

Lower Cape Fear Water & Sewer Authority  
 Regular Board Meeting Minutes  
 December 13<sup>th</sup>, 2021

Chairman Leonard called to order the Authority meeting scheduled on December 13, 2021, at 9:00 a.m. and welcomed everyone present. The meeting was held at the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina. Director Milliken gave the invocation.

**Roll Call by Chairman Leonard:**

**Present:** Norwood Blanchard, Patrick DeVane, Wayne Edge, Harry Knight, Al Leonard, Al Milliken, Jackie Newton, Phil Norris, Charlie Rivenbark, Chris Smith, Bill Sue, Frank Williams, and Rob Zapple

**Present by Virtual Attendance:** Bill Saffo

**Absent:** None

**Staff:** Tim H. Holloman, Executive Director; Matthew Nichols, General Counsel; Tony Boahn P.E., McKim & Creed, Sam Shore, COG, and Danielle Hertzog, Financial Administration Assistant

**Guests Present:** Matt Hourihan, Cape Fear Public Utility Authority Assistant Operations Director; Tom Hendrick, Pender County Utilities; Sean Kenyon P.E., McKim & Creed; John Nichols, Brunswick County Public Utilities Director; Ken Waldrop Cape Fear Public Utility Authority Executive Director; John Malone, Cape Fear Public Utility Authority Water Resources Manager; Glenn Walker, Brunswick County Water Resources Manager; and Jess Powell P.E., McKim & Creed

**Guests Virtual Attendance:** Heidi Cox, NC DEQ Regional Engineering Supervisor, Division of Water Infrastructure and Kenny Keel Pender County Public Utilities Director

**PLEDGE OF ALLEGIANCE:** Chairman Leonard led the Pledge of Allegiance.

**SPECIAL PRESENTATION:** Chairman Leonard presented Director Milliken with a plaque to show our appreciation for his time of service on the board. Director Milliken has been on the board since 2005 and was our chairman in the years 2008 and 2020.

**APPROVAL OF CONSENT AGENDA**

**C1 - Minutes of Regular Board Meeting November 8, 2021**

**C2 - Kings Bluff Monthly Operations and Maintenance Reports**

**C3 - Bladen Bluffs Monthly Operations and Maintenance Reports**

**C4 - Line-Item Adjustment for November 30, 2021**

**C5 - Approval of the Authority's 2022 Regular Scheduled Meetings Calendar**

**Motion:** Director Williams **MOVED**; seconded by Director Blanchard, approval of the Consent Agenda Items as presented. Upon vote, the **MOTION CARRIED UNANIMOUSLY**.

	For	Against	Abstained	Absent
Norwood Blanchard	X			
Wayne Edge	X			
Patrick DeVane	X			
Harry Knight	X			
Al Leonard	X			
Jackie Newton	X			
Phil Norris	X			
Al Milliken	X			
Charlie Rivenbark	X			
Bill Saffo	X			
Chris Smith	X			
Bill Sue	X			
Frank Williams	X			
Rob Zapple	X			
	14	0	0	0

## NEW BUSINESS

### NB1 - Election of Authority's Board of Directors Officers for the Term of January 1, 2022, until December 31, 2022

Chairman Leonard presented the following slate of officers for board consideration for the term of January 1, 2022, to December 31, 2022. Per Bylaws of the Authority (Article III. - Officers 1.), the chairmanship shall rotate among the political subdivisions, with the City of Wilmington being next in the rotation schedule.

Chairman: Charlie Rivenbark (City of Wilmington)  
Vice-Chairman: Norwood Blanchard (Pender County)  
Secretary: Harry Knight (New Hanover County)  
Treasurer: Patrick DeVane (Bladen County)  
Assistant Treasurer: Phil Norris (Brunswick County)

**Motion:** Director Williams **MOVED**; seconded by Director Edge, approval of the Consent Agenda Items as presented. Upon vote, the **MOTION CARRIED UNANIMOUSLY**.

	For	Against	Abstained	Absent
Norwood Blanchard	X			
Wayne Edge	X			
Patrick DeVane	X			
Harry Knight	X			
Al Leonard	X			
Jackie Newton	X			
Phil Norris	X			
Al Milliken	X			
Charlie Rivenbark	X			
Bill Saffo	X			
Chris Smith	X			
Bill Sue	X			
Frank Williams	X			
Rob Zapple	X			
	14	0	0	0

## ENGINEER'S COMMENTS

Tony Boahn advised no change in the contracted amount for the 54-inch pipeline project. The contractors paused work while the bypass was installed. Since that is completed, they are back to work on the 54-inch pipeline. The contractors are completing the interconnections between the parallel main and the 48" main. Hopefully, the interconnections will be completed by the end of February or the first of March 2022 instead of the original date of May 2022. Two change orders are under discussion and not finalized yet, but one is pausing the contracts for the bypass and a valve leaking through. Executive Director Tim Holloman advised the line dedication for the 54" pipeline will be Friday, May 20, 2022, at 10:00 a.m.

Tony Boahn advised the leak in the 48" pipeline is located at the southwest side of the Cape Fear River just behind the former DAK site. In this location, the pipeline transitions from prestressed concrete cylinder pipe to ductile iron pipe (DIP). Therefore, as soon as the leak occurred, they knew a bypass would be installed. Two-line stop tapping assemblies around the leak were installed. Then a 36" HDPE high-density polyethylene bypass pipeline around the leak was installed to divert the flow around the break and dry the area to make the repairs. Director Rivenbark wanted to know what the engineering was thinking about the time of installation to use the prestress concrete cylinder pipe and transition to DIP could have been. Tony advised the only reason he could come up with would be putting in the prestressed concrete cylinder pipe may have been difficult due to the nature of the joint and how heavy it is. Mr. Boahn advised they were more prepared for the leak compared to 2016 since they had the HDPE bypass on hand. Along with other sleeves, adapters, and tools needs to help the process go forward faster. Director Zapple wanted to know how we know the pipeline in the section does not have a similar issue and could it have been an issue at installation. Tony Boahn advised that the pipeline could have similar problems and installation issues. Mr. Boahn related that the joint separation had a root mass and roots wrapped around the pipe. There is a cut stump to the right side of the joint separation. The decomposing roots took away the lateral support from the pipe. Some of the

issues observed at the leak were extremely poor and wet soils, select backfill not present, pipe installed with little or no bedding stone, excessive root mat and stumps left in/around the trench, and settlement and misalignment of pipe evident from videos. The following steps are to have the pipe cleaned and videoed between line stops, four joints of restrained joint pipe ordered, and evaluate remaining pipe from videos. Director Zapple wanted to know if Tony thought about a parallel pipeline in this area. Tony Boahn advised yes; the best thing you could do is parallel the pipeline. He announced we put the 54" pipeline for capacity and provide an additional redundancy level. Tony reported that if this had happened under the river, it would have been months to get this repaired and catastrophic. He advised this is not a pipe issue. This is a surroundings soil issue. When the pipe goes into the ground, you have foundation stone, bedding stone, and backfill because the pipe needs that system to bear against, and if that system fails, the pipe will move. Director Knight wanted to know if the pipeline in the section could be inspected and if technology changed that much since the original pipeline was installed. Tony advised you must take the line out of service to inspect it, and they would not have been able to drill the pipe back in the 90s because the technology and equipment were not to that level it is now. Director DeVane wanted to know what the estimated cost for the leak repair is at this time and how LCFWASA plans to pay for the repairs. Executive Director Tim Holloman advised he would estimate about 1.75 to 2 million at this time. The CFPUA, Brunswick County, Pender County, and LCFWASA Directors have been in discussions and will continue talks until the final number comes in. Once they have the absolute numbers, a recommendation will be given to the board. Currently, Brunswick County is bearing the repair cost, and at some point, we will have to make sure that is addressed.

Motion: Director Norris MOVED; seconded by Director Newton, motion to have engineering consultants to review and present the board with an evaluation for strategic parallelism or full parallelism. Upon vote, the MOTION CARRIED UNANIMOUSLY.

	For	Against	Abstained	Absent
Norwood Blanchard	X			
Wayne Edge	X			
Patrick DeVane	X			
Harry Knight	X			
Al Leonard	X			
Jackie Newton	X			
Phil Norris	X			
Al Milliken	X			
Charlie Rivenbark	X			
Bill Saffo	X			
Chris Smith	X			
Bill Sue	X			
Frank Williams	X			
Rob Zapple	X			
	14	0	0	0

**ATTORNEY COMMENTS**

Mr. Nichols advised the manufactured home on Port Royal Road has been relocated outside of the LCFWASA easement.

**EXECUTIVE DIRECTOR REPORT**

**EDR1 – Comments on Customers’ Water Usage and Raw Water Revenue for Fiscal Year to Date Ending November 30, 2021**

Executive Director Holloman reported that during the month of November 2021, Brunswick County was above projections. CFPUA and Pender County were below projections due to the leak.

**DIRECTOR’S COMMENTS AND/OR FUTURE AGENDA ITEMS**

No comment

**PUBLIC COMMENT**

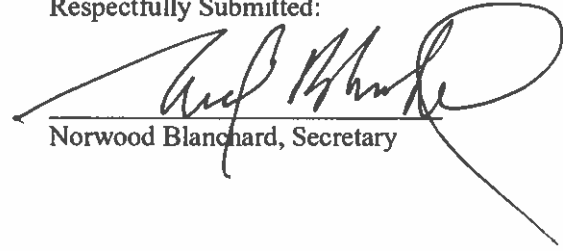
No comment

---

**ADJOURNMENT**

There being no further business, Chairman Leonard adjourned the meeting at 9:58 a.m.

Respectfully Submitted:



Norwood Blanchard, Secretary