487	74.09%	448,665
Repairs and Maintenance	170,610	1,678,434	2,088,909	410,475	80.35%	1,266,405
Outside Services	122,954	1,625,402	2,302,800	677,398	70.58%	1,486,591
Contingency			225,000	225,000	0.00%	
Subtotal Operating Expenses	1,413,436	14,092,545	20,436,972	6,344,427	68.96%	13,148,716
Capital						
Capital Improvements	\$ 1,151,798	\$ 7,105,490	12,697,473	5,591,983	55.96%	5,476,132
Subtotal Capital	1,151,798	7,105,490	12,697,473	5,591,983	55.96%	5,476,132
Total Expenses	\$ 2,565,234	\$ 21,198,035	\$ 33,134,445	\$ 11,936,410	63.98%	\$ 18,624,848
Excess Revenues						
Over (Under) Expenses	\$ (444,975)	\$ (1,153,668)	\$ (7,089,760)	\$ 5,936,092		\$ 1,541,305

Total Capital expenses incurred and encumbered totalled \$13,345,548 or 105.10% of the capital budget. This includes funds encumbered in a prior fiscal year for projects that stretch across multiple fiscal years.

Accounts Receivable

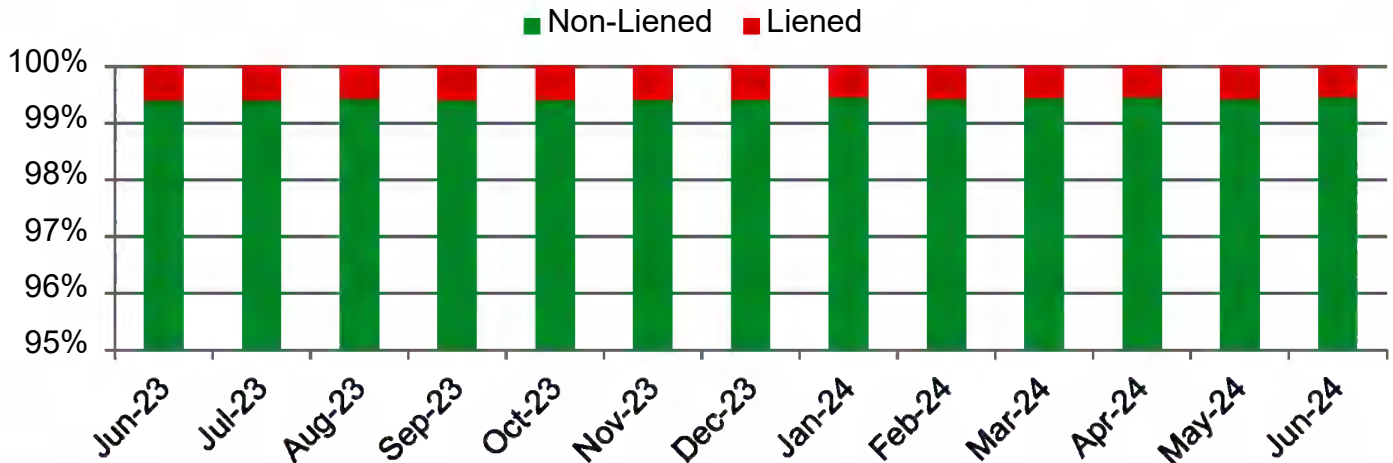
The District's second quarter billing was \$4,676,177, of this amount \$3,753,134 represents customer balances that are either paid or current. The chart below illustrates customers' receivable status as a percentage of quarterly sewer billing. Paid or current balances represent approximately 80.0% billing.

Customer Status



The District serves approximately 33,438 customers. Currently, the District has 187 liens filed which represent approximately 1.0% of our customers.

Liens Filed



Pending/Threatened Litigation

- No pending or threatened litigation.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

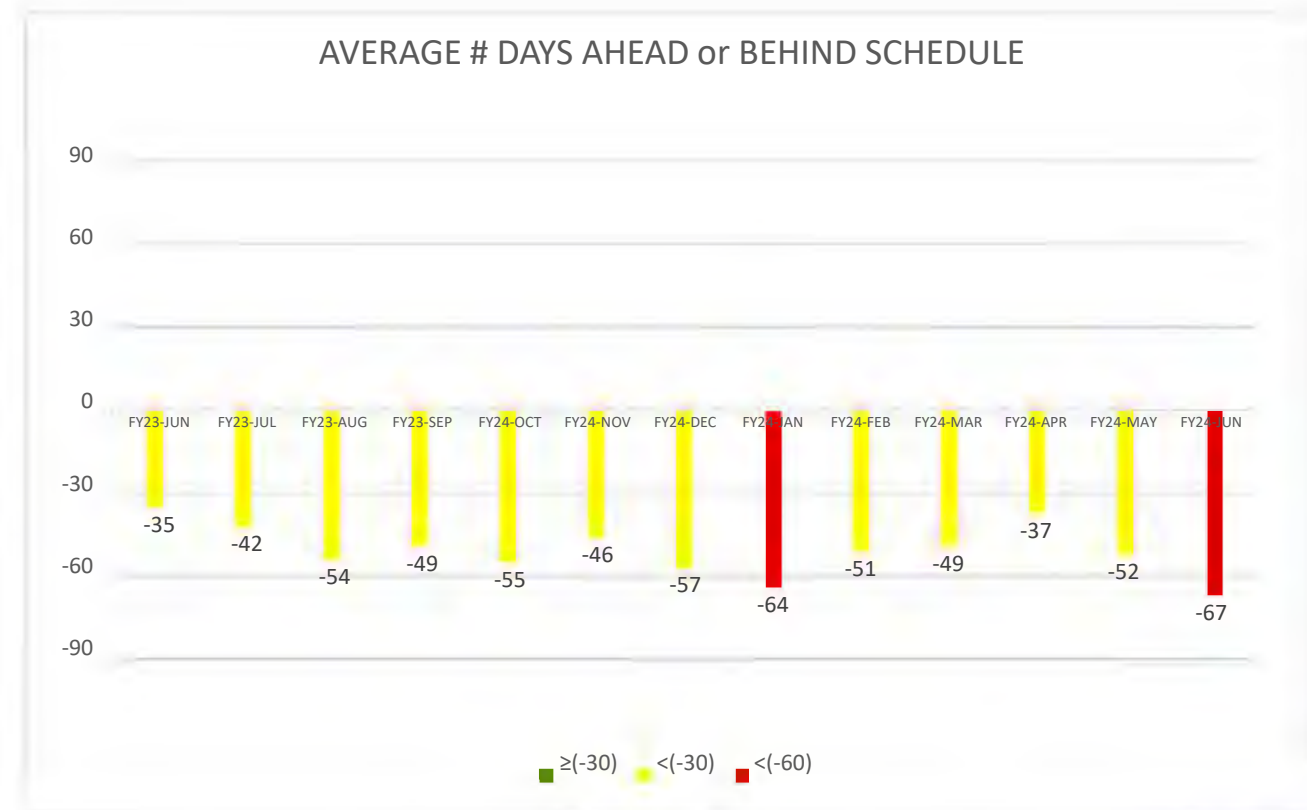
loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director
FROM: Kris Dean, P.E., Deputy Executive Director
Courtney Jones, P.E., Director of Engineering
DATE: July 11, 2024
SUBJECT: Capital Program and Engineering Services Report

Capital Projects

Capital Schedule (FLOAT = -67 Days)



Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Notable delays to the Capital Program are listed below.

N21008 – 2500 Jupiter Park Drive Site Planning – Site plans and improvement budgets are provided in this month’s notebook for consideration under Tab 6B after incorporating Board comments from June. Assuming Board approval this concludes 2500 Jupiter Park Drive Site Planning.

R22012 – Control Panel Replacements and RTU Installations at 36 Stations - This project has been paused based on FY25 budget planning. Staff anticipate proceeding with construction in FY26.

R##### (Various projects) – Lining Program – While the majority of work has been completed, outstanding issues requiring contractor correction or District action need to be resolved. Staff are working with the contractor for resolution.

N21009 – Injection Well Pump Station Emergency Generator Connection - Complete.

R23004 – Biosolids Processing Evaluation – The FINAL submittal was received in early June. Staff are reviewing.

R19011 – Lift Station 082 Conversion – The contractor has mobilized and is scheduled for completion in October 2024. Schedule recovery is not anticipated.

N23004 – Lift Station 050 Emergency Generator – Design and permitting are complete. Bidding and Award are scheduled for completion in September 2024.

R24009 – Anaerobic Selector Zone Pilot Testing and Aerbay Process Aeration System Study – Staff are working with the consultant on revisions to the pilot testing plan. Staff anticipate a revised plan being developed by August and the project progressing from there.

Construction delays have the largest impact to the negative float (63% from 16 projects total). Staff are working with consultants and contractors to close out punchlist items and implement recovery schedules.

The overall negative (-) float is attributed to the following causes:

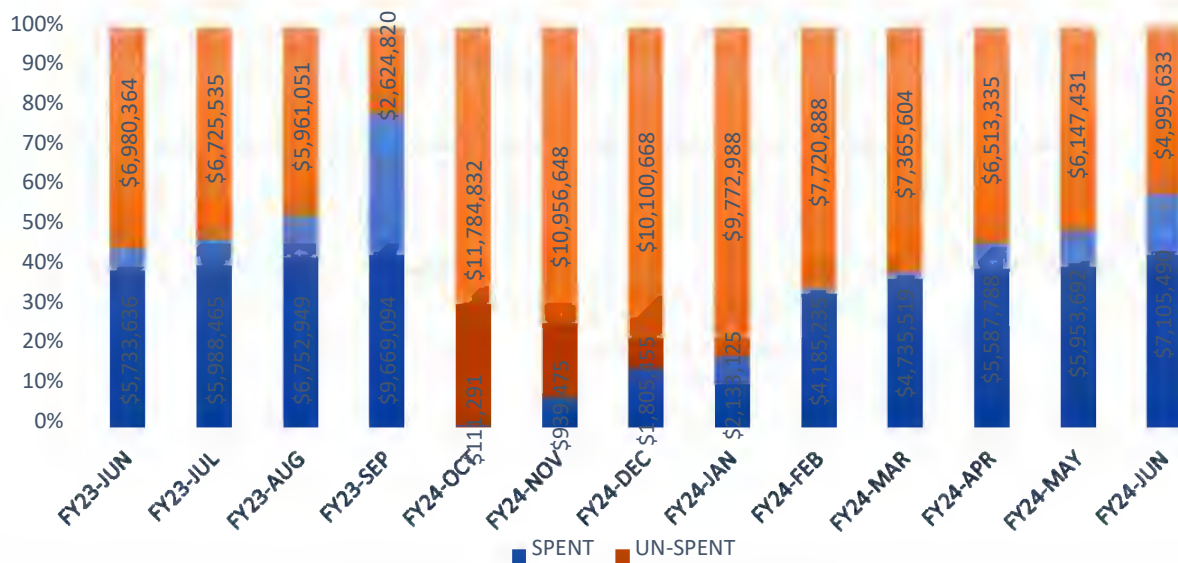
Construction Delays:	51%
Supply Chain Issues:	2%
Design/Permit/Bid:	14%
Late Start:	0%
Planning Contracts:	33%

Capital Budget

ENCUMBERED BALANCE (NOT SPENT)



FISCAL YTD CAPITAL BUDGET SPENT



Project Updates

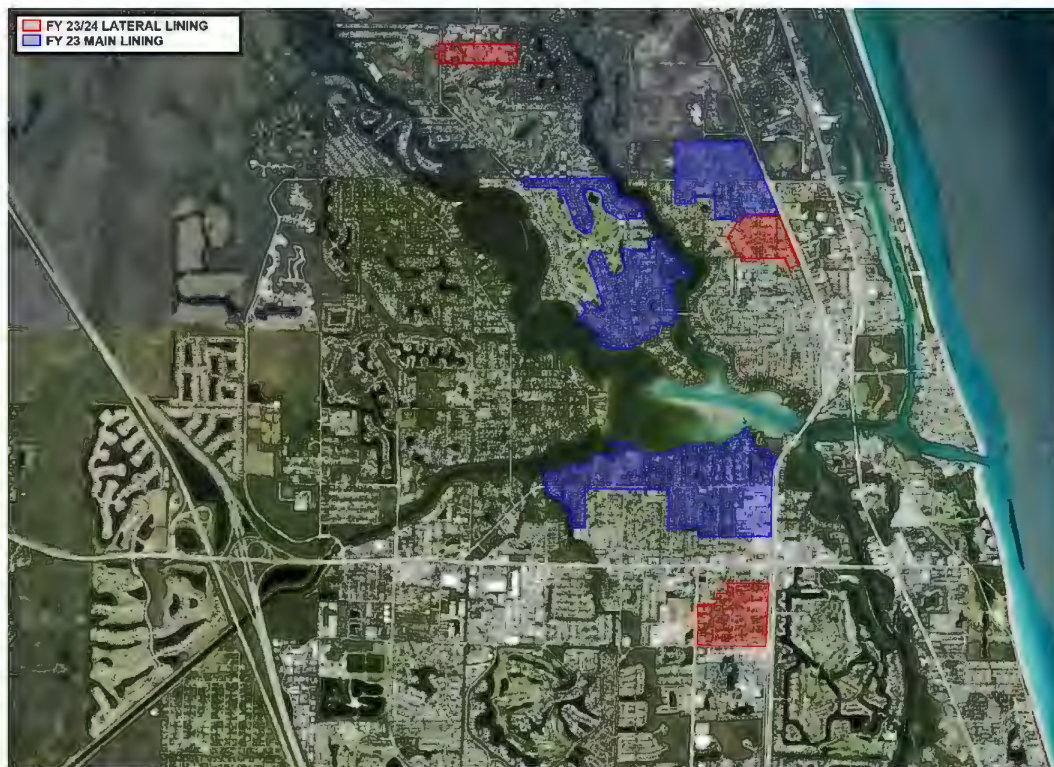
Science Center and Jupiter Inlet Lighthouse Outstanding Natural Area (aka: BLM House Renovations): Staff are evaluating alternate renovation approaches in-house based on revised layouts that have been coordinated with the River Center. Additionally, River Center staff are working on minimal site facilities to allow baseline programming to occur on the site. Facilities include a chickee hut and storage building, both of which are funded by a grant from the Bureau of Land Management.

2500 Jupiter Park Drive Site Planning: See Tab 6B.

20 Acres/9278 Indiantown Road: The Board approved the DEP Grant Agreement for the LRPI funding to construct parking facilities, a chickee hut, and nature trails on the 20 acres site. The consultant is working on the revisions and coordinating with PBC Planning and Zoning for concurrency.

In-house Projects

Gravity System Rehabilitation – Cleaning, TV Inspection and Lining:



Main lining work is complete in LS018, LS041, and LS054 systems.

The Board awarded lateral lining contracts for LS018, LS041 and LS054 in November 2022. A preconstruction meeting was held on January 11, 2023. The Contractor is currently working on lateral lining in all 3 systems.

The Board also awarded main lining contracts for LS050 in November 2022 and LS070 and LS071 in December 2022. Work commenced in January 2023. Main lining work in LS050 is completed. Main lining work in LS070 and LS071 is substantially complete and project is in punchlist/closeout with 1 remaining punchlist item to be completed.

In April 2023, the Board awarded a main lining contract for LS011, LS012, LS014, LS027 and LS190 collection systems. Contractor began cleaning and CCTV work in these systems in August 2023 and has started lining in these systems as of September 2023. Project is substantially complete with punchlist items remaining to reach final completion.

In November 2023, the Board awarded a lateral lining contract, which is planned to cover a portion of the LS050 system laterals. Pre-construction meeting was held on December 7, 2023. Construction commenced in March 2024. In May 2024, the Board re-authorized this PO for Phase 2 of this project. Construction in progress.

Staff utilized a piggyback contract mechanism to contract for select main lining work identified by field inspections.

Pre-construction meeting held for CIPP lining of six (6) gravity mains (LS001-GL057, LS001-GL160, LS063-GL016, LS063-GL017, LS041-GL015, LS041-GL027) on September 29, 2023. Project is under construction with only LS063-GL016 and LS063-GL017 remaining to be lined.

Contractor General Services Work:

Lift Station Rehabilitations General Construction Services:

Lift Station	Inspection	Design	Procurement	Construction
230	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
148	COMPLETE	COMPLETE	IN-PROCESS	-----
152	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
169	COMPLETE	IN-PROCESS	-----	-----
081	COMPLETE	COMPLETE	IN-PROCESS	-----
167	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
072	COMPLETE	IN-PROCESS	-----	-----
177	COMPLETE	COMPLETE	IN-PROCESS	-----
LP1260	COMPLETE	COMPLETE	IN-PROCESS	
039	COMPLETE	IN-PROCESS	-----	-----

Manhole Rehabilitation:

Staff utilized a piggyback contract mechanism to contract for select manhole rehabilitation work that has been identified per field inspections.

Pre-construction meeting for three (3) manhole rehabilitations (LS041-MH011, LS054-MH015, LS071-MH020) was held on October 5, 2023. Construction is substantially complete with punchlist items remaining.

Collections System / Operations Rehabilitation:

Staff utilized general services contracts (20-007-WWRECGENCONSTR, 24-001-00131 WW / IQ General Construction Services, and 22-005-0115 GENERAL SERVICES – ELECTRICIAN SERVICES) to contract for the following collection system rehabilitation projects.

Pre-construction meeting for this work was held on September 8, 2023. The projects that are under construction / not yet completed are as follows:

- LS051 – Replace disconnect– Work awaiting issuance of PBC permit.
- LS066 – Replace electrical conduit from FPL meter can to disconnect –substantially complete.

Pre-construction meeting was held on October 5, 2023. The projects that are under construction / not yet completed are as follows:

- 18345 SE Birdie Lane – repair stamped concrete driveway in Martin County R/W due to service lateral repair – Construction substantially complete with concrete finish work remaining.

Pre-construction meeting was held on November 16, 2023. The projects that are under construction / not yet completed are as follows:

- Ground Rod Installation - LS002, LS005, LS013, LS059, LS070, LS073, LS106, LS136, LS145, LS146, LS147, LS179, LS193, LS199, LS231 – Construction in progress.

Neighborhood Sewering/Remnant Properties:

109-111 Old Jupiter Beach Road: Re-design per the homeowner's request / easement provided for 109-111 Old Jupiter Beach Road is in progress. The project includes two services and low-pressure force main to be installed in existing roadway ingress/egress easement. Homeowners were provided information on 9/22/21 and 7/13/22. Homeowner at 109 Old Jupiter Beach Road has entered into an agreement, paid connection charges, and provided easement for preferred location of sewer facilities. Updated design drawings are complete. Design is complete and permits are in place. Project is in construction.

SE Indian Hills Drive: Staff held a neighborhood sewerage with the property owners and representatives of the POA on March 5, 2024 where 3 design alternatives were presented. The property owners requested a 4th design alternative which was provided on March 21, 2024. All property owners have provided the required easements and selected to proceed with Option 4. Project is currently in design.

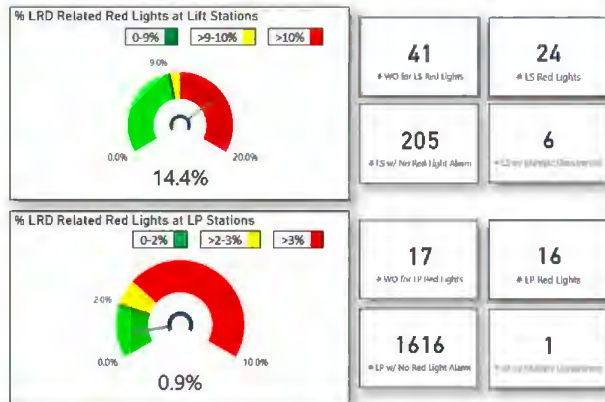
2966 Jamaica Drive: The project includes extension of existing low-pressure force main with 1 service to be installed in existing roadway ingress/egress easement. Design is complete and project is currently in permitting.

Other: Staff are working with IT and customer service to confirm remnant sewerage and update priority listing based on property access rights.

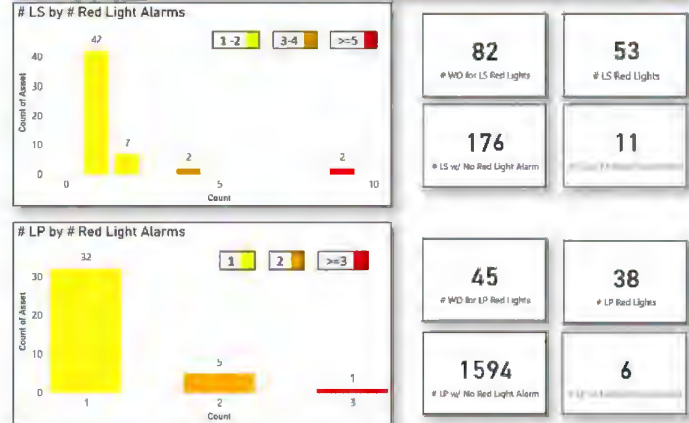
COLLECTIONS AND REUSE

Lift Station Red Lights: This month the system experienced 58 total red lights. 24 lift station red lights (with 6 stations experiencing multiple red light events) and 16 low pressure red lights (with 1 station experiencing multiple red light events).

Red Light Emergency Call Work Orders Dashboard June 2024

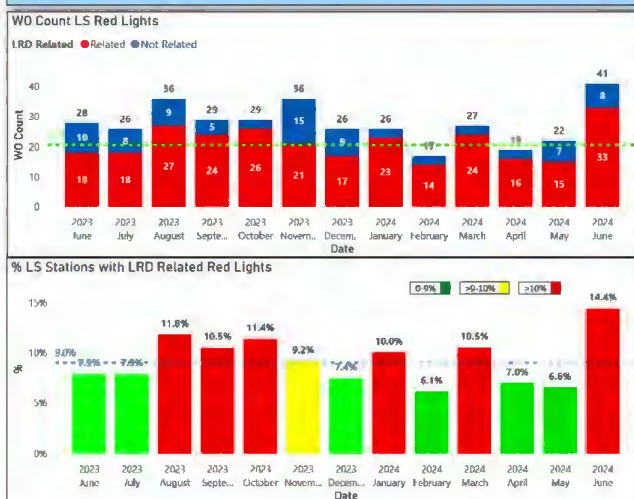


Red Light Emergency Call Work Orders Dashboard April 2024 through June 2024

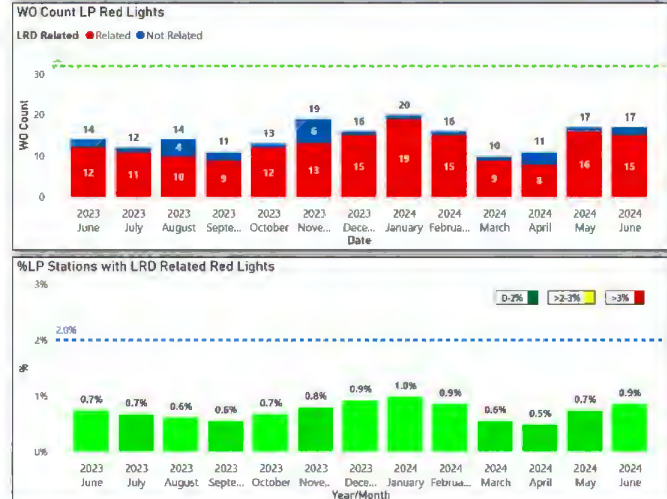


Work Order counts due to red lights exclude red lights due to FP&L power failure since staff have no mechanism to impact FP&L performance during inclement weather or other power outages. Staff continue to include FP&L power outages in the 3-month rolling average for repeat stations and work order counts to facilitate FPL coordination on problem areas and potential use of portable standby power to ensure continuity of service.

Red Light Emergency Call Work Order Lift Station: Trend 6/1/2023 through 6/30/2024

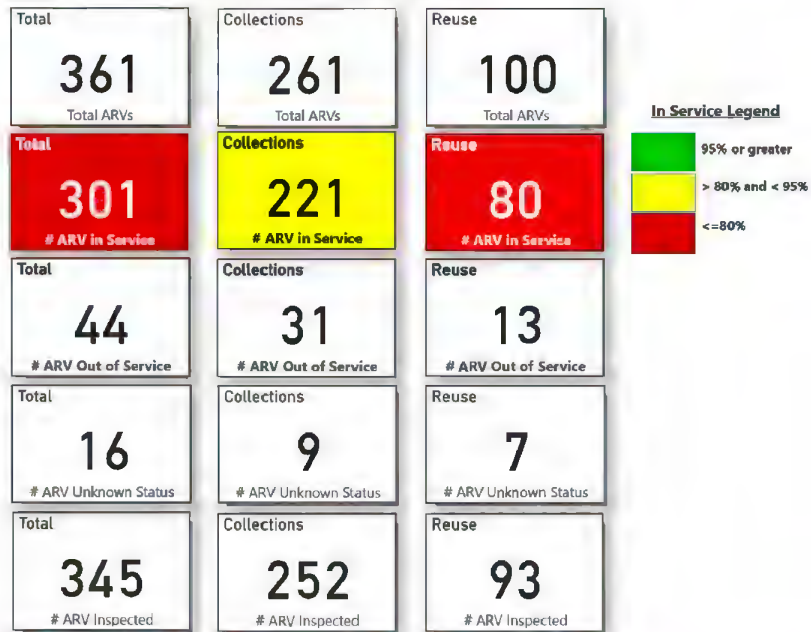


Emergency Call Work Order Low Pressure: Trend 6/1/2023 through 6/30/2024



Air Release Valves (ARV):

ARV Status Dashboard



Wet Well Cleaning:



UNAUTHORIZED DISCHARGES (fka SANITARY SEWER OVERFLOWS)

There were 2 unauthorized discharges in the collection-transmission-distribution system this month.

SANITARY SEWER OVERFLOWS:

Sanitary Sewer Overflow Details- June

- 01 - LP1072-WW 20 gal disconnect turned off County Line Road 06-04-2024
- 02 - IQ502-LE 238 gal Out of Service Level Element The Club at Admirals Cove 06-14-2024

Unauthorized Discharge FIELD : KPI

Date	Occurrences	Total Gallons	Impacting Surface Waters
June 2023	3	8,092	0
July 2023	0	0	0
August 2023	1	10	0
September 2023	4	441	0
October 2023	4	101	0
November 2023	6	1,702	1
December 2023	3	45	0
January 2024	2	25	0
February 2024	5	2,405	1
March 2024	3	70	0
April 2024	1	2,858	0
May 2024	2	30	0
June 2024	1	20	0
Total	35	15,799	2

Date	Occurrences	Total Gallons	Impacting Surface Waters
June 2023	0	0	0
July 2023	1	0	0
August 2023	0	0	0
September 2023	0	0	0
October 2023	1	20	0
November 2023	0	0	0
December 2023	2	220	0
January 2024	0	0	0
February 2024	1	900	1
March 2024	0	0	0
April 2024	0	0	0
May 2024	1	1	0
June 2024	1	238	0
Total	7	1,379	1

Conditional Formatting

Field Total Gallons < 1000 Impacting Surface Waters = 0
 Field Total Gallons < 1000 AND Impacting Surface Waters = 0
 Field Total Gallons < 1000 AND Impacting Surface Waters = 1



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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

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

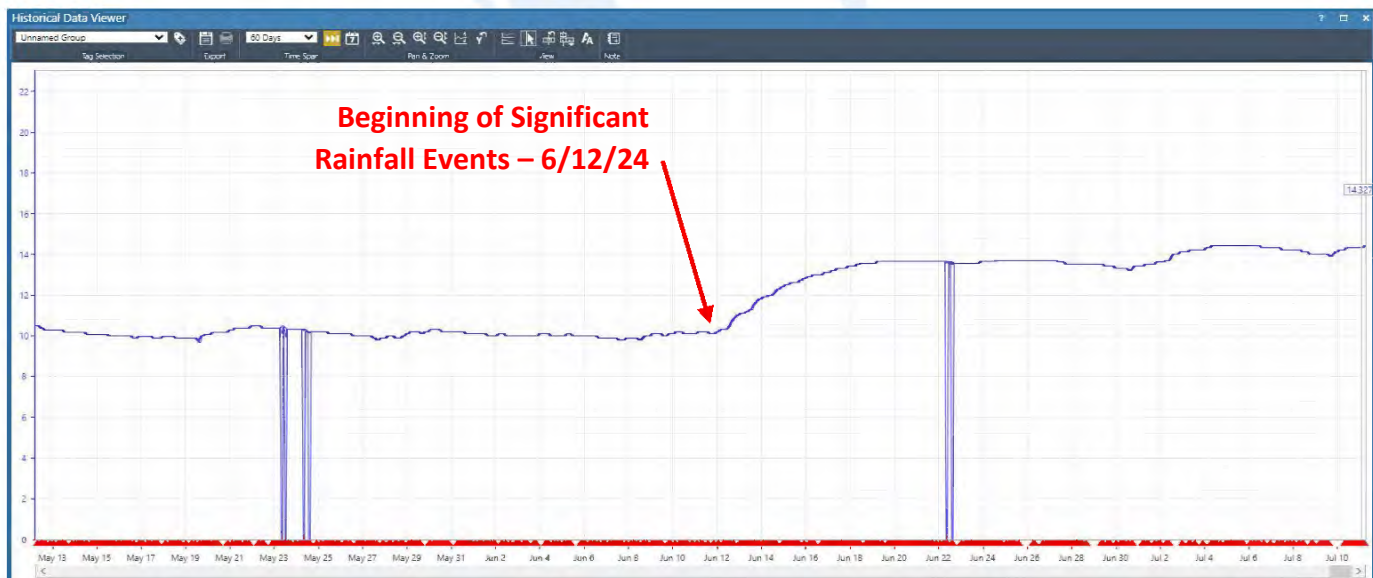
FROM: Jason A. Pugsley, P.E., Operations – Plant Manager

DATE: July 12, 2024

SUBJECT: June 2024 Operations Department Monthly Report

Treatment Plant Division / Maintenance Department

Overall, the month of June was productive with all monthly reports prepared and submitted on time. There were no permit exceedances this month. The treatment plant generally operated efficiently and met all treatment objectives. This month flows to the District's wastewater treatment plant were on the same order of magnitude as the flows recorded during the month of May. The most notable change during the last monthly period was the significant amount of rain received within the District's service area. The total rainfall recorded during the month was 11.69-inches. For comparison purposes, the average monthly rainfall recorded from January 2024 through May 2024 was 2.16-inches. This increased rainfall was significant because prior to this month, all curtailable IQ users were on cut-backs due to decreasing water levels in the onsite IQ lake storage lakes. The increased rainfall this month allowed Staff to discontinue all daily allotment cut-backs.



Historical IQ Lake Levels – May 13, 2024 through July 10, 2024

Stephen B. Rockoff
CHAIRMAN

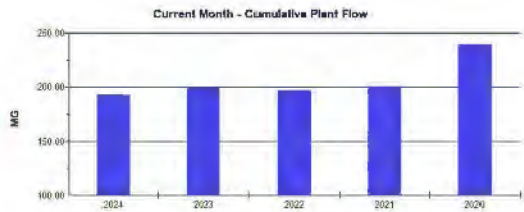
Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

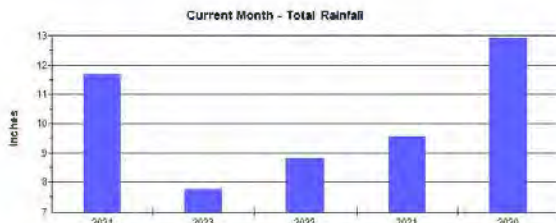
Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

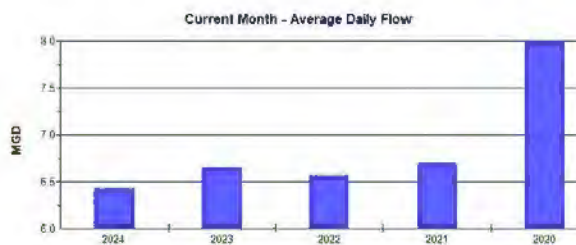
Graphical summaries of the plant flows and rainfall during the month of June, including comparisons with plant flows during the previous month (i.e., May 2024), are presented below.



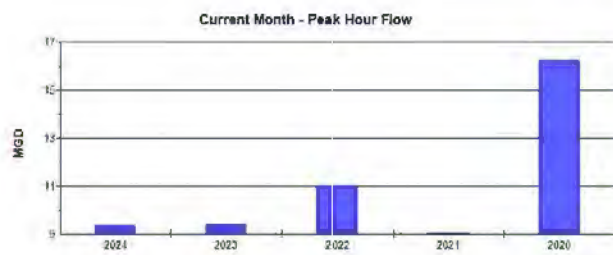
The Cumulative Influent Flow to the plant for the month of June was 192.91 million gallons. This is less than the May flow of 203.65 million gallons.



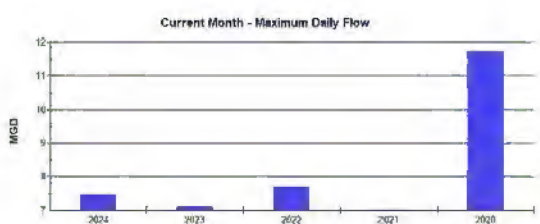
11.69 inches of total rainfall was recorded at the plant site during the month of June. This is significantly greater than the May rainfall recorded of 2.04 inches.



The Average Daily Flow (ADF) for the month of June was recorded at 6.43 MGD compared to 6.57 MGD during the month of May and 6.65 MGD during June 2023.

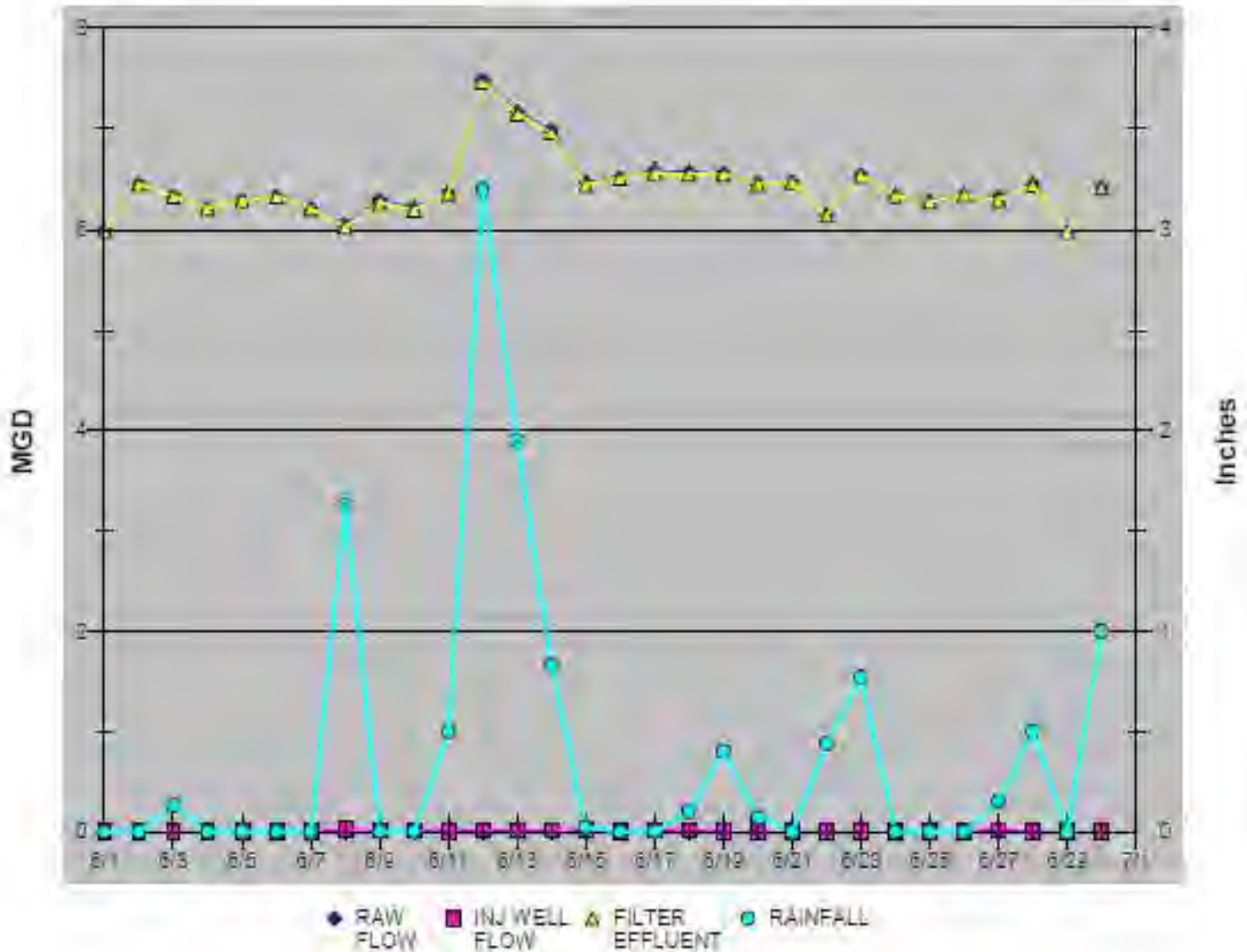


The Peak Hour Flow (PHF) for June was 6,500 GPM which equates to an equivalent daily rate of 9.36 MGD. This is greater than the PHF for May of 5,993 GPM (8.63 MGD).



The Maximum Daily Flow (MDF) in June was 7.47 MGD. This is slightly greater than the MDF for May of 7.05 MGD.

For the month of June, 99.90% or 192.71 MG of the cumulative influent flow to the plant 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 0.20 MG of blended effluent was diverted to the deep injection well for disposal. The plant delivered a total of approximately 176.14 million gallons of IQ water to the reuse customers during the month of June.



Year to date (i.e., Calendar Year 2024), approximately 79.67% 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, year to date, is 1,158.56 million gallons.

All monthly reporting was submitted on time.

Treatment Plant:

Operations Staff continued to perform routine monitoring, sampling and general maintenance of equipment and structures. Staff also completed and/or supervised work for special projects during the month including the installation of improvements within the Operations Control Room as well as the Operations Wet Laboratory. The improvements included the installation of an audio-receiver unit as well as a series of ceiling mounted speakers which are dedicated, exclusively to broadcasting wastewater treatment plant alarms originating from the plant site supervisory control and data acquisition (SCADA) system. The speaker system ensures that any alarms issued by the SCADA system will be simultaneously heard throughout the Operations Control Room and Wet Laboratory. Previously, the audible indication of alarms was annunciated via the respective desktop computer terminals located within the Control Room, only. The new speaker system provides clearer and consistent indication of alarms throughout both spaces. These improvements have resulted in quicker alarm response times and increased resiliency. These improvements were completed at a minimal cost, since all audio equipment used for the project was re-purposed from previous facility improvements.

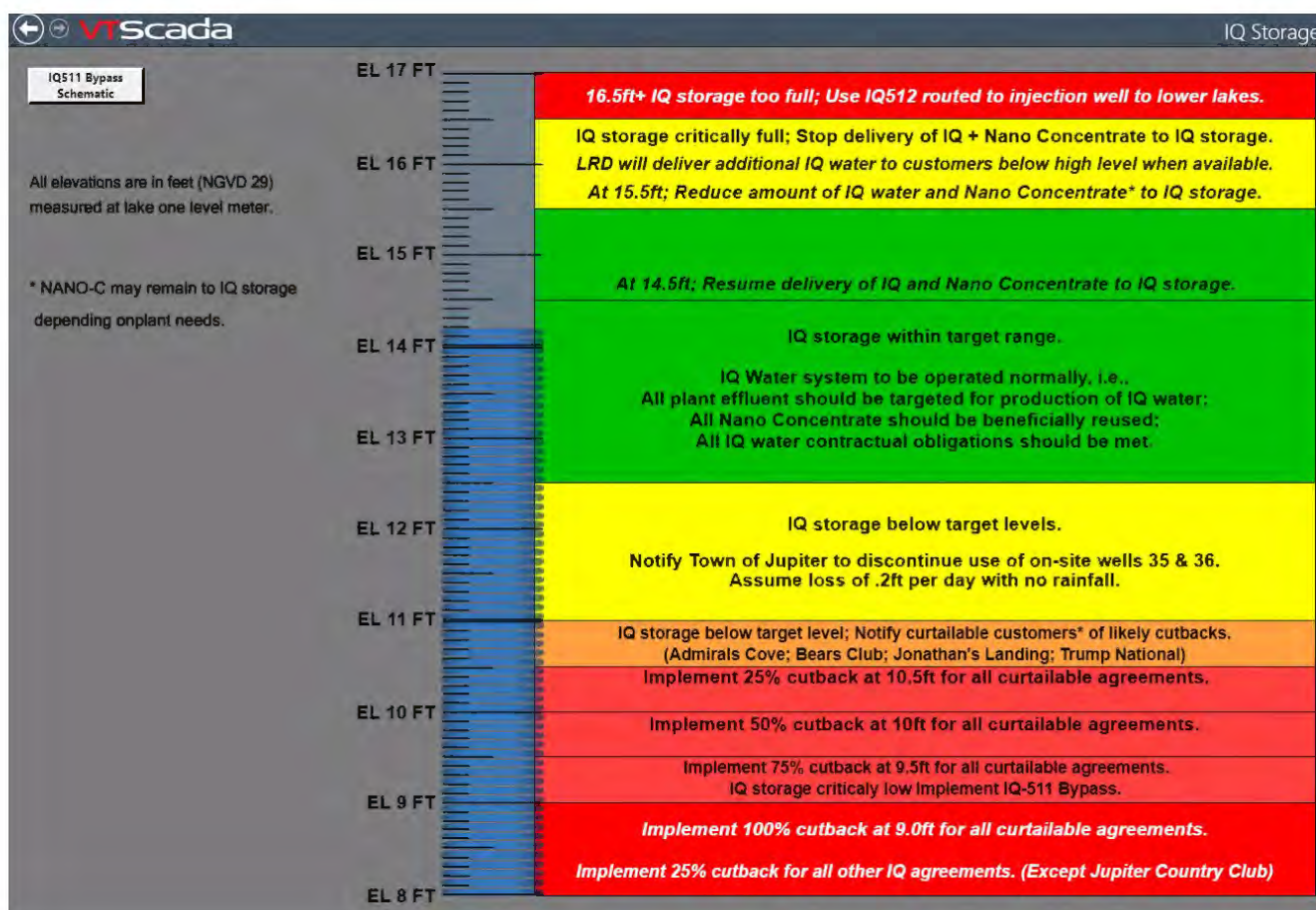


Wet Laboratory – Ceiling Mounted Speaker



Control Room – Ceiling Mounted Speakers


This past month, Operations Team members worked with the District's SCADA & Database Management specialist, Alan Lopatosky, to develop a new visual and alarm interface screen within the wastewater treatment plant SCADA system. The screen provides a real time indication of the irrigation quality (IQ) water level in the IQ Storage Lakes along with a comparison to the IQ System Storage Protocol. The Protocol provides specific lake level thresholds at which operational changes are either imminent or required. The Protocol also indicates the specific level thresholds previously established for the notification and/or implementation/discontinuance of daily allotment cutbacks to the curtailable IQ users based on the respective service agreements. As the IQ lake levels rise and fall, Operators receive automated notifications/alerts via the SCADA system and District management are notified via email when critical lake levels are reached which could potentially require a step curtailment of the curtailable IQ user daily allotments. Prior to developing a dedicated SCADA interface screen for this purpose, Operators had to regularly cross-reference the IQ Storage Protocol standard.



IQ Storage Protocol SCADA Interface Screen

The Operations Team worked with the equipment manufacturer, Krohne Group, to perform the annual servicing and calibration of all Krohne electromagnetic flow meter devices and pressure devices in service at the District's WWTP. As part of this work, the manufacturer performs a detailed review and assessment of the current condition, functionality, and accuracy of each in-line flow tube or pressure sensor, as well as the associated transmitter unit. The equipment is then tested against known standards and, where required, firmware updates are completed to ensure that the operating system of each meter is the most recent version available. Upon completion of the servicing, Krohne issued a calibration verification certificate for each instrument/meter. The calibration certificate documents that each unit has been evaluated and determined to be in proper working order and providing results within acceptable tolerances, for the respective process parameter. There were no equipment issues or accuracy deviations discovered for any of the meters serviced as part of this annual event.

Electromagnetic Flowmeter Verification Certificate



Customer Data		Verification Data	
Name	Loxahatchee River District	Inspector	Aiden Wyatt
	Nathan Jarvis	Location	Filter Pump 2
Address	2500 Jupiter Dr	Date Performed	2024-05-15 14:42:42
	Jupiter FL	Certificate Printed	2024-05-15 14:49:54
	33458	Verification Type	Level 2
Phone	5614014180	Reason	Annual verification
Email	nathan.jarvis@lrccd.org		

Test Results	
Test Module	Result
OPTICHECK Identification	
Determine Attributes	PASSED
Meter Identification	
Determine Attributes	PASSED
Check Device Status	PASSED
Sensor Electronics Tests	
Test Coil Circuit	PASSED
Test Electrode Circuit	PASSED
Sensor Tests	
Test Coils	PASSED
Test Electrodes	PASSED
Test Module	Result
I/O Tests	
Current Output Terminal A (active)	PASSED
Current Output Terminal A (passive)	PASSED
Status Output Terminal B (passive)	PASSED
Control Input Terminal B (passive)	PASSED
Status Output Terminal C (passive)	PASSED
Status Output Terminal D (passive)	PASSED
Frequency Output Terminal D (passive)	PASSED
Final Tests	
Check Reconnection	PASSED
Status of Terminal A	PASSED
Status of Terminal B	PASSED
Status of Terminal C	PASSED

Overall: PASSED

Required User Actions:
 Open circuit test of electrodes skipped because of empty pipe

Flowmeter Details		OPTICHECK Details	
Device Type	OPTIFLUX 2300	Supported Meters	Electromagnetic, Mass, Vortex, Level
Serial No.	A95 398	Type	OPTICHECK Master
Converter Serial No.	104016962	Version	4.3.2
Converter CG No.	CG30011100		
V-Number Sensor		Application Details	
Electronic Revision	ER3.3.7	Process Medium	
GK / GKL	GK 3.5345 GKL 7.1522	Temperature	
Nominal Diameter	450 mm 18 inch	Pressure	
Liner		Inlet	
Electrode Material		Outlet	
Calibration Date	2016-02-24	Empty Pipe	Yes
Tag	A95 398	Bootstrap connection	No

Comments:

These tests verify that your instrument is running without any errors and complies with the requirements for traceable verification according to DIN EN ISO 9001:2015 Section 7.1.5.2.

Krohne Instrument Calibration Certificate Example

Lastly, the Operations Team purchased and took delivery of a one-ton chlorine cylinder training end. The training end is a full size, facsimile, end of the standard DOT 106A500X chlorine container made of aluminum and mounted on a rolling support base. The training end is designed to simulate an unanticipated release and provides a means to perform “hands-on” training of Staff in the process of changing out cylinders. Discharges can be simulated by connecting either a water or air source to the manifold on the backside of the training cylinder end. Staff are currently in the process, in coordination with the District’s Safety Officer, of developing a comprehensive training program utilizing this new critical tool.



One – Ton Training Cylinder – Front Side



One-Ton Training Cylinder – Back Side

Maintenance Department:

The Maintenance Department continued to efficiently perform planned maintenance (PM) tasks during the month of June. 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.

Maintenance Team members replaced the existing 250-horsepower (hp) electric motor for Injection Well Pump No. 2 (IWP-2). The injection well pumps are essential for the disposal of secondarily treated effluent during periods when the irrigation quality (IQ) storage ponds and lakes have been filled to capacity. The injection well pump station is one of the most critical structures at the WWTF. The pump station collectively includes a total of two (2) wet wells and four (4) identically sized vertical turbine pumping units. Each of the pumping units has a rated capacity of 4,500 gallons per minute (gpm) or 6.48 MGD. The pump station was designed based on three of the pumps being duty pumps and one of the pumps being maintained as a redundant pump. During the month, it was discovered that IWP-2 was not capable of performing at its rated capacity. Upon inspection and megger testing of the motor it was determined that the motor had failed. A megger test measures the voltage drop across the connection point between the motor leads and ground and calculates an insulation value which is displayed to the user. The insulation value should meet published standards for the service voltage of the motor being tested. If the insulation value is less than the standard, then it means there is an integrity issue with the motor insulation and/or circuit and cabling insulation. Based on the findings of the integrity testing, Maintenance Staff worked quickly to replace the failed motor with a spare motor maintained onsite.

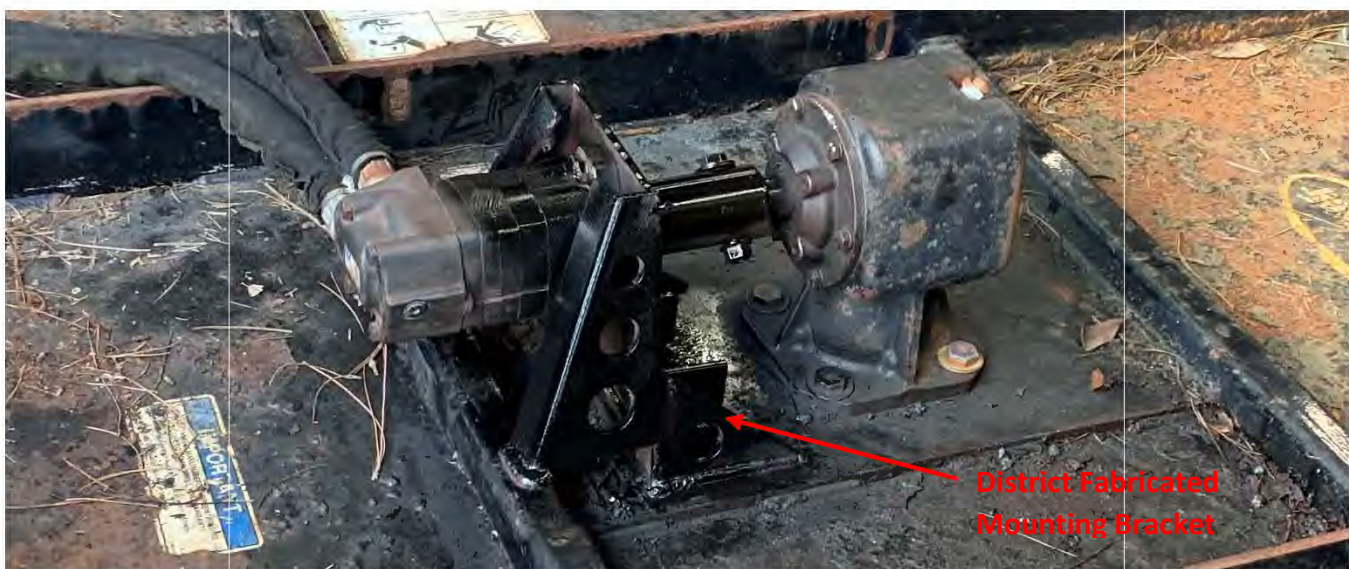


Injection Well Pump No. 2 – Motor Replacement

Lastly, Maintenance Team members worked collectively to make necessary repairs to the hydraulic drive motor assembly mounting bracket on the brush cutter attachment for the skid steer. The bracket required replacement due to the failure of the original, factory supplied bracket. After reaching out to the manufacturer of the brush cutter to purchase a replacement bracket, Staff was advised that due to the age of the brush cutter, a replacement bracket was no longer available. After completing a detailed inspection of the entire brush cutter unit, Staff determined that, except for the failed bracket, the unit was in good working order and if repaired had significant remaining useful life. Using the tools and equipment within the maintenance facility, Staff were able to fabricate, paint and install a new drive assembly bracket in short order. The result was a repair which was indiscernible from the factory installed bracket.



Skid Steer with Brush Cutter Attachment



Brush Cutter Hydraulic Drive Mounting Bracket



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director
FROM: Bud Howard, Director of Information Services
DATE: July 11, 2024
SUBJECT: Information Services Monthly Governing Board Update for June 2024

WildPine Ecological Laboratory

Riverkeeper Project

In June, in the midst of the first big (3.5"+) rain events of the wet season, the lab staff and our partners collected 135 water quality samples from 25 monitoring stations throughout the watershed. A total of 60 fecal indicator bacteria samples were analysed in support of additional testing for the weekly bacteria monitoring program and the additional monthly testing in Jones and Sims Creeks.

Not surprisingly, given the sampling during heavy rains, the overall water quality score for June 2024 was "POOR" with 56% of all samples meeting the EPA/DEP water quality criteria for each site. This was worse than last month's "Fair" score of 77% and last year's June score of 74% (see score card below). The lower score this month was driven primarily by poor chlorophyll, phosphorus and bacteria scores. This sampling during the first significant rain event of the wet season is referred to as the "first flush" and can drive poor water quality results as accumulated pollutants (ex. leaves, grass, dirt, dog waste, and others) are washed off the landscape and into the tributaries and river.

For the core parameters, *total nitrogen* scored "Good" during June with 88% of sites meeting the water quality criteria. This was very similar to last month's score of 87% and just a bit lower than last year's June score of 92%.

Total phosphorus results scored "Poor" in June with only 48% of sites meeting the water quality criteria. This was substantially lower than last month's "Fair" score of 77% and last year's "Fair" June score of 68%.

Chlorophyll results scored "Poor" again for June, with only 40% of sites meeting the stringent water quality criteria, lower than last month's score of 50% and down from last year's June score of 48%.

For the combined *fecal indicator bacteria* (fecal coliforms in all waters, enterococci in marine and brackish waters, and *E. coli* in fresh waters), June results scored "Poor" with only 52% of sites meeting the water quality criteria, much lower than last month's score of 85% and last year's June score of 80%.

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

SampDate

6/1/2023

6/26/2024

Loxahatchee River District Water Quality Scorecard

Results scored to FDEP/EPA Water Quality Criteria

Green - Good: 80% - 100%

Yellow - Fair: 60% - 79.9%

Red - Poor: < 60%

Monthly Water Quality Score

June
2024

56%

Overall

135

Total Samples

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

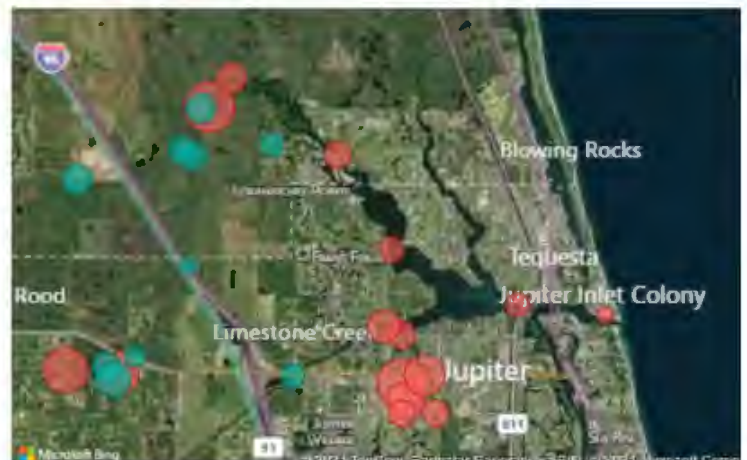
Year	Month	# Samples	Overall Score	# TN Samples	Total Nitrogen Percent Good	# TP Samples	Total Phosphorus Percent Good	# CLA Samples	Chlorophyll Percent Good	# BAC Samples	Bacteria Percent Good
2024	June	135	56%	25	68%	25	48%	25	40%	60	52%
2024	May	158	77%	30	87%	30	77%	30	50%	68	85%
2024	April	165	80%	32	97%	32	81%	32	50%	69	66%
2024	March	143	80%	25	92%	25	60%	25	44%	68	68%
2024	February	172	80%	32	91%	32	84%	32	56%	76	83%
2024	January	179	79%	33	85%	33	79%	33	61%	80	84%
2023	December	120	83%	25	100%	25	72%	25	72%	70	81%
2023	November	179	73%	33	68%	33	76%	33	48%	80	76%
2023	October	157	67%	33	68%	33	48%	33	39%	58	81%
2023	September	132	78%	25	92%	25	60%	25	52%	57	82%
2023	August	193	80%	35	97%	35	60%	35	63%	88	66%
2023	July	165	78%	32	97%	32	72%	32	44%	69	87%
2023	June	144	74%	25	92%	25	68%	25	48%	69	60%
Total		2042	76%	385	92%	360	73%	385	51%	912	81%

Spatial Distribution of Water Quality Results

In June, *chlorophyll* results met the water quality criteria at only 10 of 25 sites (40%). Most “poor” stations were in the in the brackish sites of the Northwest Fork (NWF) of the river, and in the Southwest Fork (SWF) of the river including Jones Creek. Delaware Street (DEL) in Jones Creek, had the highest chlorophyll level this month at 48 µg/L, much lower than last month’s recorded 173 µg/L. All the brackish stations in the southwest fork creeks continue to score “poor” although not as high as last month. The increased flushing associated with the rainfall and higher river flows in June may contribute to an improvement in chlorophyll concentrations. The NWF had results ranging from 3 µg/L in the Jupiter Inlet (Station 10) to 47 µg/L upstream at Hobe Grove Ditch (HGD) and scored “poor” when compared to their strict water quality standards.

Chlorophyll a (µg/L)

CHL_Score ● GOOD ● POOR



Total Phosphorus (mg/L)

TP_Score ● GOOD ● POOR



Footbridge (TPJ) was 0.14 mg/L. Delaware Street (DEL) and Indiantown Rd (Station 75) were both over 0.1 mg/L and scored "Poor". The recent high rainfall and runoff likely contributed to these higher results in June. We will continue monthly monitoring in Jones Creek for at least the next six months to further assess the trends in water quality after the Town of Jupiter's Vegetation Trimming project.

Total nitrogen scored "good" at 22 out of 25 sites (88%) tested in June. Like the chlorophyll and phosphorus above, Hobe Grove Ditch (HGD) was the poorest scoring station with the highest concentration of nitrogen at 2.5 mg/L. That result is well over the Numeric Nutrient Criteria of 1.5 mg/L for freshwaters. Two brackish creek stations were just over the water quality criteria of 1.3 mg/L for those sites with Rivers Edge (Station 107) at 1.5 mg/L and Jones Creek Upper extent (JCU) at 1.4 mg/L.

Total Nitrogen (mg/L)

TN_Score ● GOOD ● POOR



The overall *bacteria* result scored "good" at 31 out of 60 sites (52%) in June, ending the run of "good" scores we measured over the past 6 months. For Enterococci bacteria (see map bottom left of next page), the state's preferred indicator bacteria for salt and brackish waters, fifteen stations scored "poor" when compared to the water quality standard of 130 MPN/100 mL. Rivers Edge (Station 107), a shallow brackish tidal creek that flows into the Northwest Fork and is in an area of septic tanks and known to have a lot of wildlife as well, had enterococci bacteria greater than 24,000 MPN/100 mL of water. This result is 6 times higher than last month's result of 4,884

MPN/100 mL. Coincidentally, water samples taken downstream at Island Way Bridge (Station 62) throughout June averaged 334 MPN/100 mL.

Again, not surprising given the heavy rains, all ten stations tested in Jones and Sims Creeks scored “poor” in June, with results in the thousands again. Enterococci bacteria concentrations in Jones Creek were higher than in Sims Creek. The upstream Caloosahatchee Culvert (CALC) and Toney Penna Footbridge (TPJ) sites had the highest concentrations at 7,701 MPN/100 mL and 6,867 MPN/100 mL. The other “poor” scoring stations had enterococci values above 900 MPN/100 mL, with results ranging between 934 MPN/100 mL at Indiantown Road and Sims Creek (74DW) and 5,475 MPN/100 mL at Indiantown Road and Jones Creek (Station 75).

For fecal coliform bacteria (see map below right), the results in June show that there were numerous stations scoring “poor” as well. Twenty stations were over 800 MPN/100 mL criteria this month. Rivers Edge (Station 107) had fecal coliform bacteria greater than 24,000 MPN/100 mL of water. This result is more than 4 times higher than last month’s result of 5,794 MPN/100 mL. It is worth noting that weekly water samples taken downstream at Island Way Bridge (Station 62) throughout June averaged 219 MPN/100 mL.

All eleven stations tested in Jones and Sims Creeks scored “poor” in June. The Caloosahatchee Culvert (CALC) site in Jones Creek was high at 14,136 MPN/100 mL. The other “poor” scoring stations were all in the thousands.

It rained over 5 inches during the 2 days that sampling was conducted and was likely a significant factor in the mostly poor results. But this sampling event provides additional insight into the water quality during these big rain events, and helps to make our 30+ years of observations under a spectrum of conditions even more insightful and valuable.

Enterococci Bacteria - Criteria: 130 MPN/100mL

ENT_Score ● GOOD ● POOR



Fecal Coliform Bacteria - Criteria: 800 MPN/100mL

FC_Score ● GOOD ● POOR

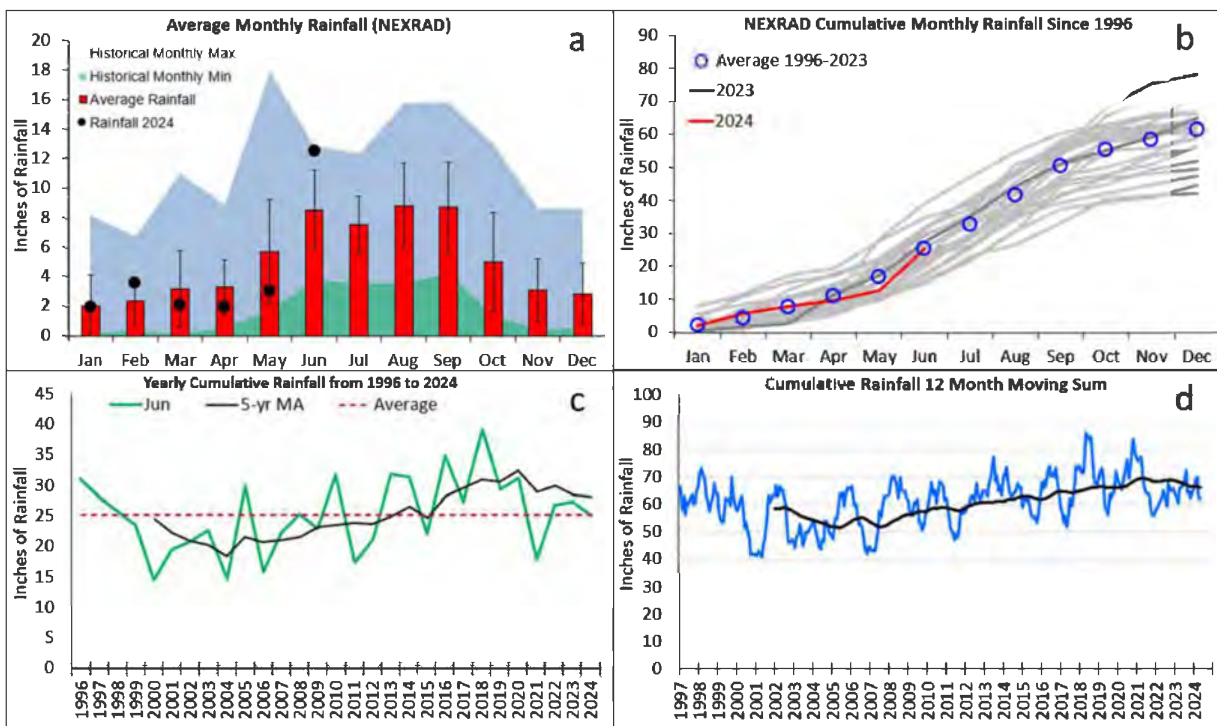


Loxahatchee River District's
Citizen Water Quality Monitoring Network
June 2024 River Grade = A

Color	Vis	Salt	pH	DO	DO%	Color	Score	Grade
1.0	A	A	B	A	A	A	83.3	A
1.0	A	A	C	A	A	A	91.7	A
1.0	C	C	A	A	A	A	80.0	B
							84.4	A
							Grade Scale	
							81.25 to 100	A
							62.5 to 81.25	B
							41.76 to 62.49	C
							25.00 to 43.75	D
							0 to 24.99	F

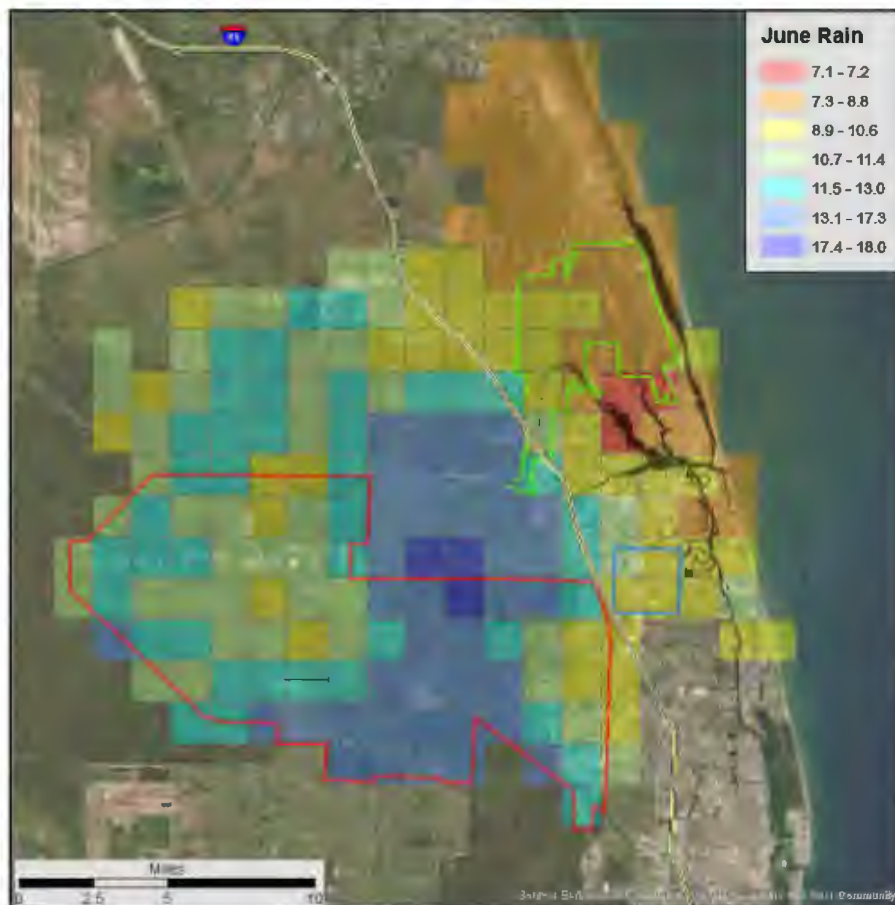
Hydrologic Monitoring

June brought some much-needed rainfall with a monthly total, averaged across the watershed of 12.5". This was about 46% higher than the historical monthly average of 8.6", and 24% higher than the 10.1" the watershed received during June 2023 (panel 'a' in figure below). This month's total is very near the monthly record of 12.8" set back in June 1999 and is only the fourth time since 1999 that monthly rainfall is above 12". Rain was detected within the watershed during 28 of the 30 days of June with the highest single day total of 3.8" falling on June 12, which accounted for 31% of the total monthly rainfall. Cumulative year-to-date rainfall through June totalled 25.3", which equals the year-to-date historical average, but is still slightly (8%) below the year-over-year cumulative total of 27.4" (panel "b" below). Yearly cumulative trends indicate that annual rainfall through June continues to return to near-average levels. This follows a roughly 10-year period of increased rainfall that peaked at 39.1" in 2018 with the 5-year moving average generally declining since then (panel "c" below). The 12-month moving sum through June was 62.9", down 6% from the 66.5" moving sum from one year ago (panel "d" below). The generalized long-term trend indicator in panel "d" below shows that total rainfall within the watershed has generally shifted upward from historical ranges since around 2012, but has leveled off over the past couple years and appears to be heading toward a decreasing trend.



Figures above display various measures of rainfall. Panel (a) shows average monthly rainfall from 1996 to 2023 (red bars; error bars indicate ± 1 sd). Black dots indicate monthly rainfall for the current year. 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 2024; dark grey line indicates rainfall during 2023. Blue circles are monthly cumulative average rainfall measured between 1996-2023. Panel (c) shows cumulative annual rainfall using NEXRAD radar-based data. Green line indicates cumulative rainfall through indicated month for each year since 1996, when the radar-based rainfall measurements began. Black line is the 5-year moving average across all years and red dashed line shows cumulative average through indicated month. Panel (d) shows cumulative 12-month moving sum of monthly rainfall (blue line) along with the five-year moving average (black line).

The spatial distribution of rainfall across the watershed during June varied greatly and ranged from 7.1" in the driest regions to 18.0" in the wettest regions (figure below). In general, the wettest regions were within, or immediately adjacent to, the C-18 canal basin near the southern half of the watershed. This region includes parts of Hungryland Slough, Loxahatchee Slough Natural Area, Pine Glades Natural Area, and portions of J.W. Corbett Wildlife Management Area. The driest regions encompassed the northeastern portion of the watershed, including Jonathan Dickinson State Park and the region surrounding the Northwest Fork and North Fork of the Loxahatchee River. Typically, as the wet season begins around mid-May, rainfall tends to shift westward away from the coast, which tends to be wetter during the dry season (November-April).



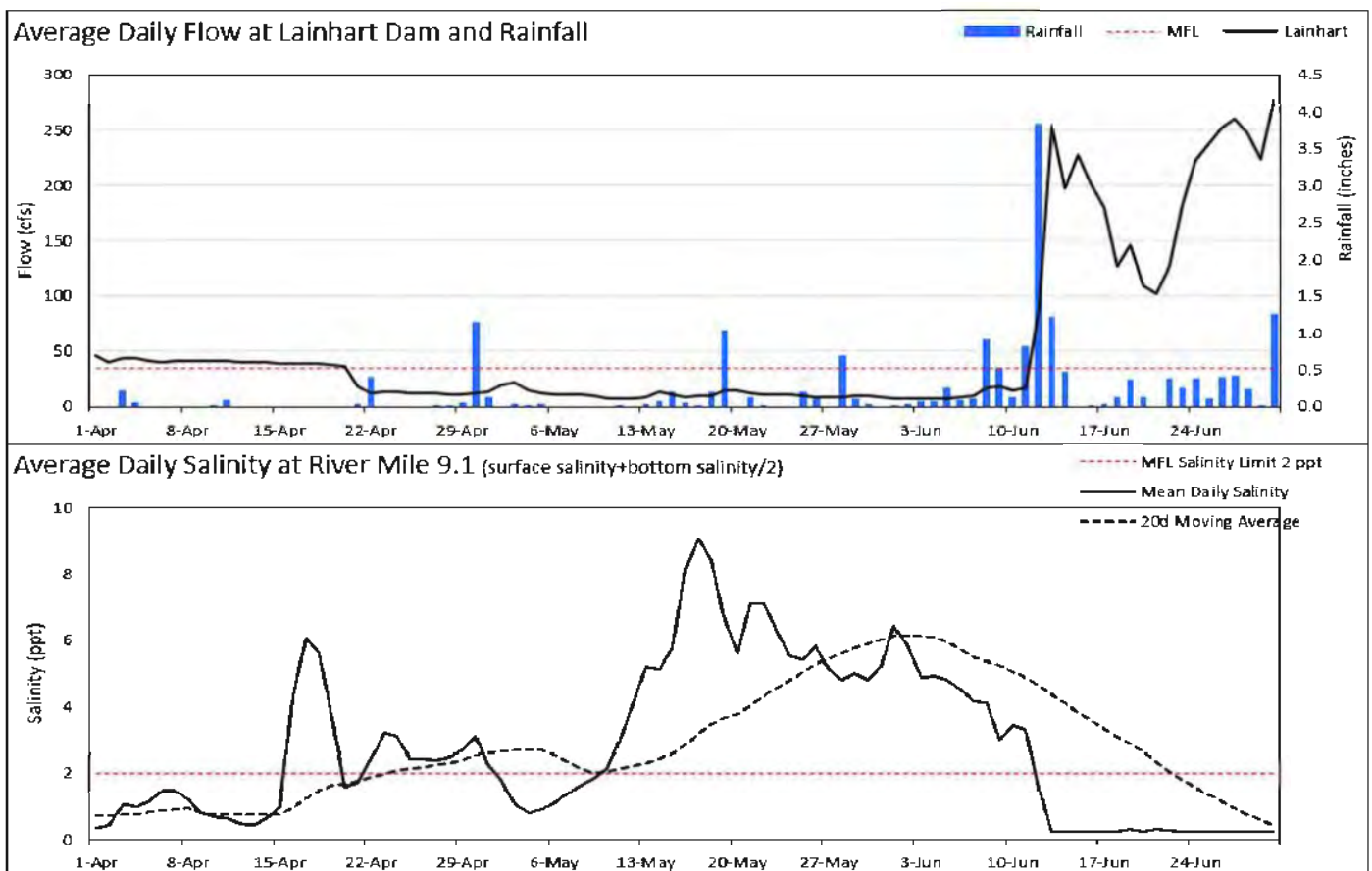
Maps showing NEXRAD rainfall distribution across the watershed during the month indicated in legend. Each pixel represents an area of 2 km x 2 km. Blue colored pixels show highest rainfall and red pixels show lowest rainfall. For reference, the red line is the C-18 basin which includes portions of J.W. Corbett WMA, Loxahatchee Slough, and Pine Glades Natural Area; green line shows

River Flows

Following a prolonged period of Minimum Flow and Level (MFL) exceedances that started early May, June rainfall was sufficient to return flows and salinity to acceptable thresholds. River flows measured at Lainhart Dam rapidly increased from 17 cfs on June 11 to 254 cfs two days later in response to the 5" of rainfall. The average flow for the month was 126 cfs, that ranged between 7 to 276 cfs. In 2023 flows averaged 148 cfs and ranged between 79 to 253 cfs. In response to the abundant rainfall in June, the S-46 flood control structure reported flow during 9 non-consecutive days in June starting on June 13 following the 5" rainfall and averaged a modest 106 cfs when flowing and a peak flow on June 30 of 288 cfs.

Increased river flows following the rains had a corresponding effect on river salinity. Since mid-April average daily salinity at River Mile 9.1 had remained mostly above the 2 ppt threshold. But following the rainfall starting June 12, average daily salinity immediately dropped to 0.2 ppt, well below the 2 ppt target threshold. By month's end, the 20-day moving average also dropped below the 2 ppt threshold.

This dry season ended with 60 days of MFL salinity exceedances, the highest number since the USGS started measuring salinity at River Mile 9.1 in 2006.



Daily rainfall and Loxahatchee River Flow measured at Lainhart Dam in the upper panel, and average daily salinity and the 20-day rolling salinity average (dashed line) measured at River Mile 9.1 (lower panel), through June 30, 2024. Data from USGS. Updated chart available at loxahatcheeriver.org/river under MFL.

Oyster Spat Monitoring

Oyster spawning and spat settlement for the 27-day period ending June 26 indicates that the spring oyster spawning season has plateaued and is returning to the summer lull in settlement activity. Oyster settlement remains highest in the Northwest Fork where spat density averaged 8,179 spat/m² with most, or about 71%, of the total settlement activity at the downstream site (figure below). This oyster spat density is about 46% higher than the period average of 5,621 spat/m², but is about 44% below the 14,535 spat/m² spat density seen last month.

The Southwest Fork also experienced a substantial decline in settlement activity during June with a 27-day period average of 1,561 spat/m². Unlike the Northwest Fork, most, or about 70%, of the settlement activity occurred at the upstream site. This latest density is about 81% less than the 7,998 spat/m² average for the period and about 75% less than the 6,141 spat/m² during the previous month. 2024 is the second consecutive year in which oyster spat settlement activity declined substantially during the summer months, marking a possible return to the bi-modal settlement pattern observed years ago (prior to 2016) when there was a sharp peak in density during the spring and fall months with a lull in settlement activity during the summer. Since about 2016, density remained largely unchanged between the spring and fall months.

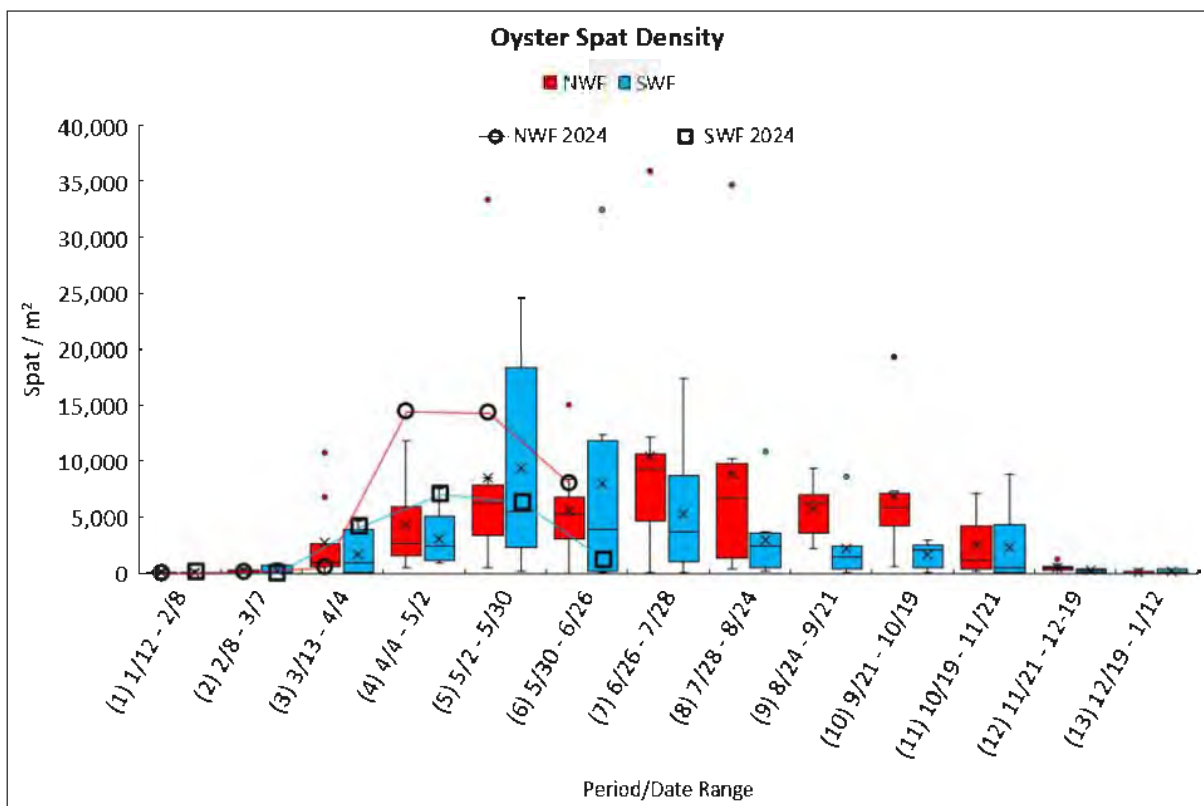


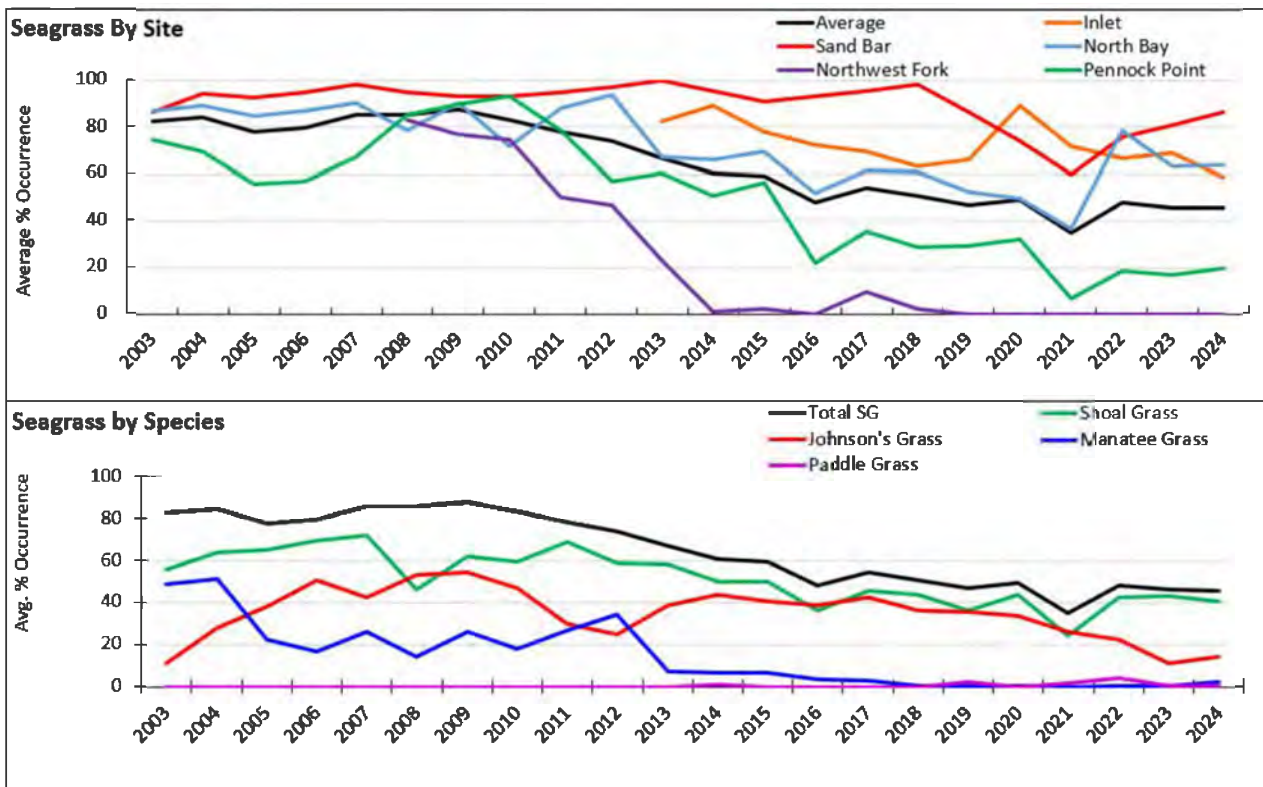
Figure: Box and whisker plot showing interquartile range (IQR) of oyster spat density (spat / m²) for each period in the Northwest Fork (red) and Southwest Fork (blue) of the Loxahatchee River between 2016-2023. The "X" indicates period mean. Superimposed on the IQR are the 2024 period means for both the Northwest Fork (circle/red line) and Southwest Fork (square/blue line).

Seagrass Monitoring

June marks the beginning of the District's 21st year of uninterrupted bimonthly monitoring of this critical habitat. After the first sampling event, the news is mostly good as the declines experienced in years past appear to have mostly stopped as four of the five sites experienced an increase in seagrass presence compared to June 2023, and have in fact been on an overall upward trajectory since 2021, the lowest percent occurrence for most monitoring sites. While the overall percent occurrence across the watershed experienced minimal decline (about 0.6%), the Pennock Point, Sand Bar, North Bay, and even the Northwest Fork sites all experienced an increase in seagrass presence compared to June 2023 (top panel of figure below).

The Pennock Point site experienced the largest proportional increase in total seagrass percent occurrence at 19.7%, an increase of nearly 20% over the 16.7% occurrence in June 2023. The Sand Bar site experienced a more modest increase of nearly 7% from 80.8% during June 2023 to 86.2% during June 2024. The North Bay site remained little changed between 2023 to 2024 with only a 0.3% increase in total seagrass occurrence. Once again, a few sprigs of seagrass were spotted within the Northwest Fork site. This time it was Johnson's Grass present within a single m² quadrat containing 8 shoots. This makes two consecutive years that this once abundant seagrass has made an appearance within the Northwest Fork site sampling area. The Inlet site, typically the most stable site, experienced a 15% decline from 68.7% occurrence in 2023 to 58.6% during June 2024, marking the lowest percent occurrence during the month of June at this site.

Shoal Grass by far makes up most of the seagrass abundance within the estuary and accounts for much of the increases experienced since 2021. However, in June 2024 this seagrass saw a modest 5% decline from an average of 42.9% in 2023 to 40.7% during this June. Johnson's Grass increased from 11.3% average occurrence in June 2023 to 14.3% occurrence during June 2024. This is the first increase during the month of June since 2017. Perhaps the most promising observation during June 2024 seagrass monitoring was that of Manatee Grass at the North Bay site. Once abundant at this site, Manatee Grass experienced a series of acute declines over the years until its presence averaged less than 1% since 2018. However, this June it averaged 3.0% at the North Bay site but remains absent at Sand Bar where it was once abundant. To characterize the recovery of this seagrass at the North Bay site, two quadrats had 189 and 156 total shoots, the highest shoot density for this seagrass since shoot counts resumed in 2016. So, we remain hopeful that this seagrass species can rebound. Paddle Grass has experienced modest declines in recent years but remained relatively unchanged at 0.6% compared to June 2023. Turtle Grass remains absent from the data, but a few sightings were reported at the North Bay site.

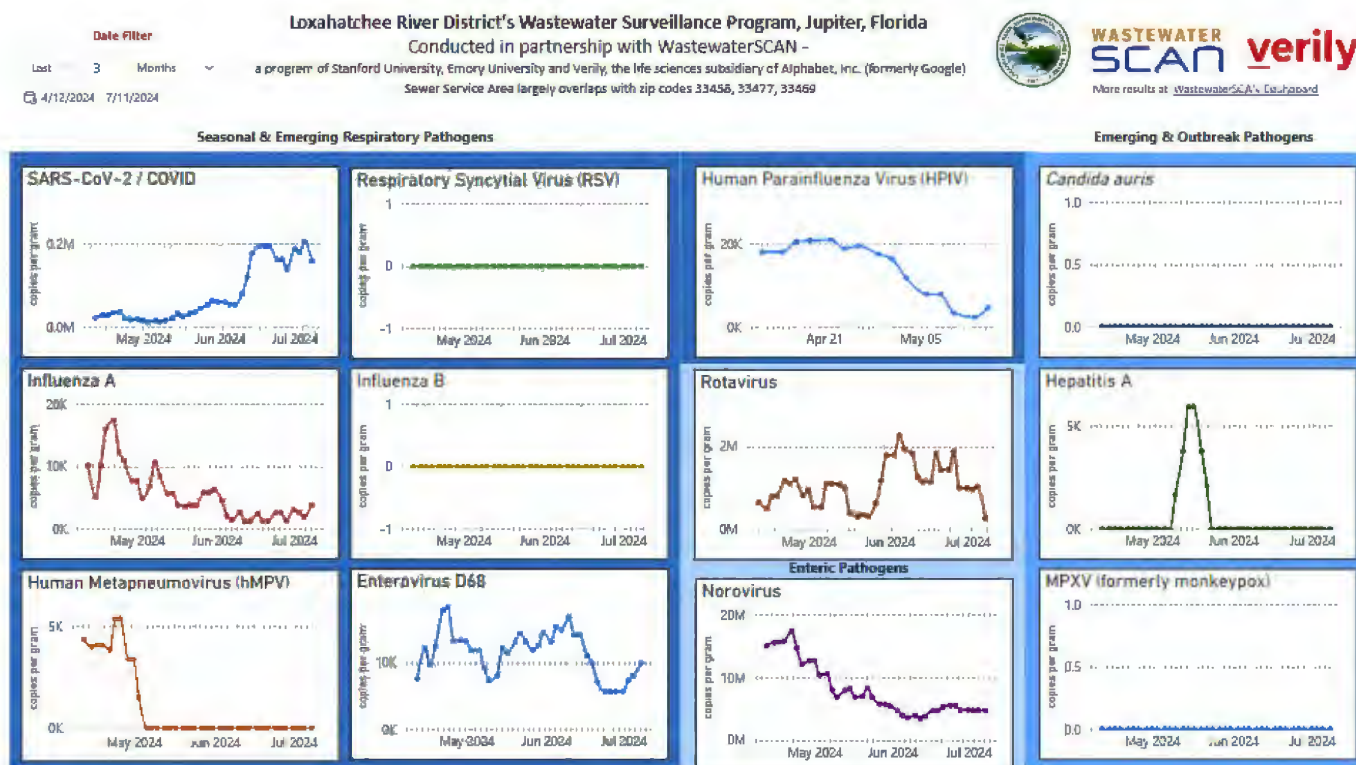


Figures above show average percent occurrence of seagrass by site (TOP) and by species (BOTTOM) for the month of June each year beginning in 2003. The North Bay, Sand Bar, and Pennock Point sites include data back to 2003 when monitoring commenced. Northwest Fork (purple) and Inlet (orange) were added to the monitoring program later as indicated.

Wastewater Surveillance

The District's Wastewater Surveillance program, monitoring 12 pathogens through the WastewaterSCAN program, showed an active month with continued high concentrations of COVID/SARS-CoV-2 as reported in numerous news outlets. Thankfully the prevalent variant causes a less severe illness for most patients. Rotavirus and Enterovirus D68 were also high, but have recently declined.

Results from the WastewaterSCAN programs testing three times per week are automatically uploaded to our website at <https://loxahatcheeriver.org/wastewater-surveillance/>.



Customer Service

Billing & Payments

Staff closed out the 2nd quarter billing by processing roughly 2,700 payments totalling nearly \$400K. We ended the quarter with 91% of the accounts current, which is approaching the typical 94 -95% satisfaction rate we had prior to switching to our new customer, billing, and payments system. For the quarter, we saw a nearly 14% (\$600K) increase in revenue compared to 1st Quarter billing, as we worked to transition many customers previously on autopay over to a new payment method.

As part of our software transition, approximately 10,000 customers previously on Autopay needed to take action to switch to our new provider. Approximately 1,100 of those customers now have an

outstanding balance despite us sending 5 mailed and emailed notices over the past 6 months. We continue to try to contact these customers to help them make new payment arrangements.

We now have over 7,500 customers setup on automatic payments. Surprisingly we have slightly *fewer* customers paying through their bank's online bill pay service compared to Q2 2023. This was a shocking outcome as we estimated that a much higher fraction of our customers that were previously on autopay would switch to online bill pay, as we suggested.

I suspected that customers preferred to use their credit cards for fraud protection and/or points programs. But, oddly enough, we recorded a notable increase in the number of eCheck payments, indicating that customers are willing to share their banking information with a third-party processor, rather than use their banks online bill pay service. This was not even close to our predictions.

Also related to the transition, we saw a 19% (~1,300) increase in the number of paper check and cash payments compared to Q2 2023, which are more time consuming to process.

On July 11, we began the distribution of our 3rd Quarter billing that is due August 14.

Information Technology (IT)

Risk Management Plan Notification Pilot System

We are on a constant quest to improve safety at the District with the proper application of technology. The IT Team participates in various committees including one that meets to discuss chlorine response. In these meetings, we were challenged to suggest solutions to provide emergency notifications to staff if a chlorine release would occur. One of the methods proposed was to deliver audio and visual notification to as much of the campus as possible.

However, before we purchased such a system, we needed to confirm that the hardware functionality matched the outcome that we were seeking. Our security camera and access control vendor kindly demonstrated a solution they offered which best matched the requirements in our response plan.

Based on this demonstration, a pilot system was ordered and subsequently implemented to test in our own environment. The system can communicate both pre-recorded and live call-outs anywhere within earshot of the connected network speakers (pictured right). For loud environments, or when audible messages are not desired, we can install a strobe device that can flash multiple colors. We look forward to moving from a pilot program to a complete system in fiscal year 2025.



Loxahatchee River Environmental Center

July 2024

River Center Summary Statistics



LRD'S ENVIRONMENTAL STEWARDSHIP DASHBOARD



	Total Visitors (incl. Visitors, Field Trips, Onsite Programs)	Total Visitors (incl. Visitors, Field Trips, Onsite Programs)	1st Time Visitors	Average Program Participation [Actual participants/Capacity of Program]	Volunteer Hours	Visitor Satisfaction	Staff Overall Program Assessment	Expenses	Revenue
Benchmark / Customer Expectation	% of Target	Total	Total	% of Capacity	Total	Rating Average [Max Rating is 5]	Rating Average [Max Rating is 9]	% within budget	% of Target
Green Level	≥ 90%	≥ 90%	≥ 90%	≥ 85%	≥ 90%	≥ 4	≥ 7	≥ 85% but ≤ 105%	≥ 90%
Yellow	≥ 75%	≥ 75%	≥ 75%	≥ 70%	≥ 75%	≥ 3	≥ 5	≥ 80%	≥ 75%
Red	<75%	<75%	<75%	<70%	<75%	<3	<5	< 80% or > 105%	<75%
2021 Baseline	62%	952	73	83%	248	4.7	7.8	92%	85%
2022 Baseline	89%	1,322	101	111%	240	4.6	7.9	91%	107%
2023 Baseline	103%	1,462	110	93%	297	4.7	7.8	83%	86%
2023 June	104%	2,600	106	103%	669	4.7	7.8	87%	83%
July	83%	2,046	89	92%	1104	4.8	7.6	79%	85%
Aug	111%	1,215	69	130%	360	4.6	7.6	76%	86%
Sept	113%	1,093	110	98%	120	5.0	7.5	86%	86%
Oct	157%	1,940	142	100%	142	4.9	7.8	73%	74%
Nov	114%	1,183	48	110%	154	5.0	8.0	92%	72%
Dec	90%	1,021	78	79%	81	4.5	8.0	100%	57%
2024 Jan	97%	1,178	84	89%	115	4.7	8.3	99%	81%
Feb	130%	1,689	185	105%	264	4.9	8.2	104%	94%
Mar	114%	1,697	128	90%	198	4.7	8.0	103%	112%
Apr	113%	1,162	93	88%	91	4.7	8.0	106%	112%
May	136%	1,153	87	117%	200	4.9	8.1	104%	106%
June	142%	2,870	127	111%	719	4.8	7.5	95%	86%
Consecutive Months at Green	11	11	13	6	2	13	13	8	0
Metric Owner	O'Neill	O'Neill	O'Neill	Duggan/Warwick	Patterson	O'Neill	O'Neill	O'Neill	O'Neill

Metric	Explanation
Revenues	We are ahead of June 2023 by \$6,000 but short of the target for this year by \$7,000. Part of this is due to a reduction in field trip fees for camp groups. We budgeted \$2,500 in revenue for field trips for the whole summer, but only had \$655 in those fees for June. Aquatic Camp is full and donations are up from last year, so we hope to continue that trend.

River Center General

Shed Installation: Jupiter Inlet Lighthouse Outstanding Natural Area

The shed, funded by a grant from BLM, that will hold outdoor equipment for River Center programs at the ONA was installed at the end of the month. The roll door and windows are scheduled to be installed in July. Once complete, we will work to get the outdoor gear and storage components necessary for that gear installed. It should be a functional storage space by the end of the summer. Staff is looking forward to having all our necessary equipment on site. It will make it easier and more efficient for us to conduct programs with the equipment close at hand.

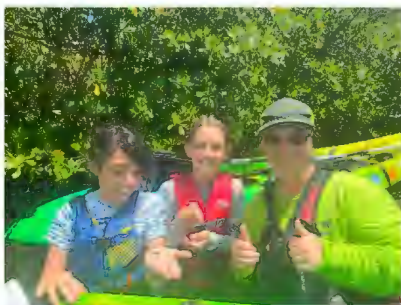


Special Programs

Aquatic Adventure Summer Camp June weeks



The summer kicked off with our Aquatic Adventure Summer Camp! This month we had 2 weeks of our 1st- 3rd camp, 1 week of 4th through 5th grade camp, and 1 week of our Middle School Snorkel Camp. Each week



is designed to immerse our campers in the outdoors by exploring local waterways in and around the Loxahatchee River. Popular stops for our campers include Blowing Rocks Preserve, Coral Cove Park, Dubois Park, and Jupiter Beach. We have also added Grassy Waters Preserve and Manatee Lagoon Discovery Center to our roster this year, which seem to be great additions for our campers. We are halfway through our camp weeks and can't wait for more fun.





Sunrise Hike: Jupiter Inlet Lighthouse Outstanding Natural Area [Saturday, June 1st]

Several people joined us early at the Outstanding Natural Area to celebrate National Trails Day on June 1st. We had a great hike with lots of families discovering new parts of the trails at the ONA. Everyone got their photo near the Lighthouse, of course. We talked about the erosion of the bluffs threatening the

Lighthouse and the habitats of the ONA. Once we got down to the water, we discovered many sea hares and the kids had fun watching them swim and learning about them.



Blooming in the Garden – Going on a Crab Hunt [Saturday, June 1st]



It was another claw-some Blooming in the Garden! This month's theme was Going on a Crab Hunt. We started by reading a story about a hermit crab who needed a new shell. We met a mangrove crab and learned all about how they survive - and some differences between them, hermit crabs, and other crustaceans. Then we headed down to the water to find some crabs of our own! We spotted lots of fiddler and mangrove crabs, as well as snails and hermit crabs. Back at the River Center, we did a touch tank with some of the animals that our crabs call

neighbors, and we ended by making several crab-tastic crafts!



Kayak Tour – Intracoastal [Wednesday, June 5th]

The River Center hosted a public kayak tour through the Lake Worth Lagoon Aquatic Preserve with a group of 14 adults and children. The Intracoastal Waterway is a beautiful and beginner friendly location that features tons of wildlife, and we spotted ospreys, a loggerhead sea turtle, a nine-armed sea star, fighting conchs, and so much more. We visited Fullerton Island and Sawfish Island which are two Palm Beach County owned spaces only accessible by small boats. Sawfish Island is the most recent restoration project completed by PBC Environmental Resource Management. This island originally was overrun with invasive and exotic plant species, but now has been restored with mangroves and other natives to help promote new growth on the island. The island also has a new paddle path that weaves through the area, which allows for a new and exciting paddling experience for our guests.



Fishing Clinic [Saturday, June 8th & Tuesday, June 25th]

This month we had the chance to offer two family fishing clinics at the River Center on Saturday, June 8th and on Tuesday, June 25th. We had children and parents spend the morning learning how to tie knots, de-hook a fish, cast and reel in a fish, regulations for Florida, and how to identify common species in our local areas. Ages ranged between 4-12 and after the fishing lessons, families went down to the docks of Burt Reynolds Park to try their luck at fishing. Kids caught pufferfish, snappers, and catfish, throughout the morning and go home with goody bags of new equipment, literature, and fish ID books. The River Center would like to thank Florida Fish and Wildlife Conservation Commission as a continued sponsor providing equipment and supplies for these fishing clinics.



AustinBlu Fishing Tournament 2024 [Saturday, June 15th]

On Saturday, June 15th the AustinBlu Foundation and the River Center hosted the 6th annual AustinBlu Foundation Land and Sea Fishing Tournament. This unique tournament offered two competitions for anglers: a harvest competition and a catch and release tournament. Over 200 anglers were registered to compete in this stacked competition. With lines in the water at 7:00 AM, anglers had until 4:00 PM to submit or weigh their catches in-order to be considered for prizes.



Anglers in the catch and release tournament used the Fish On app from Reeltime Apps to submit catches to our River Center judges. The more fish they caught, the better their chances of winning. By the closing of the event, over 1800 catches had been submitted for judging!

Contestants in the harvest competition weighed their largest catch at our AustinBlu weigh-in station. Anglers could weigh: Jack Crevalle, Snapper (any Species), Grunts (any species) and Sheepshead. The competition was steep, but Kasen Knopf managed to catch a 30-pound Jack Crevalle, which brought him into the Grand Prize position.

After fishing, the fun kept rolling with an awesome prize-packed raffle and great food trucks from Little Moir's Food Shack, Chick-fil-a, and Annie's Italian Ice. We had approximately 260 people attend the award ceremony and festivities. Participants went home with amazing swag buckets filled with items from our generous tournament sponsors. Winners of the competition were awarded cash prizes, with a grand prize of \$500!

We are so proud to work with an organization like the AustinBlu Foundation and we are looking forward to next year's tournament!



**Boys & Girls Club Mangrove Program: Jupiter Inlet Lighthouse
Outstanding Natural Area [Thursday, June 13th and June 20th]**

The River Center once again teamed up with the MANG Foundation and the Bureau of Land Management to provide a mangrove program for the Boys & Girls Club in Lake Worth. Students participated in water quality testing with the River Center, potted mangroves with MANG, and hiked through the Outstanding Natural Area, stopping to discuss the mangroves on the property specifically. We also got to see a whole pod of manatees (9 total) that morning. These students are able to attend this program through funding provided by the MANG Foundation and the Bureau of Land Management.



**Old School Science Day
[Wednesday, June 19th]**

It was a full house for our spy-tastic Old School Science Day! This is a free program that allows families to participate in a variety of science experiments, crafts, and demos. This time, we had a spy theme with invisible ink, fingerprint balloons, kaleidoscopes, decoder spinners, brain teasers, and more. Plus, we blew up bottles of soda with Mentos, which is always a hit! We'll have another Old School



Science Day on Friday, July 5th with all new experiments for our visitors to enjoy!

Little Otters – [Friday, June 21st]

Our Little Otters program allows our youngest learners to explore our waterway. We meet each time at Blowing Rocks Preserve to wade in the lagoon and search for whatever creatures we can find. On this visit, every little hand had a dip net or a sand toy, and every little explorer found something exciting to share, including urchins, sargassum crabs, and sea snails. This new program has quickly become very popular, showing how eager our local families are to get outside with their little ones!



Fishing Adventure [Saturday, June 8th & Tuesday, June 25th]

It was an epic day fishing at the Jupiter Inlet Lighthouse for our first Fishing Adventure program!! The sun was bright, the water was blue on an incoming tide, and everyone caught several fish! We had snappers, sailor's choice, grunts, and checkered puffers. The snook and the barracuda were too smart to take our hooks, but it was great to see them. We even had a visit from a passing manatee. One parent commented that she brought her kids fishing here, because she didn't know where to take them fishing. She is now going to sign them up for our Jr. Angler Tournament. She is motivated to get them out fishing all over Palm Beach County!



Kayak Tour: Indian River Lagoon: Jupiter Inlet Lighthouse Outstanding Natural Area [Wednesday, June 26th]



Our group launched from the beach at the Jupiter Inlet Lighthouse Outstanding Natural Area near Cato's bridge. It was a beautiful, sunny day at high tide with blue water. We had some adventurous participants that wanted to go deeper in the mangroves, and we were able to spot a Black-crowned Night Heron. We paddled up past Coral Cove Park and back. We talked about the importance of seagrass and how they can help to protect them.



Archery 101 [Thursday, June 27th]

The River Center hosted our Archery 101 class at our 20 Acre property. Our Archery Program provides participants with a safe and educational way to learn the skills of outdoor archery. This program motivates students to get outside and practice a skill. This program encourages them to be active outdoors, further connecting them to nature. The class teaches parts of the bows used, proper steps for shooting a bow, range and bow safety, how to be mindful about shooting outdoors, the history of archery around the Loxahatchee River, basic shooting skills, and range practice. All equipment was purchased through a grant from the Florida Fish and Wildlife Conservation Commission (FWC). Connections are made to LRD through ownership of the land as well as our conservation efforts to protect the river that is adjacent to the property.



Estuary Exploration: Seine & Dip: Blowing Rocks Preserve [Friday, June 28th]

Several families joined in for an eventful seine and dip experience at Blowing Rocks Nature Preserve. The water was clear, and everyone was able to discover new critters. Many people had never seen a Loggerhead sponge. We also found two cushion stars, and three different species of sea urchins! One of them was a long-spined sea urchin. They caught blue crabs, horse conchs, cone snails, fish and more. One of the families got very excited about pulling the seine net and was even teaching other kids how to do it.

Science with Sam Family Fun – Reptiles & Powerful Pollution [Thursday, June 20th & Saturday, June 29th]

Science with Sam taught two classes in June, one on Reptiles of the Loxahatchee and one on Powerful Pollution. Families participating in the Reptiles lesson got up close with native and common pet reptiles, learned what makes them unique, why they are beneficial to our environment and had the opportunity to touch the animals. We also had a discussion on invasive-exotic reptiles in South Florida. Students also explored around the center looking at bio facts of reptiles. Families in the Powerful Pollution class learned ways that trash and other pollutant items can end up outside or in the ocean, how these things can negatively affect wildlife and humans, and things we can do to deal with pollution problems. Families played an educational activity trying to remove trash from beaches by using clothes pins to clean beads and glitter from





buckets of sand. They also played an activity trying to remove an oil spill from the ocean by using spoons and sponged to remove vegetable oil from the surface of a bin of water. The connection was made between the importance of reducing and recycling our trash and the importance of recycling wastewater, which is done by the LRD, for the health and wellbeing of our community.

Swamp Tromp – Cypress Creek Natural Area [Saturday, June 29th]

We spent the early morning off trail in the beautiful cypress swamps at the Cypress Creek Natural Area (North). We could hear all the birds and insects in the still air. The water kept us nice and cool as we traveled the swamps and marshes. We discovered air plants, mosses, Christmas lichens, ferns, and artistic looking cypress knees. We also saw herons, egrets, lubber grasshoppers, and lots of invasive apple snails. We even had a lubber join us for part of our travels. We enjoyed seeing the Lubber Grasshoppers!



Volunteer of the Month

Our June Volunteer of the month is Elijah Cudak. Elijah has been a volunteer with



The River Center since 2021. He came back to volunteer this summer and has jumped in to help in many areas. Not only does he help with the daily tasks around the center but also participated in animal care training and is taking wonderful care of all the amazing animals at The River Center. He also saw a need with running the touch tank during a special event and made sure to help. Elijah is always so helpful and loves to help whenever he can. He is always greeting guests and loves to show them the different animals in the touch tank. Elijah will be starting school in the Fall but plans to help when he is home for holidays. We can always count on Elijah to step in where needed and get the job done! Thank you, Elijah, for all that you do to help at The River Center! We appreciate you.

UPCOMING EVENTS

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

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

July 19, 5:30 p.m. – 7:00 p.m.: Sunset Kayak [Cypress Creek South]: Join us for our public kayak tour on Friday, June 19th from 5:30 pm – 7:30 pm. Launching from Cypress Creek South, guests will paddle along through a beautiful cypress swamp. Keep your eyes sharp, as this is a great area for birding. Don't miss out on this awesome excursion! All equipment is provided. Interested participants should bring water, water shoes and anything that will make them comfortable in nature. Our kayaks are tandem kayaks, or double seated, if you do not register with a partner, you will be assigned one. Registration is required. Space is limited. Level of Difficulty: Easy- all paddle levels are welcome.

July 20, 8:00 a.m. – 4:00 p.m.: Boat America Class [Boating Safely]: Cost: \$10 to register; refunded when class is completed. The River Center continues to collaborate with the US Coast Guard Auxiliary "Flotilla 52" to provide a series of Boating Safely Classes targeted specifically to young boaters in our community. These classes are provided through a generous sponsorship by the AustinBlu Foundation, a not-for-profit dedicated to raising awareness and promoting educational programs to improve boater safety. There is no cost for this class, however there is a deposit required to reserve a seat. The deposit of \$10 will be refunded in full to all students who complete the class. Recommended for children 12 years and up, but all ages are welcome.

July 20, 9:30 a.m. – 11:30 a.m.: Fishing Adventure [Cypress Creek South]: Join us for our new summer fishing program! We'll be set up at Cypress Creek South. This off-site program is an exciting way to explore the watershed accompanied by River Center staff and fishing poles. Poles and bait will be provided, or you can bring your own gear. Parents are encouraged to accompany their children and participate. Everyone should bring water, sunscreen, hats, and sunglasses. Cost is \$10. Please register!

July 23, 10:00 a.m. – 12:00 p.m.: Fishing Adventure [Jupiter Inlet Lighthouse ONA]: Join us for our new summer fishing program! We'll be set up at Jupiter Inlet Lighthouse Outstanding Natural Area. This off-site program is designed for young anglers. Poles and bait will be provided, or you can bring your own gear. Parents are encouraged to accompany their children and participate. Everyone should bring water, sunscreen, hats, and sunglasses. Cost is \$10. Please register!

July 24, 10:00 – 11:00 a.m.: Little Otters [Blowing Rocks Preserve]: Beat the summer heat and get in the water with your little one! Join us once a month throughout the summer at the Nature Conservancy's Blowing Rocks Preserve (574 S Beach Rd, Hobe Sound, FL 33455). We will meet outside the visitors' center (west side). The River Center will provide dip nets and sand toys. We'll search for aquatic critters while enjoying the natural beauty around us. Adults and children should come prepared to be in the water for an hour. This includes closed toe water shoes, sunscreen, hats, and water bottles. Adults will be responsible for their children during this program. Limited to 15 children (+ their accompanying adults). Siblings of all ages are welcome, just include them in your registration! This program is free of charge. Please RSVP to attend.

July 27, 5:30 p.m. – 7:00 p.m.: Sunset Kayak [Pine Glades Natural Area]: Join us for our public kayak tour on Friday, June 19th from 5:30 pm – 7:30 pm. Launching from Pine Glades Natural Area, guests will paddle through a beautiful freshwater marsh. Keep your eyes sharp, as this is a great area for birding (bring binoculars if you are so inclined). All kayak equipment is provided. Interested participants should bring water, water shoes and anything that will make them comfortable in nature. Our kayaks have two seats, if you do not register with a partner, you will be assigned one. Registration is required. Space is limited. Level of Difficulty: Easy- all paddle levels are welcome.

July 30, 10:00 a.m. – 12:00 p.m.: Estuary Exploration – Seine & Dip Netting [Blowing Rocks Preserve]: Join the River Center in a day of estuary exploration at our Family Seine and Dip Netting Experience!

Activities will include exploring our local waterways searching for urchins, conchs and fish! Please make sure to bring sunscreen, water shoes, and plenty of water! Please RSVP to attend! Check-in for this event will be at Blowing Rocks Preserve.

August 2, 6:00 – 8:00 p.m.: Jr. Angler Fish Fry Awards Celebration: After a month of fishing, anglers can celebrate their accomplishments, enjoy eating fried fish from Fishing Headquarters and find out who pulled in the most catches this summer. Everyone must RSVP to attend.

August 3, 10:00 – 11:30 a.m.: Blooming in the Garden [Frog on a Log!]: Join the River Center for our Bloomin' in the Garden program, designed for children ages 3-6. This month's theme is Frog on a Log! The program will start at 10:00am with story time and a nature-themed craft. We will then move to our garden for exploration and hands-on fun. When it's time to go home, children will receive seed to take home to start their own garden! Limited to 15 children (+ their accompanying adults). This activity is outside, so dress comfortably and be ready to possibly get a little messy. All equipment will be provided, and this program is free of charge. Donations are always welcome.

August 6, 9:00 a.m. – 2:00 p.m.: Adult Summer Camp: Have you missed the fun and adventure of summer camp? Have you been secretly jealous sending your kids off to camp? Well, now is your chance to join in on camp fun at the River Center's Adult Summer Camp Day! On Tuesday, August 6th the River Center is hosting our first ever camp day for adults! Activities will include kayaking, snorkeling, and more. You must register to attend, space is limited. Must be 18 years or older to attend. Activity Level: Moderate. Activities will include swimming, snorkeling, kayaking, getting in and out of kayaks, and extended periods of time in the sun. Participants should bring a refillable water bottle, a packed lunch, sunscreen, clothes that can get wet, water shoes, and a dry change of clothes.

August 10, 8:00 a.m. – 4:00 p.m.: Boat America Class [Boating Safely]: Cost: \$10 to register; refunded when class is completed. 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, but all ages are welcome.

August 13, 9:30 a.m. – 12:30 p.m.: Kayak Tour [Lainhart Dam]: Join the River Center for our Public Kayak Tour from Lainhart Dam. Paddle along through the freshwater swamp on our naturalist led tour for great views of local wildlife. The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited! All equipment is provided. Interested participants should bring water, water shoes and anything that will make them comfortable in nature. Kayak Difficulty Level: Moderate to advance paddlers. This tour consists of narrow waterways, heavy vegetation, and strong currents. We do not recommend this tour for beginners.

August 17, 1:00 – 2:00 p.m.: Intro to Volunteering [New Volunteer Workshop]: Do you have a passion for the environment? Do you enjoy interacting and educating the public? The River Center is looking for enthusiastic and personable volunteers to join our River Center team! Individuals 14+ are invited to attend the next Intro to Volunteering workshop from 1:00 PM – 2:00 PM. For questions or application information please contact our Volunteer Coordinator Rebecca Patterson at 561-339-3107 or Volunteer@Lrecd.org

August 21, 10:00 – 11:00 a.m.: Little Otters [Blowing Rocks Preserve]: Beat the summer heat and get in the water with your little one! Join us once a month throughout the summer at the Nature Conservancy's Blowing Rocks Preserve (574 S Beach Rd, Hobe Sound, FL 33455). We will meet outside the visitors' center on the lagoon side (west side). The River Center will provide dip nets and sand toys. We'll search for urchins, conchs, and crabs while enjoying the natural beauty around us. Adults and children should come prepared to be in the water for an hour. This includes closed toe water shoes, sunscreen, hats, and water bottles. Adults will be responsible for their children during this program. Limited to 15 children (+ their accompanying adults). Siblings of all ages are welcome, just include them in your registration! This program is free of charge. Please RSVP to attend.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: D. Albrey Arrington, Ph.D., Executive Director
From: Ed Horchar Safety Officer
Date: July 10, 2024
Subject: District Safety Report for June 2024

Safety Metrics: June 2024

OSHA recordable injuries: One

Lost time injuries: Zero

Actual TRIR: 2.5 [Goal < 1.5]

TRIR = Total Recordable Incident Rate

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.*

OSHA Recordable Incidents/MVA's: The LRD experienced zero (0) OSHA Recordable Injuries in June. The District has a rolling twelve-month Total Recordable Incident Rate (TRIR) of **2.5**. This is greater than the District goal of 1.5. District employees will need to work six consecutive, injury-free months before the rolling twelve-month TRIR will be reduced.

The District did not experience a Motor Vehicle Accident (MVA) in June. With one MVA in the last 12-month period, the MVA incident rate is at 1.1. Below the LRD MVA goal of 2.2. If District employees work the next three months without a MVA, our MVA rate will fall to zero.

Sustainment: A more precise method of tracking Job Hazard Assessment (JHA) activity in the Power BI data has led to an approximate 22% increase in the volume of JHA's in June. JHA activity levels shot up to a total of 1,987 in June, surpassing Mays output level by 436 and greater than the 12-month rolling average of 1,367 per month. Current Power BI data now captures the generation of multiple JHA's on one open work order. The Wild Pine Lab and River Center continue to utilize the JHAs and are included in the overall data. The following is an assessment of Junes JHAs performed per employee in each department:

Reuse:	46 JHA / employee	Construction:	12 JHA / employee
Operations:	60 JHA / employee	Inspection:	39 JHA / employee
Collections:	52 JHA / employee	Wild Pine Lab	5 JHA / employee
Maintenance:	35 JHA / employee	River Center	4 JHA / employee

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

JHA and Work Orders: In June approximately 99% of the 1972 applicable Work Orders (WO) included a JHA. This represents nineteen (19) months in a row in which the District expectation of 95% was exceeded. The following is a District comparison for the percentage of June EAM applicable Work Orders generated for which an electronic JHA was completed:

Reuse:	100 %	Construction:	100 %
Operations:	100 %	Inspection:	97 %
Collections:	99 %	Wild Pine Lab	0 Electronic JHA's
Maintenance:	100 %	River Center	0 Electronic JHA

Lockout / tagout (LOTO): LOTO is currently being tracked in similar fashion to the JHA's. June data indicated 244 machine specific LOTO forms were completed by District employees. The LOTO form is what an "Authorized" LOTO employee must complete prior to placing the machine / system in a locked-out condition. Current data indicates the LOTO compliance rate to be at 71% of applicable work orders. The data also suggests this low number is primarily a training issue as work order task plans are not being accurately completed. As we continue to track the LOTO to work order compliance, the expectation is for this number to increase. The District will not be satisfied until the LOTO percentage is sustained at 100%.

Near Miss Reporting: There were 9 Near Miss reports initiated in June which is equal to the 12-month rolling average. The Construction Department submitted five near miss reports, Collections Department submitted two near miss reports, Engineering submitted one and Maintenance submitted one near miss reports in June. Six unsafe conditions were reported involving vehicle maintenance issues on a District vehicle, heat stress, a tripping hazard, a road hazard obstruction, and a potential falling object. A Safety Process Improvements involving the use of a hitch mounted confined space rescue davit was reported. Two near miss involving vehicle tire changing incident and a trip risk associated with missing flooring were reported. Upon receiving the Near Miss report, the Safety Officer collaborates with the report initiator and department Director/Manager to better understand the reported hazard condition and to determine the best corrective action. When warranted, a Work Order is generated that defines the proposed corrective action and person responsible to complete the corrective action. The work orders are tracked until closed, and the status can be viewed on the Safety Intranet page by clicking on the "Near Miss Submission List" under Forms. All District employees should continue to report potential safety issues, including unsafe or unhealthy conditions, potential pollution sources or events, and suggestions to improve safety processes, via this Near Miss Reporting System.

Training: The District safety training in June included fork truck and aerial boom certification for eight District employees conducted by the Safety Council of Palm Beach County. Classroom training was conducted to District employees for Confined Space entrant and attendant, and Lock-out / Tag-out Authorized and Affected employees by the Districts Safety Officer. During the Lock-out / Tag-out classroom training employees were issued locks and tags upon a passing

grade. Overall training completion for June was at 98% which is higher than the District expectations. A shout out to Jason Stanely, a District Plant Field Electrician received his CDL Class B Drivers License in June.

Safety Committee: The District Safety Committee continues to work on enhancing the Emergency Response Plan and a Draft SOP has been prepared and being reviewed by the Committee. The SOP includes evacuation training and conducting evacuation drills with the coordination of the Safety Committee members. In June the IT Department installed portions of an intercom system in the Operations Administration Building for testing purposes. Interior and outdoor speakers were successfully tested along with visual indicators (for high noise areas). It is anticipated the system will be installed for the entire plant site and applicable buildings during the next fiscal year. The emergency notification system will be instrumental in communicating potential emergency events such as a chlorine release and severe weather warnings. Working safely at the District IS the standard, and the Safety Committee is one example of how District employees are working together to better the daily safety of all employees. Let's continue in this direction and demonstrate that dedication to work smart and safely. Please visit with any questions or ideas you may have. And do not forget to utilize the near miss reporting system. Let's help each other stay safe and reach beyond our goals.



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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: Governing Board
FROM: Administration Staff
DATE: July 12, 2024
SUBJECT: Consultant Payments

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

Consultant	Prior Month	Fiscal YTD
Attorneys	\$ 7,166.53	\$ 108,470.53
Baxter & Woodman	\$ 25,173.71	\$ 212,096.94
Holtz	\$ 37,896.87	\$ 297,383.08
KCI	\$ 13,256.70	\$ 57,024.40
Kimley-Horn & Associates, Inc.	—	\$ 18,312.00
Mock, Roos & Associates	\$ 1,622.50	\$ 8,969.00

Should you have any questions regarding these items, please contact Kara Fraraccio concerning the attorney invoices, and Kris Dean concerning the engineer invoices.

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Future Business

General:

- Required Ethics Training for Board Members
(see <https://www.fasd.com/ethics-for-special-districts>)

Future Contracts:

- Chapter 31-10 Rates, Fees, and Charges (Types of Use/Equivalent Connections; Harbor Road South Phase 1 Sub-Regional Line Charge; and Island Way Phase 1 Sub-Regional Line Charge)
- County Line Road Bridge IQ Main Relocation – Award Construction Contract
- Evoqua Water Technologies Amendment to Contract - Master Lift Station – Odor Control
- Lift Station 050 Emergency Generator and Automatic Transfer Switch – Award Construction Contract
- Loxahatchee River Subaqueous Force Main Replacement – Award Construction Contract
- Maintenance Facility – Professional Engineering Services – Approval of Qualified Firms
- Warehouse Facility – Professional Engineering Services – Approval of Qualified Firms
- Vulnerability Assessment - Professional Engineering Services - Approval of Qualified Firms

