

**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**8:15 a.m. – Personnel Committee Meeting**  
**May 11, 2026**

**MEETING CALL TO ORDER:** Chairman Phillips

**DISCUSSION:** Salary Survey 2024-2025

**ACTION/DIRECTION:** Recommend for Board Approval

**FUTURE MEETINGS:** TBD

**ADJOURNMENT**



**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**8:30 a.m. – Finance Committee Meeting**  
**May 11, 2026**

**MEETING CALL TO ORDER:** Chairman Phillips

**PRESENTATION:** PowerPoint for Fiscal 2026-2027 Budget

**DISCUSSION:** Directors' Comments and Questions

**ACTION/DIRECTION:** Recommend to the full Board for Consideration at the Regular Meeting to follow and for approval at June 8<sup>th</sup>, 2026, Regular Board Meeting.

**FUTURE MEETINGS:** TBD

**ADJOURNMENT**



**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**9:00 a.m. – Regular Monthly Board Meeting**  
**May 11, 2026**

**MEETING CALL TO ORDER:** Chairman Phillips

**INVOCATION**

**PLEDGE OF ALLEGIANCE**

**APPROVAL OF CONSENT AGENDA**

- C1** – Minutes of April 14, 2025, Regular Board Meeting
- C2** – Kings Bluff Monthly Operations and Maintenance Report
- C3** – Bladen Bluffs Monthly Operations and Maintenance Reports
- C4** – Retainer for General Counsel Services Agreement: Matthew Nichols, Attorney at Law in the amount of \$225 per hour for FY 2026-2027.
- C5 A** – Resolution of Lower Cape Fear Water & Sewer Authority Exempting Lower Cape Fear Water & Sewer Authority from the Provisions of N.C.G.S. §143-64.31 for C5 B
- C5 B** – Retainer for Engineering Services Agreement: McKim & Creed in the amount of \$38,400 for Fiscal Year 2025-2026
- C6** – Resolution Approving Memorandum of Understanding Regarding Interlocal Agreement for Phased 10-Mile Parallel Raw Water Line Project
- C7** – Resolution Opposing the Expansion of the Chemours Fayetteville Works

**PUBLIC HEARING: PRESENTED DRAFT BUDGET FOR FISCAL YEAR 2026-2027 BUDGET AND BUDGET ORDINANCE**

**A. Public Hearing:**

- Motion to open Public Hearing in accordance with North Carolina General Statute Section 159-12 for the review of the Fiscal Year 2026-2027 Budget and Budget Ordinance for Consideration of Approval on June 8<sup>th</sup>, 2026
- Motion to close Public Hearing

**NEW BUSINESS**

**NB1** – Finance Committee Comments and Review of Draft Recommended Budget for the Fiscal Year 2026-2027 (Finance Committee Chairman Scott Phillips)

**PRESENTATION:** Raw Water Main Update by Christopher “CJ” Cahoy with Garney Construction

**ENGINEER’S COMMENTS**

**ATTORNEY COMMENTS**

**EXECUTIVE DIRECTOR REPORT**

- EDR1** – Comments on Customers’ Water Usage and Raw Water Revenue for Fiscal Year to Date Ending April 30, 2026
- EDR2** – Operating Budget Status, Ending March 31, 2026
- EDR3** – Summary of Activities

## DIRECTOR'S COMMENTS AND/OR FUTURE AGENDA ITEMS

## PUBLIC COMMENT

## ADJOURNMENT

*The next board meeting of the Lower Cape Fear Water & Sewer Authority is scheduled for Monday, June 8<sup>th</sup> at 9:00 a.m. in the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.*



## **AGENDA ITEM**

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: May 11, 2026

Re: Consent Agenda

Reviewed and approved as to form: MATTHEW A. NICHOLS, AUTHORITY ATTORNEY

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Please find enclosed the items of a routine nature for consideration and approval by the Board of Directors with one motion. However, that does not preclude a board member from selecting an item to be voted on individually, if so desired.

**C1** – Minutes of April 11, 2026, Regular Board Meeting

**C2** – Kings Bluff Monthly Operations and Maintenance Report

**C3** – Bladen Bluffs Monthly Operations and Maintenance Report

**C4** – Retainer for General Counsel Services Agreement: Matthew Nichols, Attorney at Law in the amount of \$225 per hour for FY 2026-2027.

**C5 A** – Resolution of Lower Cape Fear Water & Sewer Authority Exempting Lower Cape Fear Water & Sewer Authority from the Provisions of N.C.G.S. §143-64.31 for C7 B.

**C5 B** – Retainer for Engineering Services Agreement: McKim & Creed in the amount of \$38,400 for Fiscal Year 2026-2027.

**C6** – Resolution Approving Memorandum of Understanding Regarding Interlocal Agreement for Phased 10-Mile Parallel Raw Water Line Project

**C7** – Resolution Opposing the Expansion of the Chemours Fayetteville Works Facility

**Action Requested:** Motion to approve/disapprove Consent Agenda.

Lower Cape Fear Water & Sewer Authority  
Regular Board Meeting Minutes  
April 13<sup>th</sup>, 2026

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Chairman Phillips called to order the Authority meeting scheduled on April 13<sup>th</sup>, 2026, 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 Edge gave the invocation.

**Roll Call by Chairman Phillips:**

**Present:** Damien Buchanan, Chakema Clinton-Quintana, Wayne Edge, Jerry Groves, Harry Knight, Al Leonard, Scott Phillips, Chris Smith, Bill Sue, Frank Williams, and Rob Zapple

**Present by Virtual Attendance:** Patrick DeVane, Bill Saffo, and Phil Tripp

**Absent:** None

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

**Guests Present:** Jorgen Holmberg, Computer Warriors; David Carson, Brunswick County Kings Bluff Water Resource Supervisor; David Fournier, HDR Construction Services; James Proctor, Pender County Interim Utilities Director; Russell Underwood, President of Charles R. Underwood Inc; Randy Hudson, Company Representative, Charles R. Underwood Inc.

**Guests Virtual Attendance:** Heidi Cox, NC DEQ Regional Engineering Supervisor, Division of Water Infrastructure; Aaron Smith, Brunswick County Director of Fiscal Operations; Eileen Callori, Brunswick County Deputy Finance Officer;

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

**AMENDING THE AGENDA**

Chairman Phillips requested the Board's consideration to revise the agenda to remove NB2 Resolution Approving Memorandum of Understanding Regarding Interlocal Agreement for Phased 10-Mile Parallel Raw Water Line Project to allow staff additional time to work with partners.

**Motion:** Director Knight **MOVED**; seconded by Director Buchanan, approval to amend the agenda. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**APPROVAL OF CONSENT AGENDA**

**C1 – Minutes of March 9, 2026, Regular Board Meeting**

**C2 – Minutes of March 9, 2026, Personnel Committee Meeting**

**C3 – Minutes of March 9, 2026, Finance Committee Meeting**

**C4 – Minutes of March 9, 2026, Long Range Planning Committee Meeting**

**C5 – Kings Bluff Monthly Operations and Maintenance Report**

**C6 – Bladen Bluffs Monthly Operations and Maintenance Reports**

**C7 – Resolution Adopting the Lower Cape Fear Water & Sewer Authority's Local Water Supply Plan for Kings Bluff Raw Water Pump Station, PWSID 50-09-013, for calendar year 2025.**

**C8 – Resolution Adopting the Lower Cape Fear Water & Sewer Authority's Local Water Supply Plan for Bladen Bluff's Regional Surface Water System, PWSID 50-09-013, for calendar year 2025.**

**C9 – Resolution Recognizing National Drinking Water Week.**

**Motion:** Director Clinton-Quintana **MOVED**; seconded by Director Williams, approval of the Consent Agenda Items. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NEW BUSINESS****NB1 - Resolution Authorizing Application for State Loan and/or Grant Funding – Kings Bluff Control Panel and Surge Tank Improvements**

Executive Director Holloman advised that the fourth pump project requires a new surge tank for the fourth pump, along with a complete reworking of the control system. We are currently evaluating recommendations and exploring whether the project may qualify for SRF funding or other financial assistance opportunities to help offset costs. Regardless, the project will need to move forward. As always, our goal is to seek all available funding assistance on behalf of the Board and our customers.

**Motion:** Director Edge **MOVED**; seconded by Director Clinton-Quintana, approval of the Resolution Authorizing Application for State Loan and/or Grant Funding – Kings Bluff Control Panel and Surge Tank Improvements. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**ENGINEER'S COMMENTS**

Jess Powell presented a picture of the water lines to the Board for review. A copy of the picture will be included with the meeting minutes.

**ATTORNEY COMMENTS**

No comments.

**EXECUTIVE DIRECTOR REPORT****EDR1 – Comments on Customers' Water Usage and Raw Water Revenue for Fiscal Year to Date Ending February 2026**

Executive Director Holloman reported that Pender County exceeded projections in March.

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

No comments.

**PUBLIC COMMENT**

No comments.

**CLOSED SESSION**

Chairman Phillips requested a motion to go into a closed session in accordance with N.C.G.S. §143-318.11(a)(6) for Personnel Matters.

**Motion:** Director Zapple **MOVED**; seconded by Director Williams, to go into closed session in accordance with N.C.G.S. §143-318.11(a)(6) for Personnel Matters. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

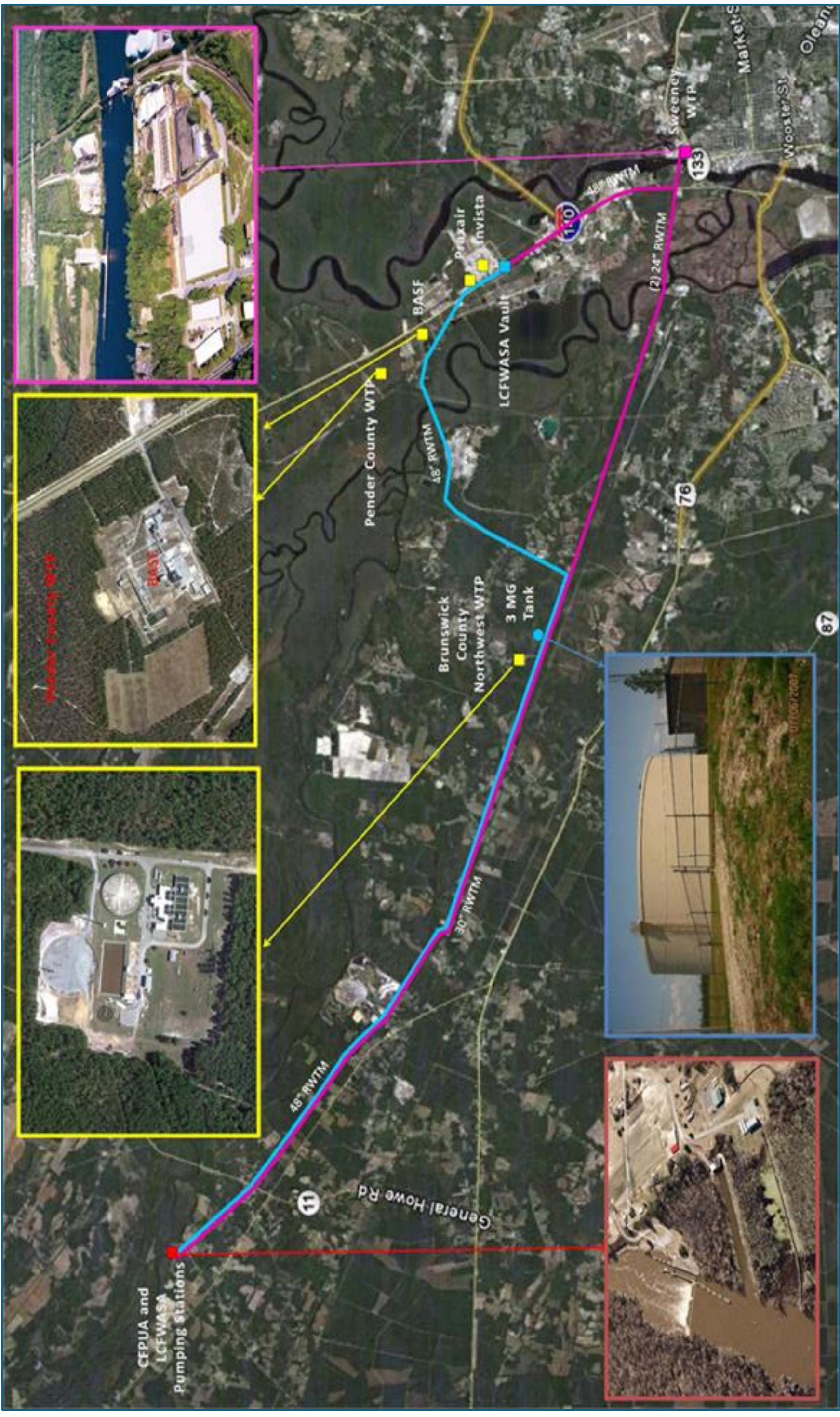
At 9:35 a.m., the board went into closed session. At 9:49 a.m., the board returned to open session. Discussion only; no action taken.

**ADJOURNMENT**

There being no further business, Chairman Phillips adjourned the meeting at 9:50 a.m.

Respectfully Submitted:

\_\_\_\_\_  
Chakema Clinton-Quintana, Secretary



**BRUNSWICK COUNTY PUBLIC UTILITIES**

Kings Bluff Pump Station/LCFWASA

246 Private Rd. 703  
Riegelwood, NORTH CAROLINA 28456MAILING ADDRESS  
P. O. Box 249  
BOLIVIA, NORTH CAROLINA 28422TELEPHONE (910) 655-4799  
FAX (910) 655-4798**TO: Tim Holloman****FROM: David Carson****DATE: 4/1/2026****SUBJECT: Monthly maintenance report for April 2026**

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**Mr. Holloman,**

**Maintenance and Operations of the King's Bluff facility (KB) for the month of April were performed as prescribed in the station SOPs, and the following items were addressed. The diesel drive booster pumps, along with the standby System Computer and Data Acquisition (SCADA) generator located at the raw tank and the SCADA generator located at INVISTA / CFPUA vaults off HWY 421, were run and tested weekly and verified standby read.**

**Items Highlighted in yellow were on Annual Inspection**

- 1) KB personnel completed all locates issued by the Boss 811 system.**
- 2) KB personnel flushed and cleaned mud and sediment from the motor cooling system and flow monitors on pumps 1, 4, and 5. The pump motors are flushed weekly; this cleaning is part of our annual cooling system maintenance.**
- 3) KB personnel continued to paint exhaust fan covers in pump rooms 4 and 5.**
- 4) KB personnel inspected the R.O.W. in Pender County, which is a part of the parallel line project.**
- 5) KB personnel continued to hang hazard/warning signs at the Kings Bluff plant.**
- 6) KB personnel built new shelving units at the Generator building.**
- 7) KB personnel assisted Crane Tech with troubleshooting and fixing the faulty hoist to complete pump #4 replacement.**

- 8) **KB personnel continued to assist MSHS and I&E (instrumentation and electrical) with the Generator/Woodward PLC (programmable logic controller) on testing controls and power issues until successful completion. This project started in late March and ran into April.**
- 9) **KB personnel supported Garney Construction on the Pender County/CFPUA bypass for the last interconnection of the parallel line project.**
- 10) **KB personnel prepared and painted the army door of pump room 1 with galvanized paint, in preparation for repainting the door where the paint failed.**
- 11) **KB personnel mowed the Kings Bluff Authority property at the Raw tank. KB personnel have taken over the mowing /landscaping of the Kings Bluff Authority property at the Raw tank.**
- 12) **KB personnel, in coordination with CFPUA (Cape Fear Public Utility Authority), successfully replaced actuators in the 421 vaults. KB personnel used the valve machine to close the valve to stop the flow, allowing CFPUA to complete this project on their line.**
- 13) **KB personnel aided the Underwood pump in the removal and replacement of pump 4. This project completes the pump rebuilding for all three pumps, along with adding vortex suppressors to each pump during the rebuilds. (#5/2023, 1/2024, 4/2026).**
- 14) **KB personnel assisted Sanford Electric with pulling wire for the PLC upgrade project: air compressor monitoring and controls upgrade.**
- 15) **KB personnel assisted MSHS (Woodward Controls/OME), TMEIC, and I&E (Instrumentation and Electrical, BCPU), with setting parameters, tuning, and testing of the pumps/VFDs while on generator power. Randy Haire and Russel Underwood with setting parameters and testing of pumps while on generator power. Over three days, we went through a range of scenarios to cover any possible issues that may come up, such as power interruptions and transitioning from utility to generator power with one or multiple pumps. Thanks to all the help and collaboration, we have successfully resolved most of the power issues that have plagued us for the last six months. We have not only resolved these issues but also made improvements to Kings Bluff.**

**Contractors:**

**Underwood Pump**

**Randy Haire/Haire Electric & Controls**

**I&E (instrumentation and electrical)**

**MSHS**

**Sanford Electric**

**Lancaster Electric**

**Crane Tech**

**David Carson**

# Smithfield®

To: Tim Holloman - LCFWASA

From: James Kern – Bladen Bluffs SWTP ORC

Date: 5/4/26

Subject: April 2026 Operations

During the month of April, Bladen Bluffs SWTP operated a total of 17 days, treating 55.46 million gallons of water.

We used:

28,977 lbs. of aluminum sulfate (Alum)

8,705 lbs. of sodium hydroxide (Caustic)

1,298 lbs. of sodium hypochlorite (2,606 gallons of 6% Chlorine Bleach)

**James Kern**  
**Water Treatment Plant**  
**Supervisor**

(910) 862-3114  
(910) 862-3146  
(910) 733-0016 mobile  
[jkern@smithfield.com](mailto:jkern@smithfield.com)

**Smithfield.**  
*Good food. Responsibly.®*

Bladen Bluffs Surface Water Treatment  
Plant  
17014 Highway 87 West  
Tar Heel, NC 28392  
[www.smithfieldfoods.com](http://www.smithfieldfoods.com)

## Bladen Bluffs SWTP Maintenance Report

Date: 5/6/2026

### ISSUE:

### PLAN OF ACTION:

1. All PLCs needed updated	Quote received...plan to order hardware and schedule install/update soon
2. Vault intrusion electrical needs replaced	Parts arrived – planning with internal electricians
3. The wooden walkway to the river needs to be replacement	Tim and Jess plan to meet and discuss plan
4. Transfer pump #2 NA	Bad wire – temp fix. Planning with internal electrician – Pump available
5. Look into replacing worn-out safety signs	Received Signage
6. Outdoor digital displays are no good	Ordering new
7. The RWPS level indicator is not working	Electrical issue. Planning repair with an internal electrician
8. Chemical pump PM needed	Completed partial – planning full PM
9. Caustic pump #3 NA	Have spare...planning install
10. Filter #1 influent valve NA	FIXED
11. Flocculator 2B failed	Diagnosed with bad motor – ordering new
12. Suspected mud valve leak on settle basin #2	Ordering repair kit – inspect next time we clean the basin - August
13. The mower needs repair	Tech scheduled – looking into trade-in for new – over 1200 hours on machine

## Monthly Operating Reports (MORs) Summary

(No user data entry – all values are auto-populated.)

<b>Year:</b> <u>2026</u>	<b>PWS Name:</b> <u>Bladen Bluffs Water System</u>	<b>PWSID# :</b> <u>NC5009012</u>
<b>Month:</b> <u>April</u>	<b>Facility Name:</b> <u>Bladen Bluff</u>	

### Combined Filter Effluent (CFE) Turbidity

Samples exceeding 1 NTU (count): <u>0</u>	Number of samples required: <u>92</u>
Samples exceeding .3 NTU (count): <u>0</u>	Number of samples taken: <u>93</u>
Samples exceeding .3 NTU (pct): <u>0.0%</u>	Highest single turbidity reading NTU: <u>0.107</u>
	Monthly average turbidity NTU: <u>0.059</u>

### Individual Filter Effluent (IFE) Turbidity

1) Was each filter <u>continuously</u> monitored for turbidity?	Yes	<u>X</u>	No	
2) Was each filter's monitoring results <u>recorded every 15 minutes</u> ?	Yes	<u>X</u>	No	
3) Was there a failure of the continuous turbidity monitoring equipment?	Yes		No	<u>X</u>
4) Was any individual filter turbidity level > 1.0 NTU in two consecutive measurements ?	Yes		No	<u>X</u>
5) Was any individual filter turbidity level > 0.5 NTU in two consecutive measurements at the end of 4 hours of operation after the filter has been backwashed or otherwise taken offline ?	Yes		No	<u>X</u>
6) Was any individual filter turbidity level > 1.0 NTU in two consecutive measurements in each 3 consecutive months ?	Yes		No	<u>X</u>
7) Was any individual filter turbidity level > 2.0 NTU in two consecutive measurements in 2 consecutive months ?	Yes		No	<u>X</u>

### Entry Point Residual Disinfectant Concentration (EPRD)

Disinfectant Used <u>Chlorine</u>	Number of samples required <u>92</u>
Minimum EPRD concentration <u>0.9800</u>	Number of samples taken <u>93</u>

### Distribution Residual Disinfectant Concentration

Number of samples under 0.010 mg/L (without any detectable) excluding where HPC is ≤ 500/mL	<u>0</u>
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### Contact Time (CT) Ratio

Lowest CT ratio reading <u>20.60</u>	Number of CT ratios required <u>17</u>
Number of CT ratios below 1.0 <u>0</u>	Number of CT ratios calculated <u>17</u>

### Remarks From General Info Worksheet

By checking this box, the ORC certifies that the requirements of 15A NCAC 18C .1301 "General Requirements", .1302 "Tests, Forms, and Reporting", and .1303 "Facility Oversight" have been met for the month of April, 2026 and that records documenting compliance with this rule are maintained on the premises and available for inspection upon request.

NCDENR/DEH PWSS Version: V02.10-00	COMPLETED BY: <u>James Kern</u>	CERTIFICATE GRADE: <u>A - Surface</u> CERTIFICATE NUMBER: <u>120147</u>
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**LAW OFFICE OF  
MATTHEW A. NICHOLS**

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3205 Randall Parkway, Suite 104  
Wilmington, NC 28403

Ph: (910) 508-7476  
Email: matt@mattnicholslaw.com

April 30, 2026

Via email: director@lcfwasa.gov

Mr. Tim Holloman, Executive Director  
Lower Cape Fear Water and Sewer Authority  
1107 New Pointe Blvd., Suite 17  
Leland, NC 28451

Dear Tim:

This letter is written in response to your request regarding my representation of Lower Cape Fear Water and Sewer Authority (the "Authority") in fiscal year 2026-2027 and the anticipated cost of doing so.

I will be pleased to serve as general counsel for the Authority for fiscal year 2026-2027 if the Board of Directors wishes for me to continue in that capacity. I will do so at my existing hourly rate of \$225 per hour, and my paralegal's hourly rate will remain at \$85 per hour.

I anticipate the total charges for fiscal year 2026-2027 will be approximately \$20,000. This total estimated fee assumes only limited additional work with Authority projects and easement matters. If additional work is required, the annual fee will be higher. If you need additional information, please contact me.

Respectfully submitted,



Matthew A. Nichols

MN/nc

**A RESOLUTION OF  
LOWER CAPE FEAR WATER & SEWER AUTHORITY  
EXEMPTING LOWER CAPE FEAR WATER & SEWER AUTHORITY  
FROM THE PROVISIONS OF N.C.G.S. §143-64.31**

**Whereas**, N.C.G.S. §143-64.31 requires Lower Cape Fear Water & Sewer Authority (the "Authority") to conduct an initial selection of firms to provide engineering services without regard to fee; and

**Whereas**, N.C.G.S. §143-64.32 permits the Authority to exempt projects from the provisions of N.C.G.S. §143-64.31 in the case of proposed projects where the estimated professional fee is less than \$50,000.00; and

**Whereas**, the Authority proposes to enter into a contract with McKim & Creed, Inc. for engineering services as described hereinafter; and

**Whereas**, the estimated professional fee for the work to be performed by McKim & Creed, Inc. in connection with such project is less than \$50,000.00, with total estimated fees not to exceed \$38,400.00; and

**Whereas**, the Authority by its execution of this resolution intends to waive the requirements of N.C.G.S. §143-64.31.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of Lower Cape Fear Water & Sewer Authority as follows:

1. Pursuant to N.C.G.S. §143-64.32 the Authority hereby exempts the following from the provisions of N.C.G.S. §143-64.31: McKim & Creed proposal for professional consulting engineering services to the Authority for FY 2026-2027, with total estimated fees not to exceed \$38,4000.00.
2. This Resolution shall be effective upon passage.

This Resolution was adopted on the 11th day of May 2026.

\_\_\_\_\_  
**Scott Phillips, Chairman**

**ATTEST:**

\_\_\_\_\_  
**Chakema Clinton-Quintana, Secretary**

**April 30, 2026**

Mr. Tim Holloman, Executive Director  
Lower Cape Fear Water & Sewer Authority  
1107 New Point Blvd Suite 17  
Leland, NC 28451

**RE: Proposal for Professional Consulting Engineering Services  
Lower Cape Fear Water & Sewer Authority  
FY 2026-2027 Annual Services Agreement**

Dear Mr. Holloman:

McKim & Creed appreciates the opportunity to provide this proposal for professional consulting services for the fiscal year 2026-2027. This proposal is based on the project tasks as outlined below.

### **TASK 1 – MONTHLY AUTHORITY MEETINGS**

McKim & Creed will attend the Monthly meetings of the Authority and assist the Executive Director and Board of Directors by providing technical guidance and responding to general questions with respect to the Authority's facilities during the meetings. The standard service for this item will be \$300 per month (lump sum).

### **TASK 2 – TECHNICAL EVALUATIONS AND AS-NEEDED SERVICES**

Frequently, the Authority receives requests for technical evaluations concerning their capabilities and capacity to meet the needs of its members or public and private entities within the five-county area (Bladen, Columbus, New Hanover, Pender, and Brunswick). At the request and direction of the Executive Director and the Board of Directors, McKim & Creed will provide technical evaluations or assistance for specific issues concerning the Authority's facilities and customers.

We will provide such assistance to the Authority on an hourly not to exceed basis or fixed fee basis at the discretion of the Executive Director and the Board of Directors. McKim & Creed will obtain approval from the Executive Director prior to commencing work on an item.

### **TASK 3 – KINGS BLUFF RAW WATER FACILITIES ANNUAL INSPECTION REPORT**

The consultant will review the activities related to the Authority's raw water pumping facilities for the Kings Bluff system and meet with the O&M Contractor's staff to prepare a summary report concerning current conditions and O&M conducted over the past fiscal year. This summary will constitute the Annual Inspection Report for the Authority for the Kings Bluff Raw Water Facilities.

### **TASK 4 – BLADEN BLUFFS WATER TREATMENT FACILITIES ANNUAL INSPECTION REPORT**

The consultant will review the activities related to the Authority's Bladen Bluffs Surface Water Treatment Facility, located in Tar Heel, NC. We will meet with plant operations staff to prepare a summary report concerning current conditions and

O&M conducted at the facility over the past fiscal year. This summary will constitute the Annual Inspection Report for the Authority for the Bladen Bluffs Water Treatment Facilities.

**TASK 5 – ANNUAL MASTER PLAN UPDATE**

The consultant will prepare an update to the Authority's Master Plan. Primary tasks will include:

- Review current Master Plan projects and update year of occurrence and opinion of probable project costs.
- Remove/edit current Master Plan projects based on current needs of the Authority.
- Add additional Master Plan projects based on current needs of the Authority.
- Update Master Plan document for review and comment by Authority staff and Board of Directors
- Prepare Draft and Final Master Plan document in hard copy and electronic (PDF) format.
- Present updated Master Plan to the Authority's Board of Directors.

**COMPENSATION & BILLING**

The following summarizes the proposed fees for the tasks detailed in this proposal.

TASK	DESCRIPTION	COMPENSATION METHOD	FEE
1	Monthly Authority Meetings	Fixed Fee	\$3,600
2	Technical Evaluations & As-Needed Services	Hourly Not to Exceed	\$10,000
3	Kings Bluff Raw Water Facilities Annual Inspection Report	Fixed Fee	\$7,500
4	Bladen Bluffs Water Treatment Facilities Annual Inspection Report	Fixed Fee	\$7,500
5	Annual Master Plan Update	Fixed Fee	\$9,800
Project Effort Total			\$38,400

**MISCELLANEOUS CONDITIONS**

- 1.5% per month on overdue invoices.
- Either party may terminate with a 30-day notice.

**ATTACHMENTS (SUBTITLE)**

- McKim & Creed, Inc. Engineering Division General Conditions (01/2011-01)

**ACCEPTANCE AND AUTHORIZATION**

If acceptable, sign and return one (1) copy of this document and all attachments for our files. Our receipt of the executed copy of this proposal will serve as our Notice to Proceed. This proposal is valid for thirty (30) days from the date of the proposal. If the proposal is not accepted within thirty (30) days, we reserve the right to revise or withdraw the proposal entirely at our discretion.

We look forward to working with you on this project and appreciate this opportunity to serve your engineering needs. If you have any questions or need additional information, please feel free to call us.

Sincerely,  
**McKim & Creed, Inc.**



Tony Boahn, PE  
Vice-President

**McKim & Creed Proposal Number: 262439**

I hereby authorize McKim & Creed, Inc. to proceed with the work described above.

**Lower Cape Fear Water & Sewer Authority**

By: \_\_\_\_\_

Title: Chairman, Board of Directors

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**E-Verify Requirement.** As a condition of payment for services rendered under this agreement, Engineer shall comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes (requirement that employers use E-Verify). Further, if Engineer provides the services to the Client utilizing a subcontractor, Engineer shall require the subcontractor to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes as well. Engineer shall verify by affidavit compliance with the terms of this section upon request of Client.

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act, this the \_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_

Finance Officer, Lower Cape Fear Water and Sewer Authority

**Billing and Payment.** Invoices will be submitted by McKim & Creed, Inc. (the "Engineer") to the Client monthly for services performed and expenses incurred pursuant to this Agreement. Payment of each such invoice will be due upon receipt and considered past due if not paid within thirty (30) days of the date of the invoice. Any retainers shall be credited on the final invoice.

**a) Interest.** A service charge will be added to delinquent accounts at 18 percent per annum (1.5 percent per month).

**b) Suspension of Services.** If the Client fails to make any payment due the Engineer for services and expenses within thirty (30) days of the invoice date on the project(s) covered by this agreement or any other project(s) being performed by Engineer for Client, the Engineer may suspend services under this Agreement until it has been paid in full for all past due amounts owed by Client for services and expenses. The Engineer shall have no liability whatsoever to the Client for any costs or damages occurring as a result of such suspension caused by any such breach of this Agreement by Client.

**c) Collection Costs.** In the event legal action is necessary to enforce the payment provisions of this Agreement, the Engineer shall be entitled to collect from the Client any judgment or settlement sums due, reasonable attorneys' fees, court costs.

**d) Termination Of Services.** The failure of the Client to make payment to the Engineer in accordance with the payment terms set forth herein shall constitute a material breach of this Agreement and shall entitle the Engineer, at its option, to terminate the Agreement. Any material breach of this Agreement by the Client shall, at the Engineer's option and in its sole discretion, constitute a breach of and default under any and/or all other agreements between the Client and Engineer.

**Confidentiality.** The Engineer agrees to keep confidential and not to disclose to any person or entity, other than the Engineer's employees, sub-consultants and the general contractor and subcontractors, if appropriate, any data and information not previously known to and generated by the Engineer or furnished to the Engineer and marked CONFIDENTIAL by the Client. These provisions shall not apply to information in whatever form that comes into the public domain, nor shall it restrict the Engineer from giving notices required by law or complying with an order to provide information or data when such order is issued by a court, administrative agency or other authority with proper jurisdiction, or if it is reasonably necessary for the Engineer to defend itself from any suit or claim.

~~The Client agrees that the technical methods, techniques and pricing information contained in any proposal submitted by the Engineer pertaining to this project or in this Agreement or any addendum thereto, are to be considered confidential and proprietary, and shall not be released or otherwise made available to any third party without the express written consent of the Engineer.~~

**Consequential Damages.** Notwithstanding any other provision of the Agreement, neither party shall be liable to the other for any consequential damages incurred due to the fault of the other party, regardless of the nature of the fault or whether it was committed by the Client or the Engineer, their employees, agents, sub-consultants or subcontractors. Consequential damages include, but are not limited to, loss of use and lost profit.

**Non-Contingency.** The Client acknowledges and agrees that the payment for services rendered and expenses incurred by the Engineer pursuant to this Agreement is not subject to any contingency unless the same is expressly set forth in this Agreement. Payments to the Engineer shall not be withheld, postponed or made contingent on the financing, construction, completion or success of the project or upon receipt by the Client of offsetting reimbursement or credit from other parties causing Additional Services or expenses. No withholdings, deductions or offsets shall be made from the Engineer's compensation for any reason.

**Opinions of Cost.**

(a) Since the Engineer has no control over the cost of labor, materials, equipment or services furnished by others, or over methods of determining prices, or over competitive bidding or market conditions, any and all opinions as to costs rendered hereunder, including but not limited to opinions as to the costs of construction and materials, are estimates only and shall be made on the basis of its experience and qualifications and represent its best judgment as an experienced and qualified professional engineer, familiar with the construction industry; but the Engineer cannot and does not guarantee that proposals, bids or actual costs will not vary from opinions of probable cost prepared by it and the Engineer shall have no liability whatsoever if the actual cost differs from the Engineers estimate. If at any time the Client wishes greater assurance as to the amount of any cost, Client shall employ an independent cost estimator to make such determination. Engineering services required to bring costs within any limitation established by the Client will be paid for as additional services hereunder by the Client.

**Termination.** The obligation to provide further services under this Agreement may be terminated by either party upon seven (7) days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. In the event of any termination, the Engineer shall provide a final statement of charges due and will be paid for all services rendered to the date of termination, all expenses subject to reimbursement hereunder, and other reasonable expenses incurred by the Engineer as a result of such termination. In the event the Engineer's compensation under this Agreement is a fixed fee, upon such termination the amount payable to the Engineer for services rendered will be determined using a proportional amount of the total fee based on a ratio of the amount of the work done, as reasonably determined by the Engineer, to the total amount of work which was to have been performed, less prior partial payments, if any, which have been made.

**Reuse of Documents.** All documents, including but not limited to drawings and specifications, prepared by the Engineer pursuant to this Agreement are related exclusively to the services described herein. They are not intended or represented to be suitable for reuse by the Client or others on extensions of this project or on any other project. Any reuse without written verification or adaptation by the Engineer for specific purposes intended will be at the Client's sole risk and without liability or legal exposure to the Engineer. The Client releases the Engineer harmless from all claims that the Client may have against the Engineer and arising out of any unauthorized reuse.

**Limitation of Liability.** In performing its professional services hereunder, the Engineer will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of its profession practicing in the same or similar locality. No other warranty, express or implied, is made or intended by the Engineer's undertaking herein or its performance of services hereunder. THE CLIENT UNDERSTANDS AND AGREES THAT THE ENGINEER HAS NOT MADE AND IS NOT MAKING ANY PROMISE, WARRANTY OR REPRESENTATION EXCEPT THE WARRANTIES EXPRESSLY MADE HEREIN, AND THE ENGINEER EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER IMPLIED WARRANTIES. Under no circumstances shall the Engineer be liable for extra costs or other consequences due to changed conditions or for costs related to the failure of the contractor or material men to install work in accordance with the plans and specifications. The Engineer shall not be liable for ~~errors in judgment or~~ for any loss or damage, which occurs for any reason beyond the control of the Engineer. ~~No action may be instituted hereunder more than one year after the cause of action accrued or should have been discovered by reasonable diligence.~~ The provisions of this paragraph shall survive the termination of this Agreement.

**Controlling Law.** This Agreement is to be governed by the law of the State of North Carolina. ~~The parties agree that any suit or action related to this Agreement shall be instituted and prosecuted in the courts of the County of Wake, State of North Carolina, and each party waives any right or defense relating to such jurisdiction or venue.~~

**Binding Effect.** This Agreement shall bind, and the benefits thereof shall inure to the respective parties hereto, their legal representatives, executors, administrators, successors and permitted assigns.

**Merger; Amendment.** This Agreement constitutes the entire agreement between the Engineer and the Client with respect to its subject matter, and all negotiations and oral understandings between the parties are merged herein. This Agreement can be supplemented and/or amended only by a written document executed by both the Engineer and the Client.

**Ownership Of Instruments Of Service.** All reports, plans, specifications, field data, notes and other documents, including all documents on electronic media, prepared by the Engineer as instruments of service shall become the property of the Owner. The Owner shall retain all common law, statutory and other reserved rights, including the copyright thereto. If the Owner uses any reports, plans, specification, field data, notes or other documents ("documents") for any project other than the specific project for which the documents were intended, then Owner waives any claims for damages related to these other projects.

**Photographs.** Photographs of any completed project embodying the services of the Engineer provided hereunder may be made by the Engineer and shall be considered as its property, and may be used by it for publication.

**Assignment.** Neither party to this Agreement shall transfer, sublet or assign any rights under or interest in this Agreement, including but not limited to fees that are due or fees that may be due, without the prior written consent of the other party.

**Archiving of Project Documentation.** Engineer shall maintain copies of printed project documentation for a period of three years from substantial completion of Engineer's services. Engineer shall maintain copies of all electronic media related to the project for a period of one year from substantial completion of Engineer's services. Requests for reproduction of project documentation after these periods have expired will be considered additional services and will be invoiced at the Engineer's prevailing hourly rates at the time of the request, plus expenses.

**Betterment.** If, due to the Engineer's error, any required item or component of the project is omitted from the Engineer's construction documents, the Engineer shall not be responsible for paying the cost to add such item or component to the extent that such item or component would have been otherwise necessary to the project or otherwise adds value or betterment to the project. In no event will the Engineer be responsible for any cost or expense that provides betterment, upgrade or enhancement of the project.

**Electronic Files.** Because data stored on electronic media can deteriorate undetected or be modified without the Engineer's knowledge, the Client agrees that it will accept responsibility for the completeness, correctness, or readability of any electronic media delivered to the Client after an acceptance period of 30 days after delivery of the electronic files, ~~and that upon the expiration of this acceptance period, Client will release, indemnify and save harmless the Engineer from any and all claims, losses, costs, damages, awards or judgments arising from use of the electronic media files or output generated from them.~~ The Engineer agrees that it is responsible only for the printed and sealed drawings and documents, and if there is a conflict between these printed documents and the electronic media, the sealed documents will govern. Engineer makes no warranties, express or implied, under this agreement or otherwise, in connection with the Engineer's delivery of electronic files.

**Certifications, Guarantees and Warranties.** The Engineer shall not be required to sign any documents, no matter by whom they may be requested, that would result in the Engineer's having to certify, guarantee or warrant the existence of conditions which the Engineer cannot ascertain. The Client also agrees that it has no right to make the resolution of any dispute with the Engineer or the payment of any amounts due to the Engineer in any way contingent upon the Engineer's signing any such certification.

**Corporate Protection.** It is intended by the parties to this Agreement that the Engineer's services in connection with the project shall not subject the Engineer's individual employees, officers or directors to any personal legal exposure for the risks associated with this project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand or suit shall be directed and/or asserted only against the Engineer, a North Carolina corporation, and not against any of the Engineer's employees, shareholders, officers or directors.

**Job-Site Safety.** Neither the professional activities of the Engineer, nor the presence of the Engineer or its employees and sub-consultants at a construction site, shall relieve the General Contractor and any other entity of their obligations, duties and responsibilities including, but not limited to, construction means, methods, sequence, techniques or procedures necessary for performing, superintending or coordinating all portions of the Work of construction in accordance with the contract documents and any health or safety precautions required by any regulatory

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agencies. The Engineer and its personnel have no authority to exercise any control over any construction contractor or other entity or their employees in connection with their work or any health or safety precautions. The Client agrees that the General Contractor is solely responsible for job-site safety, and warrants that this intent shall be made evident in the Client's agreement with the General Contractor. ~~The Client also agrees that the Client, the Engineer and the Engineer's consultants shall be indemnified and shall be made additional insured under the General Contractor's general liability insurance policy.~~ The Client, upon written request of the Engineer, agrees to use its best efforts to add the Engineer as an additional insured on the contractor's general liability and auto liability policies.

**Scope of Services.** Services not set forth as Basic Services or Additional Services and listed in this Agreement are excluded from the scope of the Engineer's services and the Engineer assumes no responsibility to perform such services.

**Severability And Survival.** Any provision of this Agreement later held to be unenforceable for any reason shall be deemed void, and all remaining provisions shall continue in full force and effect. All obligations arising prior to the termination of this Agreement and all provisions of this Agreement allocating responsibility or liability between the Client and the Engineer shall survive the completion of the services hereunder and the termination of this Agreement.

**Shop Drawing Review.** If included in the scope of services to be provided, the Engineer shall review and approve Contractor submittals, such as shop drawings, product data, samples and other data, as required by the Engineer, but only for the limited purpose of checking for conformance with the design concept and the information expressed in the contract documents. This review shall not include review of the accuracy or completeness of details, such as quantities, dimensions, weights or gauges, fabrication processes, construction means or methods, coordination of the work with other trades or construction safety precautions, all of which are the sole responsibility of the Contractor. The Engineer's review shall be conducted with reasonable promptness while allowing sufficient time in the Engineer's judgment to permit adequate review. Review of a specific item shall not indicate that the Engineer has reviewed the entire assembly of which the item is a component. The Engineer shall not be responsible for any deviations from the contract documents not brought to the attention of the Engineer in writing by the Contractor and approved by the Engineer. The Engineer shall not be required to review partial submissions or those for which submissions of correlated items have not been received.

**Specification Of Materials.** The Client understands and agrees that products or building materials, which are permissible under current building codes or ordinances may, at some future date, be banned or limited in use in the construction industry because of presently unknown hazardous characteristics. The Client agrees that if the Client directs the Engineer to specify any product or material, after the Engineer has informed the Client that such product or material may not be suitable or may embody characteristics that are suspected of causing or may cause the product or material to be considered a hazardous substance in the future, the Client waives all claims as a result thereof against the Engineer. ~~The Client further agrees that if any product or material specified for this project by the Engineer shall, at any future date be suspected or discovered to be a health or safety hazard, the Client hereby releases the Engineer from any and all~~

~~liabilities and waives all claims against the Engineer relating thereto.~~

**Standard Of Care.** Services provided by the Engineer under this Agreement will be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same geographic area.

**Suspension Of Services.** If the project is suspended for more than thirty (30) calendar days in the aggregate, the Engineer shall be compensated for services performed and charges incurred prior to such suspension and, upon resumption of services, the Engineer shall be entitled to an equitable adjustment in fees to accommodate the resulting demobilization and re-mobilization costs. In addition, there shall be an equitable adjustment in the project schedule based on the delay caused by the suspension. If the project is suspended for more than ninety (90) calendar days in the aggregate, the Engineer may, at its option, terminate this Agreement upon giving notice in writing to the Client.

**Unauthorized Changes To Documents.** In the event the Client consents to, allows, authorizes or approves of changes to any plans, specifications, construction documents or electronic media, and these changes are not approved in writing by the Engineer, the Client recognizes that such changes and the results thereof are not the responsibility of the Engineer. Therefore, the Client releases the Engineer from any liability arising from the construction, use or result of such changes. ~~In addition, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Engineer harmless from any damage, liability or cost (including reasonable attorneys' fees and costs of defense) arising from such changes.~~

**Compensation for Additional Services.** The undertaking of the Engineer to perform professional services under this Agreement extends only to those services specifically described herein. If upon the request of the Client, the Engineer agrees to perform additional services hereunder, the Client and the Engineer shall negotiate and agree upon an additional fee to be paid to the Engineer for completion of the agreed upon Additional Services. The Engineer will be under no obligation to begin or complete requested Additional Services until the additional fee has been negotiated and agreed upon in writing by the Client and the Engineer.

**Hourly Billing Rates.** All services to be billed on an hourly basis under this agreement will be billed using the Engineer's prevailing billing rate schedule at the time services are provided. If a specific rate schedule is to be used for this Agreement, it shall expire no later than one year from the date of this Agreement and will be replaced with the prevailing rate schedule in effect at that time.

**Priority Over Form Agreements.** The parties agree that the provisions of this Agreement shall control and govern over any Work Orders, Purchase Orders or other documents, which the Client may issue to Engineer in regard to the project(s) which is (are) the subject of this Agreement. The Client may issue such documents to Engineer for its convenience for accounting or other purposes, but any such Orders will not alter the terms of this Agreement, regardless of any contrary language appearing therein.

**Paragraph Headings.** The paragraph headings contained in this Agreement are for reference purposes only and shall not affect in any way the meaning or interpretation of this Agreement.

**Third Parties.** Nothing in this Agreement shall be construed as giving any person, firm, corporation or other entity other than the parties to this Agreement and their respective successors and permitted assigns, any right, remedy or claim under or in respect of this Agreement or any of its provisions.

**Default.** The Client shall be in default under this Agreement if (i) it fails to pay in full any invoice from the Engineer on the due date or fails to make any other payment due to the Engineer under this Agreement, (ii) it fails to observe or perform any other term, condition or covenant under this Agreement, (iii) it breaches any warranty or representation made under this Agreement, (iv) it dissolves, terminates or liquidates its business, or its business fails or its legal existence is terminated or suspended, (v) any voluntary or involuntary bankruptcy, reorganization, insolvency, receivership, or other similar proceeding is commenced by or against the Client, or (vi) it becomes insolvent, makes an assignment for the benefit of creditors, or conveys substantially all of its assets.

**Design Without Construction Phase Services.** If the services to be provided by Engineer hereunder do not include construction observation and/or construction administration services, or if such services are included in Engineers contracted services and Client later decides to perform these services itself or decides to retain other consultants or individuals to perform these services, Engineer assumes no responsibility for interpretations of the Engineer's services or for any construction observation, construction administration and/or supervision performed by Client or other parties and Client waives any and all claims against Engineer for any losses, claims, costs or damages of any kind whatsoever that may be in any way connected thereto.

~~In addition Client agrees, to the fullest extent permitted by law, to indemnify and hold Engineer harmless from any loss, claim, damage or cost, including reasonable attorneys' fees and costs of defense, arising or resulting from the performance of construction observation, construction administration and/or supervision by Client, its employees, agents or consultants, and including any and all claims arising from the modification or adjustment of, or any clarifications or interpretations of, the Engineer's Work by others.~~

~~Unless, in the Engineer's sole opinion, appropriate levels of construction observation and construction administration services are contracted for and performed by Engineer, Engineer will not be responsible to provide any engineering or other certifications related to the construction or installation of any improvements.~~

**Reliance on Data Provided by Others.** Engineer shall be entitled to reasonably rely on the accuracy of information provided to it by Client or any of Client's other consultants or sub-consultants. Engineer shall not be responsible to extensively review the information provided to insure the accuracy thereof. Client agrees to not hold Engineer responsible for errors or omissions in Engineer's work that are directly attributable to errors or incorrect data provided to Engineer by Client or Client's other consultants. Client further acknowledges that any redesign or corrective efforts required by Engineer resulting from incorrect information provided by Client or Client's other consultants will be paid for by the Client as additional services.

**Credit and Financial Obligations.** Prior to commencement of the work, Engineer may require that Client provide reasonable credit information and other documentation to confirm that the Client has made financial arrangements to fulfill the Client's payment obligations under this Agreement. Engineer may also require such information at any time during the performance of Engineer's services should the Client fail to make payments per this Agreement, a change in the scope materially changes the contract sum, or Engineer identifies in writing a reasonable concern regarding the Client's ability to make payment when payment is due. The Client may be required to furnish this information prior to further commencement or continuation of services by Engineer and Engineer shall not be responsible for the cost of any delay occurring as a result of such a request.

**Markup on Expenses.** Unless specified otherwise in our proposal, all sub consultant costs and other project related costs incurred by Engineer will be billed with a 15% markup. Company vehicle mileage and internal reproduction costs will be billed at the Engineer's prevailing rate for those items. Personal vehicle mileage costs incurred on the project by employees of Engineer will be billed at the prevailing IRS mileage rate in effect at the time of travel.

**SUE Technical Standards.** Quality Level A information obtained by direct exposure of the existing utilities can greatly increase the level of confidence with respect to the location of underground utilities at a particular jobsite. Utility exposure (Quality Level A) permits three-dimensional measurements to be taken on utilities for accurate location at each test hole. The overall level of confidence with respect to the location of site utilities can be raised by increasing the number of test holes examined; however, Engineer provides no guarantee of the location of utilities on the site other than at the locations where test holes have been established.

Quality Level B services include the horizontal, above ground detection, marking and mapping of underground utilities. Geophysical prospecting methods are used to indicate the presence and surface position of buried utilities. Utilities are identified and marked in the field in order to be surveyed and mapped. Quality Level B information should not be used for construction purposes, or where exact horizontal and vertical measurements are required.

The accuracy of Quality Level B designating information and depth of cover readings obtained by utilizing Geophysical and Ground Penetrating Radar equipment and techniques are subject to field and soil conditions beyond our control. Engineer will make reasonable efforts to provide comprehensive and correct positional utility marks to the limits obtainable by the instrumentation used and the existing ground conditions; however, Engineer provides no guarantee that all existing utilities on a particular site will be properly located using these methods.

Utilizing Engineer's SUE services does not relieve any party from their obligation to contact the utility damage prevention system before digging begins. Utility marks placed on the ground by Engineer are not to be used for construction purposes.

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**INSURANCE.** Engineer shall take out and maintain during the life of this Contract the following insurance:

- a. Statutory Workers Compensation insurance;
- b. Comprehensive General Liability insurance in an amount of \$1,000,000.00 for each occurrence and \$2,000,000.00 aggregate;
- c. Automobile Insurance in an amount of \$1,000,000.00

Client shall be named as an additional insured on the Comprehensive General Liability and Automobile insurance policies. Prior to commencing work, Engineer shall provide evidence that the required insurance is in place. Each policy shall provide that Client shall receive not less than thirty days prior written notice of any cancellation, non-renewal or reduction of coverage of any of the policies.

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY RESOLUTION  
APPROVING MEMORANDUM OF UNDERSTANDING REGARDING  
INTERLOCAL AGREEMENT FOR PHASED 10-MILE PARALLEL  
RAW WATER LINE PROJECT**

**WHEREAS**, on March 24, 2023, Lower Cape Fear Water and Sewer Authority (“LCFWASA”), Pender County, Cape Fear Public Utility Authority and Brunswick County entered into an *Interlocal Agreement Regarding Raw Water Pipeline System Improvements* (the “ILA”) regarding the parties’ respective duties, responsibilities and entitlements related to a phased 10-mile parallel water line project (the “Project”);

**WHEREAS**, the Project is a significant public benefit to the citizens of the Cape Fear region by providing redundancy and critical water infrastructure;

**WHEREAS**, with the receipt of additional funding and as a result of project planning requirements, the Project has been divided into Project #1, which consists of the first approximately 7 miles of the project, and Project #2, which consists of the remaining approximately 3 miles of the project;

**WHEREAS**, the Project is in its final phase, identified as “Project #2 (Phase 3)”, which includes paralleling the existing raw water line from the existing 48” transmission main near the existing 48”X36” tee near the interconnected Pender County supply main in New Hanover County to the CFPWA Water Meter Vault;

**WHEREAS**, with the assistance of its Owner-Advisor HDR Engineering, Inc. of the Carolinas (“HDR”) and participating entities, including CFPWA and Pender County, LCFWASA negotiated and entered into a Design-Build Lump Sum Agreement with design-builder Garney Companies, Inc. for Lump Sum Proposal No. 1 dated December 18, 2025, in the total amount of \$1,578,720 for procurement of steel coil for Project #2 (Phase 3);

**WHEREAS**, with the assistance of its Owner-Advisor HDR and participating entities, including CFPWA and Pender County, LCFWASA has negotiated Lump Sum Proposal No. 2 dated February 25, 2026, with design-builder Garney Companies, Inc. for the balance of work on Project #2 (Phase 3) in the lump sum amount of \$16,324,553 (which includes a risk register allowance value of \$962,000) (final design services and construction from STA 10+00 to STA 163+38 and startup for the entire transmission main);

**WHEREAS**, on March 9, 2026, the LCFWASA Board of Directors approved Lump Sum Proposal No. 2 for Project #2 (Phase 3), contingent upon the approval of the North Carolina Department of

Environmental Quality and subject to compliance with all State and Federal funding requirements and funding approval and receipt of payment from CFPUA and Pender County;

**WHEREAS**, based on the Cost Share percentage allocations in the ILA, Pender County’s adjusted partner Cost Share for the Project is now \$1,880,660, which exceeds Pender County’s original Project Cost share estimate of \$1,521,000;

**WHEREAS**, the funding and cost share provisions of the ILA provide in Section IV.B.2 that “[i]f the final project costs exceed the estimated cost and contingency, each party will return to their respective governing body to recommend proportional increased contributions.”; and

**WHEREAS**, LCFWASA and Pender County wish to confirm Pender County’s approval of its increased Cost Share contribution for the Project and anticipated payment schedule for the remainder of the Project as more particularly set forth in a memorandum of understanding between LCFWASA and Pender County titled “Memorandum of Understanding Regarding Interlocal Agreement for Phased 10-Mile Raw Water Line Project”.

**NOW, THEREFORE, BE IT RESOLVED**, by the Chairman and the Lower Cape Fear Water and Sewer Authority Board of Directors, that LCFWASA hereby approves the above-referenced Memorandum of Understanding Regarding Interlocal Agreement for Phased 10-Mile Raw Water Line Project (the “MOU”).

**BE IT FURTHER RESOLVED**, that the Chairman is hereby authorized to execute the MOU on behalf of LCFWASA.

This Resolution shall be effective upon adoption.

A copy of this Resolution shall be recorded in the permanent minutes of this Board.

**Adopted this \_\_\_\_\_ day of May, 2026.**

\_\_\_\_\_  
Scott Phillips, Chairman

**ATTEST:**

\_\_\_\_\_  
Chakema Clinton-Quintana, Secretary

**MEMORANDUM OF UNDERSTANDING  
REGARDING INTERLOCAL AGREEMENT  
FOR PHASED 10-MILE RAW WATER LINE PROJECT**

THIS MEMORANDUM OF UNDERSTANDING (“MOU”) effective April \_\_\_\_, 2026, is entered into by and between LOWER CAPE FEAR WATER AND SEWER AUTHORITY (“LCFWASA”), and PENDER COUNTY, a political subdivision of the State of North Carolina (“Pender”), collectively hereinafter referred to as the “Parties.”

**WITNESSETH:**

WHEREAS, on March 24, 2023, Pender County, LCFWASA, Cape Fear Public Utility Authority (“CFPUA”) and Brunswick County entered into an *Interlocal Agreement Regarding Raw Water Pipeline System Improvements* (the “ILA”) regarding the parties’ respective duties, responsibilities and entitlements related to a phased 10-mile parallel water line project (the “Project”);

WHEREAS, the Project is a significant public benefit to the citizens of Pender County and the Cape Fear region by providing redundancy and critical water infrastructure;

WHEREAS, with the receipt of additional funding and as a result of project planning requirements, the Project has been divided into Project #1, which consists of the first approximately 7 miles of the project, and Project #2, which consists of the remaining approximately 3 miles of the project;

WHEREAS, the Project is in its final phase, identified as “Project #2 (Phase 3)”, which includes paralleling the existing raw water line from the existing 48” transmission main near the existing 48”X36” tee near the interconnected Pender County supply main in New Hanover County to the CFPUA Water Meter Vault;

WHEREAS, with the assistance of its Owner-Advisor HDR Engineering, Inc. of the Carolinas (“HDR”) and participating entities, including CFPUA and Pender County, LCFWASA negotiated and entered into a Design-Build Lump Sum Agreement with design-builder Garney Companies, Inc. for Lump Sum Proposal No. 1 dated December 18, 2025, in the total amount of \$1,578,720 for procurement of steel coil for Project #2 (Phase 3);

WHEREAS, with the assistance of its Owner-Advisor HDR and participating entities, including CFPUA and Pender County, LCFWASA has negotiated Lump Sum Proposal No. 2 dated February 25, 2026, with design-builder Garney Companies, Inc. for the balance of work on Project #2 (Phase 3) in the lump sum amount of \$16,324,553 (which includes a risk register allowance value of \$962,000) (final design services and construction from STA 10+00 to STA 163+38 and startup for the entire transmission main);

WHEREAS, on March 9, 2026, the LCFWASA Board of Directors approved Lump Sum Proposal No. 2 for Project #2 (Phase 3), contingent upon the approval of the North Carolina Department of Environmental Quality and subject to compliance with all State and Federal funding requirements and funding approval and receipt of payment from CFPUA and Pender County;

WHEREAS, based on the Cost Share percentage allocations in the ILA, Pender County's adjusted partner Cost Share for the Project is now \$1,880,660, which exceeds Pender County's original Project Cost share estimate of \$1,521,000;

WHEREAS, the funding and cost share provisions of the ILA provide in Section IV.B.2 that "[i]f the final project costs exceed the estimated cost and contingency, each party will return to their respective governing body to recommend proportional increased contributions."; and

WHEREAS, the parties wish to confirm Pender County's approval of its increased Cost Share contribution for the Project and the anticipated payment schedule for the remainder of the Project.

THEREFORE, the Parties hereby agree to and confirm following:

1. Pender County approves LCFWASA proceeding with the design-build contract for Lump Sum No. 2 for Project #2 (Phase 3) of the phased 10-mile parallel line project as stated above, and Pender County confirms agreement to pay its Cost Share contribution for the same as provided for herein.
2. Pender County approves an increase in its Cost Share contribution for the Project from the original ILA estimate of \$1,521,000 to \$1,880,660.
3. With an anticipated payment of \$581,975 from Pender County to LCFWASA in April 2026, Pender County will have paid \$1,163,950 toward the Project for its Cost Share contribution under the ILA. Accordingly, with the approval of its increased Cost Share contribution as provided for herein, the resulting balance of Pender County's total Cost Share for the remainder of the Project will be \$716,710.
4. LCFWASA will invoice Pender County for \$581,975 in September 2026 and the remaining balance of \$134,735 in September 2027.
5. Nothing in this MOU modifies the Cost Share percentages provided for in the ILA.

The foregoing is predicated upon there being no additional cost increases for the Project, and no additional cost increases are anticipated at this time. If there are additional costs to complete the Project,

each party will return to their respective governing body to recommend proportional increased contributions as provided for in the ILA.

This Memorandum of Understanding may be executed in any number of counterpart copies, each such copy of which shall be deemed to be an original document, and all such copies taken together shall constitute one instrument.

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[SIGNATURE PAGES TO FOLLOW]

[SIGNATURE PAGE TO MEMORANDUM OF UNDERSTANDING REGARDING INTERLOCAL AGREEMENT FOR PHASED 10-MILE RAW WATER LINE PROJECT]

IN WITNESS WHEREOF, the Boards of the respective parties have approved this Memorandum of Understanding and have caused it to be signed by the Chairperson or Manager and attested to by the Secretary or Clerk, as of the year and day first written above.

This the \_\_\_\_\_ day April, 2026.

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY**

(SEAL)

By: \_\_\_\_\_  
Scott Phillips, Chairman

**ATTEST:**

\_\_\_\_\_  
Chakema Clinton-Quintana, Secretary

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act this the \_\_\_\_ day of April, 2026.

\_\_\_\_\_  
LCFWASA Finance Officer

[SIGNATURE PAGE TO MEMORANDUM OF UNDERSTANDING REGARDING INTERLOCAL AGREEMENT FOR PHASED 10-MILE RAW WATER LINE PROJECT]

IN WITNESS WHEREOF, the Boards of the respective parties have approved this Memorandum of Understanding and have caused it to be signed by the Chairperson or Manager and attested to by the Secretary or Clerk, as of the year and day first written above.

This the \_\_\_\_\_ day April, 2026.

**PENDER COUNTY**

**(COUNTY SEAL)**

By: \_\_\_\_\_  
Colby W. Sawyer, County Manager

**ATTEST:**

\_\_\_\_\_  
Tracy Sholders, County Clerk

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act this the \_\_\_\_ day of April, 2026.

\_\_\_\_\_  
Pender County Finance Officer

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY RESOLUTION OPPOSING  
THE EXPANSION OF THE CHEMOURS FAYETTEVILLE WORKS FACILITY**

**WHEREAS**, the Lower Cape Fear Water and Sewer Authority Board of Directors recognizes that safe, clean, and reliable drinking water is essential to the health and well-being of the Cape Fear residents and to the long-term environmental and economic vitality of our region;

**WHEREAS**, the Cape Fear River serves as the primary drinking water source for residents of the Lower Cape Fear Region, supporting approximately 550,000 North Carolinians;

**WHEREAS**, the Lower Cape Fear Water and Sewer Authority (“LCFWASA”) serves Brunswick, Bladen, Pender, New Hanover, Columbus Counties, and the City of Wilmington with a Board of Directors representing those local governments. As the largest regional water system in Eastern North Carolina, LCFWASA’s primary role is to provide raw water from the Cape Fear River to supply treatment facilities that serve 550,000 customers;

**WHEREAS**, since at least 1980, Chemours and its predecessor, DuPont, have released per- and polyfluoroalkyl substances (PFAS), including GenX, into the Cape Fear River from the Fayetteville Works facility located upstream from Lock and Dam #1;

**WHEREAS**, these discharges have resulted in widespread PFAS contamination throughout the Cape Fear River Basin, creating serious concerns about public health, environmental quality, and the financial burden placed on local utilities and ratepayers to provide safe drinking water, as peer-reviewed studies have identified potential associations between long-term PFAS exposure and certain adverse health effects, including increased risks of some cancers, thyroid and liver conditions, and developmental or immune system impacts;

**WHEREAS**, LCFWASA and its regional partners have incurred and/or will incur tens of millions of dollars in costs to mitigate Fayetteville Works PFAS from the water supply;

**WHEREAS**, Chemours has applied to the North Carolina Department of Environmental Quality (NCDEQ) for a permit to expand operations at its Fayetteville Works facility, which would substantially increase production and has the potential to increase PFAS emissions and discharges;

**WHEREAS**, the U.S. Environmental Protection Agency (EPA), the NCDEQ, and other regulatory agencies have the authority and responsibility to deny permit applications that may endanger public health or violate federal or state environmental laws; and

**WHEREAS**, LCFWASA strongly supports continued oversight by the EPA and NCDEQ to ensure Chemours achieves full compliance with existing consent orders and implements proven and verifiable controls to prevent additional PFAS contamination.

**NOW, THEREFORE, BE IT RESOLVED** that the Lower Cape Fear Water and Sewer Authority Board of Directors formally opposes any expansion of the Chemours Fayetteville

Works facility that would result in new PFAS emissions or discharges into the environment;

**BE IT FURTHER RESOLVED** that the Lower Cape Fear Water and Sewer Authority Board of Directors respectfully requests that the U.S. Environmental Protection Agency and the North Carolina Department of Environmental Quality deny Chemours’ current expansion permit unless and until the company has:

1. Fully remediated existing contamination;
2. Demonstrated sustained compliance with all applicable environmental laws, consent orders, and permit conditions;
3. Provided independent, verifiable data confirming that proposed operations will not result in the addition of new PFAS releases into the environment; and
4. Provided financial compensation to local governments and public utility organizations for treatment systems and remediation measures implemented because of PFAS contamination in the public water supply and their long-term operation and maintenance.

**BE IT FURTHER RESOLVED** that the Lower Cape Fear Water and Sewer Authority Board of Directors urges Chemours to engage transparently with local governments, utilities, and affected communities to share environmental data, adopt best available control technologies, and prioritize the protections of North Carolina residents and natural resources; and,

**BE IT FURTHER RESOLVED**, that a copy of this Resolution be recorded in the permanent minutes of this Board.

Adopted this \_\_\_\_\_ day of May, 2026.

\_\_\_\_\_  
**Scott Phillips, Chairman**

**ATTEST:**

\_\_\_\_\_  
**Chakema Clinton-Quintana, Secretary**

# AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM HOLLOMAN, EXECUTIVE DIRECTOR

Date: May 11, 2026

Re: Public Hearing Prior to Approval of the Fiscal Year 2026 – 2027 Budget and Budget Ordinance

Please find enclosed for consideration of approval, appropriations for the listed funds for the operation of the Authority for the Fiscal Year beginning July 1, 2026, and ending June 30, 2027.

**Public Hearing:** In accordance with North Carolina General Statute Section 159-12 (b), prior to adopting the budget ordinance, the Board shall hold a public hearing at which time any persons who wish to be heard on the budget may appear. Legal notice of the public hearing on the budget was published on April 16<sup>th</sup>, 22<sup>nd</sup>, 29<sup>th</sup>, and May 6<sup>th</sup>, 2026, in Star-News and on the Authority’s web page.

Written public comment regarding the Fiscal Year 2026-2027 Budget may be submitted to Executive Director Holloman at [director@lcfwasa.gov](mailto:director@lcfwasa.gov) until 4:30 p.m. on May 6<sup>th</sup>, 2026.

- A. Operating Fund Appropriations in the Amount of \$34,773,945
- B. Operating General Fund Appropriations in the Amount of \$4,914,889
- C. Enterprise Fund/Capital Project Fund Appropriations in the Amount of \$1,281,306
- D. Renewal and Replacement Appropriations Fund in the Amount of \$2,848,920
- E. Right of Way Fund Appropriations in the Amount of \$281,535

Motion to Open Public Hearing

1. A motion is made by \_\_\_\_\_ to open a public hearing on the FY 2026-2027 Budget.
2. The motion is seconded by \_\_\_\_\_.

Motion to Close Public Hearing

1. A motion is made by \_\_\_\_\_ to close the public hearing.
2. The motion is seconded by \_\_\_\_\_.

Executive Director Holloman will briefly review the recommended budget as recommended by the Finance Committee

**Action Requested:** No action is required at this time. The Budget is being presented for consideration of approval/disapproval on June 8, 2026, at 9:00 a.m.

**NEW BUSINESS (NB1)**

**Lower Cape Fear Water & Sewer  
Authority**

## **AGENDA ITEM**

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: May 11, 2026

Re: FY 2026-2027 Draft Fiscal Year Budget

Reviewed and approved as to form: MATTHEW A. NICHOLS, AUTHORITY ATTORNEY

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Background: The Finance Committee has met and reviewed drafts since March and recommend the FY 2026-2027 Budget as presented during the Public Hearing for consideration for approval on June 8<sup>th</sup>, 2026.

**Action Requested:** For information purposes.

# ANNUAL BUDGET

## Fiscal Year 2026 - 2027



**LOWER CAPE FEAR WATER & SEWER AUTHORITY**  
**1107 NEW POINTE BLVD., SUITE 17**  
**LELAND, NORTH CAROLINA 28451**

### AUTHORITY BOARD OF DIRECTORS

**SCOTT PHILLIPS, CHAIRMAN**

**AL LEONARD, VICE-CHAIRMAN**

**CHAKEMA CLINTON-QUINTANA, SECRETARY**

**DAMIEN BUCHANAN, TREASURER**

**HARRY KNIGHT, ASSISTANT TREASURER**

**PATRICK DEVANE**

**WAYNE EDGE**

**JERRY GROVES**

**BILL SAFFO**

**CHRIS SMITH**

**WILLIAM SUE**

**PHIL TRIPP**

**FRANK WILLIAMS**

**ROB ZAPPLE**

**BRUNSWICK COUNTY**

**COLUMBUS COUNTY**

**CITY OF WILMINGTON**

**PENDER COUNTY**

**NEW HANOVER COUNTY**

**BLADEN COUNTY**

**BLADEN COUNTY**

**PENDER COUNTY**

**CITY OF WILMINGTON**

**COLUMBUS COUNTY**

**BRUNSWICK COUNTY**

**BRUNSWICK COUNTY**

**BRUNSWICK COUNTY**

**NEW HANOVER COUNTY**

**TIM HOLLOMAN, EXECUTIVE DIRECTOR**

**DANIELLE HERTZOG, ADMINISTRATIVE ASSISTANT**

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June 8, 2026

Chairman Phillips and Directors:

I am pleased to present the FY 2026-2027 Budget for the Lower Cape Fear Water and Sewer Authority for your review and consideration. The enclosed FY 26-27 Budget has been prepared in accordance with the North Carolina General Statute 159 Article 3, entitled "*The Local Government Budget and Fiscal Control Act.*"

The Public Hearing on the annual budget was held during the regularly scheduled monthly meeting of the Authority Board at 9:00 AM on Monday, May 11, 2026, in the conference room of the Authority's offices located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.

Legal notice of the public hearing on the budget was published on April 16, 22, 29, and May 6, 2026, in accordance with the General Statutes.

The Authority's annual budget outlines the revenues that the Authority expects to receive during the fiscal year and outlines the expenditures expected to be made during the fiscal year. The core business of the Authority is providing raw water from the Cape Fear River to the Authority's customers. The Authority also continues to work with Smithfield Foods in the operation of the Bladen Bluffs Regional Water Treatment Plant.

The region served by the Authority continues to be one of the fastest-growing regions in the nation. The counties served by the Authority have increased in population from 456,941 in 2010 to an estimated population of 557,634 in 2025. This represents an 18% increase in the number of people served by the Authority's customers.

### **FY 25-26 ACCOMPLISHMENTS**

Construction on the 10-mile parallel line project began in late 2025 with expected completion date of Spring 2027 and is made possible by partner, State Revolving loan funds, and other funding to advance the project schedule and maximize its benefits.

Expanded Electus as the Authority's Lobbyist from State interests to include the Federal Level as well.

Acquired land for the Reservoir and began advertising for an Owner's Advisor for the Design-Build phase.

Completion of design on the Air backwash and Walkway project expected this year.

Refurbishment the last bowl assembly at Kings Bluff.

Began the 4<sup>th</sup> pump acquisition, design and installation project.

### **CAPITAL IMPROVEMENT PLAN ALIGNED WITH RATES**

The Authority continues to align the CIP with adequate rates to stabilize various funds and levels and anticipate unexpected emergencies and long-term needs. The Long-Range Planning Committee continues to support a rate policy aligned with construction, refurbishment, and expansion needs.

### **FISCAL YEAR 2025-2026 FUND DESCRIPTION**

The Authority maintains five funds. The funds and their purposes are as follows:

#### **BLADEN BLUFFS OPERATING FUND**

While the Authority owns the Bladen Bluffs Regional Water Treatment Plant and is responsible for the debt associated with its construction, Smithfield Foods operates the facilities and pays all costs related to their operation, including the debt service. The Authority receives the bills related to the facility's operation, pays the vendors, and then submits a consolidated statement to Smithfield Foods monthly per the December 19, 2009, Agreement.

The debt service principal for the Bladen Bluffs Regional Water Treatment Plant for FY 26-27 is \$1,190,000 to be paid in December 2026. The interest rate on the remaining principal is variable, and based on current interest rates, it is estimated that \$480,000 in interest will be paid.

In FY 26-27, Smithfield's expenditure on the operation of the Bladen Bluffs Regional Water Treatment Plant is expected to be \$1,400,000,00.

The Authority charges approximately 32.5% of personnel and direct costs to Smithfield in recognition of the personnel's work performed on Bladen Bluffs Regional Water Treatment Plant-related issues, such as accounts payable, expenditure accounting, and capital project management. Smithfield pays its proportionate share of other direct costs, such as insurance and audits.

## **KINGS BLUFF OPERATING FUND**

### **REVENUES**

In FY 26-27, the projected water revenues reflect an increase of 17% over the FY 25-26 projections. The projected water demand for FY 26-27 is 11.19 billion gallons or 30.68 million gallons per day (mgd). By Board approval, the raw water rate increases in FY 26-27 to \$0.5200 per 1,000 gallons for governmental partners and to \$0.74 for Industrial customers. This rate and the projected flow will generate \$6,135,401 in operating revenue.

### **EXPENDITURES**

The Authority owns the Kings Bluff Raw Water Pump Station and associated transmission system. While the Authority contracts with Brunswick County for the daily operation of the station, the Authority is responsible for paying for several direct costs associated with station operation, such as electric charges from Duke Energy, fuel costs related to the main generators, debt service on capital improvements, and significant capital expenditures for repairs of station equipment.

In FY 26-27, Brunswick County's Operations and Maintenance costs are \$720,196.

In FY 26-27, the cost of operating the Kings Bluff Pump Station is \$14,515,788. \$9,896,431 million in capital funds will be expended for various projects, with approximately \$4,200,000 on the air backwash and walkway replacement and 3,065,810 on the fourth pump. \$19,000,000 will be spent on the three-phase, 10-mile parallel line project.

### **RENEWAL AND REPLACEMENT FUND**

The purpose of this fund is to pay for the replacement of equipment at the Kings Bluff Pump Station. At a minimum, the projected balance over ten years should be \$5,000,000, adjusted for inflation.

### **ENTERPRISE FUND**

The Enterprise Fund is the primary source of funds for capital projects and major repairs. No projects are budgeted for this fund in FY 26-27. The balance of this fund is \$512,256. Over ten years, the projected balance should be \$10,000,000 at a minimum. Annual allocations to this fund need to be in the range of \$400,00 to \$500,000 annually to reach 50% of the projected need.

**RIGHT OF WAY FUND**

The Right of Way Maintenance Fund was funded by a developer and will be used to repair the roadway constructed with the Authority's easement in Brunswick County. We do not anticipate any expenditure from this fund in FY 26-27.

**CONCLUSION**

I want to thank the Finance Committee and the Board for supporting and recognizing the resources needed to keep the Authority moving forward. I would also like to express special appreciation to our Financial Administrative Assistant for her attention to detail with Authority funds. The Board continues to strengthen the Authority's Financial position to be prepared to meet capital obligations to our partners and the communities they serve. Furthermore, planning to accommodate future growth and promoting business retention and recruitment to the Cape Fear Region is a top concern for the Board. Recognition also goes to our partners and Board for their continued efforts to secure funding for our larger capital projects in addition to rate revenue.

Respectfully Submitted,

Tim H. Holloman  
Executive Director



# BUDGET ORDINANCE

## FY 2026-2027

### Lower Cape Fear Water & Sewer Authority

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**BE IT ORDAINED** by the Governing Board of the Lower Cape Fear Water & Sewer Authority:

Section 1: The following amounts are hereby appropriated in the **Operating Fund** for the operation of the Authority and its activities for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**APPROPRIATIONS**

<b>Administration</b>	\$1,258,157
<b>Operating Expenses</b>	
Sales Tax Expense	263,500
Operating Capital Expense	9,896,431
Bladen Bluffs Expense	1,400,000
Utilities/Energy – Kings Bluff Pump Station	650,000
O&M Expense – Kings Bluff	592,857
Transfer to R&R - Kings Bluff R&R Expense	0
Transfer to Enterprise	0
Series 2010 Revenue Bond-Principal Expense (BB)	1,190,000
Series 2010 Revenue Bond-Interest Expense (BB)	523,000
SRF/ARPA	<u>19,000,000</u>

**TOTAL APPROPRIATIONS** \$34,773,945

Section 2: It is estimated the following revenues will be available in the **Operating General Fund** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**REVENUES**

**Operating Revenues**

Brunswick County	\$3,176,853
Cape Fear Public Utility Authority	2,213,427
Pender County	323,960
Hwy 421	133,200
Praxair	20,720
Bladen Bluffs Revenue	3,313,000
Bladen Bluffs Admin Reimbursement	267,241
Sales Tax Refund	255,835

**Non-Operating Revenues**

Interest	195,207
Other Revenue	0
Bladen Bluffs FEMA Admin Reimbursement	0
Renewal and Replacement Fund Appropriated	546,638
SRF/ARPA	<u>24,327,864</u>

**TOTAL REVENUES** 34,773,945

Section 3: The Board of Directors of the Lower Cape Fear Water & Sewer Authority hereby establishes a raw water rate of \$0.5200 per 1,000 gallons for governmental partners and .78 per 1,000 gallons for Industrial customers as of July 1, 2026, for raising the necessary revenue to balance the appropriations noted in Section 1.

Section 4: The following amount is hereby appropriated in the **Operating General Fund** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**APPROPRIATIONS**

Operating General Fund – Appropriated for Future Expenditures	\$ 4,914,889
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 4,914,889</b>

Section 5: It is estimated the following revenue will be available in the **Operating General Fund** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**REVENUES**

Operating General Fund - Fund Balance	\$ 4,914,889
<b>TOTAL ESTIMATED REVENUES</b>	<b>\$ 4,914,889</b>

Section 6: The following amount is hereby appropriated in the **Enterprise Fund** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**APPROPRIATIONS**

Enterprise Fund - Reserve for Future Expenditures	\$ 1,281,306
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 1,281,306</b>

Section 7: It is estimated the following revenue will be available in the **Enterprise Fund** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**REVENUES**

Enterprise Fund - Fund Balance Appropriated	\$ 1,281,306
<b>TOTAL ESTIMATED REVENUES</b>	<b>\$ 1,281,306</b>

Section 8: The following amounts are hereby appropriated in the **Renewal and Replacement Fund (R&R)** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**APPROPRIATIONS**

R&R - Reserve for Future Expenditures	\$ 2,848,920
R&R - Kings Bluff R&R Expense	0
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 2,848,920</b>

Section 9: It is estimated the following revenues will be available in the **Renewal and Replacement Fund** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**REVENUES**

R&R - Fund Balance Appropriated	\$ 2,848,920
Transfer In from Operating Fund	0
<b>TOTAL ESTIMATED REVENUES</b>	<b>\$ 2,848,920</b>

Section 10: The following amount is hereby appropriated in the **Right of Way Maintenance Fund** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**APPROPRIATIONS**

Right of Way Fund - Reserve for Future Expenditures	\$ <u>281,535</u>
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<b>TOTAL APPROPRIATIONS</b>	<b>\$ <u>281,535</u></b>
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Section 11: It is estimated the following revenue will be available in the **Right of Way Maintenance Fund (ROW)** for the fiscal year beginning July 1, 2026, and ending June 30, 2027:

**REVENUES**

ROW - Fund Balance Appropriated	\$ 281,535
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<b>TOTAL ESTIMATED REVENUES</b>	<b>\$ <u>281,535</u></b>
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**Section 10:** Copies of this Budget Ordinance shall be furnished to the Finance Officer to be kept on file for direction in the disbursement of funds. This budget acknowledges and approves any transfers between funds expected as revenue from one fund or account specifically in reference to the Bladen Bluffs Administrative transfers as reflected in this budget and any funds in associated Kings Bluff Funds, including the Revenue and Replacement Fund, Enterprise Fund, and Right of Way Fund.

**Adopted this 8<sup>th</sup> day of June 2026**

\_\_\_\_\_  
Scott Phillips, Chairman

ATTEST:

\_\_\_\_\_  
Charlie Rivenbark, Secretary

LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
FISCAL YEAR 2026-2027 BUDGET

ACCOUNT NO	REVENUES	FY 24-25 APPROVED BUDGET	FY 24-25 ACTUALS	FY 25-26 AMENDED BUDGET	FY 25-26 ACTUAL 03/31/2026	PROPOSED FY 26-27 BUDGET		FY 26-27 TOTAL COMBINED BUDGET
						KINGS BLUFF	BLADEN BLUFFS	
	<b>OPERATING</b>							
3001-01	Brunswick County	\$ 2,522,662	\$ 2,418,355	\$ 2,621,733	\$ 1,833,202	\$ 3,176,853	\$ -	\$ 3,176,853
3002-01	Cape Fear Public Utility Authority	\$ 1,835,996	\$ 1,853,011	\$ 2,022,934	\$ 1,420,024	\$ 2,213,427	\$ -	\$ 2,213,427
3003-03	Pender County	\$ 256,344	\$ 246,669	\$ 289,440	\$ 242,487	\$ 323,960	\$ -	\$ 323,960
3004-01	Stapan/Invista	\$ 176,000	\$ 179,482	\$ 140,000	\$ 146,518	\$ 133,200	\$ -	\$ 133,200
3005-01	Praxair, Inc	\$ 35,200	\$ 24,066	\$ 35,200	\$ 19,061	\$ 20,720	\$ -	\$ 20,720
3006-01	Bladen Bluffs Reimbursement for Plant Operation Costs	\$ 5,570,183	\$ 4,358,121	\$ 5,670,086	\$ 2,546,973	\$ -	\$ 3,313,000	\$ 3,313,000
3006-02	Bladen Bluffs Administrative Reimbursement	\$ 119,988	\$ 167,488	\$ 133,823	\$ 145,192	\$ 267,241	\$ -	\$ 267,241
3007-01	Sales Tax Refund	\$ 115,234	\$ 116,124	\$ 159,988	\$ -	\$ 211,064	\$ 44,771	\$ 255,835
	<b>Subtotal</b>	<b>\$ 10,631,607</b>	<b>\$ 9,363,016</b>	<b>\$ 11,073,204</b>	<b>\$ 6,353,456</b>	<b>\$ 6,346,465</b>	<b>\$ 3,357,771</b>	<b>\$ 9,704,236</b>
	<b>Non-Operating</b>							
3105-01	Interest	\$ 154,188	\$ 247,430	\$ 200,000	\$ 179,657	\$ 195,207	\$ -	\$ 195,207
3120-01	Other Revenue (Insurance Proceeds/Refunds/FEMA)	\$ -	\$ 9,311	\$ -	\$ -	\$ -	\$ -	\$ -
3125-01	Federal Tax Subsidy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3156-00	Rental House Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3170-01	Transfer In	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ -	\$ -	\$ -
3900-01	Renewal and Replacement Fund Appropriated	\$ 104,534	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3900-02	SRF/ARPA/STATE APPROPRIATION	\$ 20,000,000	\$ 15,309,907	\$ 37,762,800	\$ 21,536,391	\$ 24,327,864	\$ -	\$ 24,327,864
2900-00	Fund Balance Appropriated	\$ -	\$ -	\$ -	\$ -	\$ 546,638	\$ -	\$ 546,638
	<b>Subtotal</b>	<b>\$ 21,008,722</b>	<b>\$ 16,316,648</b>	<b>\$ 38,712,800</b>	<b>\$ 22,466,048</b>	<b>\$ 25,069,709</b>	<b>\$ -</b>	<b>\$ 25,069,709</b>
	<b>TOTAL REVENUES</b>	<b>\$ 31,640,329</b>	<b>\$ 25,679,665</b>	<b>\$ 49,786,004</b>	<b>\$ 28,819,504</b>	<b>\$ 31,416,174</b>	<b>\$ 3,357,771</b>	<b>\$ 34,773,945</b>

LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
FISCAL YEAR 2026-2027 BUDGET

ACCOUNT NO.	EXPENDITURES	FY 24-25 APPROVED BUDGET	FY 24-25 ACTUALS	FY 25-26 AMENDED BUDGET	FY 25-26 ACTUAL 03/31/2026	PROPOSED FY 26-27 BUDGET		FY 26-27 TOTAL COMBINED BUDGET
						KINGS BLUFF	BLADEN BLUFFS	
	Administration							
4001-01	Salaries	\$ 222,026	\$ 216,810	\$ 246,869	\$ 187,767	\$ 195,244	\$ 83,676	\$ 278,920
4010-01	Per Diem and Mileage Board Members	\$ 64,476	\$ 53,159	\$ 64,791	\$ 41,972	\$ 45,537	\$ 19,516	\$ 65,053
4012-01	Vehicle Allowance	\$ 5,200	\$ 5,200	\$ 5,200	\$ 4,000	\$ 3,640	\$ 1,560	\$ 5,200
4019-01 & 4024-01	FICA Taxes	\$ 22,534	\$ 20,770	\$ 24,658	\$ 17,567	\$ 19,179	\$ 8,220	\$ 27,399
4029-01	Retirement	\$ 30,196	\$ 29,883	\$ 36,660	\$ 25,404	\$ 29,455	\$ 12,624	\$ 42,079
4035-01	401K Plan	\$ 12,422	\$ 12,268	\$ 13,912	\$ 9,626	\$ 11,085	\$ 4,751	\$ 15,835
4036-01	Miscellaneous Payroll Expenses	\$ 3,050	\$ 3,042	\$ 2,900	\$ 2,525	\$ 2,900	\$ -	\$ 2,900
4038-01	Group Insurance	\$ 44,586	\$ 40,378	\$ 42,586	\$ 23,339	\$ 35,176	\$ 15,075	\$ 50,251
4039-01	Property and Liability Insurance	\$ 156,000	\$ 127,200	\$ 173,160	\$ 105,703	\$ 108,500	\$ 46,500	\$ 155,000
4046-00	Professional Services General	\$ 15,000	\$ 11,509.00	\$ 210,000	\$ 150,364	\$ 200,000	\$ -	\$ 200,000
4046-01	Attorney	\$ 50,000	\$ 36,558	\$ 65,000	\$ 49,599	\$ 45,000	\$ -	\$ 45,000
4047-01	Auditor	\$ 10,500	\$ 8,500	\$ 9,500	\$ 6,750	\$ 6,650	\$ 2,850	\$ 9,500
4048-01	Engineer	\$ 76,406	\$ 33,482	\$ 42,500	\$ 35,236	\$ 150,000	\$ -	\$ 150,000
4049-01	Information Technology	\$ 25,000	\$ 13,107	\$ 20,000	\$ 14,918	\$ 22,000	\$ -	\$ 22,000
4050-01	Financial Advisor	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 10,000
4055-01	Office Maintenance/Repair/Common Charge	\$ 40,000	\$ 30,385	\$ 45,000	\$ 19,947	\$ 30,000	\$ -	\$ 30,000
4058-01	Office Utilities	\$ 3,500	\$ 3,107	\$ 4,000	\$ 2,483	\$ 4,000	\$ -	\$ 4,000
4059-01	Office Expenses (telephone, Printing, Adv)	\$ 15,000	\$ 7,703	\$ 15,000	\$ 6,044	\$ 15,000	\$ -	\$ 15,000
4062-01	Office Equipment	\$ 40,000	\$ 35,700	\$ 50,000	\$ 38,391	\$ 30,000	\$ -	\$ 30,000
4064-01	Printing and Advertising	\$ 14,500	\$ 12,116	\$ 20,500	\$ 4,701	\$ 15,500	\$ -	\$ 15,500
4065-01	Telephone and Internet	\$ 7,000	\$ 5,720	\$ 7,100	\$ 5,128	\$ 7,500	\$ -	\$ 7,500
4070-01	Travel and Training	\$ 40,500	\$ 38,424	\$ 38,500	\$ 28,918	\$ 36,000	\$ -	\$ 36,000
4070-20	Phone Allowance	\$ 520	\$ 520	\$ 520	\$ 400	\$ 520	\$ -	\$ 520
4075-01	Vehicle Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4080-01	Miscellaneous Expense	\$ 17,000	\$ 7,444	\$ 25,000	\$ 3,302	\$ 25,000	\$ -	\$ 25,000
4081-01	Dues & Subscription	\$ 15,120	\$ 15,117	\$ 12,000	\$ 11,650	\$ 15,500	\$ -	\$ 15,500
	<b>Subtotal</b>	<b>\$ 940,536</b>	<b>\$ 768,102</b>	<b>\$ 1,185,356</b>	<b>\$ 795,735</b>	<b>\$ 1,063,386</b>	<b>\$ 194,771</b>	<b>\$ 1,258,157</b>

LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
FISCAL YEAR 2026-2027 BUDGET

ACCOUNT NO.	EXPENDITURES	FY 24-25 APPROVED BUDGET	FY 24-25 ACTUALS	FY 25-26 AMENDED BUDGET	FY 25-26 ACTUAL 03/31/2026	PROPOSED FY 26-27 BUDGET		FY 26-27 TOTAL COMBINED BUDGET
						KINGS BLUFF	BLADEN BLUFFS	
	Operating							
4501-01	Sales Tax Expense	\$ 313,324	\$ 313,324	\$ 550,000	\$ 329,311	\$ 213,500	\$ 50,000	\$ 263,500
4510-01	Bladen Bluffs O & M	\$ 3,678,385	\$ 2,043,149	\$ 3,416,385	\$ 606,267	\$ -	\$ 1,400,000	\$ 1,400,000
4515-01	Bladen Bluffs Hurricane Florence	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4520-01	Utilities/Energy Kings Bluff	\$ 765,363	\$ 758,312	\$ 701,452	\$ 447,260	\$ 650,000	\$ -	\$ 650,000
4530-01	Contract O & M Kings Bluff	\$ 736,811	\$ 599,214	\$ 736,811	\$ 643,585	\$ 592,857	\$ -	\$ 592,857
4537-01	O&M Kings Booster Pump Bluff Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4541-01	Combined Enterprise Funded Series 2010 Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4542-01	Combined Enterprise Funded Series 2010 Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4543-01	Combined Enterprise System Ref Series 2012 Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4544-01	Combined Enterprise System Ref Series 2012 Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4545-01	Bladen Bluffs Debt Service Principal	\$ 1,035,000	\$ 1,035,000	\$ 1,115,000	\$ 1,115,000	\$ -	\$ 1,190,000	\$ 1,190,000
4546-01	Bladen Bluffs Debt Service Interest	\$ 500,000	\$ 459,012	\$ 480,000	\$ 308,980	\$ -	\$ 523,000	\$ 523,000
	Operating Capital Expense	\$ 2,760,310	\$ 745,391	\$ 10,851,000	\$ 743,405	\$ 9,896,431	\$ -	\$ 9,896,431
4998-05	Transfer to R&R - Kings Bluff R&R Expense	\$ 910,600	\$ -	\$ 750,000	\$ 750,000	\$ -	\$ -	\$ -
	Transfer to R&R - Industrial	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4998-06	Transfer to Enterprise Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041-01	421 Relocation New Hanover County Loan Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5180-00	SRF/7 mile parallel line expenditures	\$ 20,000,000	\$ 18,811,153	\$ 30,000,000	\$ 22,768,956	\$ 19,000,000	\$ -	\$ 19,000,000
	Subtotal	\$ 30,699,793	\$ 24,764,555	\$ 48,600,648	\$ 27,712,764	\$ 30,352,788	\$ 3,163,000	\$ 33,515,788
	<b>TOTAL EXPENDITURES</b>	<b>\$ 31,640,329</b>	<b>\$ 25,532,657</b>	<b>\$ 49,786,004</b>	<b>\$ 28,508,499</b>	<b>\$ 31,416,174</b>	<b>\$ 3,357,771</b>	<b>\$ 34,773,945</b>

WATER REVENUE ESTIMATES AND WATER RATE CALCULATION

Raw Water Customer	FLOWS			
	FY 24-25 Actual	FY 25-26 Projected	FY 25-26 Actual (as of 03/31/2026)	FY 26-27 Projected
Brunswick County	5,496,261	5,461,943	3,819,170	6,109,333
CFPUA	4,211,387	4,214,446	2,958,384	4,256,590
Pender County	560,612	582,600	505,180	623,000
Stepan	271,942	200,000	209,311	180,000
Praxair	36,464	50,000	27,229	28,000
	10,576,666	10,508,989	7,519,275	11,196,923

Raw Water Customer	REVENUES			
	FY 24-25 Actual	FY 25-26 Projected	FY 25-26 Actual (as of 03/31/2026)	FY 26-27 Projected
<b>RATE PER 1,000 GALLONS</b>	<b>\$ 0.4400</b>	<b>\$ 0.4800</b>	<b>\$ 0.4800</b>	<b>\$ 0.5200</b>
Brunswick County	\$ 2,418,355	\$ 2,621,733	\$ 1,833,202	\$ 3,176,853
CFPUA	\$ 1,853,010	\$ 2,022,934	\$ 1,420,024	\$ 2,213,427
Pender County	\$ 246,669	\$ 279,648	\$ 242,486	\$ 323,960
	\$ 4,518,034	\$ 4,924,315	\$ 3,495,712	\$ 5,714,240
<b>RATE PER 1,000 GALLONS</b>	<b>\$ 0.6600</b>	<b>\$ 0.7000</b>	<b>\$ 0.7000</b>	<b>\$ 0.7400</b>
Stepan	\$ 179,482	\$ 140,000	\$ 146,518	\$ 133,200
Praxair	\$ 24,066	\$ 35,000	\$ 19,061	\$ 20,720
	\$ 203,548	\$ 175,000	\$ 165,578	\$ 153,920
Combined Total	\$ 4,721,582	\$ 5,099,315	\$ 3,661,291	\$ 5,868,160

**KINGS BLUFF EXPENSES**

ADMINISTRATION	\$ 1,063,386
OPERATING INCLUDING DEBT SERVICE	\$ 30,352,788
TOTAL EXPENSES	\$ 31,416,174

**KINGS BLUFF REVENUES**

WATER SALES BASED ON CURRENT RATE	\$ 5,868,160
OTHER REVENUES	\$ 267,241
TOTAL REVENUES	\$ 6,135,401

**BRUNSWICK COUNTY**

**PROJECTED WATER USE**

**FOR JULY 1, 2026 THROUGH JUNE 30, 2027**

**WATER RATE OF \$0.52 / 1,000 GALLONS**

<b>Month</b>	<b>Estimated Usage</b>	<b>Cumulative Total</b>
July 2026	718,313,493.38	718,313,493.38
August	577,962,971.46	1,296,276,464.84
September	614,207,635.65	1,910,484,100.49
October	504,972,422.15	2,415,456,522.64
November	401,087,578.76	2,816,544,101.40
December	335,916,368.35	3,152,460,469.75
January 2027	420,505,669.34	3,572,966,139.09
February	337,537,515.31	3,910,503,654.40
March	401,229,932.71	4,311,733,587.11
April	549,257,101.99	4,860,990,689.10
May	604,652,703.98	5,465,643,393.08
June	643,689,643.58	6,109,333,036.66
<b>TOTAL</b>	<b>6,109,333,036.66</b>	
<b>Annual Daily Average:</b>	<b>16,737,898.73</b>	<b>\$ 3,176,853.18</b>

**CAPE FEAR PUBLIC UTILITY AUTHORITY**  
**PROJECTED WATER USE**  
**FOR JULY 1, 2026 THROUGH JUNE 30, 2027**  
**WATER RATE OF \$0.52 / 1,000 GALLONS**

<b>Month</b>	<b>Estimated Usage</b>	<b>Cumulative Total</b>
July 2026	302,690,894.43	302,690,894.43
August	313,200,994.93	615,891,889.36
September	337,374,226.08	953,266,115.44
October	332,119,175.83	1,285,385,291.27
November	258,548,472.32	1,543,933,763.59
December	379,414,628.09	1,923,348,391.68
January 2027	436,169,170.79	2,359,517,562.47
February	390,975,738.64	2,750,493,301.11
March	452,985,331.59	3,203,478,632.70
April	422,506,040.14	3,625,984,672.84
May	332,119,175.83	3,958,103,848.67
June	298,486,854.23	4,256,590,702.90
<b>TOTAL</b>	<b>4,256,590,702.90</b>	
<b>Annual Daily Average:</b>	<b>11,661,892.34</b>	<b>\$ 2,213,427.17</b>
		<b>Annual Revenue</b>

**PENDER COUNTY**  
**PROJECTED WATER USE**  
**FOR JULY 1, 2026 THROUGH JUNE 30, 2027**  
**WATER RATE OF \$0.52 / 1,000 GALLONS**

Month	Estimated Usage	Cumulative Total
July 2026	60,000,000.00	60,000,000.00
August	57,000,000.00	117,000,000.00
September	52,000,000.00	169,000,000.00
October	50,000,000.00	219,000,000.00
November	55,000,000.00	274,000,000.00
December	52,000,000.00	326,000,000.00
January 2027	50,000,000.00	376,000,000.00
February	43,000,000.00	419,000,000.00
March	42,000,000.00	461,000,000.00
April	54,000,000.00	515,000,000.00
May	53,000,000.00	568,000,000.00
June	55,000,000.00	623,000,000.00
<b>TOTAL</b>	<b>623,000,000.00</b>	
<b>Annual Daily Average:</b>	<b>1,706,849.32</b>	<b>\$ 323,960.00</b>

PERSONNEL COST

Employee	Adopted FY 25-26	Proposed FY 26-27	Notes
	<b>Salary</b>		
Executive Director	\$ 156,784.42	\$ 175,598.55	3%COLA/4% Merit/5% SSA
Administrative Assistant	\$ 78,858.00	\$ 88,320.96	3%COLA/4% Merit/5% SSA
Part-Time	\$ 15,000.00	\$ 15,000.00	
	<u>\$ 250,642.42</u>	<u>\$ 278,919.51</u>	
	<b>Board</b>		
Board Per Diem and Mileage	\$ 64,475.94	\$ 65,053.44	
	<b>FICA</b>		
Executive Director	\$ 13,405.07	\$ 15,013.68	8.55 % of Salary
Administrative Assistant	\$ 6,742.36	\$ 7,551.44	8.55 % of Salary
Part-Time	\$ 1,282.50	\$ 1,282.50	8.55% of Salary
Board Members	\$ 3,550.95	\$ 3,550.95	8.55% of Salary
	<u>\$ 24,980.88</u>	<u>\$ 27,398.57</u>	
	<b>Retirement</b>		
Executive Director	\$ 21,322.68	\$ 26,515.38	14.85% increasing to 15.10%
Part-Time	\$ 10,724.69	\$ 2,227.50	
Administrative Assistant	\$ 2,040.00	\$ 13,336.46	14.85% increasing to 15.10%
	<u>\$ 34,087.37</u>	<u>\$ 42,079.35</u>	
	<b>Health Insurance</b>		
Executive Director	\$ 21,293.00	\$ 25,125.74	18%
Administrative Assistant	\$ 21,293.00	\$ 25,125.74	18%
	<u>\$ 42,586.00</u>	<u>\$ 50,251.48</u>	
	<b>401 K Contribution</b>		
Executive Director	\$ 9,407.07	\$ 10,535.91	6.0% of the salary
Administrative Assistant	\$ 4,731.48	\$ 5,299.26	6.0% of the salary
	<u>\$ 14,138.55</u>	<u>\$ 15,835.17</u>	

**BOARD MEMBER COST**

Board Member Salaries and Mileage Reimbursement

Salary for Board Member per meeting	\$	300
Salary for Chairman Per Board Meeting	\$	330
Total Salary Costs	\$	50,760.00
Based upon 12 meetings per year		
Current Board Total Mileage		875
Current IRS Mileage Rate	\$	0.725 per mile
Total Mileage Cost Per Year	\$	7,612.50

**Total for Budget** \$ 58,372.5

Round to \$50,000 increase of committee meetings outside of normal meetings

Social Security \$ 3,883

Breakfast \$ 233.15 per month \$ 2,797.80

\$ 65,053.4

BLADEN BLUFFS ADMINISTRATIVE COST CALCULATION

Employee	Allocation		Bladen Bluffs Allocation
		<b>SALARY</b>	
Executive Director		\$ 175,598.55	
Administrative Assistant		\$ 88,320.96	
Part Time		<u>\$ 15,000.00</u>	
		\$ 278,919.51	<b>\$97,621.83</b>
Board Per Diem, Mileage and Expense		\$65,053.44	<b>\$22,768.70</b>
		<b>VEHICLE &amp; CELL PHONE ALLOWANCE</b>	
Executive Director - Vehicle		\$5,200.00	
Executive Director - Cell phone		<u>\$520.00</u>	
		\$5,720.00	<b>\$2,002.00</b>
		<b>FICA</b>	
Executive Director		\$15,013.68	
Administrative Assistant		\$7,551.44	
Part Time		\$1,282.50	
Board Members		<u>\$3,550.95</u>	
		\$27,398.57	<b>\$9,589.50</b>
		<b>RETIREMENT</b>	
Executive Director		\$26,515.38	
Part Time		\$2,227.50	
Administrative Assistant		<u>\$13,336.46</u>	
		\$42,079.35	<b>\$14,727.77</b>
		<b>401K</b>	
Executive Director		\$10,535.91	
Administrative Assistant		<u>\$5,299.26</u>	
		\$15,835.17	<b>\$5,542.31</b>
		<b>HEALTH INSURANCE</b>	
Executive Director		\$25,125.74	
Administrative Assistant		<u>\$25,125.74</u>	
		\$50,251.48	<b>\$17,839.28</b>
		\$ 485,257.52	<b>\$170,091.39</b>

## BLADEN BLUFFS ADMINISTRATIVE COST CALCULATION CONTINUED

<b>ATTORNEY</b>	\$	-
<b>ENGINEER</b>	\$	-
<b>AUDITOR</b>	\$	2,850
<b>INFORMATION TECHNOLOGY</b>	\$	4,800
<b>ADMINISTRATIVE COST FROM FIRST SHEET</b>	\$	<u>170,091</u>
	\$	177,741
<b>INSURANCE PROPERTY &amp; LIABILITY</b>		
Total cost of Property and Liability Insurance is \$94,301		
Bladen Bluffs share is		
based upon percent	\$	<u>46,500</u>
<b>Total Annual Admin Cost</b>	\$	224,241

**BLADEN BLUFFS OPERATING BUDGET**

Bladen Bluffs Budget FY 2023-24	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027
Sales Tax	\$100,000.00	\$105,000.00	\$135,000.00	\$50,000.00
Administrative LCFWASA	\$110,000.00	\$213,798.00	\$224,241.39	\$224,241.39
Administrative General	\$62,000.00	\$62,000.00	\$62,000.00	\$62,000.00
Audit	\$2,800.00	\$2,800.00	\$2,800.00	\$2,800.00
Insurance	\$27,500.00	\$36,566.00	\$51,948.00	\$51,948.00
Professional Services	\$98,000.00	\$98,000.00	\$98,000.00	\$29,400.00
Professional Services Engineering	\$30,000.00	\$25,000.00	\$25,000.00	\$7,500.00
Postage	\$810.00	\$1,000.00	\$1,000.00	\$300.00
Training	\$1,500.00	\$12,500.00	\$12,500.00	\$3,750.00
Computer/IT	\$32,000.00	\$43,500.00	\$43,500.00	\$10,000.00
Fuel Diesel	\$29,000.00	\$15,000.00	\$15,000.00	\$1,000.00
Fuel Gas	\$10,000.00	\$5,000.00	\$5,000.00	\$1,000.00
Equipment Rental	\$90,000.00	\$35,207.00	\$35,207.00	\$10,562.10
Utilities Water	\$1,000.00	\$1,000.00	\$1,000.00	\$300.00
Building Maintenance	\$4,400.00	\$12,000.00	\$12,000.00	\$3,600.00
Grounds Maint./Landscaping	\$340.00	\$15,000.00	\$15,000.00	\$4,500.00
Equipment Maintenance	\$250,000.00	\$200,000.00	\$200,000.00	\$10,000.00
Departmental Supplies	\$1,650,253.00	\$1,500,000.00	\$1,300,000.00	\$384,220.31
Departmental Supplies/Parts	\$170,000.00	\$75,000.00	\$82,204.00	\$24,661.20
Lab Expenses	\$122,000.00	\$135,000.00	\$135,000.00	\$40,500.00
Permitting	\$140,000.00	\$55,000.00	\$55,000.00	\$16,500.00
Environmental/Livestock Safety	\$17,000.00	\$15,000.00	\$15,000.00	\$4,500.00
Land Application	\$275,000.00	\$275,000.00	\$275,000.00	\$82,500.00
Capital Expense	\$40,000.00	\$50,000.00	\$50,000.00	\$15,000.00
Capital Reserve General		\$0.00	\$350,000.00	\$105,000.00
Capital Reserve Vehicle	\$12,000.00	\$39,600.00	\$41,580.00	\$12,474.00
Capital Reserve Scada	\$52,000.00	\$99,000.00	\$103,950.00	\$31,185.00
Capital Reserve GAC	\$360,000.00	\$435,600.00	\$457,380.00	\$137,214.00
Capital Reserve Water and Well	\$148,000.00	\$237,600.00	\$249,480.00	\$74,844.00
Debt Service Principal	\$970,000.00	\$1,035,000.00	\$1,115,000.00	\$1,190,000.00
Debt Service Interest	\$450,000.00	\$500,000.00	\$480,000.00	\$523,000.00
Total	\$5,255,603.00	\$5,335,171.00	\$5,648,790.39	\$3,114,500.00

Department Name: LCFWSA - Reimbursable  
 Department Code: 617150  
 Budget Manager: Director of Public Utilities

COUNTY OF BRUNSWICK  
 Fiscal Year 2027 Budget

Dept #	Item #	Description	Prior Years Actuals 2024	Actuals 2025	2026 Amended Budget	2026 Original Budget @ 7/1/2025	2026 Actual @ 11/30/2025	2026 % Received/ Expended @ 11/30/2025	Input Column 2027 Department Requested	2027 Increase (Decrease) Requested	Line Item Justification
617150	383927	LCFWSA O and M Reimbursement	323,262	480,036	720,196	720,196	170,320	24%	-	(720,196)	
Add New Revenue Line Item in Space Below											
617150			-	-	-	-	-	0%	-	-	
617150			-	-	-	-	-	0%	-	-	
<b>Total Revenues</b>			<b>323,262</b>	<b>480,036</b>	<b>720,196</b>	<b>720,196</b>	<b>170,320</b>	<b>24%</b>	<b>-</b>	<b>(720,196)</b>	
617150	412100	Salary & Wages - Regular	95,074	141,872	140,074	140,074	57,241	41%	144,719	4,645	
617150	412200	Salaries & Wages - Overtime	4,759	5,934	6,000	6,000	4,536	76%	6,150	150	
617150	412203	Salaries & Wages - Pager on Call	8,267	10,949	8,900	8,900	4,602	52%	9,123	223	
617150	412204	Salary & Wages - Call Back	1,510	52	-	-	-	0%	-	-	
617150	412600	Salary and Wages - Temp / Part	22,353	20,197	30,000	30,000	8,857	30%	31,000	1,000	
617150	412700	Salary & Wages - Longevity	1,772	1,843	1,704	1,704	-	0%	2,409	705	
617150	412990	Salary and Wages Reimbursements	13,317	-	-	-	-	0%	-	-	
617150	418100	FICA	10,211	13,300	14,281	14,281	5,503	39%	14,795	514	
617150	418200	Retirement	19,454	29,283	30,411	30,411	12,633	42%	33,114	2,703	
617150	418300	Health Insurance	17,263	19,669	19,300	19,300	8,041	42%	20,265	965	
617150	418303	Workers Compensation	1,847	1,889	2,032	2,032	1,487	73%	2,083	51	
617150	418306	Life Insurance	255	259	286	286	82	29%	295	9	
617150	418310	Dental Insurance	680	752	730	730	304	42%	770	40	
617150	418400	Disability & Long - Term Ins	136	390	462	462	162	35%	478	16	
617150	418900	Fringe Benefits Reimbursements	4,908	-	-	-	-	0%	-	-	
617150	419900	Prof Ser - Other	-	-	-	-	-	0%	-	-	See 4. Line Item Detail Tab
617150	421200	Uniforms	527	121	666	666	327	49%	666	-	2 Employees X \$333 allowance = \$666
617150	425101	Fuel - Emergency Generator	315	-	10,000	10,000	-	0%	12,000	2,000	Fuel to keep the two bulk tanks full . DRA will use 2,000gal per run
617150	426000	Supplies and Materials	520	727	500	500	-	0%	500	-	Cleaning Supplies paint and painting accessories, shelving and storage
617150	426002	Departmental Supplies	1,885	2,927	6,000	6,000	101	2%	2,500	(3,500)	Small hand tools such as wrenches and shovels, batteries, cordless hand tools, volt meters
617150	426010	Computer Software	-	-	592	-	565	95%	-	-	See 4. Line Item Detail Tab
617150	426020	Longterm Software Subscription	-	-	-	-	-	0%	-	-	See 4. Line Item Detail Tab
617150	426100	Equipment Less Than \$500	-	-	-	-	-	0%	440	440	Tablet replacement (\$400.00) and case (\$40.00)
617150	426200	Operating Equip \$500 - \$4,999	-	-	-	-	-	0%	-	-	
617150	426205	Computers \$500 - \$4,999	4,455	-	-	-	-	0%	-	-	
617150	431100	Travel - Mileage	808	1,340	2,000	2,000	420	21%	2,000	-	Training out of town and use of personnel vehicle while company truck is being repaired.
617150	431200	Travel - Subsistence	-	1,241	1,100	500	1,060	96%	500	-	Training out of town, two employees one training event each
617150	431500	Travel - Registrations	100	1,030	2,000	2,000	1,125	56%	1,500	(500)	Training out of town, two employees one training event each
617150	432100	Telephone	1,172	1,556	1,200	1,200	604	50%	1,200	-	Two mobile phones for personnel. Price Increased, 1200 covers actual cost
617150	432150	Cell Phone Reimbursement	25	-	1,300	1,300	-	0%	-	(1,300)	See 3. Payroll Sheet
617150	432500	Postage	22	24	50	50	8	16%	50	-	
617150	435100	Repair and Maint - Building	1,592	38,505	47,400	48,000	362	1%	48,000	-	General Repairs to facility buildings, PY budget included replacement of original Bay doors with more secure rollup doors
617150	435102	Repair and Maint - Grounds	90	164	10,000	10,000	-	0%	10,000	-	Any landscaping that may need replacing, a load of soil or two for erosion control and Rip Rap for the drainage ditch for erosion control, est. is for 8,500 in rock/riprap
617150	435200	Repair and Maint - Equipment	25,950	62,949	112,459	69,000	56,206	50%	30,000	(39,000)	Maintenance of pumps and generators, pipes and compressors, to include supplies for oil changes in pumps, repairs to surge system, filters, air wash system, compressors, monitoring equipment. Dock boards, pilings, and valves. Valve Doctor repairs and Mudd Trax services.
617150	435203	Repair and Maint - Instrument	6,838	12,337	29,408	30,000	7,720	26%	15,000	(15,000)	Repairs for computers, transmitters, radios, SCADA controls and programming at the station and at the raw tank. New programming for new VFD #3 \$6,000

617150	435208	Repair and Maint - Roadways	-	-	2,000	2,000	-	0%	2,000	-	-	-	Gravel for access points to pipeline and meters and pumpstation Replacement markers, painting, replacement ARVs, 3rd party PRV
617150	435217	R and M - Transmission Mains	-	2,360	20,000	20,000	1,908	10%	20,000	-	-	-	testing this covers any needed minor repairs on the ROW and interconnects, valve boxes, gravel, fence repair - Includes offset from 617110 Admin Costs and 617170 Inst -Elect Division
617150	435224	R and M - LCFWSA Raw Water	-	28,083	29,000	29,000	11,957	41%	29,000	-	-	-	
617150	439900	Contract Services	13,213	1,099	20,000	20,000	-	0%	15,000	(5,000)	-	-	See 4. Line Item Detail Tab
617150	439911	Contract Services - Other	-	-	-	-	-	0%	-	-	-	-	See 4. Line Item Detail Tab
617150	441200	Rent of Building	-	-	-	-	-	0%	-	-	-	-	See 4. Line Item Detail Tab
617150	441400	Rent of Equipment	529	2,938	5,000	5,000	-	0%	5,000	-	-	-	See 4. Line Item Detail Tab
617150	441900	Long Term Lease Building	-	-	-	-	-	0%	-	-	-	-	See 4. Line Item Detail Tab
617150	441920	Long Term Lease Equipment	-	-	-	-	-	0%	-	-	-	-	See 4. Line Item Detail Tab
617150	444000	Service and Maint Contracts	63,414	76,217	208,800	208,800	7,813	4%	126,000	(82,800)	-	-	See 4. Line Item Detail Tab
617150	449100	Dues	-	30	-	-	258	0%	300	-	300	-	
617150	451000	Furniture/Office Equipment	-	-	-	-	-	0%	-	-	-	-	
617150	454000	Vehicles On Road	-	-	-	-	-	0%	-	-	-	-	
617150	455000	Equipment	-	-	-	-	-	0%	6,000	6,000	-	-	
617150	458000	Buildings	-	-	-	-	-	0%	-	-	-	-	
617150	459000	Improvements	-	-	-	-	-	0%	-	-	-	-	

Add New Expenditure Line Item In Space Below

617150			-	-	-	-	-	0%	-	-	-	-	
617150			-	-	-	-	-	0%	-	-	-	-	
617150			-	-	-	-	-	0%	-	-	-	-	
617150			-	-	-	-	-	0%	-	-	-	-	
617150			-	-	-	-	-	0%	-	-	-	-	
<b>Total Expenditures</b>			<b>323,262</b>	<b>480,036</b>	<b>763,655</b>	<b>720,196</b>	<b>193,882</b>	<b>25%</b>	<b>592,857</b>	<b>(127,339)</b>			
<b>Revenues Over(Under) Expenditures</b>			<b>(0)</b>	<b>(0)</b>	<b>(43,459)</b>	<b>-</b>	<b>(23,562)</b>		<b>(592,857)</b>	<b>(592,857)</b>			

				<b>Summary</b>	
Salaries and Wages	201,807	246,389		254,180	265,201
Operating Expenditures	86,984	89,250		258,016	167,656
Repair and Maint	34,470	144,397		208,000	154,000
Capital Outlay	-	-		-	6,000

<b>% Change from PY Approved</b>	
Salaries and Wages	4.3%
Operating Expenditures	-35.0%
Repair and Maint	-26.0%
Capital Outlay	n/a

				<b>Template Checks</b>	
				-	Summary Check
				-	Major Operating check
				-	Capital Outlay check
				-	Line Item Detail check
				-	Payroll check
				592,857	Total Rev Plus Exp

FB Change (negative)  
RV  
XP  
net

## OPERATING FUND CAPITAL EXPENDITURES AND TRANSFERS

## EQUIPMENT TO BE REPLACED

	REPLACEMENT COST
VFD COMPONENT REPLACEMENT	\$ -
SECURITY SYSTEM FOR KINGS BLUFF	\$ 30,000
800/900 MHz RADIOS	\$ 15,000
SCADA/SURGE TANK UPGRADES/HACH HYDROCARBON METER REPL	\$ 200,000
VTR PUMP/INSPECT REFURBISH	\$ 200,000
NEW BOWL ASSEMBLY	\$ -
ANTI VORTEXING	\$ 50,000
UPDATE RATE STUDY	\$ -
ROW ACQUISITION	\$ 140,000
MATCHING SRF FUNDING	
FOURTH PUMP	\$ 3,065,810
NEW SURGE TANK	\$ 1,550,000
Empoundment and Checkdam Study	\$ 335,621
WALKWAY REPLACEMENT AND AIR BACKWASH	\$ 4,200,000
VEHICLE FOR MAIN OFFICE	\$ 60,000
MISCELLANEOUS	\$ 50,000
TOTAL	\$ 9,896,431

LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
5 YEAR CAPITAL IMPROVEMENT PLAN

0.33 0.36 0.4 0.44 0.48

KINGS BLUFF CIP PROJECTS	FY21-22	FY22-23	FY23-24	FY24-25	FY 25-26	PROJECT TOTALS
INTERMEDIATE BOOSTER PUMP STATION SHELTER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SURVEYING	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
VFD	\$ 266,875.00	\$ 266,875.00	\$ -	\$ -	\$ 280,000.00	\$ 813,750.00
VTR PUMP	\$ -	\$ 200,000.00	\$ -	\$ 200,000.00	\$ 200,000.00	\$ 600,000.00
ROW MAINTENANCE	\$ -	\$ 35,000.00	\$ 65,000.00	\$ 65,000.00	\$ 67,000.00	\$ 232,000.00
ROW CLEARING	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SCADA UPGRADE	\$ -	\$ -	\$ -	\$ 125,000.00	\$ 125,000.00	\$ 250,000.00
REBUILD EXISTING HIGH SERVICE PUMP MOTORS/INSPECT	\$ -	\$ -	\$ 275,000.00	\$ -	\$ -	\$ 275,000.00
PURCHASE BOWL ASSEMBLY	\$ -	\$ -	\$ 250,000.00	\$ -	\$ -	\$ -
48" PARALLEL LINE LAST 10 MILE SECTION	\$ -	\$ -	\$ 2,000,000.00	\$ 20,000,000.00	\$ 26,000,000.00	\$ 48,000,000.00
ANTI VORTEXING	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 200,000.00
INDEPENDENT RATE STUDY	\$ -	\$ -	\$ 57,000.00	\$ -	\$ -	\$ 57,000.00
ROW ACQUISITIONS	\$ -	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 400,000.00
4TH PUMP	\$ -	\$ -	\$ 225,000.00	\$ -	\$ -	\$ 225,000.00
REPLACE GENERATOR RADIATORS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WALKWAY REPLACEMENT AND AIR BACKWASH BUILDING	\$ -	\$ -	\$ 226,360.00	\$ 2,180,000.00	\$ 4,200,000.00	\$ 6,606,360.00
4TH PUMP	\$ -	\$ -	\$ -	\$ -	\$ 5,800,000.00	\$ -
UTILITY TRUCK WITH BODY	\$ 122,000.00	\$ 30,000.00	\$ 130,000.00	\$ 30,000.00	\$ -	\$ 312,000.00
PIG 48" WATER MAIN TO CFPUA/PENDER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTALS KINGS BLUFF PROJECTS</b>	<b>\$388,875.00</b>	<b>\$ 681,875.00</b>	<b>\$ 3,378,360.00</b>	<b>\$22,750,000.00</b>	<b>\$36,822,000.00</b>	<b>\$57,971,110.00</b>

KINGS BLUFF CIP-SOURCES	FY 2022	FY2023	FY 2024	FY 2025	Source Totals
OPERATING CAPITAL	\$ 388,875.00	\$ 681,875.00	\$ 1,321,360.00	\$ 2,645,466.00	\$ 3,059,200.00
CAPITAL RESERVES	\$ -	\$ -	\$ -	\$ 104,534.00	\$ -
DEBT PROCEEDS	\$ -	\$ -	\$ -	\$ -	\$ -
GRANT	\$ -	\$ -	\$ -	\$ 20,000,000.00	\$ -
OTHER SOURCE	\$ -	\$ -	\$ 2,057,000.00	\$ -	\$ 20,000,000.00
<b>TOTAL KINGS BLUFF SOURCES</b>	<b>\$388,875.00</b>	<b>\$681,875.00</b>	<b>\$3,378,360.00</b>	<b>\$22,750,000.00</b>	<b>\$36,822,000.00</b>

## **AGENDA ITEM**

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: May 11, 2026

Re: Executive Director's Report

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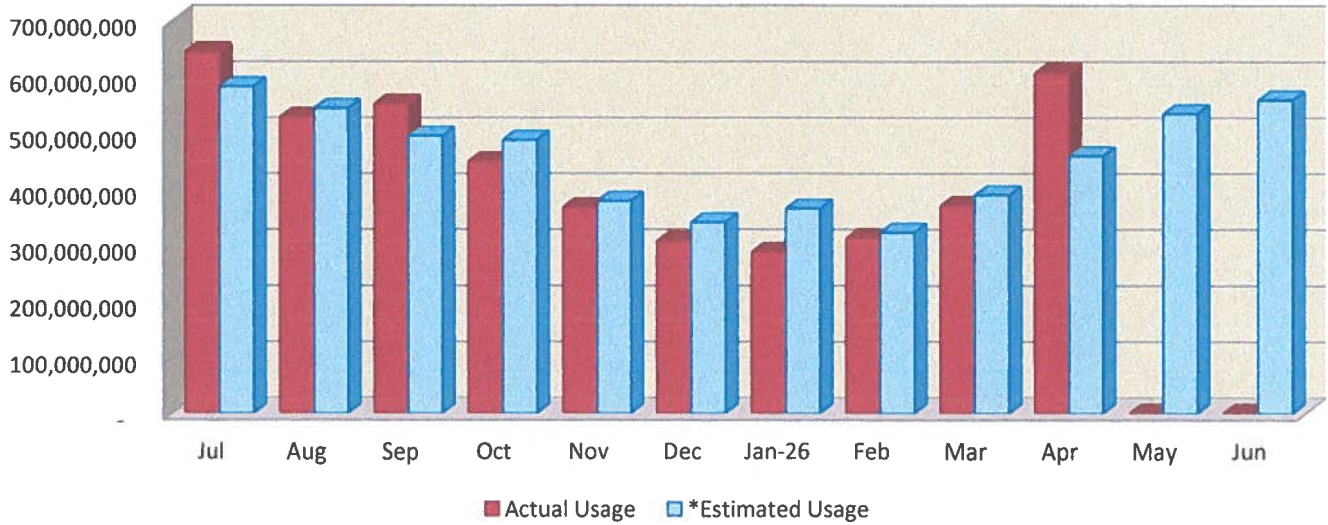
**EDR1** - Comments on Customers' Water Usage and Raw Water Revenue for Fiscal Year to Date Ending April 30, 2026

**EDR2** - Operating Budget Status, Ending February 31, 2026

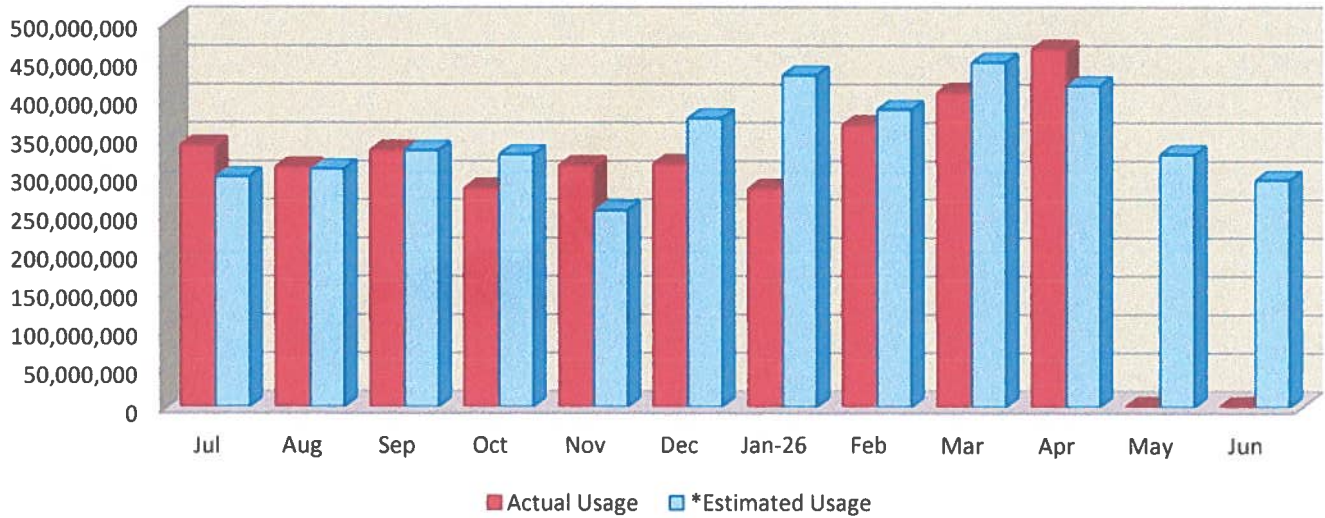
**EDR3** - Summary of Activities

**Action Requested:** For information purposes.

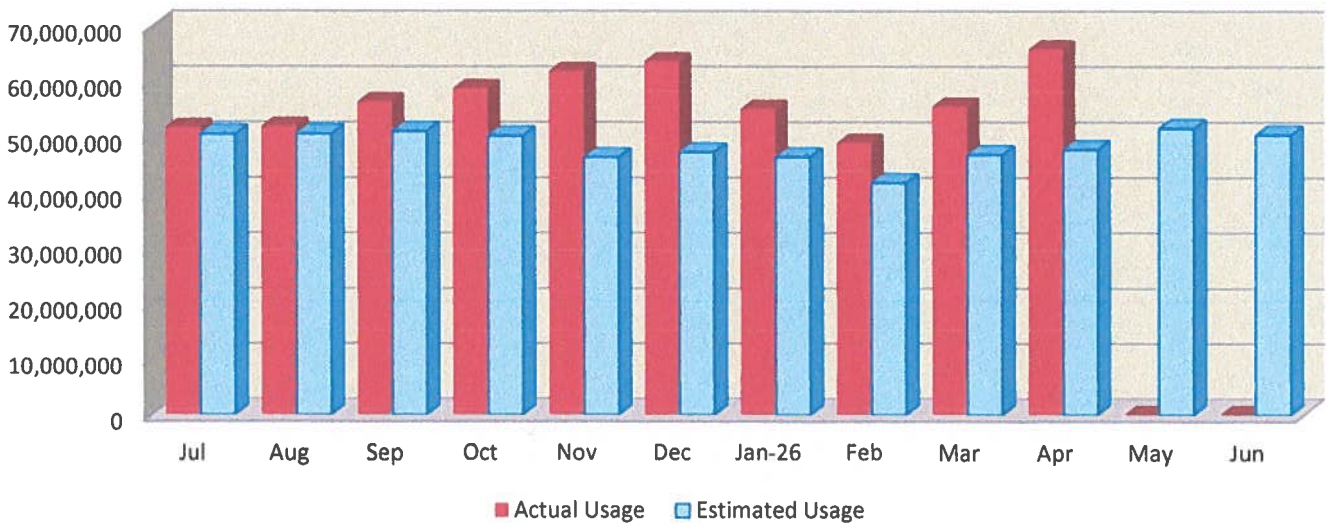
### Brunswick County Water Usage FY 25-26



### CFPUA Water Usage FY 25-26



### Pender County Water Usage FY 25-26



LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
FISCAL YEAR 2025-2026 BUDGET

ACCOUNT NO.	REVENUES	FY 2025-2026 APPROVED BUDGET	FY 2025-2026 AMENDED BUDGET	July 1 - March 31, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 03/31/2026
				KINGS BLUFF	BLADEN BLUFFS		
	<b>OPERATING</b>						
3001-01	Brunswick County	\$ 2,621,733	\$ 2,621,733	\$ 1,833,202	\$ -	\$ 1,833,202	70%
3002-01	Cape Fear Public Utility Authority	\$ 2,022,934	\$ 2,022,934	\$ 1,420,024	\$ -	\$ 1,420,024	70%
3003-03	Pender County	\$ 289,440	\$ 289,440	\$ 242,487	\$ -	\$ 242,487	84%
3004-01	Stepan/Invista	\$ 140,000	\$ 140,000	\$ 146,518	\$ -	\$ 146,518	105%
3005-01	Praxair, Inc	\$ 35,200	\$ 35,200	\$ 19,061	\$ -	\$ 19,061	54%
3006-01	Bladen Bluffs Reimbursement for Plant Operation Costs	\$ 5,670,086	\$ 5,670,086	\$ -	\$ 2,546,974	\$ 2,546,974	45%
3006-02	Bladen Bluffs Administrative Reimbursement	\$ 133,823	\$ 133,823	\$ -	\$ 145,192	\$ 145,192	108%
3007-01	Sales Tax Refund	\$ 159,988	\$ 159,988	\$ -	\$ -	\$ -	0%
	<b>Subtotal</b>	<b>\$ 11,073,204</b>	<b>\$ 11,073,204</b>	<b>\$ 3,661,291</b>	<b>\$ 2,692,165</b>	<b>\$ 6,353,456</b>	<b>57%</b>
	<b>Non-Operating</b>						
3105-01	Interest	\$ 200,000	\$ 200,000	\$ 179,657	\$ -	\$ 179,657	90%
3120-01	Other Revenue (Insurance Proceeds/Refunds/FEMA)	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3125-01	Federal Tax Subsidy	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3156-00	Rental House Income	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3170-01	Transfer In	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3900-01	Renewal and Replacement Fund Appropriated	\$ -	\$ 750,000	\$ 750,000	\$ -	\$ 750,000	0%
3900-02	SRF/ARPA	\$ 37,762,800	\$ 37,762,800	\$ 21,536,391	\$ -	\$ 21,536,391	57%
2900-00	Fund Balance Appropriated	\$ -	\$ -	\$ -	\$ -	\$ -	0%
	<b>Subtotal</b>	<b>\$ 37,962,800</b>	<b>\$ 38,712,800</b>	<b>\$ 22,466,049</b>	<b>\$ -</b>	<b>\$ 22,466,049</b>	<b>58%</b>
	<b>TOTAL REVENUES</b>	<b>\$ 49,036,004</b>	<b>\$ 49,786,004</b>	<b>\$ 26,127,339</b>	<b>\$ 2,692,165</b>	<b>\$ 28,819,505</b>	<b>58%</b>

LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
FISCAL YEAR 2025-2026 BUDGET

ACCOUNT NO.	EXPENDITURES	FY 2025-2026 APPROVED BUDGET	FY 2025-2026 AMENDED BUDGET	July 1 - March 31, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 03/31/2026
				KINGS BLUFF	BLADEN BLUFFS		
	Administration						
4001-01	Salaries	\$ 246,869	\$ 246,869	\$ 132,222	\$ 55,546	\$ 187,767	76%
4010-01	Per Diem and Mileage Board Members	\$ 64,791	\$ 64,791	\$ 27,394	\$ 14,578	\$ 41,972	65%
4012-01	Vehicle Allowance	\$ 5,200	\$ 5,200	\$ 2,830	\$ 1,170	\$ 4,000	77%
4019-01 & 4024-01	FICA Taxes	\$ 24,658	\$ 24,658	\$ 12,019	\$ 5,548	\$ 17,567	71%
4029-01	Retirement	\$ 36,660	\$ 36,660	\$ 17,156	\$ 8,249	\$ 25,404	69%
4035-01	401K Plan	\$ 13,912	\$ 13,912	\$ 6,496	\$ 3,130	\$ 9,626	69%
4036-01	Miscellaneous Payroll Processing Expenses	\$ 2,900	\$ 2,900	\$ 2,525	\$ -	\$ 2,525	87%
4038-01	Group Insurance	\$ 42,586	\$ 42,586	\$ 13,757	\$ 9,583	\$ 23,339	55%
4039-01	Property and Liability Insurance	\$ 173,160	\$ 173,160	\$ 66,742	\$ 38,961	\$ 105,703	61%
4046-00	Professional Services General	\$ 55,000	\$ 210,000	\$ 150,364	\$ -	\$ 150,364	72%
4046-01	Attorney	\$ 65,000	\$ 65,000	\$ 49,599	\$ -	\$ 49,599	76%
4047-01	Auditor	\$ 9,500	\$ 9,500	\$ 3,950	\$ 2,800	\$ 6,750	71%
4048-01	Engineer	\$ 150,000	\$ 42,500	\$ 35,236	\$ -	\$ 35,236	83%
4049-01	Information Technology	\$ 15,000	\$ 20,000	\$ 14,918	\$ -	\$ 14,918	75%
4050-01	Financial Advisor	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	0%
4055-01	Office Maintenance/Repair/Common Charge	\$ 45,000	\$ 45,000	\$ 19,947	\$ -	\$ 19,947	44%
4058-01	Office Utilities	\$ 4,000	\$ 4,000	\$ 2,483	\$ -	\$ 2,483	62%
4059-01	Office Expenses (telephone, Printing, Adv)	\$ 15,000	\$ 15,000	\$ 6,044	\$ -	\$ 6,044	40%
4062-01	Office Equipment	\$ 30,000	\$ 50,000	\$ 38,391	\$ -	\$ 38,391	77%
4064-01	Printing and Advertising	\$ 15,500	\$ 20,500	\$ 4,701	\$ -	\$ 4,701	23%
4065-01	Telephone and Internet	\$ 5,500	\$ 7,100	\$ 5,128	\$ -	\$ 5,128	72%
4070-01	Travel and Training	\$ 36,000	\$ 38,500	\$ 28,918	\$ -	\$ 28,918	75%
4070-20	Phone Allowance	\$ 520	\$ 520	\$ 283	\$ 117	\$ 400	77%
4075-01	Vehicle Expense	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4080-01	Miscellaneous Expense	\$ 25,000	\$ 25,000	\$ 3,302	\$ -	\$ 3,302	13%
4081-01	Dues & Subscription	\$ 12,000	\$ 12,000	\$ 11,650	\$ -	\$ 11,650	97%
	<b>Subtotal</b>	<b>\$ 1,103,756</b>	<b>\$ 1,185,356</b>	<b>\$ 656,053</b>	<b>\$ 139,681</b>	<b>\$ 795,734</b>	<b>67%</b>

LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
FISCAL YEAR 2025-2026 BUDGET

ACCOUNT NO.	EXPENDITURES	FY 2025-2026 APPROVED BUDGET	FY 2025-2026 AMENDED BUDGET	July 1 - March 31, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 03/31/2026
				KINGS BLUFF	BLADEN BLUFFS		
	Operating						
4501-01	Sales Tax Expense	\$ 150,000	\$ 550,000	\$ -	\$ 329,311	\$ 329,311	60%
4510-01	Bladen Bluffs O & M	\$ 3,821,385	\$ 3,416,385	\$ -	\$ 606,267	\$ 606,267	18%
4515-01	Bladen Bluffs Hurricane Florence	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4520-01	Utilities/Energy Kings Bluff	\$ 778,052	\$ 701,452	\$ 447,260	\$ -	\$ 447,260	64%
4530-01	Contract O & M Kings Bluff	\$ 736,811	\$ 736,811	\$ 643,585	\$ -	\$ 643,585	87%
4537-01	O&M Kings Booster Pump Bluff Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4541-01	Combined Enterprise Funded Series 2010 Principal	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4542-01	Combined Enterprise Funded Series 2010 Interest	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4543-01	Combined Enterprise System Ref Series 2012 Principal	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4544-01	Combined Enterprise System Ref Series 2012 Interest	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4545-01	Bladen Bluffs Debt Service Principal	\$ 1,115,000	\$ 1,115,000	\$ -	\$ 1,115,000	\$ 1,115,000	100%
4546-01	Bladen Bluffs Debt Service Interest	\$ 480,000	\$ 480,000	\$ -	\$ 308,980	\$ 308,980	64%
	Operating Capital Expense	\$ 10,851,000	\$ 10,851,000	\$ 743,405	\$ -	\$ 743,405	7%
4998-05	Transfer to R&R - Kings Bluff R&R Expense	\$ -	\$ 750,000	\$ 750,000	\$ -	\$ 750,000	100%
	Transfer to R&R - Industrial	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4998-06	Transfer to Enterprise Fund	\$ -	\$ -	\$ -	\$ -	\$ -	0%
2041-01	421 Relocation New Hanover County Loan Principal	\$ -	\$ -	\$ -	\$ -	\$ -	0%
5180-00	SRF77 mile parallel line expenditures	\$ 30,000,000	\$ 30,000,000	\$ 22,768,956	\$ -	\$ 22,768,956	76%
	Subtotal	\$ 47,932,248	\$ 48,600,648	\$ 25,353,206	\$ 2,359,558	\$ 27,712,764	57%
	<b>TOTAL EXPENDITURES</b>	<b>\$ 49,036,004</b>	<b>\$ 49,786,004</b>	<b>\$ 26,009,259</b>	<b>\$ 2,499,239</b>	<b>\$ 28,508,498</b>	<b>57%</b>

Executive Director Highlighted Activities:

- Regular Monthly meetings with the Design Build Team and the Owner's Advisor for the parallel line project.
- Met with HDR and Garney regarding expediting Payment for Payment requests.
- Signed letter with other Partners to the Army Corps regarding the Timber Dikes/Check Dams.
- Routine meetings with HDR concerning projects
- Met with Pender County regarding Parallel line Bypass work
- April 13,14 Attended the Annual Washington Water Fly-in and met With Congressman Rouzer's Office, Senators Tillis and Buds legislative assistants. Also met Representative Brad Knott's staff.
- April 15 to the 17 Attended the Rural Water Policy Forum in Washington, DC.
- Advertised for the Reservoir Owner's Advisor RRQ
- Completed Workman's Comp and Property and Liability Insurance Renewals
- Attended CFPUA Board Meeting
- Meet with Wildan on the annual Rate Structure evaluation.
- Continuing work with the Legislative Delegation on the double project funding Sending out correspondence regarding the Air Backwash and 4<sup>th</sup> pump project.
- Continued work on IBT Concern
- Met with Truist to maximize return on Funds for the Authority and increase security measures
- Met with Computer Warriors regarding Security Camera work at Kings Bluff.
- Certify BB Monthly Report
- Attended NC One Water Spring meeting in Concord, NC
- Worked with Computer Warriors to update Network hardware
- Worked with Brunswick County, CFPUA and Pender on differing meter reading concerns.
- Purchase of Lawn Mover for Kings Bluff Raw Water Plant

**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**Immediately following the Regularly Board Meeting – Long Range Planning Committee Meeting**  
**May 11, 2026**

**MEETING CALL TO ORDER:** Chairman Phillips

**PRESENTATION:** PowerPoint with 25 Year Master Plan Review (Capital Improvement Plan) presented by McKim and Creed

**DISCUSSION:** Directors' Comments and Questions

**ACTION/DIRECTION:** Consider recommending it to the Board for Approval at the June 8<sup>th</sup>, 2026.

**FUTURE MEETINGS:** TBD

**ADJOURNMENT**



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## **DRAFT** MASTER PLANNING DOCUMENT

25 Year Planning Period

FY 2026-2027 to FY 2050-2051

Updated May 2026

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**Prepared for:**

Lower Cape Fear Water & Sewer Authority  
1107 New Pointe Blvd., Ste. 17  
Leland, NC 28451

**Prepared by:**

McKim & Creed, Inc.  
243 N. Front St.  
Wilmington, NC 28401  
M&C Project No. 01675-0073  
License F-1222



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1. **Executive Summary**
2. **King's Bluff Raw Water Facilities Capital Improvement Project Sheets**
  - a. **Lower Cape Fear Water and Sewer Authority Projects**
    - KB1. New 4<sup>th</sup> Pump (RWP#3) at King's Bluff Raw Water Pumping Station
    - KB2. Rebuild/Refurbish 1600 HP Vertical Turbine Raw Water Pump (RWP#3)
    - KB3. New Generators at King's Bluff Raw Water Pumping Station
    - KB4. Pig 48" Pipe from King's Bluff Pump Station to 3 MG Ground Tank
    - KB5. Pig Future 54" Pipe from King's Bluff Pump Station to 3 MG Ground Tank
    - KB6. Walkway and Air Backwash Building Replacement
    - KB7. Replace Raw Water Pumps (RWP# 1, 4 and 5)
    - KB8. New Surge Tank and Control Panel at King's Bluff Pump Station
    - KB9. 5 ROW Acquisitions
    - KB10. 48-Inch PCCP Inspection and Pig – Ground Tank to US-421
    - KB11. 48-Inch PCCP Repairs
    - KB12. 48-Inch PCCP Leak Detection Project
    - KB13. Solar Power Study and Installation
    - KB14. Lock and Dam No. 1 Check Dam Repair/Restoration
  - b. **Cost Sharing Projects\***
    - CS1. New 5<sup>th</sup> Pump (RWP#2) at King's Bluff Pump Station
    - CS2. 3-Mile 54-Inch Parallel Raw Water Main – Pender Vault to CFPWA Vault
    - CS3. 100 MGD Reservoir

**\* Note: The Intermediate Booster Pump Station (IBPS) Shelter, IBPS Upgrade and 20 MG GST Projects are no longer required due to expedited schedules of CS2, CS3 and the 7-Mile Parallel Raw Water Main. The 7-Mile Parallel Raw Water Main has been removed from this Master Plan as it is under construction and fully funded through grants.**
3. **King's Bluff Raw Water Facilities Annual Fiscal Year Budget Breakdown**
4. **Bladen Bluffs Regional Surface Water Facility Capital Improvement Project Sheets**
  - a. **Bladen Bluffs Regional Surface Water Facility Capital Projects**
    - BB1. Replace Existing Pumps at Bladen Bluffs Raw Water Pumping Station
    - BB2. Replace Blower in the Blower Building
    - BB3. Replace Existing Pumps at the Recycle Pumping Station
    - BB4. Replace Existing Pumps at the Transfer Pumping Station
    - BB5. Replace Existing Generators at Bladen Bluffs Pumping Station
    - BB6. PLC Upgrades

- BB7. SCADA Upgrades
- BB8. Intake Screen Walkway Replacement

**b. Bladen Bluffs Regional Surface Water Facility Expansion Projects**

- BBE1. Bladen Bluffs Expansion Study
- BBE2. New High Service Pumping Station
- BBE3. Construct New 1 MG Capacity Clearwell

**5. Bladen Bluffs Regional Surface Water Facility Annual Fiscal Year Budget Breakdown**

**6. Appendix**

## Executive Summary

### I. Kings Bluff Raw Water Facilities

The Authority's proposed 25-year (FY2026-FY2027 through FY2050-FY2051) Capital Project budget for the Kings Bluff Raw Water Facilities is estimated at approximately \$172M. This includes a 54-inch parallel raw water main from the existing Pender County Vault to the US 421 service area that is required in the future to meet the capacity needs of the US 421 area customers and CFPUA. The cost of this parallel main is estimated at \$17M and is subject to grant funding.

The following summarizes the primary drivers for the 25-year Capital Improvement Plan:

- Increase overall system capacity via new infrastructure and/or parts to meet long term raw water demands.
- Rehabilitate and replace infrastructure as needed to maintain system functionality of raw water pipeline.
- Plan and design system capacity in order to balance the supply with the demands and meet the needs of any potential customers.
- Design and construct maintenance system for pipeline in order to periodically clean pipeline and maintain station capacity.

The largest capital initiatives (over \$2 M) anticipated over the next twenty-five fiscal years are summarized as follows:

- New generators at King's Bluff Raw Water Pumping Station
- Walkway and Air Backwash Building Replacement
- Pig 48" existing water main from King's Bluff Pumping Station to 3 MG ground tank
- 100 MG Reservoir
- Install 4<sup>th</sup> pump (RWP#3) at King's Bluff Pumping Station
- Replace existing pumps (RWP#1, 4 and 5) at King's Bluff Pumping Station
- Install 54" parallel raw water main from vault at Pender WTP to CFPUA vault at US 421
- New 5<sup>th</sup> Pump (RWP#2) at King's Bluff Pumping Station
- 48-Inch PCCP Inspection and Pig – Ground Tank to US421
- Solar Power Study and Installation
- Lock and Dam No. 1 Check Dam Repair/Restoration

In addition to these large capital initiatives, there are several projects that are estimated at less than \$2 M, which include:

- Refurbish/rebuild raw water pump (RWP#3 and 4)

- 5 ROW Acquisitions
- Pig future 54" water main from King's Bluff Pumping Station to 3 MG ground tank
- Installation of a new surge tank and control panel upgrades at the King's Bluff Pumping Station
- 48-Inch PCCP Repairs
- 48-Inch PCCP Leak Detection

## II. Bladen Bluffs Regional Surface Water Facility

The Authority's proposed 25-year (FY2026-FY2027 through FY2050-FY2051) Capital Project budget for the Bladen Bluffs Regional Surface Water Facility is estimated at approximately \$14.96M. However, it is noted that Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. All capital improvements and/or maintenance requirements listed in this document are for recommendation only and are the sole responsibility of SFC. LCFWSA would only be responsible for the recommended projects should LCFWSA assume full operation of the facility from SFC.

The following summarizes the primary drivers for the 25-year Capital Improvement Plan:

- Replace aging infrastructure and parts to meet long term demand
- Plan and design to maintain system capacity to meet current and potential future customer demands

The largest capital initiatives (over \$1 M) anticipated over the next twenty-five fiscal years is summarized as follows:

- New 1 MG Capacity Clearwell
- New High Service Pumping Station

In addition to these large capital initiatives, there are a few projects that are estimated at less than \$1 M, which include:

- Replace Pumps at Raw Water Pumping Station
- Replace Pumps at Recycle Pumping Station
- Replace Pumps at Transfer Pumping Station
- Replace Blower in Blower Building
- Replace On-Site Generators
- Bladen Bluffs Expansion Study
- Programmable Logic Controller (PLC) Upgrades
- SCADA Upgrades

- Intake Screen Walkway Replacement

The proposed CIP budget over the next 25 years has been compiled based on these initiatives. It is recommended that each project be periodically reevaluated, which provides an opportunity to reassess the budget and need for each. This will allow the Authority to adjust priorities and budgets based on meeting customer needs.

### III. Capital Projects Evaluations

Each project identified in the CIP was evaluated for the following factors:

**1) Category of Need**

- Capacity – *the project is needed to either maintain current capacity or increase capacity to meet future need.*
- Renewal/Rehabilitation - *the project is needed to replace or rehabilitate existing infrastructure to maintain capacity and operational readiness.*
- Efficiency- *the project is needed to increase or maintain the efficiency of the facilities and/or to maintain operations.*
- Maintenance – *the project is required for a general maintenance need to maintain equipment and/or facilities in operational condition.*

**2) Criticality Score: 1 (Lowest) to 3 (Highest)**

The criticality score was developed for each project to provide a summary assessment of impact to operations as a driver for project implementation. Note that criticality levels provided in this document are specific to the fiscal year for which they have been identified.

**Criticality Scoring Scale**

1	2	3
The need for the project is low and does not fundamentally impact operational readiness	The project has a moderate impact on operations and may provide limited improvement to the facilities	The project is of critical need and will greatly impact operations if not completed.

**3) Consequence of No-Action**

In addition to the identification of the category and criticality assessment, a “Consequence of No-Action” statement has been included for each project. The intent of this statement is to clarify the impacts to operations, capacity, facility maintenance, etc. that would result if the project were not implemented.

4) **Project Raw Water Demands**

For capacity-related improvements, updated customer projections were provided by the Partners in April 2025. A summary of the projected demands is provided as follows:

**LCFWASA Projected Raw Water Demands**

<b>Customer</b>	<b>2025 Demands (MGD)</b>	<b>2035 Demands (MGD)</b>	<b>2045 Demands (MGD)</b>	<b>2055 Demands (MGD)</b>	<b>2065 Demands (MGD)</b>
CFPUA	14.83	24.8	32.6	47.99	54.38
Brunswick County	26.75	44.83	50.02	53.81	57.67
US 421 Industries	2	2	2	2	2
Pender County	3	6	6	10	11
<b>Totals</b>	<b>46.58</b>	<b>77.63</b>	<b>90.62</b>	<b>113.8</b>	<b>125.05</b>

*\* Cape Fear Public Utility Authority Owns and Operates a separate 10 MGD pump station at Lock and Dam #1. The numbers reflected in the table above do not include the additional 10 MGD that would meet the estimated withdrawal capacity of the Cape Fear River of 106 MGD.*

Over the past several years, regional growth has resulted in increased raw water demand from the Authority’s partners. Current projections indicate that the estimated river withdrawal capacity of 106 million gallons per day (MGD) will be exceeded by approximately 2048. In order to ensure that the Authority continues to provide a reliable and sustainable water supply, it is imperative that the Authority evaluate potential alternatives to determine the most appropriate path forward.

**Kings Bluff Raw Water Facilities  
Capital Improvements  
LCFWSA Projects  
FY 2026-2027 through FY 2050-2051**

**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	New 4 <sup>th</sup> pump (RWP#3) at King's Bluff Raw Water Pump Station		<b>KB 1</b>
<b>CATEGORY OF NEED:</b>	<b>Capacity/Efficiency</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>
<p>Summary:</p> <ul style="list-style-type: none"> <li>Provide a fourth raw water pump (RWP#3) at King's Bluff Pumping Station due to age and mechanical wear of existing pumps and to meet projected demands. Projected demands will exceed station firm capacity by 2037.</li> </ul>			
<p>Justification:</p> <ul style="list-style-type: none"> <li>Increase station capacity to meet long term raw water demand.</li> <li>Provide redundancy during periods of high demand.</li> <li>Firm capacity of station will require 3 pumps by 2037. Fourth pump will be standby/backup and added to pump rotation to reduce hours per pump.</li> </ul>			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The projected demands at the station will exceed the firm capacity and the station will not be able to serve the project customer demand.</li> <li>Current demand requires two pumps to run during peak demands. Should a pump fail or require maintenance during these periods, there would be no redundant pump.</li> </ul>			
<p>Criticality:</p>			
<b>1</b>	<b>2</b>		<b>3</b>
<b>DURATION (MONTHS)</b>	24		
<b>REQUIRED COMPLETION</b>	2028		
<b>TOTAL ESTIMATED COST</b>	\$3,600,000*		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2026 – 2027	\$3,100,000		
2027 – 2028	\$500,000		

\*Note: Subject to grant funding.



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Rebuild/Refurbish 1600 HP Vertical Turbine Raw Water Pump (RWP#3 and 4)		<b>KB 2</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Rebuild and/or refurbishment of the and existing 1600 HP vertical turbine raw water pump #4 and the proposed raw water pump #3 that is currently in construction. Raw Water Pumps #1 and 5 have been rebuilt in recent years.</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Due to age and mechanical wear, it is anticipated that rebuilding of raw water pump #3 and 4 will be required.</li> <li>Rebuilding of pumps will extend the service life of the pumps.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The likelihood of failure of the pumps increases due to age and wear of the existing pump.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #C0392B; color: white;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	12					
<b>REQUIRED COMPLETION</b>	2037					
<b>TOTAL ESTIMATED COST</b>	\$1,000,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2026 – 2027	\$500,000					
2036 - 2037	\$500,000					



LEGEND	
1	Air Backwash Building
2	Kings Bluff Pump Station
3	Generator Building
4	Lock and Dam No. 1

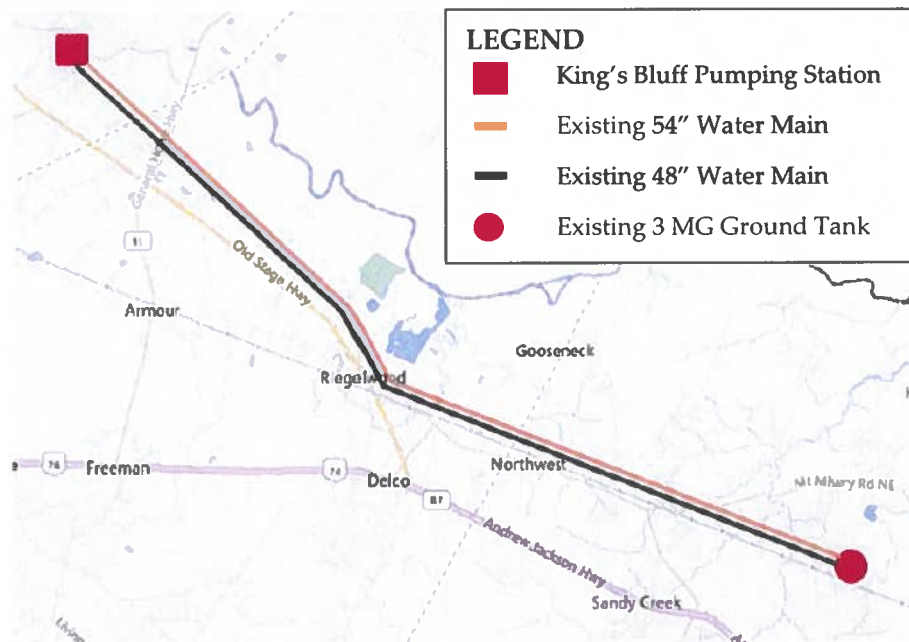
**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Generators at King's Bluff Raw Water Pump Station		<b>KB 3</b>			
<b>CATEGORY OF NEED:</b>	<b>Capacity, Efficiency, Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance /Expansion</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Provide new standby generator(s) and a new generator building at the pump station.</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Requires upgrade due to future increased load associated with additional pump motor HP as well as larger quantity of pumps.</li> <li>A new building will be needed to house the new generators.</li> <li>Due to age, replacement parts are not readily available.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The current generators are undersized to accommodate long-term demands.</li> <li>The existing generators are anticipated to become cost prohibitive to maintain.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	24					
<b>REQUIRED COMPLETION</b>	2033					
<b>TOTAL ESTIMATED COST</b>	\$21,600,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2030 - 2031	\$100,000					
2031 - 2032	\$2,200,000					
2032 - 2033	\$19,300,000					



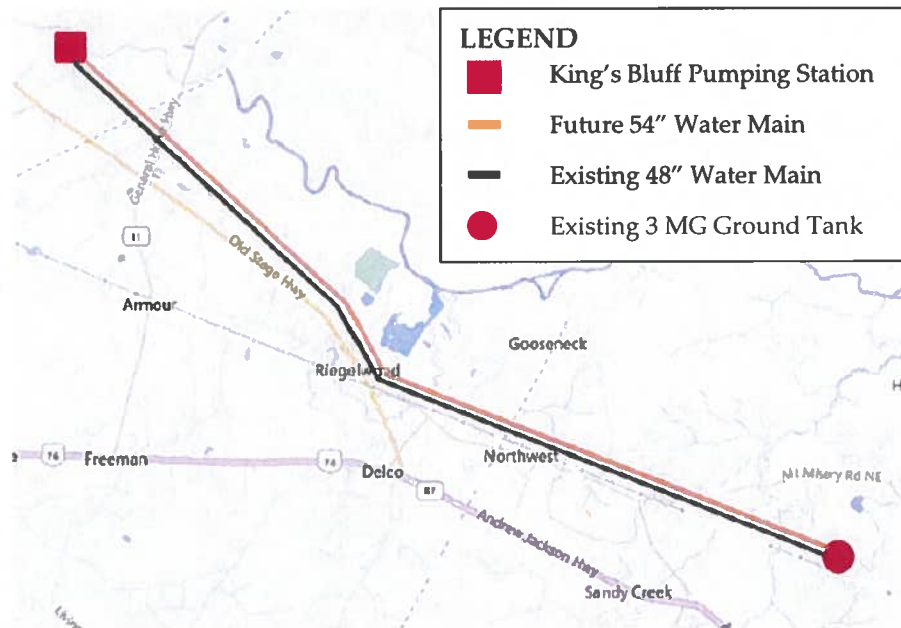
**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Fig 48" Pipe from King's Bluff Pump Station to 3 MG Ground Tank		<b>KB 4</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation, Efficiency</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
Summary: <ul style="list-style-type: none"> <li>• Fig 48" pipeline from King's Bluff to 3 MG ground tank. Repair and/or replace air release valves and blow-offs.</li> </ul>			
Justification: <ul style="list-style-type: none"> <li>• Pigging will maintain a clean pipeline free of sediment, silt, and debris cleaned or emptied in the case of an emergency.</li> <li>• Improves efficiency of pumps by reducing frictional characteristics of the pipeline</li> </ul>			
Consequence of No Action: <ul style="list-style-type: none"> <li>• Potential for loss of capacity and/or clogging due to sediment buildup.</li> <li>• Loss of efficiency and higher electrical costs</li> </ul>			
Criticality: <div style="text-align: center;">▼</div> <div style="display: flex; justify-content: space-around;"> <div style="background-color: #4F81BD; color: white; padding: 5px;">1</div> <div style="background-color: #FFD700; color: black; padding: 5px;">2</div> <div style="background-color: #C00000; color: white; padding: 5px;">3</div> </div>			
<b>DURATION (MONTHS)</b>	12		
<b>REQUIRED COMPLETION</b>	2042		
<b>TOTAL ESTIMATED COST</b>	\$2,100,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2041 - 2042	\$2,100,000		



**KING'S BLUFF RAW WATER FACILITIES**

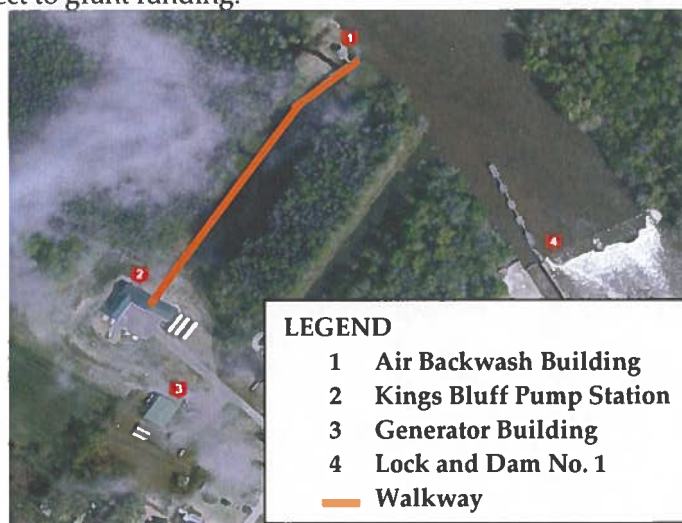
<b>PROJECT TITLE</b>	Fig 54" Pipe from 3 MG Ground Tank to US 421		<b>KB 5</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation, Efficiency</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Fig 54" pipeline from King's Bluff to 3 MG ground tank. Repair and/or replace air release valves and blow-offs.</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Pigging will maintain a clean pipeline free of sediment, silt, and debris cleaned or emptied in the case of an emergency.</li> <li>Improves efficiency of pumps by reducing frictional characteristics of the pipeline</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Potential for loss of capacity and/or clogging due to sediment buildup.</li> <li>Loss of efficiency and higher electrical costs</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; background-color: #4F81BD; color: white; text-align: center;">1</td> <td style="width: 33%; background-color: #FFD700; color: black; text-align: center;">2</td> <td style="width: 33%; background-color: #C00000; color: white; text-align: center;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	12					
<b>REQUIRED COMPLETION</b>	2036					
<b>TOTAL ESTIMATED COST</b>	\$1,800,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2035-2036	\$1,800,000					



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Walkway and Air Backwash Building Replacement		<b>KB 6</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation, Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Replacement of existing walkway from the King's Bluff Pumping Station to the Air Backwash buildings with a new concrete walkway.</li> <li>Upgrade/replace existing air backwash building. (See number 1 on legend below).</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Walkway going from pumping station to air backwash buildings is currently in serviceable condition and will need to be replaced by 2027 due to rotting wood and overall weathering of walkway.</li> <li>During Hurricane Florence the walkway was nearing submergence</li> <li>Existing, original air backwash building needs significant improvements due to a loss of structural integrity caused by the general degradation of original building materials.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Deterioration of the walkway could limit access to the air backwash buildings and raw water intakes.</li> <li>The air backwash facility will continue to deteriorate and create potential issues with protection of equipment and access for operations and maintenance.</li> </ul>						
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white; text-align: center;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black; text-align: center;">2</td> <td style="width: 33%; background-color: #F44336; color: white; text-align: center;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	12					
<b>REQUIRED COMPLETION</b>	2027					
<b>TOTAL ESTIMATED COST</b>	\$4,200,000*					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2026 - 2027	\$4,200,000					

\*Note: Subject to grant funding.



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Replace Raw Water Pumps (RWP#1, 4 and 5)		<b>KB 7</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Replace 1600 HP vertical turbine raw water pumps (RWP#1, 4 and 5) originally installed in 2009.</li> </ul>			
<b>Justification:</b> <ul style="list-style-type: none"> <li>Due to age and mechanical wear, it is anticipated that replacement of raw water pumps (RWP#1, 4, and 5) will be required.</li> </ul>			
<b>Consequence of No Action:</b> <ul style="list-style-type: none"> <li>The likelihood of failure of the pumps increases due to age and wear of the existing pump. The service life of the existing pumps will be expended.</li> </ul>			
<b>Criticality:</b>			
<b>1</b>	<b>2</b>		<b>3</b>
<b>DURATION (MONTHS)</b>	36		
<b>REQUIRED COMPLETION</b>	2033, 2038, 2041		
<b>TOTAL ESTIMATED COST</b>	\$15,700,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2032 - 2033	\$4,600,000		
2037 - 2038	\$5,300,000		
2040 - 2041	\$5,800,000		



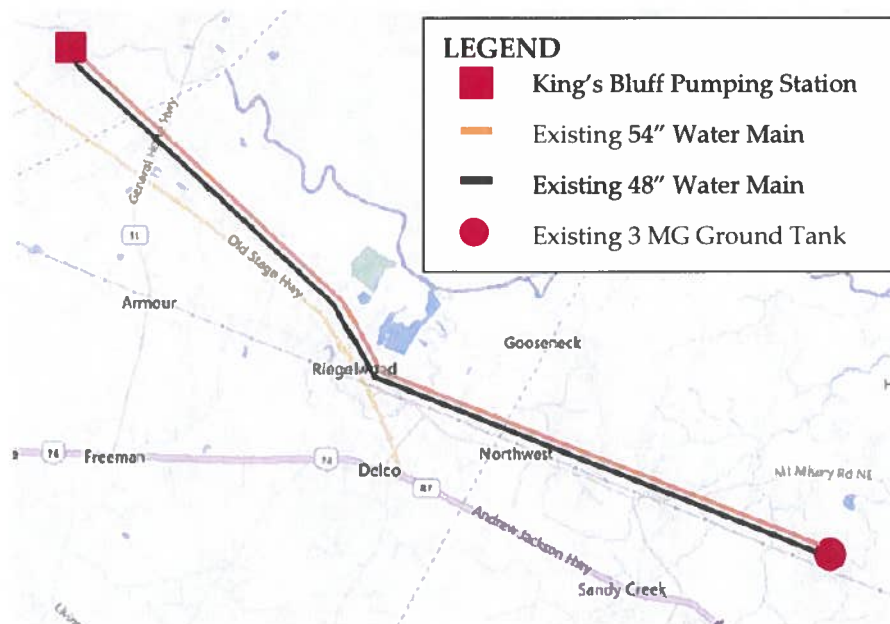
**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	New Surge Tank and Control Panel Upgrades at King's Bluff Pumping Station		<b>KB 8</b>			
<b>CATEGORY OF NEED:</b>	<b>Capacity</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>			
<b>Summary:</b> <ul style="list-style-type: none"> <li>Addition of a 4<sup>th</sup> surge tank and control panel upgrades at King's Bluff Raw Water Pumping Station.</li> </ul>						
<b>Justification:</b> <ul style="list-style-type: none"> <li>As demand increases, surges in the system will likely increase. The 4<sup>th</sup> surge tank will serve to mitigate system surges and protect the pumps, piping and miscellaneous equipment from surges and water hammer.</li> <li>With the installation of the 4<sup>th</sup> pump, the flows could exceed 100 MGD leaving the pump station with all pumps on which would require an additional surge tank.</li> <li>Replacing/upgrading the existing panels and connecting to SCADA improves efficiency, minimizes required maintenance and increases operational flexibility.</li> </ul>						
<b>Consequence of No Action:</b> <ul style="list-style-type: none"> <li>Existing pump station and piping infrastructure would be put at risk for damage due to system surges and could create failures in the pipeline.</li> </ul>						
<b>Criticality:</b> <div style="text-align: center;">▼</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white; text-align: center;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black; text-align: center;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white; text-align: center;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	12					
<b>REQUIRED COMPLETION</b>	2027					
<b>TOTAL ESTIMATED COST</b>	\$1,450,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2026 - 2027	\$1,450,000					



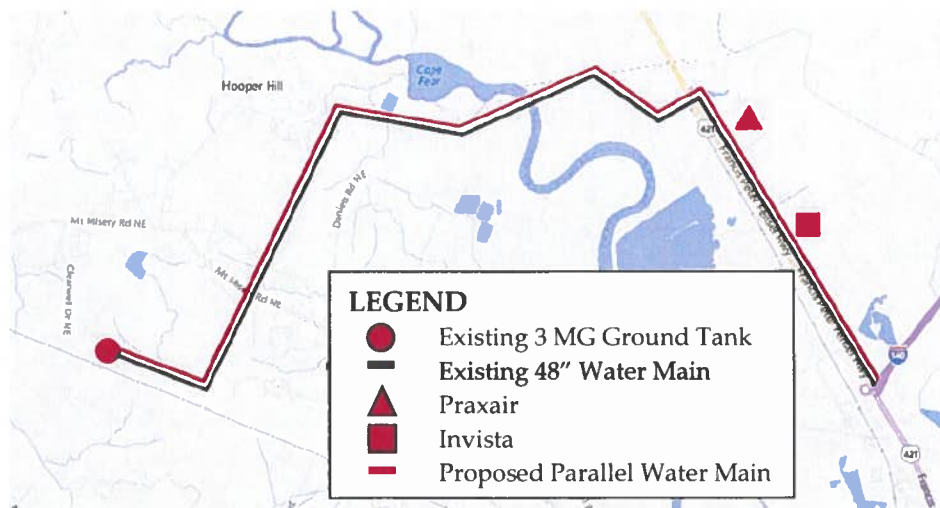
**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	5 ROW Acquisitions		<b>KB 9</b>
<b>CATEGORY OF NEED:</b>	<b>Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
Summary: <ul style="list-style-type: none"> <li>Right-of-Way acquisitions along the existing 48" Raw Water Main from the King's Bluff Pump Station to the 3 MG Ground Tank.</li> </ul>			
Justification: <ul style="list-style-type: none"> <li>Required to access the existing line for maintenance and repairs.</li> </ul>			
Consequence of No Action: <ul style="list-style-type: none"> <li>Lack of maintenance in these sections would increase the likelihood of pipeline failure.</li> <li>Inaccessibility during a pipeline failure would increase the amount of time that the system would be down.</li> </ul>			
Criticality: <p style="text-align: center;">▼</p> <div style="display: flex; justify-content: space-around; width: 100%;"> <span style="background-color: #4F81BD; color: white; padding: 5px;">1</span> <span style="background-color: #FFD700; color: black; padding: 5px;">2</span> <span style="background-color: #C00000; color: white; padding: 5px;">3</span> </div>			
<b>DURATION (MONTHS)</b>	24		
<b>REQUIRED COMPLETION</b>	2028		
<b>TOTAL ESTIMATED COST</b>	\$280,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2026 – 2027	\$140,000		
2027 – 2028	\$140,000		




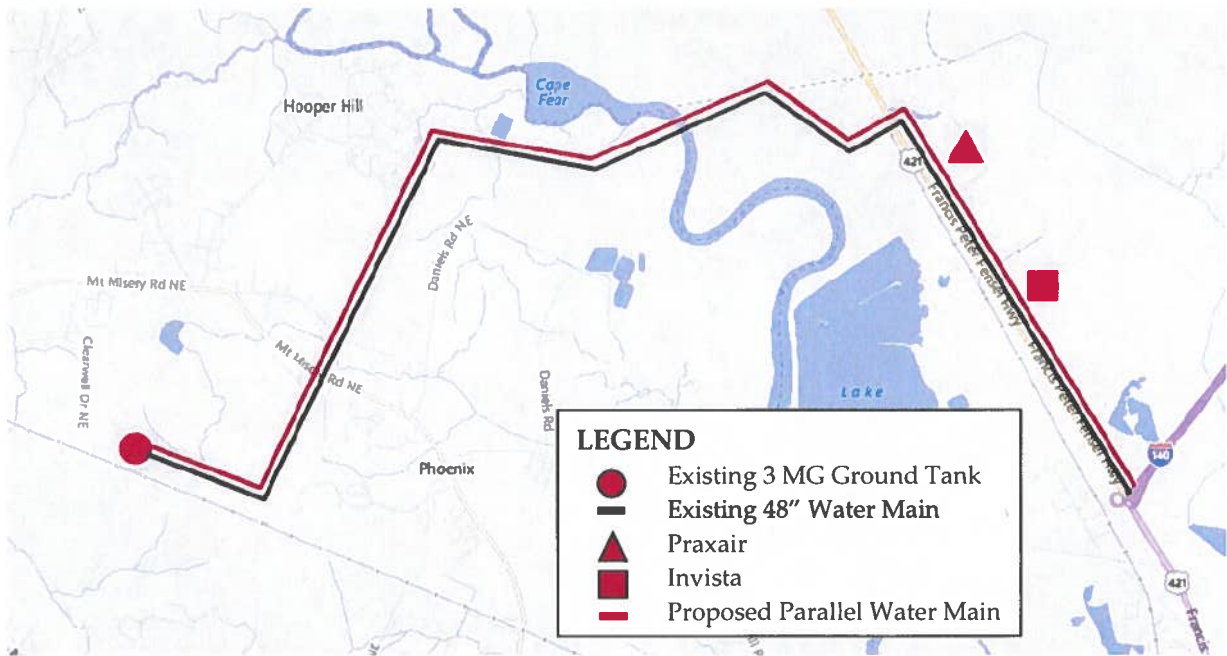
**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	48-Inch PCCP Inspection and Pig-Ground Tank to US-421		<b>KB 10</b>			
<b>CATEGORY:</b>	<b>Renewal/Rehabilitation, Efficiency</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>• Pig 48" pipeline from 3 MG ground tank to CFPUA's Water Treatment Plant including installation of pig launcher/retrieval system. Repair and/or replace air release valves and blow-offs.</li> <li>• Inspection to existing 48-inch PCCP pipe from the existing 3 MG ground tank to US-421.</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>• Pipe and appurtenances require routine inspection, maintenance, and repairs.</li> <li>• Recent evaluation indicated build -up of sediment in the 48" line. Pigging will maintain a clean pipeline free of sediment, silt, and debris.</li> <li>• Improves efficiency of pumps by reducing frictional characteristics of the pipeline</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>• Current loss of capacity and/or clogging due to sediment buildup.</li> <li>• Loss of efficiency and higher electrical costs</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #C0392B; color: white;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	15					
<b>REQUIRED COMPLETION</b>	2029					
<b>TOTAL ESTIMATED COST</b>	\$2,810,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2027 - 2028	\$2,600,000					
2028 - 2029	\$210,000					



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	48-Inch PCCP Repairs		<b>KB 11</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation, Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Repair existing 48" raw water main based on findings from KB 11 – 48-Inch PCCP Inspection from the 3 MG ground tank to US-421</li> </ul>			
<b>Justification:</b> <ul style="list-style-type: none"> <li>Pipe requires routine maintenance, inspection, and repairs.</li> </ul>			
<b>Consequence of No Action:</b> <ul style="list-style-type: none"> <li>Increased risk for pipeline break.</li> </ul>			
<b>Criticality:</b> 			
<b>DURATION (MONTHS)</b>	12		
<b>REQUIRED COMPLETION</b>	2028		
<b>TOTAL ESTIMATED COST</b>	\$1,000,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2027 - 2028	\$1,000,000		




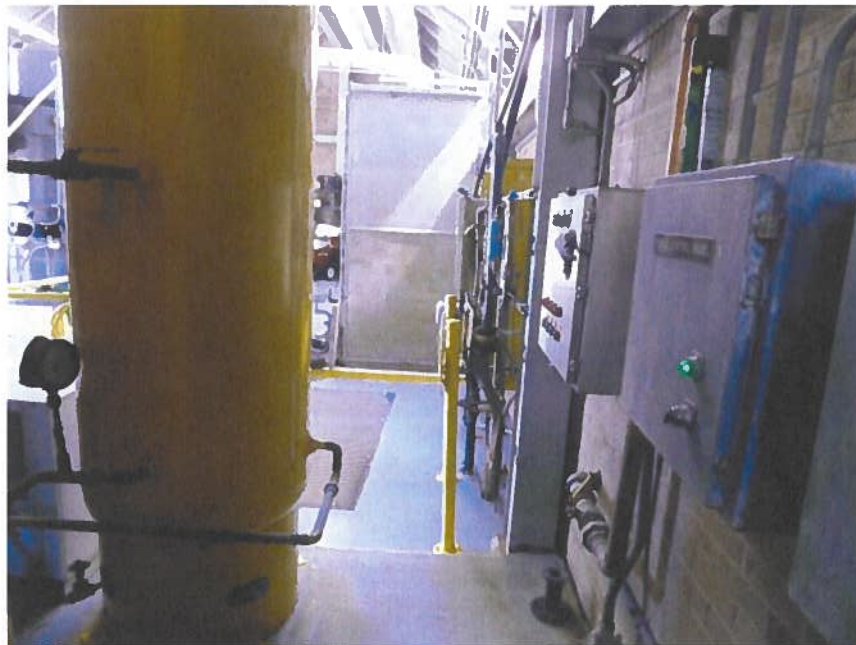
**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	48" PCCP Leak Detection Project		<b>KB 12</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation, Efficiency, Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<p>Summary:</p> <ul style="list-style-type: none"> <li>Begin a Leak Detection Program on the existing 48-inch PCCP pipe that would include an initial assessment and periodic assessments every 5 years or as often as water loss data indicates it is needed.</li> </ul>			
<p>Justification:</p> <ul style="list-style-type: none"> <li>Identifies potential leaks and weak points in the existing line prior to a break or failure</li> </ul>			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Increased risk for a break to occur along the pipeline at some point in the future</li> </ul>			
<p>Criticality:</p> <p style="text-align: center;">▼</p>			
<b>1</b>	<b>2</b>		<b>3</b>
<b>DURATION (MONTHS)</b>	60		
<b>REQUIRED COMPLETION</b>	2029, 2034, 2039, 2044, 2049		
<b>TOTAL ESTIMATED COST</b>	\$1,500,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2028-2029	\$300,000		
2033-2034	\$300,000		
2038-2039	\$300,000		
2043-2044	\$300,000		
2048-2049	\$300,000		



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Surge Tank Control Panel Upgrades		<b>KB-13</b>
<b>CATEGORY OF NEED:</b>	<b>Maintenance, Efficiency</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>• Connection to SCADA and upgrades to the existing control panel for the surge tanks at the King's Bluff Pump Station</li> </ul>			
<b>Justification:</b> <ul style="list-style-type: none"> <li>• Replacing the existing panels with a singular panel and connecting to SCADA improves efficiency, minimizes required maintenance and increases operational flexibility</li> </ul>			
<b>Consequence of No Action:</b> <ul style="list-style-type: none"> <li>• Lack of operational flexibility and continued maintenance of three panels</li> </ul>			
<b>Criticality:</b> 			
<b>1</b>	<b>2</b>		<b>3</b>
<b>DURATION (MONTHS)</b>	12		
<b>REQUIRED COMPLETION</b>	2027		
<b>TOTAL ESTIMATED COST</b>	\$150,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2026-2027	\$150,000		



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Solar Power Study and Installation		<b>KB 13</b>			
<b>CATEGORY OF NEED:</b>	<b>Efficiency/Redundancy</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Complete a solar study to identify solar power plan and installation of solar panels identified in the study to provide an additional power source at the pump station</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Improves reliability and efficiency of the station by providing a redundant power source</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Increased risk for power failure during emergency scenarios</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	24					
<b>REQUIRED COMPLETION</b>	2032					
<b>TOTAL ESTIMATED COST</b>	\$3,000,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2030-2031	\$500,000					
2031-2032	\$2,500,000					



**KING'S BLUFF RAW WATER FACILITIES**

**Kings Bluff Raw Water Facilities  
Capital Improvements  
Cost Sharing Projects  
FY 2026-2027 through FY 2050-2051**

**KING'S BLUFF RAW WATER FACILITIES**

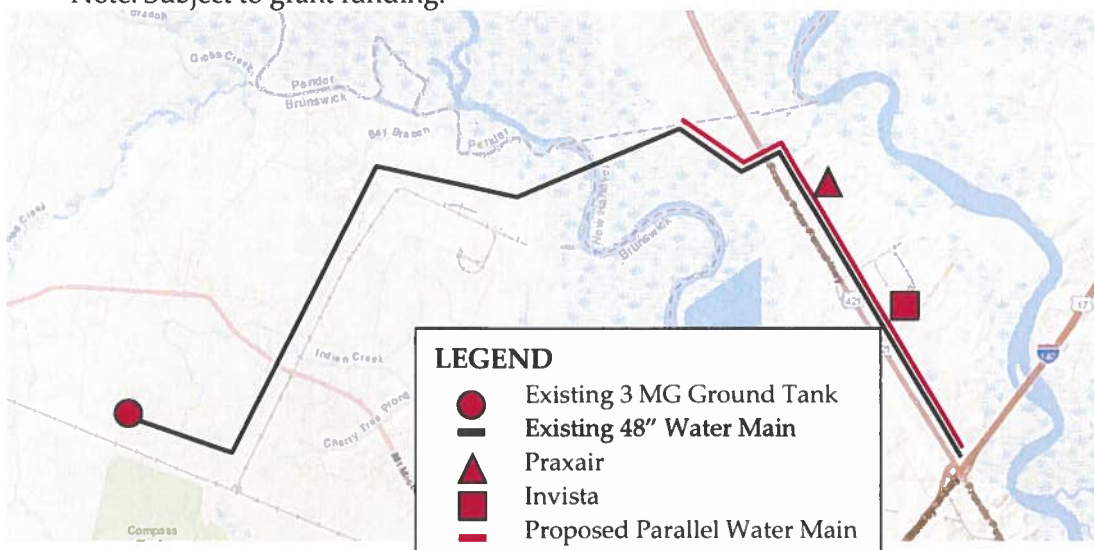
<b>PROJECT TITLE</b>	New 5 <sup>th</sup> Pump (RWP#2) at King's Bluff Raw Water Pump Station		<b>CS 1</b>			
<b>CATEGORY OF NEED:</b>	<b>Capacity</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Provide a fifth raw water pump (RWP#2) at King's Bluff Pumping Station to meet projected demands. (See #2 on legend in graphic below) Projected demands will exceed station firm capacity by 2062.</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Decrease load and run times on existing pumps to extend life and improve reliability.</li> <li>Increase station capacity to meet long term raw water demand.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The projected demands at the station will exceed the firm capacity and the station will not be able to serve the project customer demand.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; background-color: #4F81BD; color: white; text-align: center;">1</td> <td style="width: 33%; background-color: #FFD700; color: black; text-align: center;">2</td> <td style="width: 33%; background-color: #C00000; color: white; text-align: center;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	24					
<b>REQUIRED COMPLETION</b>	2044					
<b>TOTAL ESTIMATED COST</b>	\$9,400,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2041 - 2042	\$2,000,000					
2042 - 2043	\$5,100,000					
2043 - 2044	\$2,300,000					



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	3-Mile Parallel Raw Water Main from 3 MG Pender Vault to CFPUA Vault		<b>CS 2</b>			
<b>CATEGORY OF NEED:</b>	<b>Capacity</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Design and construction of approximately 3-miles of 54-inch raw water main from the Pender County vault to the CFPUA vault. Pipe would parallel the existing 48-inch raw water main in this area.</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Provides additional system capacity.</li> <li>Reduces reliance on intermediate booster pump station.</li> <li>Improves reliability with a parallel main to serve major customers.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The system may not have the capability to meet long-term customer demands.</li> <li>The existing 48-inch main is a single point of failure from the 3 MGD ground tank to the US 421 service area.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
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<b>DURATION (MONTHS)</b>	24					
<b>REQUIRED COMPLETION</b>	2028					
<b>TOTAL ESTIMATED COST</b>	\$17,000,000*					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2026 - 2027	\$8,000,000					
2027 - 2028	\$9,000,000					

\*Note: Subject to grant funding.



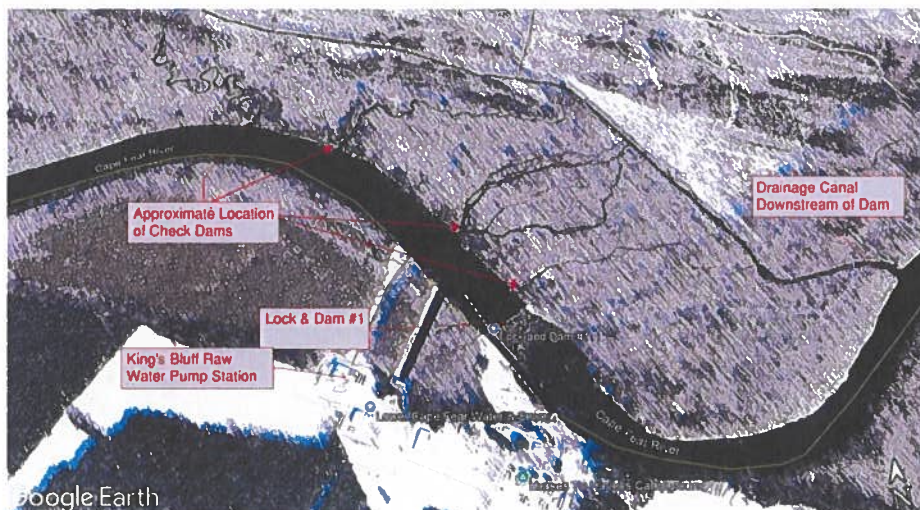
**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	100 MG Reservoir		<b>CS 3</b>			
<b>CATEGORY OF NEED:</b>	<b>Efficiency</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>• Design &amp; construction of a new 100 MG reservoir.</li> <li>• The <i>Ground Storage Reservoir Feasibility Evaluation</i> was drafted by McKim &amp; Creed, Inc. in 2024. Preliminary findings of the report indicate that the optimal location for the reservoir is near the 3 MG tank area (Site 1), southeast of the Brunswick County Northwest Water Treatment Plant (BCNW WTP).</li> </ul>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>• Increase in available system storage.</li> <li>• Allows for temporary redundancy of supply in the case of an emergency (line break, power outage, etc.).</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>• Minimal system storage as system demands continue to increase.</li> <li>• Loss of regular supply under emergency conditions.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: white;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
<b>DURATION (MONTHS)</b>	48					
<b>REQUIRED COMPLETION</b>	2035					
<b>TOTAL ESTIMATED COST</b>	\$81,100,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2027 - 2028	\$100,000					
2028 - 2029	\$880,000					
2033 - 2034	\$8,700,000					
2034 - 2035	\$71,420,000					



**KING'S BLUFF RAW WATER FACILITIES**

<b>PROJECT TITLE</b>	Lock and Dam No. 1 Check Dam Repair/Restoration		<b>CS 4</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<p>Summary:</p> <ul style="list-style-type: none"> <li>Complete a condition assessment and restoration/replacement of the existing wooden check dams along the banks of the Cape Fear River.</li> </ul>			
<p>Justification:</p> <ul style="list-style-type: none"> <li>Several of the check dams along the banks of the Cape Fear River are in poor condition and require restoration/replacement.</li> </ul>			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Failure of check dams would likely re-route the river and subsequently lower the water level at Lock and Dam No. 1 causing a reduction in withdrawal capacity.</li> </ul>			
<p>Criticality:</p>			
<b>1</b>	<b>2</b>		<b>3</b>
<b>DURATION (MONTHS)</b>	48		
<b>REQUIRED COMPLETION</b>	2030		
<b>TOTAL ESTIMATED COST</b>	\$4,300,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2026-2027	\$100,000		
2027-2028	\$1,400,000		
2028-2029	\$1,400,000		
2029-2030	\$1,400,000		



KING'S BLUFF RAW WATER FACILITIES

Annual Fiscal Year Budget Breakdown – Capital Projects (In Millions of Dollars)

Project No.	Description	FY 26- FY 27	FY 27- FY 28	FY 28- FY 29	FY 29- FY 30	FY 30- FY 31	FY 31- FY 32	FY 32- FY 33	FY 33- FY 34	FY 34- FY 35	FY 35- FY 36	FY 36- FY 37	FY 37- FY 38	FY 38- FY 39	FY 39- FY 40	FY 40- FY 41	FY 41- FY 42	FY 42- FY 43	FY 43- FY 44	FY 44- FY 45	FY 45- FY 46	FY 46- FY 47	FY 47- FY 48	FY 48- FY 49	FY 49- FY 50	FY 50- FY 51	Total
KB 1	New 4th Pump at King's Bluff (KBPS)	\$ 3.10	\$ 0.50																								\$ 3.60
KB 2	Rebuild High Service Pump Motor	\$0.50										\$ 0.50															\$ 1.00
KB 3	New Generators				\$0.10	\$ 2.20	\$19.30																				\$21.60
KB 4	Pig 48" Water Main (KBPS to 3 MG Tank)																\$ 2.10										\$ 2.10
KB 5	Pig 54" Water Main										\$ 1.80																\$ 1.80
KB 6	Walkway and Air Backwash Building Replacement	\$ 4.20																									\$ 4.20
KB 7	Replace Raw Water Pumps 1, 4, 5						\$ 4.60						\$ 5.30														\$15.70
KB 8	New Surge Tank at KBPS	\$ 1.45																									\$ 1.45
KB 9	5 ROW Acquisitions	\$ 0.14	\$ 0.14																								\$ 0.28
KB 10	48-inch PCCP Inspection and Pig - Ground Tank to US 421		\$ 2.60	\$ 0.21																							\$ 2.81
KB 11	48-inch PCCP Repairs		\$ 1.00																								\$ 1.00
KB 12	48" PCCP Leak Detection Project			\$ 0.30				\$ 0.30						\$ 0.30													\$ 1.50
KB 13	Solar Power Study and Installation				\$ 0.50	\$ 2.50																					\$ 3.00

Cost Sharing Projects

CS 1	New 5th Pump at King's Bluff																\$ 2.00	\$ 5.10	\$ 2.30								\$ 9.40
CS 2	3-Mile 54" Parallel Raw Water Main	\$ 8.00	\$ 9.00																								\$17.00
CS 3	100 MGD Reservoir		\$ 0.10	\$ 0.88				\$ 8.70	\$71.42																		\$81.10
CS 4	Check Dam Repair/Restoration	\$0.10	\$1.40	\$1.40	\$ 1.40	\$ 0.60	\$ 4.70	\$23.90	\$ 9.00	\$71.42	\$ 1.80	\$ 0.50	\$ 5.30	\$ 0.30	\$ -	\$ 5.80	\$ 4.10	\$ 5.10	\$ 2.60	\$ -	\$ -	\$ -	\$ -	\$ 0.30	\$ -	\$ -	\$4.30
<b>Total Fiscal Year Expenditure</b>		<b>\$17.49</b>	<b>\$14.74</b>	<b>\$ 2.79</b>	<b>\$ 1.40</b>	<b>\$ 0.60</b>	<b>\$ 4.70</b>	<b>\$23.90</b>	<b>\$ 9.00</b>	<b>\$71.42</b>	<b>\$ 1.80</b>	<b>\$ 0.50</b>	<b>\$ 5.30</b>	<b>\$ 0.30</b>	<b>\$ -</b>	<b>\$ 5.80</b>	<b>\$ 4.10</b>	<b>\$ 5.10</b>	<b>\$ 2.60</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 0.30</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$171.60</b>

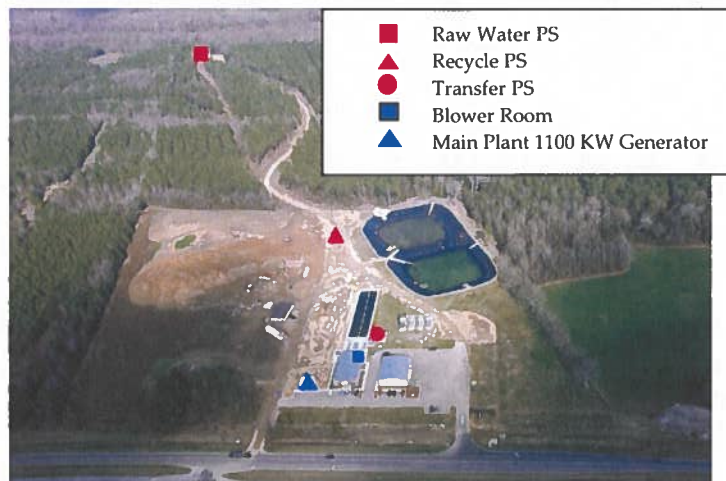
\* Intermediate Booster Pump Station Shelter, Intermediate Booster Pump Station Upgrade and 20 MG Ground Storage Tank Projects are no longer required due to expedited schedules of CS2, CS3 & 7-Mile Parallel Raw Water Main.

BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

**Bladen Bluffs Regional  
Surface Water Treatment Facility  
Capital Improvements Projects  
FY 2026-2027 through FY 2050-2051**

**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Replace Two (2) Pumps at the Raw Water Pump Station	<b>BB 1</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b> <span style="color: red; text-align: center;"><b>Maintenance</b></span>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Routine replacement of two (2) aging pumps at the Raw Water Pumping Station.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>					
<p>Justification:</p> <ul style="list-style-type: none"> <li>Pumps will be approximately 20 years old by 2032 and approaching end of useful service life.</li> </ul>					
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The likelihood of failure of the pumps increases due to age and wear of the existing pump.</li> </ul>					
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #C00000; color: white;">3</td> </tr> </table>			1	2	3
1	2	3			
<b>DURATION (MONTHS)</b>	12				
<b>REQUIRED COMPLETION</b>	2033				
<b>TOTAL ESTIMATED COST</b>	\$480,000				
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>				
2032-2033	\$480,000				



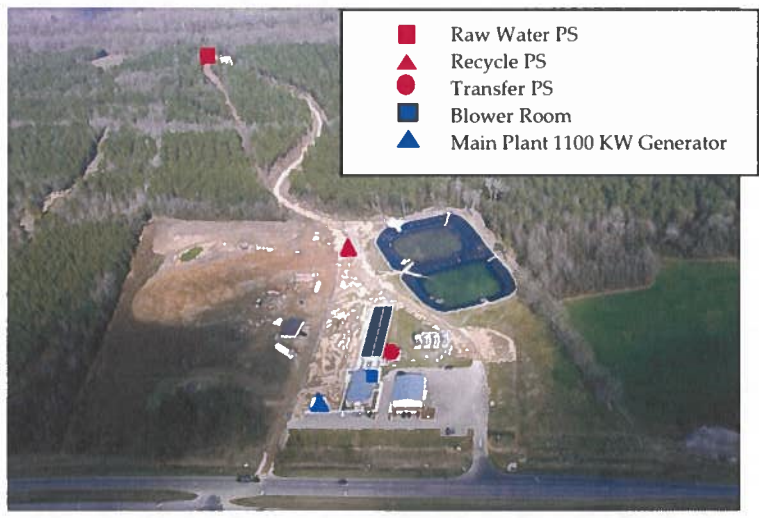
**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Replace Blower in the Blower Building	<b>BB 2</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b> <span style="color: red;"><b>Maintenance</b></span>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Routine replacement of aging blower in blower building.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>					
<p>Justification:</p> <ul style="list-style-type: none"> <li>Blower will be approximately 25 years old by 2032 and approaching end of useful service life.</li> </ul>					
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The likelihood of failure of the blower increases due to age and wear of the existing blower.</li> </ul>					
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>			1	2	3
1	2	3			
<b>DURATION (MONTHS)</b>	12				
<b>REQUIRED COMPLETION</b>	2033				
<b>TOTAL ESTIMATED COST</b>	\$190,000				
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>				
2032-2033	\$190,000				



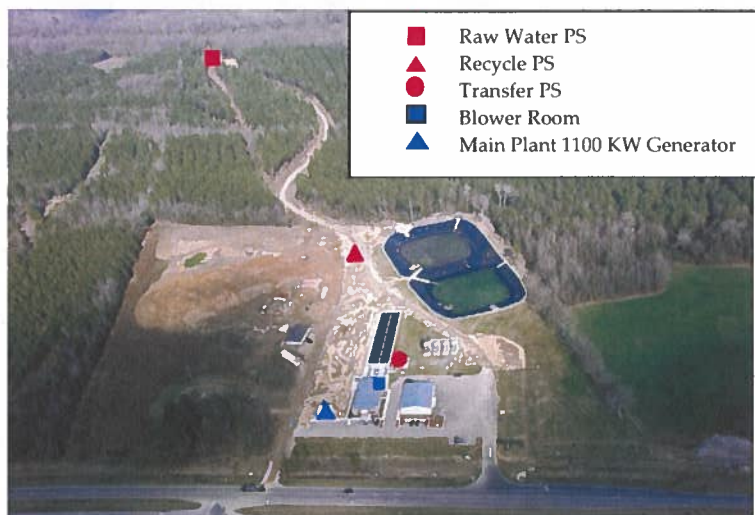
**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Replace Three (3) Pumps at the Recycle Pump Station	<b>BB 3</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b> <span style="color: red;"><b>Maintenance</b></span>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Routine replacement of three (3) aging pumps at the Recycle Pumping Station.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>					
<p>Justification:</p> <ul style="list-style-type: none"> <li>Pumps will be approximately 20 years old by 2032 and approaching end of useful service life.</li> </ul>					
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The likelihood of failure of the pumps increases due to age and wear of the existing pump.</li> </ul>					
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4F81BD; color: white;">1</td> <td style="width: 33%; background-color: #FFD700; color: black;">2</td> <td style="width: 33%; background-color: #C00000; color: white;">3</td> </tr> </table>			1	2	3
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<b>DURATION (MONTHS)</b>	12				
<b>REQUIRED COMPLETION</b>	2036				
<b>TOTAL ESTIMATED COST</b>	\$330,000				
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>				
2035-2036	\$330,000				



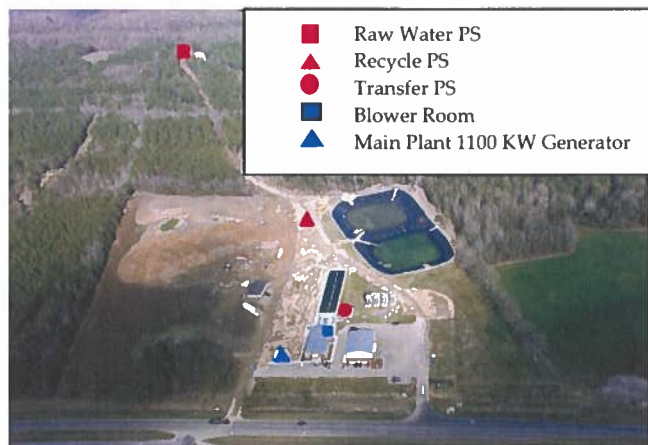
**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Replace Three (3) Pumps at the Transfer Pump Station	<b>BB 4</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b> <span style="color: red;"><b>Maintenance</b></span>
<p>Summary:</p> <ul style="list-style-type: none"> <li>Routine replacement of three (3) aging pumps at the Transfer Pumping Station.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>		
<p>Justification:</p> <ul style="list-style-type: none"> <li>Pumps will be approximately 20 years old by 2032 and approaching end of useful service life.</li> </ul>		
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The likelihood of failure of the pumps increases due to age and wear of the existing pump.</li> </ul>		
<p>Criticality:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <span style="background-color: #4CAF50; padding: 5px;">1</span> <span style="background-color: #FFEB3B; padding: 5px;">2</span> <span style="background-color: #F44336; padding: 5px;">3</span> </div>		
<b>DURATION (MONTHS)</b>	12	
<b>REQUIRED COMPLETION</b>	2036	
<b>TOTAL ESTIMATED COST</b>	\$550,000	
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>	
2035-2036	\$550,000	



**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Replace Two (2) Generators at the Site		<b>BB 5</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Routine replacement of two (2) aging on-site generators.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Facility currently has two (2) generators on-site. Generators will be approximately 25 years old by 2037 and approaching end of service life.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The current generators are undersized to accommodate long term demands.</li> <li>The existing generators are anticipated to become cost prohibitive to maintain.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #C0392B; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
<b>DURATION (MONTHS)</b>	24					
<b>REQUIRED COMPLETION</b>	2038					
<b>TOTAL ESTIMATED COST</b>	\$1,680,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2036-2037	\$460,000					
2037-2038	\$1,220,000					



**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	PLC Upgrades		BB 6			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Routine replacement of aging Programmable Logic Controllers (PLC's).</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>The facility's existing PLC's are past their useful life and are in need of replacement.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Not replacing the existing PLC's could result in a failure which would hinder plant operations by losing critical functionality, loss of alarms, etc.</li> </ul>						
<p>Criticality:</p> <div style="text-align: center;"> <span style="color: green; font-weight: bold;">▼</span> </div> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white; font-weight: bold;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black; font-weight: bold;">2</td> <td style="width: 33%; background-color: #F44336; color: white; font-weight: bold;">3</td> </tr> </table>				1	2	3
1	2	3				
<b>DURATION (MONTHS)</b>		24				
<b>REQUIRED COMPLETION</b>		2036, 2046				
<b>TOTAL ESTIMATED COST</b>		\$600,000				
<b>FISCAL YEAR</b>		<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>				
2035-2036		\$300,000				
2045-2046		\$300,000				



**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	SCADA Upgrades		<b>BB 7</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Routine upgrades to the existing SCADA system.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Routine upgrades to the existing SCADA system on a periodic basis.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Not upgrading the existing SCADA system could result in a failure or security vulnerability which would hinder plant operations by losing critical functionality, loss of alarms, etc.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
<b>DURATION (MONTHS)</b>		24				
<b>REQUIRED COMPLETION</b>		2036, 2046				
<b>TOTAL ESTIMATED COST</b>		\$500,000				
<b>FISCAL YEAR</b>		<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>				
2035-2036		\$250,000				
2045-2046		\$250,000				



**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Intake Screen Walkway		<b>BB 8</b>			
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Replacement of the existing wooden walkway between the intake pump station and the intake screen with a new concrete walkway.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Walkway going from pumping station to intake screen is currently in serviceable condition and will need to be replaced by 2031 due to rotting wood and overall weathering of walkway.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>Deterioration of the walkway could limit access to the raw water intake screen.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;"><b>1</b></td> <td style="width: 33%; background-color: #FFEB3B; color: black;"><b>2</b></td> <td style="width: 33%; background-color: #F44336; color: white;"><b>3</b></td> </tr> </table>				<b>1</b>	<b>2</b>	<b>3</b>
<b>1</b>	<b>2</b>	<b>3</b>				
<b>DURATION (MONTHS)</b>	12					
<b>REQUIRED COMPLETION</b>	2031					
<b>TOTAL ESTIMATED COST</b>	\$300,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2030 - 2031	\$300,000					



BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

**Bladen Bluffs Regional  
Surface Water Treatment Facility  
Bladen Bluffs Expansion Projects  
FY 2026-2027 through FY 2050-2051**

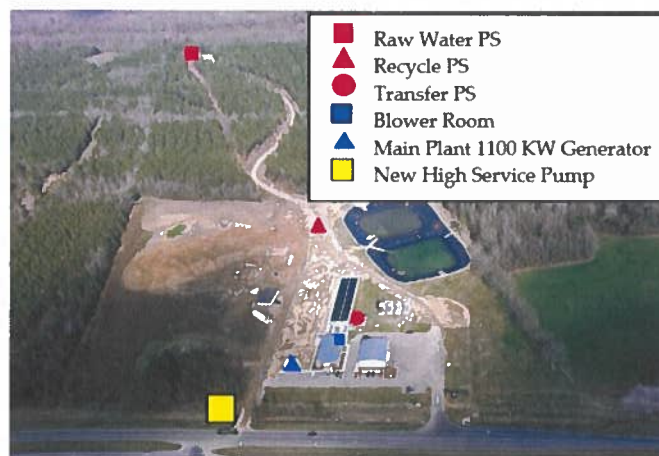
**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Bladen Bluffs Expansion Study		<b>BBE 1</b>
<b>CATEGORY OF NEED:</b>	<b>Capacity</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>
<p>Summary:</p> <ul style="list-style-type: none"> <li>Study to examine an expansion to the treatment plant to serve potential customers in the areas surrounding the plant.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. Should a plant expansion move forward to serve potential customers, SFC would transfer operations to LCF staff.</i></p>			
<p>Justification:</p> <ul style="list-style-type: none"> <li>An expansion of the plant is required to serve new customers. A study would provide an evaluation of the plant and preliminary basis of design for the future expansion of the plant to serve the new customers</li> </ul>			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The existing plant would continue to be operated by SFC. No new customers would be served by the plant.</li> </ul>			
<p>Criticality:</p> <p style="text-align: center;">▼</p>			
<b>1</b>	<b>2</b>		<b>3</b>
<b>DURATION (MONTHS)</b>	12		
<b>REQUIRED COMPLETION</b>	2036		
<b>TOTAL ESTIMATED COST</b>	\$500,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2035-2036	\$500,000		



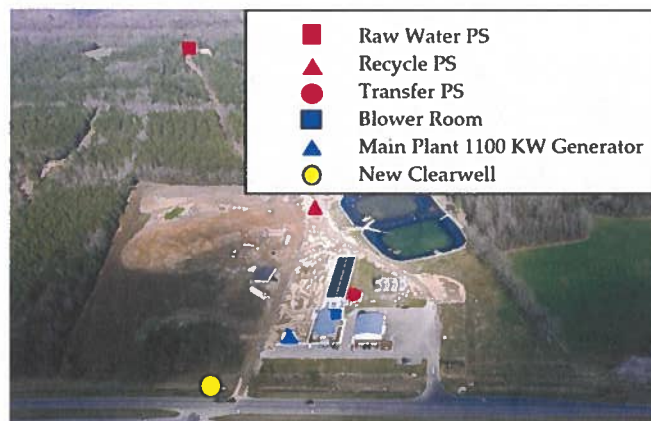
**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	New High Service Pump Station		<b>BBE 2</b>			
<b>CATEGORY OF NEED:</b>	Capacity	<b>EXPENDITURE CATEGORY:</b>	Expansion			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Construct a new high service pumping station to increase capacity.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p>						
<p>Justification:</p> <ul style="list-style-type: none"> <li>Required to serve new customers.</li> <li>Construction of new high service pump station would only be required when additional customers are identified to be served by the Bladen Bluffs Regional Surface Water Treatment Facility.</li> </ul>						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The system will not have the required capacity to meet new customer demands.</li> </ul>						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
<b>DURATION (MONTHS)</b>		24				
<b>REQUIRED COMPLETION</b>		2038				
<b>TOTAL ESTIMATED COST</b>		\$5,740,000				
<b>FISCAL YEAR</b>		<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>				
2036-2037		\$790,000				
2037-2038		\$4,950,000				



**BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY**

<b>PROJECT TITLE</b>	Construct New 1 MG Capacity Clearwell		<b>BBE 3</b>			
<b>CATEGORY OF NEED:</b>	<b>Capacity</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>			
<p>Summary:</p> <ul style="list-style-type: none"> <li>Construct clearwell to meet future customer finished water storage capacity.</li> </ul> <p><i>Note: Currently Smithfield Farmland Company (SFC) provides all operation and maintenance of the Bladen Bluffs Regional Surface Water Treatment Facility. The CIP project described on this sheet would only be required if the LCFWSA assumed full operation of the facility from SFC. Until such time all capital improvements and/or maintenance requirements are solely the responsibility of SFC.</i></p> <p>Justification:</p> <ul style="list-style-type: none"> <li>Required to serve new customers.</li> <li>Clearwell would only be required when additional customers are identified to be served by the Bladen Bluffs Regional Surface Water Treatment Facility.</li> </ul> <p>Consequence of No Action:</p> <ul style="list-style-type: none"> <li>The system will not have the required capacity to meet new customer demands.</li> </ul> <p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
<b>DURATION (MONTHS)</b>	24					
<b>REQUIRED COMPLETION</b>	2038					
<b>TOTAL ESTIMATED COST</b>	\$4,090,000					
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>					
2036-2037	\$790,000					
2037-2038	\$3,300,000					



BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

Annual Fiscal Year Budget Breakdown (In Millions of Dollars)

Project No.	Description	FY 26- FY 27	FY 27- FY 28	FY 28- FY 29	FY 29- FY 30	FY 30- FY 31	FY 31- FY 32	FY 32- FY 33	FY 33- FY 34	FY 34- FY 35	FY 35- FY 36	FY 36- FY 37	FY 37- FY 38	FY 38- FY 39	FY 39- FY 40	FY 40- FY 41	FY 41- FY 42	FY 42- FY 43	FY 43- FY 44	FY 44- FY 45	FY 45- FY 46	FY 46- FY 47	FY 47- FY 48	FY 48- FY 49	FY 49- FY 50	FY 50- FY 51	Total	
<b>Bladen Bluffs Regional Surface Water Facility Capital Projects</b>																												
BB 1	Replace (2) Pumps at Raw Water Pump Station						\$ 0.48																				\$ 0.48	
BB 2	Replace Blower in Blower Building						\$ 0.19																				\$ 0.19	
BB 3	Replace (3) Pumps at the Recycle Pump Station							\$ 0.33																			\$ 0.33	
BB 4	Replace (3) Pumps at the Transfer Pump Station							\$ 0.55																			\$ 0.55	
BB 5	Replace (2) Generators at the Site								\$ 0.46			\$ 1.22															\$ 1.68	
BB 6	PLC Upgrades							\$ 0.30													\$ 0.30						\$ 0.60	
BB 7	SCADA Upgrades							\$ 0.25													\$ 0.25						\$ 0.50	
BB 8	Intake Screen Walkway					\$ 0.30																					\$ 0.30	
<b>Sub-Total Bladen Bluffs Regional Surface Water Facility Capital Projects</b>																												
<b>\$ 4.63</b>																												
<b>Bladen Bluffs Regional Surface Water Facility Expansion Projects</b>																												
BBE 1	Bladen Bluffs Expansion Study							\$ 0.50																				\$ 0.50
BBE 2	New High Service Pump Station								\$ 0.79		\$ 4.95																	\$ 5.74
BBE 3	Construct New 1 MG Capacity Clearwell								\$ 0.79		\$ 3.30																	\$ 4.09
<b>Sub-Total Bladen Bluffs Regional Surface Water Facility Expansion Projects</b>																												
<b>\$10.33</b>																												
<b>Total Fiscal Year Expenditure</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 0.30</b>	<b>\$ -</b>	<b>\$ 0.67</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1.93</b>	<b>\$ 2.04</b>	<b>\$ 9.47</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 0.55</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$14.96</b>

**APPENDIX A – TOTAL ANNUAL FISCAL  
YEAR BUDGET**

Item	Total Annual Fiscal Year Budget Breakdown												Totals
	FY 2026 - FY 2027	FY 2027 - FY 2028	FY 2028 - FY 2029	FY 2029 - FY 2030	FY 2030 - FY 2031	FY 2031 - FY 2032	FY 2032 - FY 2033	FY 2033 - FY 2034	FY 2034 - FY 2035	FY 2035 - FY 2036			
ROW Maintenance	\$ 75,000	\$ 75,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,350,000
SCADA Improvements	\$ 200,000											\$ 175,000	\$ 375,000
Anti-Vortexing Improvements	\$ 50,000	\$ 50,000											\$ 100,000
Meter and Valve Upgrades/Replacements	\$ 290,000			\$ 150,000									\$ 150,000
VFD Replacements	\$ 750,000		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 290,000
Renewal and Replacement Transfer Vehicle for Main Office	\$ 60,000												\$ 60,000
Miscellaneous	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 500,000
<b>Total Operations Annual Fiscal Year Expenditure</b>	<b>\$ 1,475,000</b>	<b>\$ 1,750,000</b>	<b>\$ 700,000</b>	<b>\$ 850,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 875,000</b>	<b>\$ 7,575,000</b>
<b>CAPITAL PROJECTS BUDGET</b>													
KB1 - New 4th Pump at King's Bluff (KBPS)	\$ 3,100,000	\$ 500,000											\$ 3,600,000
KB2 - Rebuild/Refurbish 1600 HP RWPH3 & 4	\$ 500,000				\$ 100,000	\$ 2,200,000	\$ 19,300,000						\$ 21,600,000
KB3 - New Generators													\$ 1,800,000
KB5 - Pig 54" Water Main Replacement	\$ 4,200,000												\$ 4,200,000
KB6 - Walkway and Air Backwash Building Replacement							\$ 4,600,000						\$ 4,600,000
KB7 - Replace Raw Water Pumps 1, 4, 5	\$ 1,450,000												\$ 1,450,000
KB8 - New Surge Tank at KBPS	\$ 140,000	\$ 140,000											\$ 280,000
KB9 - 5 ROW Acquisitions		\$ 2,600,000	\$ 210,000										\$ 2,810,000
KB10 - 48-Inch PCCP Inspection and Pig - Ground Tank to US421		\$ 1,000,000											\$ 1,000,000
KB11 - 48-Inch PCCP Repairs			\$ 300,000					\$ 300,000					\$ 600,000
KB12 - 48-Inch Leak Detection Project				\$ 500,000	\$ 2,500,000								\$ 3,000,000
KB13 - Solar Power Study and Installation	\$ 8,000,000	\$ 9,000,000											\$ 17,000,000
CS2 - 3-Mile 48" Parallel Raw Water Main	\$ 100,000	\$ 1,400,000	\$ 880,000									\$ 71,420,000	\$ 81,100,000
CS3 - 100 MGD Reservoir	\$ 100,000	\$ 1,400,000	\$ 1,400,000										\$ 4,300,000
CS4 - Check Dam Repair/Restoration	\$ 17,490,000	\$ 11,140,000	\$ 6,180,000	\$ 1,610,000	\$ 100,000	\$ 2,700,000	\$ 21,800,000	\$ 13,600,000	\$ 71,420,000	\$ 1,800,000	\$ 700,000	\$ 72,295,000	\$ 147,840,000
<b>Total Capital Annual Fiscal Year Expenditure</b>	<b>\$ 18,965,000</b>	<b>\$ 11,315,000</b>	<b>\$ 6,880,000</b>	<b>\$ 2,460,000</b>	<b>\$ 800,000</b>	<b>\$ 3,400,000</b>	<b>\$ 22,500,000</b>	<b>\$ 14,300,000</b>	<b>\$ 72,295,000</b>	<b>\$ 2,500,000</b>	<b>\$ 700,000</b>	<b>\$ 72,295,000</b>	<b>\$ 155,415,000</b>