

**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**9:00 a.m. – Regular Monthly Board Meeting**  
**June 16, 2025**

**MEETING CALL TO ORDER:** Chairman DeVane

**INVOCATION**

**PLEDGE OF ALLEGIANCE**

**APPROVAL OF CONSENT AGENDA**

- C1** – Minutes of May 12, 2025, Regular Board Meeting
- C2** – Minutes of May 12, 2025, Finance Committee Meeting
- C3** – Kings Bluff Monthly Operations and Maintenance Report
- C4** – Bladen Bluffs Monthly Operations and Maintenance Reports
- C5** – Line-Item Adjustment for April 30, 2025

**OLD BUSINESS**

- OB1** – Finance Committee Recommended Budget for Fiscal Year 2025-2026

**ENGINEER'S COMMENTS**

**ATTORNEY COMMENTS**

**EXECUTIVE DIRECTOR REPORT**

- EDR1** – Comments on Customers' Water Usage and Raw Water Revenue for Fiscal Year to Date Ending May 31, 2025
- EDR2** – Operating Budget Status, Ending April 30, 2025
- 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, July 14<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 DEVANE AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: June 16, 2025

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 May 12, 2025, Regular Board Meeting
- C2** – Minutes of May 12, 2025, Finance Committee Meeting
- C3** – Kings Bluff Monthly Operations and Maintenance Report
- C4** – Bladen Bluffs Monthly Operations and Maintenance Report for March and April
- C5** – Line-Item Adjustment for April 30, 2025

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

Lower Cape Fear Water & Sewer Authority  
Regular Board Meeting Minutes  
May 12<sup>th</sup>, 2025

Chairman DeVane called to order the Authority meeting scheduled on May 12<sup>th</sup>, 2025, 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 Phillips gave the invocation.

**Roll Call by Chairman DeVane:**

**Present:** Damien Buchanan, Patrick DeVane, Wayne Edge, Jerry Groves, Harry Knight, Al Leonard, Scott Phillips, Charlie Rivenbark, Chris Smith, Bill Sue, Phil Tripp, Frank Williams, and Rob Zapple

**Present by Virtual Attendance:** Bill Saffo

**Absent:** None

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

**Guests Present:** Devon Moore, Computer Warriors; Kevin Morris, Cape Fear Public Utility Authority Deputy Director; Ken Waldroup, Cape Fear Public Utility Authority Executive Director; Glenn Walker, Brunswick County Water Resources Manager; Sean Kenyon, McKim & Creed Senior Project Engineer; and David Fournier, HDR Construction Services

**Guests Virtual Attendance:** James Proctor, Pender County Utilities Deputy Director; Jason Cook P.E. HDR Inc; David Carson, Brunswick County Kings Bluff Water Resource Supervisor; John Nichols, Brunswick County Public Utilities Director; Eileen Callori, Brunswick County Deputy Finance Officer

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

**APPROVAL OF CONSENT AGENDA**

**C1 – Minutes of April 14, 2025, Regular Board Meeting**

**C2 – Minutes of April 14, 2025, Long Range Planning Committee Meeting**

**C3 – Kings Bluff Monthly Operations and Maintenance Report**

**C4 – Bladen Bluffs Monthly Operations and Maintenance Reports**

**C5 – Retainer for General Counsel Services Agreement: Matthew Nichols, Attorney at Law**

**C6 – Line-Item Adjustment for March 31, 2025**

**C7 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**

**C7 B – Retainer for Engineering Services Agreement: McKim & Creed in the amount of \$34,800 for Fiscal Year 2025-2026**

**Motion:** Director Zapple **MOVED**; seconded by Director Williams, approval of the Consent Agenda Items C1-C7B. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**PUBLIC HEARING: PRESENTED DRAFT BUDGET FOR THE FISCAL YEAR 2025-2026 BUDGET AND BUDGET ORDINANCE:**

**Motion to open Public Hearing per North Carolina General Statute Section 159-12**

**Motion:** Director Leonard **MOVED**; seconded by Director Williams, to open Public Hearing. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NB1- Finance Committee Comments and Review of Draft Recommended Budget for the Fiscal Year 2025-2026 (Finance Committee Chairman Patrick DeVane)**

Executive Director Holloman reviewed essential cost items for the FY 2025-2026 draft budget. Our customers have projected using 10,519,390 gallons of water for an estimated revenue of 5.1 million. Health insurance ends with

NCLM on June 30, 2025, and we will go with Blue Cross Blue Shield with a savings of \$10,000. The property and liability insurance expenses will increase by 8%. State retirement will increase from 13.6% to 14.85%. LCFWASA will purchase a fourth pump through either state appropriation, financing, or partner contribution for the Kings Bluff Plant. We will have Pay-Go for the Air Backwash and Walkway for \$4,200,000. Rates will increase by 0.04 to 0.48 from the current .44, as recommended by the rate forecast needed for the Master Plan. The FY 2025-2026 budget is a 31% increase from the FY2024-2025 budget due primarily to operating capital expenses, building the R & R Fund, and the Parallel Line Project. No written or public comments were received regarding the Draft Budget and Budget Ordinance for Fiscal Year 2025–2026.

**Motion to close Public Hearing per North Carolina General Statute Section 159-12**

**Motion:** Director Rivenbark **MOVED**; seconded by Director Knight, to close Public Hearing. Upon voting, the **MOTION CARRIED UNANIMOUSLY.**

**NEW BUSINESS**

**NB2- Appointment of Jerry Groves to the Calendar Year 2025 Personnel Committee and Finance Committee by Chairman DeVane**

**Motion:** Director Leonard **MOVED**; seconded by Director Phillips, approval of the Appointment of Jerry Groves to the Calendar Year 2025 Personnel Committee and Finance Committee by Chairman DeVane. Upon voting, the **MOTION CARRIED UNANIMOUSLY.**

**ENGINEER'S COMMENTS**

No comments

**ATTORNEY COMMENTS**

No comments

**EXECUTIVE DIRECTOR REPORT**

**EDR1 – Comments on Customers' Water Usage and Raw Water Revenue for Fiscal Year to Date Ending March 31, 2025**

Executive Director Holloman reported that during March, CFPUA exceeded projections.

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

No comments.

**PUBLIC COMMENT**

No comments.

**ADJOURNMENT**

There being no further business, Chairman DeVane adjourned the meeting at 9:15 a.m.

Respectfully Submitted:

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Al Leonard, Secretary

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**Lower Cape Fear Water & Sewer Authority**

Finance Committee Meeting Minutes

May 12, 2025

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Chairman DeVane called to order the Finance Committee Meeting on May 12, 2025, at 8:33 a.m. The meeting was held at the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.

**Present:** Patrick DeVane, Jerry Groves, Harry Knight, Scott Phillips, and Scott Phillips

**Absent:** Al Leonard

**Present by Virtual Attendance:** None

**Staff:** Tim H. Holloman, Executive Director; Matthew Nichols, General Counsel; Sam Boswell, COG; and Danielle Hertzog, Financial Administration Assistant

**Guests Present:** Devon Moore, Computer Warriors; Director Damien Buchanan; and Director Bill Sue

**Guests Virtual Attendance:** None

**PowerPoint for Annual Budget Fiscal Year 2025-2026**

Executive Director Holloman reviewed essential cost items for the FY 2025-2026 draft budget. Our customers have projected using 10,519,390 gallons of water for an estimated revenue of 5.1 million. Health insurance ends with NCLM on June 30, 2025, and we will go with Blue Cross Blue Shield with a savings of \$10,000. The property and liability insurance expenses will increase by 8%. State retirement will increase from 13.6% to 14.85%. LCFWASA will purchase a fourth pump through either state appropriation, finance, or partner contribution for the Kings Bluff Plant. We will have Pay-Go for the Air Backwash and Walkway for \$4,200,000. Rates will increase by 0.04 to 0.48 from the current .44, as recommended by the rate forecast needed for the Master Plan. The FY 2025-2026 budget is a 31% increase from the FY2024-2025 budget due primarily to operating capital expenses, building the R & R Fund, and the Parallel Line Project.

**Motion:** Director Phillips **MOVED**; seconded by Director Rivenbark, to recommend the Fiscal Year 2025-2026 budget to the entire board. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**ADJOURNMENT**

There being no further business, Chairman DeVane adjourned the meeting at 8:38 a.m.

Respectfully Submitted,

\_\_\_\_\_  
Tim Holloman, Executive Director

*The next Finance Committee Meeting of the Lower Cape Fear Water & Sewer Authority is TBD at the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.*

**BRUNSWICK COUNTY PUBLIC UTILITIES**

Kings Bluff Pump Station/LCFWASA

246 Private Rd. 703

Riegelwood, NORTH CAROLINA 28456

MAILING ADDRESS  
P. O. Box 249  
BOLIVIA, NORTH CAROLINA 28422

TELEPHONE (910) 655-4799  
FAX (910) 655-4798

**TO: Tim Holloman****FROM: David Carson****DATE: 6/1/2025****SUBJECT: Monthly maintenance report for May 2025**

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**Mr. Holloman,**

The Maintenance and Operations of the King's Bluff facility (KB) for the month of May were performed as prescribed in the station SOP'S and other items are as follows. 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 ready.

KB personnel completed all locates issued by the Boss 811 system.

KB personnel painted all doors, blow off, and pig launcher at Kings Bluff pump station.

KB personnel power washed Diesel storage tanks.

KB personnel replaced the motor and fan belt on exhaust fan in pump room 1.

KB personnel continued valve exercising behind Kings Bluff.

KB personnel drained vaults of water and sediment.

KB personnel painted piping on Diesel storage tanks.

KB personnel replaced batteries on Generator #1 & #2 as per Preventive Maintenance procedure.

KB personnel assisted Power Generation with the Annual service of pumps and generators.

KB personnel installed 48" and 54" water line markers along entire length of right of way.

KB personnel installed new edge of right of way markers.

**Contractors:**

O'Brien HVAC installed contactors in unit.

Power Generation serviced all generators and Three (3) pumps at Kings Bluff Rt. 421 & Raw Tank.

Underwood Pump delivered spare cooling coil.

LJ's Land management cut Kings Bluff and Authority property.

HDA Insulation.

CRUCO delivered compressor oil.

ComAp and Current edge solutions

David Carson



To: Tim Holloman - LCFWASA

From: James Kern – Bladen Bluffs SWTP ORC

Date: 6/5/25

Subject: May 2025 Operations

During the month of May, Bladen Bluffs SWTP operated a total of 16 days, treating 50.70 million gallons of water.

We used:

34,143 lbs. of aluminum sulfate (Alum)

9,564 lbs. of sodium hydroxide (Caustic)

1,251 lbs. of sodium hypochlorite (2,512 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: 5/5/2025

### ISSUE:

### PLAN OF ACTION:

All PLC need updated	Quote received – In Discussion
Vault intrusion electrical needs replaced	Parts ordered
Corrosion on column in chemical building	Will repair after leaking hose is replaced
Electrical Issue in Pipe Gallery	Temp FIXED, quote approved to reroute electric
Wooden walkway to river needs replacement	Planning with LCF
Leak on CL2 truck fill outside	Scheduled to repair
Transfer pump #2 NA	Bad wire – temp fix. Working on permanent
Need screens on alum outdoor overflow pipe	Scheduling

Highlighted items are items noted on annual engineer inspection.



# Monthly Operating Reports (MORs) Summary

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

Year: 2025 PWS Name: Bladen Bluffs Water System PWSID#: NC5009012  
 Month: May Facility Name: Bladen Bluff

## Combined Filter Effluent (CFE) Turbidity

Samples exceeding 1 NTU (count):	<u>0</u>	Number of samples required:	<u>87</u>
Samples exceeding .3 NTU (count):	<u>0</u>	Number of samples taken:	<u>87</u>
Samples exceeding .3 NTU (pct):	<u>0.0%</u>	Highest single turbidity reading NTU:	<u>0.157</u>
		Monthly average turbidity NTU:	<u>0.066</u>

## Individual Filter Effluent (IFE) Turbidity

1) Was each filter <u>continuously</u> monitored for turbidity?	Yes	<u>X</u>	No	<u></u>
2) Was each filter's monitoring results <u>recorded every 15 minutes</u> ?	Yes	<u>X</u>	No	<u></u>
3) Was there a failure of the continuous turbidity monitoring equipment?	Yes	<u></u>	No	<u>X</u>
4) Was any individual filter turbidity level > 1.0 NTU in two consecutive measurements ?	Yes	<u></u>	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	<u></u>	No	<u>X</u>
6) Was any individual filter turbidity level > 1.0 NTU in two consecutive measurements in each 3 consecutive months ?	Yes	<u></u>	No	<u>X</u>
7) Was any individual filter turbidity level > 2.0 NTU in two consecutive measurements in 2 consecutive months ?	Yes	<u></u>	No	<u>X</u>

## Entry Point Residual Disinfectant Concentration (EPRD)

Disinfectant Used	<u>Chlorine</u>	Number of samples required	<u>87</u>
Minimum EPRD concentration	<u>0.5000</u>	Number of samples taken	<u>87</u>

## Distribution Residual Disinfectant Concentration

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

Lowest CT ratio reading	<u>14.90</u>	Number of CT ratios required	<u>16</u>
Number of CT ratios below 1.0	<u>0</u>	Number of CT ratios calculated	<u>16</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 May, 2025 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: James Kern

CERTIFICATE GRADE: A - Surface

CERTIFICATE NUMBER: 120147

**CONSENT AGENDA (C5)****Lower Cape Fear Water & Sewer Authority**

**CONSENT ITEM-** Background: Line-Item adjustments are made to align revenues and expenditures more closely to actuals without exceeding or decreasing the approved or amended budget.

**LINE-ITEM ADJUSTMENTS FOR 04/30/2025**

<b>Operating Fund:</b>	<b>Line-Item Budget Amount prior to Adjustment</b>	<b>Decrease</b>	<b>Increase</b>	<b>Budget Amount as of 04/30/2025</b>
<b>Expenses</b>				
4048-01 Engineer	\$117,000	\$(30,000)		\$87,000
4070-01 Travel and Training	\$29,000		\$4,500	\$33,500
4081-01 Dues & Subscription	\$14,500		\$500	\$15,000
4501-01 Sales Tax Expense	\$125,000		\$25,000	\$150,000
<b>Total</b>	<b>\$ 285,500</b>	<b>\$(30,000)</b>	<b>\$30,000</b>	<b>\$ 285,500</b>

## **AGENDA ITEM**

To: CHAIRMAN DEVANE AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: June 16, 2025

Re: FY 2025-2026 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 2025-2026 Budget as presented during the Public Hearing on May 12, 2025, for adoption on June 16, 2025. No written comments have been received as of publication of this agenda.

**Action Requested:** Motion to Approve or Disapprove

# ANNUAL BUDGET

Fiscal Year 2025 - 2026



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

## AUTHORITY BOARD OF DIRECTORS

PATRICK DEVANE, CHAIRMAN  
SCOTT PHILLIPS, VICE-CHAIRMAN  
AL LEONARD, SECRETARY  
CHARILE RIVENBARK, TREASURER  
JERRY GROVES, ASSISTANT TREASURER  
DAMIEN BUCHANAN  
WAYNE EDGE  
HARRY KNIGHT  
BILL SAFFO  
CHRIS SMITH  
WILLIAM SUE  
PHIL TRIPP  
FRANK WILLIAMS  
ROB ZAPPLE

BLADEN COUNTY  
BRUNSWICK COUNTY  
COLUMBUS COUNTY  
CITY OF WILMINGTON  
PENDER COUNTY  
PENDER COUNTY  
BLADEN COUNTY  
NEW HANOVER 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 16, 2025

Chairman Devane and Directors:

I am pleased to present the FY 2025-2026 Budget for the Lower Cape Fear Water and Sewer Authority for your review and consideration. The enclosed FY 25-26 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 12, 2025, 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 21, 23, 27, 30, May 4, and May 7, 2025, 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 545,634 in 2022. This represents a 20% increase in the number of people served by the Authority's customers.

## **FY 24-25 ACCOMPLISHMENTS**

Construction on the 10-mile parallel line project began in late February and is made possible by partner, State Revolving loan funds, and other funding to advance the project schedule and maximize its benefits.

Engaged Electus as the Authority's Lobbyist.

Continue work on land acquisition for the Reservoir.

Working to update the long-range demand requirements for the region.

Began design on the Air backwash and Walkway 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 2024-2025 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 25-26 is \$1,115,000 to be paid in December 2025. 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 25-26, Smithfield's expenditure on the operation of the Bladen Bluffs Regional Water Treatment Plant is expected to be \$5,670,086.

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 25-26, the projected water revenues reflect an increase of 6% over the FY 24-25 projections. The projected water demand for FY 25-26 is 10.51 billion gallons or 28.82 million gallons per day (mgd). By Board approval, the raw water

rate increases in FY 25-26 to \$0.4800 per 1,000 gallons for governmental partners and to \$0.70 for Industrial customers. This rate and the projected flow will generate \$5,102,107 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 25-26, Brunswick County's Operations and Maintenance costs remained the same at \$736,811.

In FY 25-26, the cost of operating the Kings Bluff Pump Station is \$13,240,918. \$10,851,000 million in capital funds will be expended for various projects, with approximately \$4,200,000 on the air backwash and walkway replacement and 5,800,000 on the fourth pump. \$30,000,000 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 25-26. The balance of this fund is \$511,049. 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 25-26.



## 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 2025-2026

### Lower Cape Fear Water & Sewer Authority

**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, 2025, and ending June 30, 2026:

#### APPROPRIATIONS

<b>Administration</b>	\$1,103,756
<b>Operating Expenses</b>	
Sales Tax Expense	150,000
Operating Capital Expense	10,851,000
Bladen Bluffs Expense	3,821,385
Utilities/Energy – Kings Bluff Pump Station	778,052
O&M Expense – Kings Bluff	736,811
Transfer to R&R - Kings Bluff R&R Expense	0
Transfer to Enterprise	0
Series 2010 Revenue Bond-Principal Expense (BB)	1,115,000
Series 2010 Revenue Bond-Interest Expense (BB)	480,000
SRF/ARPA	<u>30,000,000</u>

<b>TOTAL APPROPRIATIONS</b>	<u><u>\$49,036,004</u></u>
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Section 2: It is estimated the following revenues will be available in the **Operating General Fund** for the fiscal year beginning July 1, 2025, and ending June 30, 2026:

#### REVENUES

##### Operating Revenues

Brunswick County	\$2,621,733
Cape Fear Public Utility Authority	2,022,934
Pender County	289,440
Hwy 421	140,000
Praxair	35,200
Bladen Bluffs Revenue	5,670,183
Bladen Bluffs Admin Reimbursement	133,823
Sales Tax Refund	159,988

##### Non-Operating Revenues

Interest	200,000
Other Revenue	0
Bladen Bluffs FEMA Admin Reimbursement	0
Renewal and Replacement Fund Appropriated	0
SRF/ARPA	<u>37,762,703</u>

<b>TOTAL REVENUES</b>	<u><u>49,036,004</u></u>
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Section 3: The Board of Directors of the Lower Cape Fear Water & Sewer Authority hereby establishes a raw water rate of \$0.4800/.70 per 1,000 gallons as of July 1, 2025, 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, 2025, and ending June 30, 2026:

**APPROPRIATIONS**

Operating General Fund – Appropriated for Future Expenditures	\$ 4,634,277
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 4,634,277</b>

Section 5: It is estimated the following revenue will be available in the **Operating General Fund** for the fiscal year beginning July 1, 2025, and ending June 30, 2026:

**REVENUES**

Operating General Fund - Fund Balance	\$ 4,634,277
<b>TOTAL ESTIMATED REVENUES</b>	<b>\$ 4,634,277</b>

Section 6: The following amount is hereby appropriated in the **Enterprise Fund** for the fiscal year beginning July 1, 2025, and ending June 30, 2026:

**APPROPRIATIONS**

Enterprise Fund - Reserve for Future Expenditures	\$ 512,256
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 512,256</b>

Section 7: It is estimated the following revenue will be available in the **Enterprise Fund** for the fiscal year beginning July 1, 2025, and ending June 30, 2026:

**REVENUES**

Enterprise Fund - Fund Balance Appropriated	\$ 512,256
<b>TOTAL ESTIMATED REVENUES</b>	<b>\$ 512,256</b>

Section 8: The following amounts are hereby appropriated in the **Renewal and Replacement Fund (R&R)** for the fiscal year beginning July 1, 2024, and ending June 30, 2025:

**APPROPRIATIONS**

R&R - Reserve for Future Expenditures	\$ 2,038,701
R&R - Kings Bluff R&R Expense	0
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 2,038,701</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, 2025, and ending June 30, 2026:

**REVENUES**

R&R - Fund Balance Appropriated	\$ 2,038,701
Transfer In from Operating Fund	0
<b>TOTAL ESTIMATED REVENUES</b>	<b>\$ 2,038,701</b>

Section 10: The following amount is hereby appropriated in the **Right of Way Maintenance Fund** for the fiscal year beginning July 1, 2025, and ending June 30, 2026:

**APPROPRIATIONS**

Right of Way Fund - Reserve for Future Expenditures	\$	281,507
<b>TOTAL APPROPRIATIONS</b>	<b>\$</b>	<b>281,507</b>

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, 2025, and ending June 30, 2026:

**REVENUES**

ROW - Fund Balance Appropriated	\$	281,507
<b>TOTAL ESTIMATED REVENUES</b>	<b>\$</b>	<b>281,507</b>

**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 16<sup>th</sup> day of June 2025**

\_\_\_\_\_  
Patrick DeVane, Chairman

ATTEST:

\_\_\_\_\_  
Al Leonard, Secretary

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

ACCOUNT NO	REVENUES	FY 23-24 APPROVED BUDGET	FY 23-24 ACTUALS	FY 24-25 AMENDED BUDGET	FY 24-25 ACTUAL 04/30/2025	PROPOSED FY 25-26 BUDGET		FY 25-26 TOTAL COMBINED BUDGET
						KINGS BLUFF	BLADEN BLUFFS	
	OPERATING							
3001-01	Brunswick County	\$ 1,923,193	\$ 2,092,732	\$ 2,522,662	\$ 1,919,536	\$ 2,621,733	\$ -	\$ 2,621,733
3002-01	Cape Fear Public Utility Authority	\$ 1,652,562	\$ 1,706,436	\$ 1,835,996	\$ 1,515,676	\$ 2,022,934	\$ -	\$ 2,022,934
3003-03	Pender County	\$ 234,160	\$ 245,752	\$ 256,344	\$ 203,424	\$ 289,440	\$ -	\$ 289,440
3004-01	Stepan/Invista	\$ 110,000	\$ 121,448	\$ 176,000	\$ 154,862	\$ 140,000	\$ -	\$ 140,000
3005-01	Praxair, Inc	\$ 15,784	\$ 19,156	\$ 35,200	\$ 19,622	\$ 35,200	\$ -	\$ 35,200
3006-01	Bladen Bluffs Reimbursement for Plant Operation Costs	\$ 5,615,603	\$ 5,703,114	\$ 5,570,183	\$ 4,033,306	\$ -	\$ 5,670,086	\$ 5,670,086
3006-02	Bladen Bluffs Administrative Reimbursement	\$ 158,754	\$ 158,754	\$ 119,988	\$ 139,323	\$ 133,823	\$ -	\$ 133,823
3007-01	Sales Tax Refund	\$ 100,000	\$ 106,041	\$ 115,234	\$ 116,124	\$ 34,988	\$ 135,000	\$ 159,988
	Subtotal	\$ 9,810,056	\$ 10,153,433	\$ 10,631,607	\$ 8,101,873	\$ 5,278,118	\$ 5,805,086	\$ 11,073,204
	Non-Operating							
3105-01	Interest	\$ 9,716	\$ 130,862	\$ 154,188	\$ 197,025	\$ 200,000	\$ -	\$ 200,000
3120-01	Other Revenue (Insurance Proceeds/Refunds/FEMA)	\$ -	\$ 729	\$ -	\$ -	\$ -	\$ -	\$ -
3125-01	Federal Tax Subsidy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3156-00	Rental House Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3170-01	Transfer In	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3900-01	Renewal and Replacement Fund Appropriated	\$ -	\$ -	\$ 104,534	\$ -	\$ -	\$ -	\$ -
3900-02	SRF/ARPA/STATE APPROPRIATION	\$ 2,500,000	\$ 1,625,752	\$ 20,000,000	\$ 15,227,468	\$ 37,762,800	\$ -	\$ 37,762,800
2900-00	Fund Balance Appropriated	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Subtotal	\$ 2,509,716	\$ 1,757,343	\$ 20,258,722	\$ 15,424,493	\$ 37,962,800	\$ -	\$ 37,962,800
	TOTAL REVENUES	\$ 12,319,772	\$ 11,910,776	\$ 30,890,329	\$ 23,526,366	\$ 43,240,918	\$ 5,805,086	\$ 49,036,004

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

ACCOUNT NO.	EXPENDITURES	FY 22-23 APPROVED BUDGET	FY 22-23 ACTUALS	FY 24-25 AMENDED BUDGET	FY 24-25 ACTUAL 04/30/2025	PROPOSED FY 25-26 BUDGET		FY 25-26 TOTAL COMBINED BUDGET
						KINGS BLUFF	BLADEN BLUFFS	
	Administration							
4001-01	Salaries	\$ 213,675	\$ 196,423	\$ 222,026	\$ 183,309	\$ 172,808	\$ 74,061	\$ 246,869
4010-01	Per Diem and Mileage Board Members	\$ 64,001	\$ 55,475	\$ 64,476	\$ 44,588	\$ 45,354	\$ 19,437	\$ 64,791
4012-01	Vehicle Allowance	\$ 5,200	\$ 5,200	\$ 5,200	\$ 4,400	\$ 3,640	\$ 1,560	\$ 5,200
4019-01 & 4024-01	FICA Taxes	\$ 20,953	\$ 19,492	\$ 22,534	\$ 17,538	\$ 17,261	\$ 7,397	\$ 24,658
4029-01	Retirement	\$ 28,153	\$ 25,670	\$ 30,196	\$ 23,716	\$ 25,662	\$ 10,998	\$ 36,660
4035-01	401K Plan	\$ 12,312	\$ 11,100	\$ 12,422	\$ 9,879	\$ 9,738	\$ 4,174	\$ 13,912
4036-01	Miscellaneous Payroll Expenses	\$ 3,100	\$ 2,874	\$ 2,900	\$ 2,562	\$ 2,900	\$ -	\$ 2,900
4038-01	Group Insurance	\$ 40,176	\$ 38,002	\$ 44,586	\$ 33,648	\$ 29,810	\$ 12,776	\$ 42,586
4039-01	Property and Liability Insurance	\$ 133,236	\$ 111,030	\$ 156,000	\$ 127,200	\$ 121,212	\$ 51,948	\$ 173,160
4046-00	Professional Services General	\$ 3,800	\$ -	\$ 15,000	\$ 7,509	\$ 38,500	\$ 16,500	\$ 55,000
4046-01	Attorney	\$ 41,000	\$ 40,365	\$ 50,000	\$ 33,486	\$ 45,500	\$ 19,500	\$ 65,000
4047-01	Auditor	\$ 8,200	\$ 8,200	\$ 10,500	\$ 6,000	\$ 6,650	\$ 2,850	\$ 9,500
4048-01	Engineer	\$ 238,153	\$ 46,174	\$ 87,000	\$ 26,863	\$ 135,000	\$ 25,000	\$ 150,000
4049-01	Information Technology	\$ 50,428	\$ 23,191	\$ 25,000	\$ 3,589	\$ 10,500	\$ 4,500	\$ 15,000
4050-01	Financial Advisor	\$ -	\$ -	\$ 10,000	\$ -	\$ 7,000	\$ 3,000	\$ 10,000
4055-01	Office Maintenance/Repair/Common Charge	\$ 23,000	\$ 15,147	\$ 40,000	\$ 27,444	\$ 45,000	\$ -	\$ 45,000
4058-01	Office Utilities	\$ 5,000	\$ 2,173	\$ 3,500	\$ 2,655	\$ 4,000	\$ -	\$ 4,000
4059-01	Office Expenses (telephone, Printing, Adv)	\$ 16,000	\$ 15,852	\$ 15,000	\$ 6,853	\$ 15,000	\$ -	\$ 15,000
4062-01	Office Equipment	\$ 43,000	\$ 38,389	\$ 40,000	\$ 30,866	\$ 30,000	\$ -	\$ 30,000
4064-01	Printing and Advertising	\$ 8,000	\$ 8,033	\$ 14,500	\$ 10,114	\$ 15,500	\$ -	\$ 15,500
4065-01	Telephone and Internet	\$ 3,500	\$ 3,101	\$ 7,000	\$ 4,999	\$ 5,500	\$ -	\$ 5,500
4070-01	Travel and Training	\$ 29,000	\$ 23,210	\$ 40,500	\$ 33,850	\$ 36,000	\$ -	\$ 36,000
4070-20	Phone Allowance	\$ 520	\$ 520	\$ 520	\$ 440	\$ 520	\$ -	\$ 520
4075-01	Vehicle Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4080-01	Miscellaneous Expense	\$ 20,000	\$ 15,562	\$ 17,000	\$ 6,960	\$ 25,000	\$ -	\$ 25,000
4081-01	Dues & Subscription	\$ -	\$ -	\$ 15,000	\$ 14,787	\$ 12,000	\$ -	\$ 12,000
	Subtotal	\$ 1,010,407	\$ 705,183	\$ 950,860	\$ 663,255	\$ 860,055	\$ 253,701	\$ 1,103,756

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

ACCOUNT NO.	EXPENDITURES	FY 22-23 APPROVED BUDGET	FY 22-23 ACTUALS	FY 24-25 AMENDED BUDGET	FY 24-25 ACTUAL 04/30/2025	PROPOSED FY 25-26 BUDGET		FY 25-26 TOTAL COMBINED BUDGET
						KINGS BLUFF	BLADEN BLUFFS	
	Operating							
4501-01	Sales Tax Expense	\$ 135,000	\$ 119,601	\$ 150,000	\$ 133,723	\$ 15,000	\$ 135,000	\$ 150,000
4510-01	Bladen Bluffs O & M	\$ 3,856,666	\$ 3,478,562	\$ 3,821,385	\$ 1,984,477	-	\$ 3,821,385	\$ 3,821,385
4515-01	Bladen Bluffs Hurricane Florence	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
4520-01	Utilities/Energy Kings Bluff	\$ 786,589	\$ 754,376	\$ 775,363	\$ 585,434	\$ 778,052	\$ -	\$ 778,052
4530-01	Contract O & M Kings Bluff	\$ 686,749	\$ 385,012	\$ 736,811	\$ 531,916	\$ 736,811	\$ -	\$ 736,811
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	\$ 970,000	\$ 970,000	\$ 1,035,000	\$ 1,035,000	-	\$ 1,115,000	\$ 1,115,000
4546-01	Bladen Bluffs Debt Service Interest	\$ 608,000	\$ 607,251	\$ 500,000	\$ 375,297	-	\$ 480,000	\$ 480,000
	Operating Capital Expense	\$ 1,286,360	\$ 90,856	\$ 2,760,310	\$ 625,290	\$ 10,851,000	\$ -	\$ 10,851,000
4998-05	Transfer to R&R - Kings Bluff R&R Expense	\$ 380,000	\$ 380,000	\$ 160,600	\$ -	-	-	-
	Transfer to R&R - Industrial	\$ -	\$ -	\$ -	\$ -	-	-	-
4998-06	Transfer to Enterprise Fund	\$ 100,000	\$ 100,000	\$ -	\$ -	-	-	-
2041-01	421 Relocation New Hanover County Loan Principal	\$ -	\$ -	\$ -	\$ -	-	-	-
5180-00	SRF/7 mile parallel line expenditures	\$ 2,500,000	\$ 1,764,140	\$ 20,000,000	\$ 13,261,204	\$ 30,000,000	\$ -	\$ 30,000,000
	Subtotal	\$ 11,309,364	\$ 8,649,798	\$ 29,939,469	\$ 18,532,341	\$ 42,380,863	\$ 5,551,385	\$ 47,932,248
	<b>TOTAL EXPENDITURES</b>	<b>\$ 12,319,771</b>	<b>\$ 9,354,981</b>	<b>\$ 30,890,329</b>	<b>\$ 19,195,596</b>	<b>\$ 43,240,918</b>	<b>\$ 5,805,086</b>	<b>\$ 49,036,004</b>

## WATER REVENUE ESTIMATES AND WATER RATE CALCULATION

Raw Water Customer	FLOWS			
	FY 23-24 Actual	FY 24-25 Projected	FY 24-25 Actual (as of 03/31/2025)	FY 25-26 Projected
Brunswick County	5,233,359	5,733,323	4,362,581	5,461,944
CFPUA	4,266,090	4,172,719	3,444,717	4,214,446
Pender County	614,380	582,600	462,327	603,000
Stephan	303,619	266,667	234,640	200,000
Praxair	47,890	53,333	29,730	40,000
	10,465,338	10,808,642	8,533,995	10,519,390

Raw Water Customer	REVENUES			
	FY 22-23 Actual	FY 24-25 Projected	FY 24-25 Actual (as of 03/31/2025)	FY 24-25 Projected
RATE PER 1,000 GALLONS	\$ 0.4000	\$ 0.4400	\$ 0.4400	\$ 0.4800
Brunswick County	\$ 2,093,344	\$ 2,522,662	\$ 1,919,536	\$ 2,621,733
CFPUA	\$ 1,706,436	\$ 1,835,996	\$ 1,515,675	\$ 2,022,934
Pender County	\$ 245,752	\$ 256,344	\$ 203,424	\$ 289,440
	\$ 4,045,532	\$ 4,615,002	\$ 3,638,635	\$ 4,934,107

RATE PER 1,000 GALLONS	\$ 0.4000	\$ 0.6600	\$ 0.6600	\$ 0.7000
Stepan	\$ 121,448	\$ 117,333	\$ 154,862	\$ 140,000
Praxair	\$ 19,156	\$ 35,200	\$ 19,622	\$ 28,000
	\$ 140,604	\$ 152,533	\$ 174,484	\$ 168,000
Combined Total	\$ 4,186,135	\$ 4,767,536	\$ 3,813,119	\$ 5,102,107

KINGS BLUFF EXPENSES	
ADMINISTRATION	\$ 860,055
OPERATING INCLUDING DEBT SERVICE	\$ 42,380,863
TOTAL EXPENSES	\$ 43,240,918

KINGS BLUFF REVENUES	
WATER SALES BASED ON CURRENT RATE	\$ 5,102,107
OTHER REVENUES	\$ 133,823
TOTAL REVENUES	\$ 5,235,930



**BRUNSWICK COUNTY**  
**PROJECTED WATER USE**  
**FOR JULY 1, 2025 THROUGH JUNE 30, 2026**  
**WATER RATE OF \$0.48 / 1,000 GALLONS**

Month	Estimated Usage	Cumulative Total
July 2025	583,015,500.00	583,015,500.00
August	544,155,133.33	1,127,170,633.33
September	495,088,700.00	1,622,259,333.33
October	487,979,666.67	2,110,239,000.00
November	378,881,000.00	2,489,120,000.00
December	340,888,233.33	2,830,008,233.33
January 2026	365,638,533.33	3,195,646,766.67
February	322,818,022.22	3,518,464,788.89
March	389,507,411.11	3,907,972,200.00
April	459,588,488.89	4,367,560,688.89
May	535,066,811.11	4,902,627,500.00
June	559,316,233.33	5,461,943,733.33
<b>TOTAL</b>	<b>5,461,943,733.33</b>	
<b>Annual Daily Average:</b>	<b>14,964,229.41</b>	<b>Annual Revenue</b>
		<b>\$ 2,621,732.99</b>

## CAPE FEAR PUBLIC UTILITY AUTHORITY

## PROJECTED WATER USE

FOR JULY 1, 2025 THROUGH JUNE 30, 2026

WATER RATE OF \$0.48 / 1,000 GALLONS

Month	Estimated Usage	Cumulative Total
July 2025	299,693,954.88	299,693,954.88
August	310,099,994.98	609,793,949.86
September	334,033,887.21	943,827,837.07
October	328,830,867.16	1,272,658,704.23
November	255,988,586.46	1,528,647,290.69
December	375,658,047.61	1,904,305,338.30
January 2026	431,850,664.15	2,336,156,002.45
February	387,104,691.72	2,723,260,694.17
March	448,500,328.31	3,171,761,022.48
April	418,322,812.02	3,590,083,834.50
May	328,830,867.16	3,918,914,701.66
June	295,531,538.84	4,214,446,240.50
<b>TOTAL</b>	<b>4,214,446,240.50</b>	
<b>Annual Daily Average:</b>	<b>11,546,428.06</b>	<b>Annual Revenue</b>
		<b>\$ 2,022,934.20</b>

**PENDER COUNTY**  
**PROJECTED WATER USE**  
**FOR JULY 1, 2025 THROUGH JUNE 30, 2026**  
**WATER RATE OF \$0.48 / 1,000 GALLONS**

Month	Estimated Usage	Cumulative Total
July 2025	56,000,000.00	56,000,000.00
August	54,000,000.00	110,000,000.00
September	49,000,000.00	159,000,000.00
October	46,000,000.00	205,000,000.00
November	44,000,000.00	249,000,000.00
December	47,000,000.00	296,000,000.00
January 2026	42,000,000.00	338,000,000.00
February	42,000,000.00	380,000,000.00
March	45,000,000.00	425,000,000.00
April	55,000,000.00	480,000,000.00
May	58,000,000.00	538,000,000.00
June	65,000,000.00	603,000,000.00
<b>TOTAL</b>	<b>603,000,000.00</b>	
<b>Annual Daily Average:</b>	<b>1,652,054.79</b>	<b>\$ 289,440.00</b>
		<b>Annual Revenue</b>

## PERSONNEL COST

Employee	Adopted FY 24-25	Salary	Proposed FY 25-26	Notes
Executive Director	\$	139,986.05	\$ 156,784.38	3%COLA/4% Merit/5% SSA
Administrative Assistant	\$	67,040.21	\$ 75,085.04	3%COLA/4% Merit/5% SSA
Part-Time	\$	15,000.00	\$ 15,000.00	
	\$	222,026.26	\$ 246,869.41	
Board Per Diem and Mileage	Board			
	\$	64,475.94	\$ 64,790.94	
Executive Director		FICA		
Administrative Assistant	\$	11,968.81	\$ 13,405.06	8.55 % of Salary
Part-Time	\$	5,731.94	\$ 6,419.77	8.55 % of Salary
Board Members	\$	1,282.50	\$ 1,282.50	8.55% of Salary
	\$	3,550.95	\$ 3,550.95	8.55% of Salary
	\$	22,534.20	\$ 24,658.28	
Executive Director		Retirement		
Part-Time	\$	19,038.10	\$ 23,282.48	14.85%
Administrative Assistant	\$	9,117.47	\$ 2,227.50	
	\$	2,040.00	\$ 11,150.13	14.85%
	\$	30,195.57	\$ 36,660.11	
Executive Director		Health Insurance		
Administrative Assistant	\$	21,293.00	\$ 21,293.00	
	\$	21,293.00	\$ 21,293.00	
	\$	42,586.00	\$ 42,586.00	
Executive Director		401 K Contribution		
Administrative Assistant	\$	8,399.16	\$ 9,407.06	6.0% of the salary
	\$	4,022.41	\$ 4,505.10	6.0% of the salary
	\$	12,421.58	\$ 13,912.16	

**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	\$	0.700	per mile
Total Mileage Cost Per Year	\$	7,350.00	

**Total for Budget** \$ 58,110.0

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

Social Security \$ 3,883

Breakfast	\$ 233.15	per month	\$ 2,797.80
	\$		64,790.9

## BLADEN BLUFFS ADMINISTRATIVE COST CALCULATION

Employee	Allocation		Bladen Bluffs Allocation
<b>SALARY</b>			
Executive Director		\$ 156,784.38	
Administrative Assistant		\$ 75,085.04	
Part Time		\$ 15,000.00	
		<u>\$ 246,869.41</u>	<b>\$80,232.56</b>
Board Per Diem, Mileage and Expense		\$64,790.94	<b>\$21,057.06</b>
<b>VEHICLE &amp; CELL PHONE ALLOWANCE</b>			
Executive Director - Vehicle		\$5,200.00	
Executive Director - Cell phone		\$520.00	
		<u>\$5,720.00</u>	<b>\$1,859.00</b>
<b>FICA</b>			
Executive Director		\$13,405.06	
Administrative Assistant		\$6,419.77	
Part Time		\$1,282.50	
Board Members		\$3,550.95	
		<u>\$24,658.28</u>	<b>\$8,013.94</b>
<b>RETIREMENT</b>			
Executive Director		\$23,282.48	
Part Time		\$2,227.50	
Administrative Assistant		\$11,150.13	
		<u>\$36,660.11</u>	<b>\$11,914.53</b>
<b>401K</b>			
Executive Director		\$9,407.06	
Administrative Assistant		\$4,505.10	
		<u>\$13,912.16</u>	<b>\$4,521.45</b>
<b>HEALTH INSURANCE</b>			
Executive Director		\$21,293.00	
Administrative Assistant		\$21,293.00	
		<u>\$42,586.00</u>	<b>\$13,840.45</b>
		\$ 435,196.91	<b>\$141,439.00</b>

BLADEN BLUFFS ADMINISTRATIVE COST CALCULATION CONTINUED

ATTORNEY	\$	19,500
ENGINEER	\$	25,000
AUDITOR	\$	2,850
INFORMATION TECHNOLOGY	\$	4,800
ADMINISTRATIVE COST FROM FIRST SHEET	\$	<u>141,439</u>
	\$	193,589

**INSURANCE PROPERTY & LIABILITY**

Total cost of Property and Liability Insurance is \$94,301

Bladen Bluffs share is

based upon percent

\$	<u>51,948</u>
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<b>Total Annual Admin Cost</b>	\$	245,537
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## BLADEN BLUFFS OPERATING BUDGET

Bladen Bluffs Budget FY 2023-24	FY 2023-2024	FY 2024-2025	FY 2025-2026
Sales Tax	\$100,000.00	\$105,000.00	\$135,000.00
Administrative LCFWASA	\$110,000.00	\$213,798.00	\$245,537.00
Administrative General	\$62,000.00	\$62,000.00	\$62,000.00
Audit	\$2,800.00	\$2,800.00	\$2,800.00
Insurance	\$27,500.00	\$36,566.00	\$51,948.00
Professional Services	\$98,000.00	\$98,000.00	\$98,000.00
Professional Services Engineering	\$30,000.00	\$25,000.00	\$25,000.00
Postage	\$810.00	\$1,000.00	\$1,000.00
Training	\$1,500.00	\$12,500.00	\$12,500.00
Computer/IT	\$32,000.00	\$43,500.00	\$43,500.00
Fuel Diesel	\$29,000.00	\$15,000.00	\$15,000.00
Fuel Gas	\$10,000.00	\$5,000.00	\$5,000.00
Equipment Rental	\$90,000.00	\$35,207.00	\$35,207.00
Utilities Water	\$1,000.00	\$1,000.00	\$1,000.00
Building Maintenance	\$4,400.00	\$12,000.00	\$12,000.00
Grounds Maint./Landscaping	\$340.00	\$15,000.00	\$15,000.00
Equipment Maintenance	\$250,000.00	\$200,000.00	\$200,000.00
Departmental Supplies	\$1,650,253.00	\$1,500,000.00	\$1,300,000.00
Departmental Supplies/Parts	\$170,000.00	\$75,000.00	\$82,204.00
Lab Expenses	\$122,000.00	\$135,000.00	\$135,000.00
Permitting	\$140,000.00	\$55,000.00	\$55,000.00
Environmental/Livestock Safety	\$17,000.00	\$15,000.00	\$15,000.00
Land Application	\$275,000.00	\$275,000.00	\$275,000.00
Capital Expense	\$40,000.00	\$50,000.00	\$50,000.00
Capital Reserve General		\$0.00	\$350,000.00
Capital Reserve Vehicle	\$12,000.00	\$39,600.00	\$41,580.00
Capital Reserve Scada	\$52,000.00	\$99,000.00	\$103,950.00
Capital Reserve GAC	\$360,000.00	\$435,600.00	\$457,380.00
Capital Reserve Water and Well	\$148,000.00	\$237,600.00	\$249,480.00
Debt Service Principal	\$970,000.00	\$1,035,000.00	\$1,115,000.00
Debt Service Interested	\$450,000.00	\$500,000.00	\$480,000.00
Total	\$5,255,603.00	\$5,335,171.00	\$5,670,086.00



Item #		Description	2022	2023	Budget	7/1/23	11/30/2023	11/30/2023	Requested	Requested	Requested	Line Item Justification	Post ending fund balance
33927	617150	LCFWSA O and M Reimbursement	2,916,510	441,110	690,363	690,363	73,716	11%	739,247	48,884	739,247	(2,436)	
33928	617150	LCFWSA O and M Reimbursement						0%					
33929	617150	Proceeds SBTA LT Software Sub						0%					
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## OPERATING FUND CAPITAL EXPENDITURES AND TRANSFERS

EQUIPMENT TO BE REPLACED	REPLACEMENT COST
VFD COMPONENT REPLACEMENT	\$ 280,000
SCADA	\$ 125,000
VTR PUMP/INSPECT REFURBISH	\$ 200,000
NEW BOWL ASSEMBLY	\$ -
ANTI VORTEXING	\$ 50,000
UPDATE RATE STUDY	\$ -
ROW ACQUISITION	\$ 100,000
MATCHING SRF FUNDING	
FOURTH PUMP	\$ 5,800,000
WALKWAY REPLACEMENT AND AIR BACKWASH	\$ 4,200,000
UTILITY TRUCK WITH BODY	\$ 66,000
MISCELLANEOUS	\$ 30,000
TOTAL	\$ 10,851,000

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

KINGS BLUFF CIP PROJECTS		0.33	0.36	0.4	0.44	0.48	FY 25-26 PROJECT TOTALS	
		FY21-22	FY22-23	FY23-24	FY24-25			
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	\$ -	\$ 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	\$ -	\$ 200,000.00
INDEPENDENT RATE STUDY	\$ -	\$ -	\$ -	\$ 57,000.00	\$ -	\$ -	\$ -	\$ 57,000.00
ROW ACQUISITIONS	\$ -	\$ 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	\$ 30,000.00	\$ 130,000.00	\$ -	\$ -	\$ -	\$ 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	\$ 8,096,776.00	
CAPITAL RESERVES	\$ -	\$ -	\$ -	\$ 104,534.00	\$ -	\$ -	
DEBT PROCEEDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
GRANT	\$ -	\$ -	\$ -	\$ 20,000,000.00	\$ -	\$ 20,000,000.00	
OTHER SOURCE	\$ -	\$ 2,057,000.00	\$ 33,762,800.00	\$ 35,819,800.00	\$ -	\$ 35,819,800.00	
<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>	<b>\$63,916,576.00</b>	

# **AGENDA ITEM**

To: CHAIRMAN DEVANE AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: June 16, 2025

Re: Executive Director's Report

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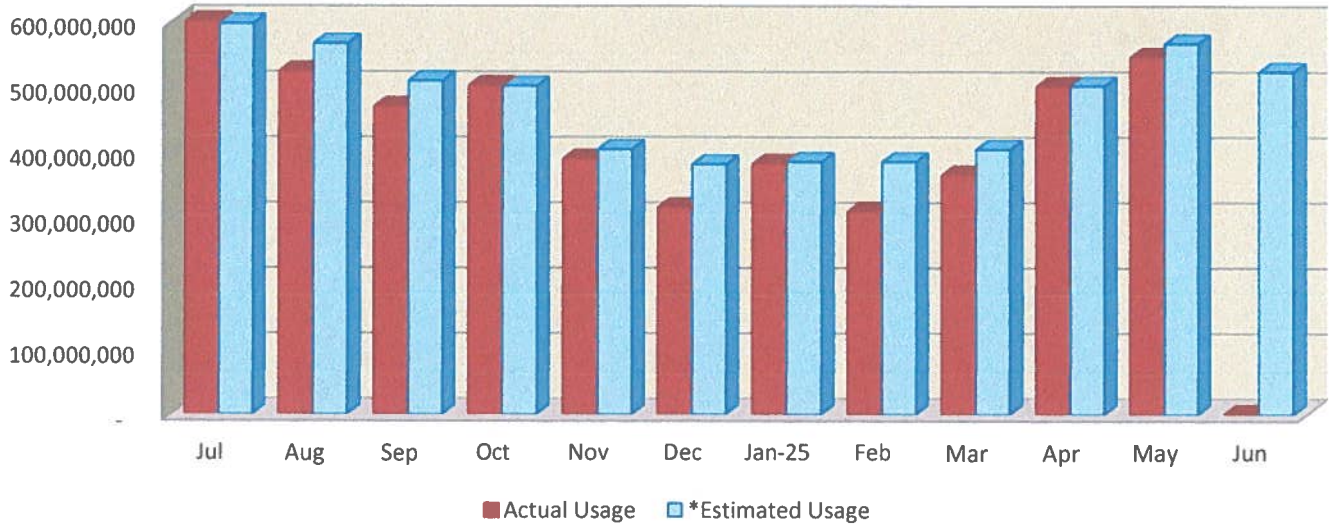
**EDR1** - Comments on Customers' Water Usage and Raw Water Revenue for Fiscal Year to Date Ending May 31, 2025

**EDR2** - Operating Budget Status, Ending April 30, 2025

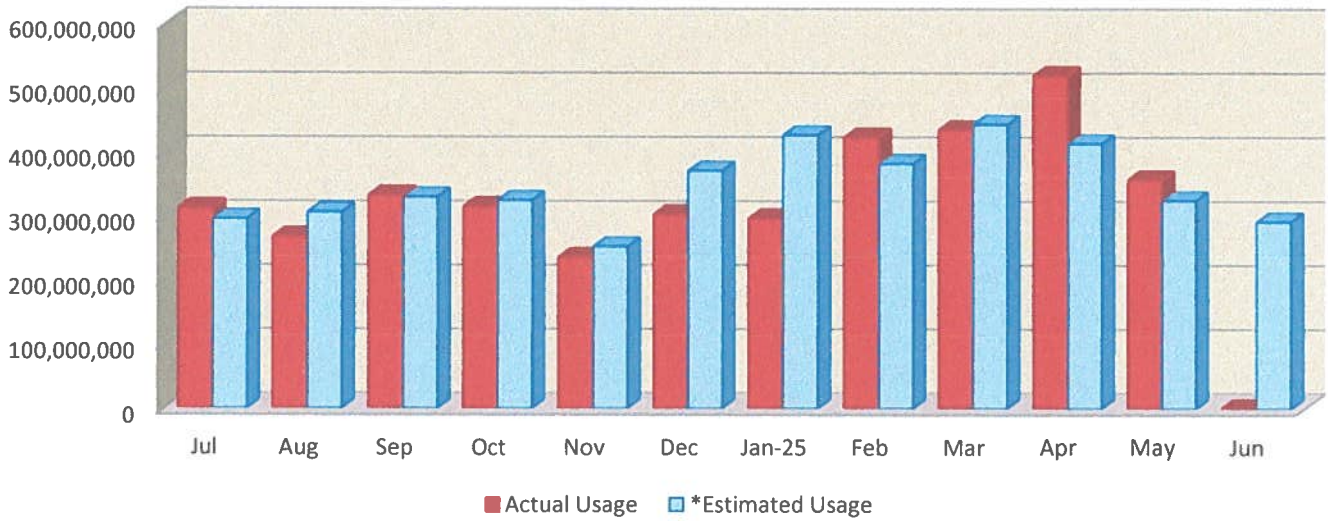
**EDR3** - Summary of Activities

**Action Requested:** For information purposes.

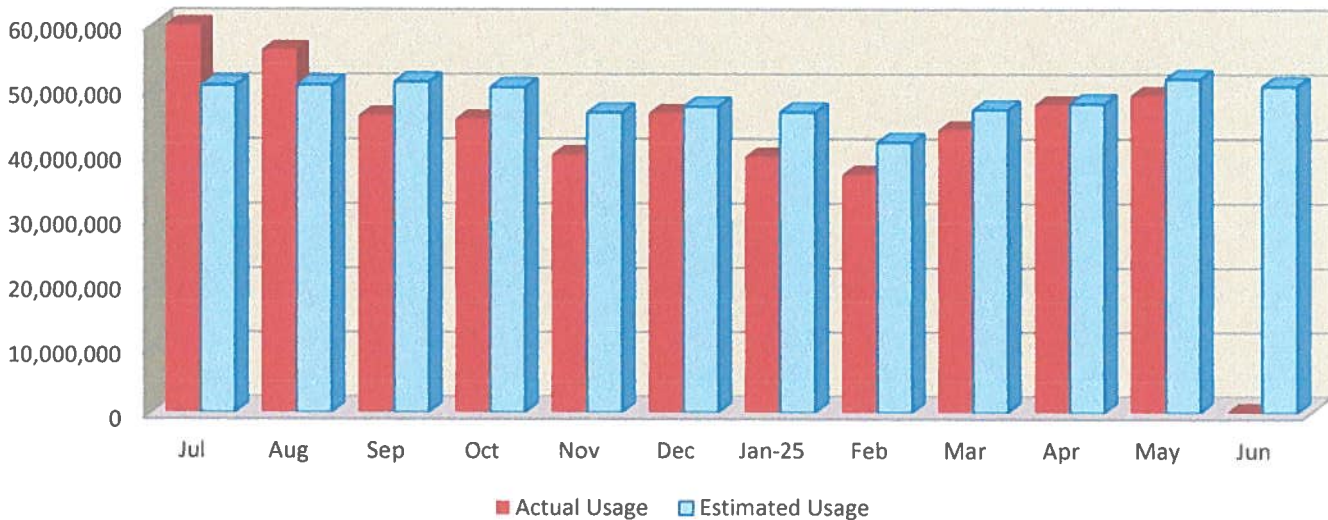
## Brunswick County Water Usage FY 24-25



## CFPUA Water Usage FY 24-25



## Pender County Water Usage FY 24-25





**LOWER CAPE FEAR WATER AND SEWER AUTHORITY**  
**FISCAL YEAR 2024-2025 BUDGET**

ACCOUNT NO.	REVENUES	FY 2024-2025 APPROVED BUDGET	FY 2024-2025 AMENDED BUDGET	July 1 - April 30, 2025 ACTUAL		FY 24-25 TOTAL COMBINED BUDGET	% of Amended Budget As of 04/30/2025
				KINGS BLUFF	BLADEN BLUFFS		
	<b>OPERATING</b>						
3001-01	Brunswick County	\$ 2,522,662	\$ 2,522,662	\$ 1,919,536	\$ -	\$ 1,919,536	76%
3002-01	Cape Fear Public Utility Authority	\$ 1,835,996	\$ 1,835,996	\$ 1,515,676	\$ -	\$ 1,515,676	83%
3003-03	Pender County	\$ 256,344	\$ 256,344	\$ 203,424	\$ -	\$ 203,424	79%
3004-01	Stepan/Invista	\$ 176,000	\$ 176,000	\$ 154,862	\$ -	\$ 154,862	88%
3005-01	Praxair, Inc	\$ 35,200	\$ 35,200	\$ 19,622	\$ -	\$ 19,622	56%
3006-01	Bladen Bluffs Reimbursement for Plant Operation Costs	\$ 5,570,183	\$ 5,570,183	\$ -	\$ 4,033,306	\$ 4,033,306	72%
3006-02	Bladen Bluffs Administrative Reimbursement	\$ 119,988	\$ 119,988	\$ -	\$ 139,323	\$ 139,323	116%
3007-01	Sales Tax Refund	\$ 115,234	\$ 115,234	\$ -	\$ 116,124	\$ 116,124	101%
	<b>Subtotal</b>	<b>\$ 10,631,607</b>	<b>\$ 10,631,607</b>	<b>\$ 3,813,120</b>	<b>\$ 4,288,754</b>	<b>\$ 8,101,874</b>	<b>76%</b>
	<b>Non-Operating</b>						
3105-01	Interest	\$ 78,878	\$ 154,188	\$ 197,025	\$ -	\$ 197,025	128%
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	\$ 104,534	\$ 104,534	\$ -	\$ -	\$ -	0%
3900-02	SRF/ARPA	\$ 20,000,000	\$ 20,000,000	\$ 15,227,468	\$ -	\$ 15,227,468	76%
2900-00	Fund Balance Appropriated	\$ -	\$ -	\$ -	\$ -	\$ -	0%
	<b>Subtotal</b>	<b>\$ 20,183,412</b>	<b>\$ 20,258,722</b>	<b>\$ 15,424,492</b>	<b>\$ -</b>	<b>\$ 15,424,492</b>	<b>76%</b>
	<b>TOTAL REVENUES</b>	<b>\$ 30,815,019</b>	<b>\$ 30,890,329</b>	<b>\$ 19,237,612</b>	<b>\$ 4,288,754</b>	<b>\$ 23,526,366</b>	<b>76%</b>

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY**  
**FISCAL YEAR 2024-2025 BUDGET**

ACCOUNT NO.	EXPENDITURES	FY 2024-2025 APPROVED BUDGET	FY 2024-2025 AMENDED BUDGET	July 1 - April 30, 2025 ACTUAL		FY 24-25 TOTAL COMBINED BUDGET	% of Amended Budget As of 04/30/2025
				KINGS BLUFF	BLADEN BLUFFS		
	Administration						
4001-01	Salaries	\$ 222,026	\$ 222,026	\$ 127,803	\$ 55,507	\$ 183,309	83%
4010-01	Per Diem and Mileage Board Members	\$ 64,476	\$ 64,476	\$ 28,469	\$ 16,119	\$ 44,588	69%
4012-01	Vehicle Allowance	\$ 5,200	\$ 5,200	\$ 3,100	\$ 1,300	\$ 4,400	85%
4019-01 & 4024-01	FICA Taxes	\$ 22,534	\$ 22,534	\$ 11,905	\$ 5,634	\$ 17,538	78%
4029-01	Retirement	\$ 30,196	\$ 30,196	\$ 16,167	\$ 7,549	\$ 23,716	79%
4035-01	401K Plan	\$ 12,422	\$ 12,422	\$ 6,774	\$ 3,105	\$ 9,879	80%
4036-01	Miscellaneous Payroll Processing Expenses	\$ 2,900	\$ 2,900	\$ 2,562	\$ -	\$ 2,562	88%
4038-01	Group Insurance	\$ 42,586	\$ 44,586	\$ 23,002	\$ 10,647	\$ 33,648	75%
4039-01	Property and Liability Insurance	\$ 156,000	\$ 156,000	\$ 88,200	\$ 39,000	\$ 127,200	82%
4046-00	Professional Services General	\$ 15,000	\$ 15,000	\$ 7,509	\$ -	\$ 7,509	50%
4046-01	Attorney	\$ 50,000	\$ 50,000	\$ 33,486	\$ -	\$ 33,486	67%
4047-01	Auditor	\$ 8,000	\$ 10,500	\$ 3,200	\$ 2,800	\$ 6,000	57%
4048-01	Engineer	\$ 175,000	\$ 87,000	\$ 26,863	\$ -	\$ 26,863	31%
4049-01	Information Technology	\$ 25,000	\$ 25,000	\$ 3,589	\$ -	\$ 3,589	14%
4050-01	Financial Advisor	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	0%
4055-01	Office Maintenance/Repair/Common Charge	\$ 40,000	\$ 40,000	\$ 27,444	\$ -	\$ 27,444	69%
4058-01	Office Utilities	\$ 3,500	\$ 3,500	\$ 2,655	\$ -	\$ 2,655	76%
4059-01	Office Expenses (telephone, Printing, Adv)	\$ 15,000	\$ 15,000	\$ 6,853	\$ -	\$ 6,853	46%
4062-01	Office Equipment	\$ 35,000	\$ 40,000	\$ 30,866	\$ -	\$ 30,866	77%
4064-01	Printing and Advertising	\$ 8,000	\$ 14,500	\$ 10,114	\$ -	\$ 10,114	70%
4065-01	Telephone and Internet	\$ 3,500	\$ 7,000	\$ 4,999	\$ -	\$ 4,999	71%
4070-01	Travel and Training	\$ 29,000	\$ 40,500	\$ 33,850	\$ -	\$ 33,850	84%
4070-20	Phone Allowance	\$ 520	\$ 520	\$ 336	\$ 104	\$ 440	85%
4075-01	Vehicle Expense	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4080-01	Miscellaneous Expense	\$ 20,000	\$ 17,000	\$ 6,960	\$ -	\$ 6,960	41%
4081-01	Dues & Subscription	\$ -	\$ 15,000	\$ 14,787	\$ -	\$ 14,787	99%
	Subtotal	\$ 995,860	\$ 950,860	\$ 521,490	\$ 141,764	\$ 663,253	70%



LOWER CAPE FEAR WATER AND SEWER AUTHORITY  
FISCAL YEAR 2024-2025 BUDGET

ACCOUNT NO.	EXPENDITURES	FY 2024-2025 APPROVED BUDGET	FY 2024-2025 AMENDED BUDGET	July 1 - April 30, 2025 ACTUAL		FY 24-25 TOTAL COMBINED BUDGET	% of Amended Budget As of 04/30/2025
				KINGS BLUFF	BLADEN BLUFFS		
	Operating						
4501-01	Sales Tax Expense	\$ 105,000	\$ 150,000	\$ -	\$ 133,723	\$ 133,723	89%
4510-01	Bladen Bluffs O & M	\$ 3,821,385	\$ 3,821,385	\$ -	\$ 1,984,477	\$ 1,984,477	52%
4515-01	Bladen Bluffs Hurricane Florence	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4520-01	Utilities/Energy Kings Bluff	\$ 775,363	\$ 775,363	\$ 585,434	\$ -	\$ 585,434	76%
4530-01	Contract O & M Kings Bluff	\$ 736,811	\$ 736,811	\$ 531,916	\$ -	\$ 531,916	72%
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	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ -	\$ 1,035,000	100%
4546-01	Bladen Bluffs Debt Service Interest	\$ 500,000	\$ 500,000	\$ -	\$ 375,297	\$ 375,297	75%
	Operating Capital Expense	\$ 2,685,000	\$ 2,760,310	\$ -	\$ 625,290	\$ 625,290	23%
4998-05	Transfer to R&R - Kings Bluff R&R Expense	\$ 160,600	\$ 160,600	\$ -	\$ -	\$ -	0%
	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	SRF/7 mile parallel line expenditures	\$ 20,000,000	\$ 20,000,000	\$ 13,261,204	\$ -	\$ 13,261,204	66%
	Subtotal	\$ 29,819,159	\$ 29,939,469	\$ 15,413,553	\$ 3,118,787	\$ 18,532,340	62%
	<b>TOTAL EXPENDITURES</b>	<b>\$ 30,815,019</b>	<b>\$ 30,890,329</b>	<b>\$ 15,935,043</b>	<b>\$ 3,260,551</b>	<b>\$ 19,195,594</b>	<b>62%</b>

Executive Director Highlighted Activities:

- Regular Monthly meetings with the Design Build Team and Owner's Advisor for the parallel line project.
- Participated in weekly update meetings on the 10-mile parallel line.
- Continuing work with the Legislative Delegation on double project funding
- Continuing meetings with Electus, our Lobbyist
- Received two responses to RFP for Real Estate Services
- Met with Partners and McKim and Creed to review the impacts of revised partner usage demands
- Accompanied Garney and David Fournier, HDR on Punch List review of Phase 2A
- Attend Pender County Utilities Meeting
- Danielle worked with Auditors on Pre-Audit findings and information gathering

**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**10:00 a.m. – Long Range Planning Committee Meeting**  
**June 16, 2025**

**MEETING CALL TO ORDER:** Chairman DeVane

**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 to the Board for Approval at the July 14<sup>th</sup>, 2025, board meeting.

**FUTURE MEETINGS:** TBD

**ADJOURNMENT**



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## **DRAFT** MASTER PLANNING DOCUMENT

25 Year Planning Period

FY 2025-2050

Updated June 2025

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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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    - KB13. Surge Tank Control Panel Upgrades
    - KB14. Solar Power Study and Installation
  - b. Cost Sharing Projects\***
    - CS1. New 5<sup>th</sup> Pump at King's Bluff
    - CS2. 3-Mile 48-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 CS3 and the 10-mile parallel raw water main. The 7-mile 48-Inch 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**
  - BB1. New High Service Pumping Station
  - BB2. Construct New 1 MG Capacity Clearwell
  - BB3. Replace Existing Pumps at Bladen Bluffs Raw Water Pumping Station
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  - BB5. Replace Existing Pumps at the Recycle Pumping Station
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  - BB7. Replace Existing Generators at Bladen Bluffs Pumping Station
  - BB8. Bladen Bluffs Expansion Study
- 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 (FY2025-FY2050) Capital Project budget for the Kings Bluff Raw Water Facilities is estimated at approximately \$171M. This includes a 48-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 \$21M 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 \$1 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
- Pig future 54" water main from King's Bluff Pumping Station to 3 MG ground tank
- 100 MG Reservoir
- Install 4<sup>th</sup> pump at King's Bluff Pumping Station
- Replace existing pumps at King's Bluff Pumping Station
- Install 48" parallel raw water main from vault at Pender WTP to CFPUA vault at US 421
- New 5<sup>th</sup> Pump at King's Bluff Pumping Station
- Installation of a new surge tank at the King's Bluff Pumping Station
- 48-Inch PCCP Inspection and Pig – Ground Tank to US421
- Solar Power Study and Installation
- 48-Inch PCCP Repairs
- 48-Inch PCCP Leak Detection

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

- Refurbish/rebuild existing pumps
- 5 ROW Acquisitions
- Surge Tank Control Panel Upgrades

## **II. Bladen Bluffs Regional Surface Water Facility**

The Authority's proposed 25-year (FY2025-FY2050) Capital Project budget for the Bladen Bluffs Regional Surface Water Facility is estimated at approximately \$3.56M. 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

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:



## LCFWSA Projected Raw Water Demands\*

Customer	2025 Demands (MGD)	2035 Demands (MGD)	2045 Demands (MGD)	2055 Demands (MGD)	2065 Demands (MGD)
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.*

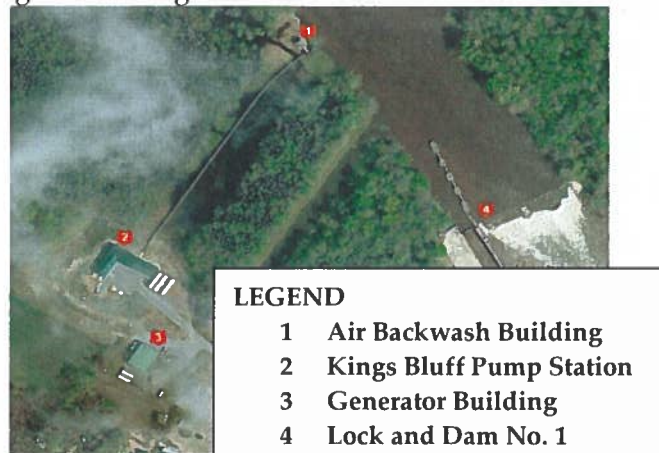
Over the past several years, regional growth has resulted in increased raw water demand from the Authority's partners. Current projections indicate that the estimated river withdrawal capacity of 106 million gallons per day (MGD) will be exceeded by approximately 2048. In order to ensure that the Authority 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 2025-2050**

### KING'S BLUFF RAW WATER FACILITIES

<b>PROJECT TITLE</b>	New 4 <sup>th</sup> Pump 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>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Provide a fourth raw water pump 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>			
<b>Justification:</b> <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>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> <div style="text-align: right;">▼</div>			
	1	2	3
<b>DURATION (MONTHS)</b>	24		
<b>REQUIRED COMPLETION</b>	2027		
<b>TOTAL ESTIMATED COST</b>	\$5,150,000*		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2025 – 2026	\$3,850,000		
2026 – 2027	\$1,300,000		

\*Note: Subject to grant funding.



### KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	Rebuild/Refurbish Existing 1600 HP Vertical Turbine Raw Water Pump 4		KB 2
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance
Summary: <ul style="list-style-type: none"><li>Rebuild and/or refurbishment of the existing 1600 HP vertical turbine raw water pump #4 originally installed in 2009. Raw Water Pumps #1 and 5 have been rebuilt in recent years.</li></ul>			
Justification: <ul style="list-style-type: none"><li>Due to age and mechanical wear, it is anticipated that rebuilding of raw water pump #4 will be required.</li><li>Rebuilding of pumps will extend the service life of the pumps.</li></ul>			
Consequence of No Action: <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>			
Criticality:			
1		2	3
DURATION (MONTHS)		12	
REQUIRED COMPLETION		2026	
TOTAL ESTIMATED COST		\$500,000	
FISCAL YEAR		ANTICIPATED FISCAL YEAR EXPENDITURE	
2025 - 2026		\$500,000	



### KING'S BLUFF RAW WATER FACILITIES

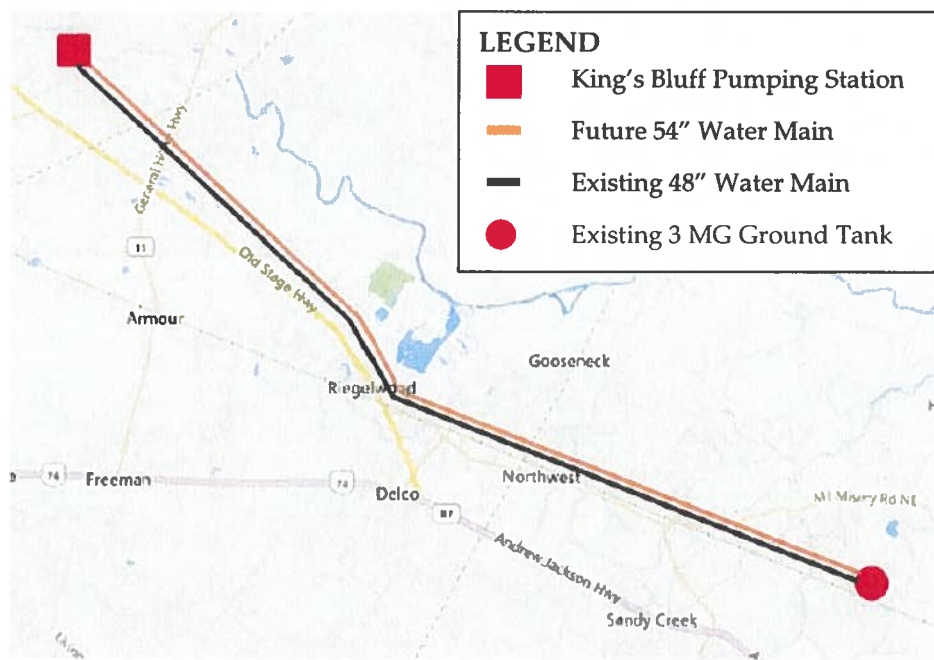
<b>PROJECT TITLE</b>	Generators at King's Bluff Raw Water Pump Station		<b>KB 3</b>
<b>CATEGORY OF NEED:</b>	<b>Capacity, Efficiency, Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance /Expansion</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Provide new standby generator(s) and a new generator building at the pump station.</li> </ul>			
<b>Justification:</b> <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>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> <div style="text-align: center; margin-top: 10px;">▼</div> <div style="display: flex; justify-content: space-around; background-color: #0056b3; color: white; padding: 5px;"> <span>1</span> <span>2</span> <span>3</span> </div>			
<b>DURATION (MONTHS)</b>	24		
<b>REQUIRED COMPLETION</b>	2033		
<b>TOTAL ESTIMATED COST</b>	\$21,500,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2031 - 2032	\$2,200,000		
2032 - 2033	\$19,300,000		





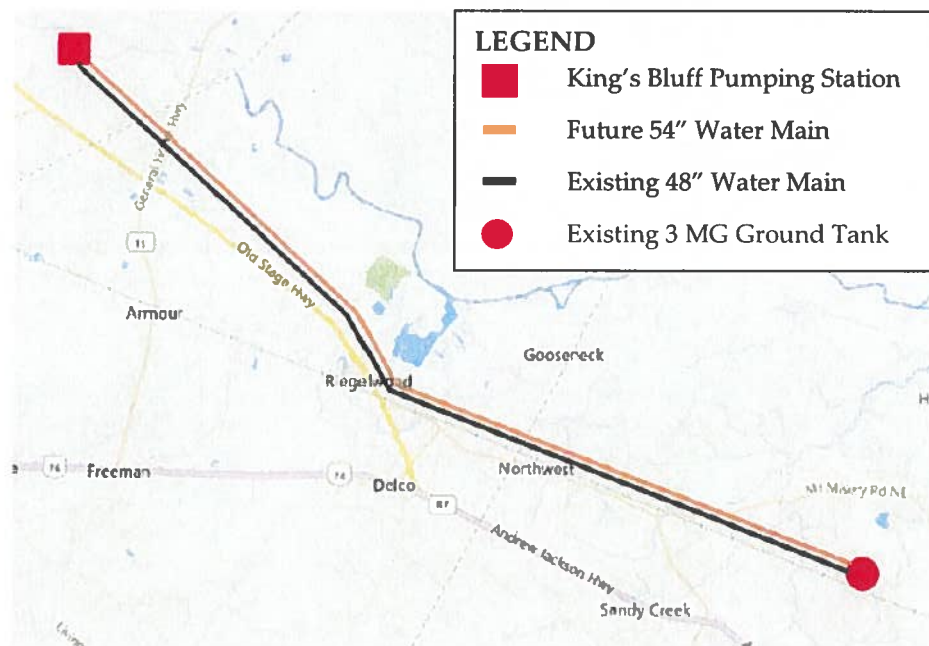
### KING'S BLUFF RAW WATER FACILITIES

<b>PROJECT TITLE</b>	Pig 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>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Pig 48" pipeline from King's Bluff to 3 MG ground tank. Repair and/or replace air release valves and blow-offs.</li> </ul>			
<b>Justification:</b> <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>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span style="background-color: #008000; width: 30px; height: 15px; margin-right: 5px;"></span> <span style="background-color: #ffff00; width: 30px; height: 15px; margin-right: 5px;"></span> <span style="background-color: #ff0000; width: 30px; height: 15px;"></span> </div>			
	<b>1</b>	<b>2</b>	<b>3</b>
<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

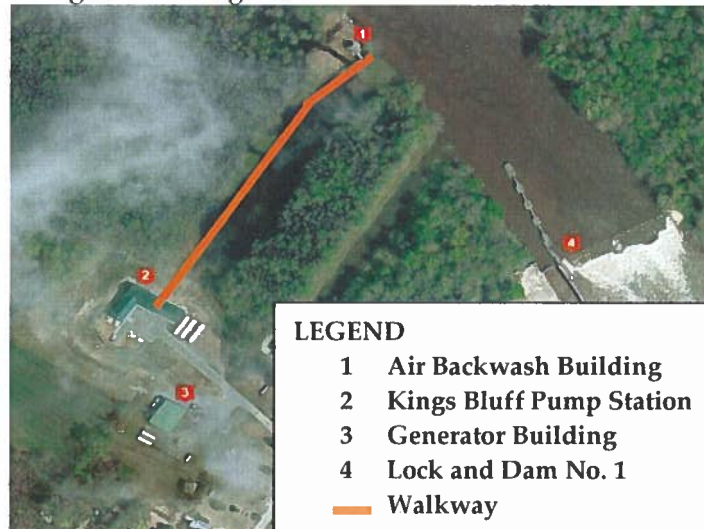
<b>PROJECT TITLE</b>	Pig 54" Pipe from 3 MG Ground Tank to US 421		<b>KB 5</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation, Efficiency</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Pig 54" pipeline from King's Bluff to 3 MG ground tank. Repair and/or replace air release valves and blow-offs.</li> </ul>			
<b>Justification:</b> <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>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #008000; width: 30px; height: 15px; margin: 2px;"></div> <div style="background-color: #ffff00; width: 30px; height: 15px; margin: 2px;"></div> <div style="background-color: #ff0000; width: 30px; height: 15px; margin: 2px;"></div> </div>			
<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>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Funding for 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>			
<b>Justification:</b> <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 2026 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>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> <div style="text-align: center;">▼</div> <div style="display: flex; justify-content: space-around; background-color: #0056b3; color: white; padding: 5px;"> <span>1</span> <span>2</span> <span>3</span> </div>			
<b>DURATION (MONTHS)</b>	12		
<b>REQUIRED COMPLETION</b>	2026		
<b>TOTAL ESTIMATED COST</b>	\$3,400,000*		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2025 - 2026	\$3,400,000		

\*Note: Subject to grant funding.





### KING'S BLUFF RAW WATER FACILITIES

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



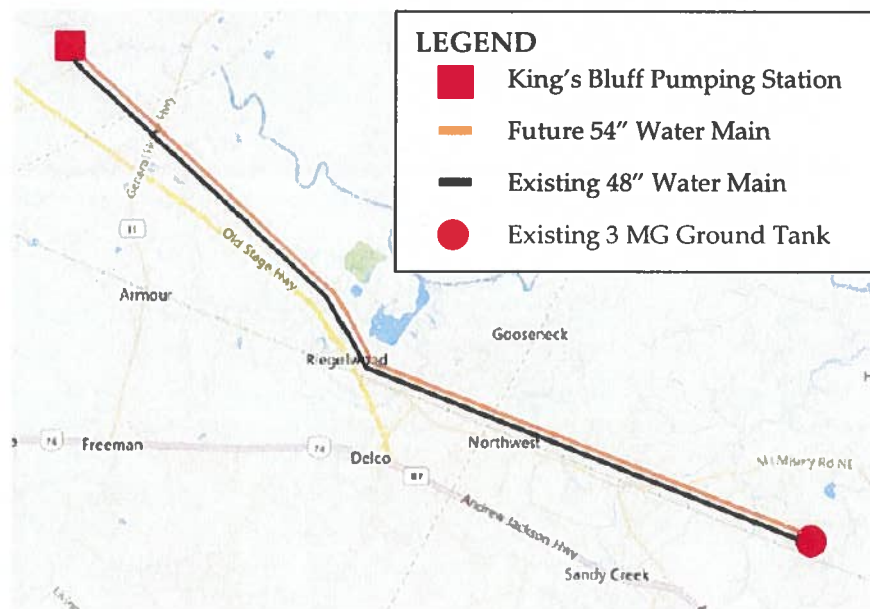
### KING'S BLUFF RAW WATER FACILITIES

<b>PROJECT TITLE</b>	New Surge Tank at King's Bluff		<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 at King's Bluff 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> </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 potentially create failures in the pipeline.</li> </ul>			
<b>Criticality:</b> <div style="text-align: center;">▼</div> <div style="display: flex; justify-content: space-around; background-color: #0056b3; color: white; padding: 5px;"> <span>1</span> <span>2</span> <span>3</span> </div>			
<b>DURATION (MONTHS)</b>	12		
<b>REQUIRED COMPLETION</b>	2044		
<b>TOTAL ESTIMATED COST</b>	\$1,300,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2043 - 2044	\$1,300,000		



### KING'S BLUFF RAW WATER FACILITIES

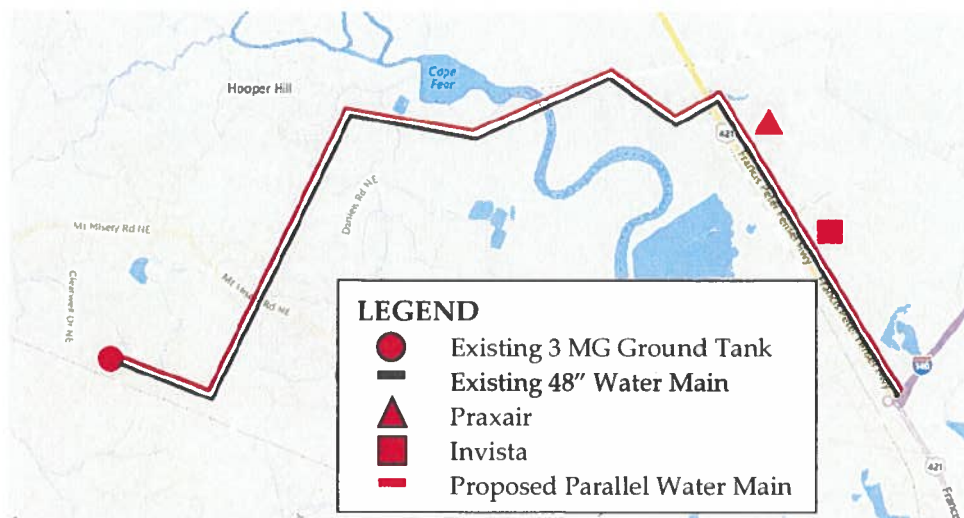
<b>PROJECT TITLE</b>	5 ROW Acquisitions		<b>KB 9</b>
<b>CATEGORY OF NEED:</b>	<b>Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Right-of-Way acquisitions along the existing 48" Raw Water Main from the King's Bluff Pump Station to the 3 MG Ground Tank.</li> </ul>			
<b>Justification:</b> <ul style="list-style-type: none"> <li>Required to access the existing line for maintenance and repairs.</li> </ul>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> ▼			
<div style="display: flex; justify-content: space-around; background-color: #0056b3; color: white; padding: 5px;"> <span style="background-color: green; width: 30px; height: 15px; display: inline-block;"></span> 1           <span style="background-color: yellow; width: 30px; height: 15px; display: inline-block;"></span> 2           <span style="background-color: red; width: 30px; height: 15px; display: inline-block;"></span> 3         </div>			
<b>DURATION (MONTHS)</b>	36		
<b>REQUIRED COMPLETION</b>	2028		
<b>TOTAL ESTIMATED COST</b>	\$310,000		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2025 - 2026	\$100,000		
2026 - 2027	\$100,000		
2027 - 2028	\$110,000		





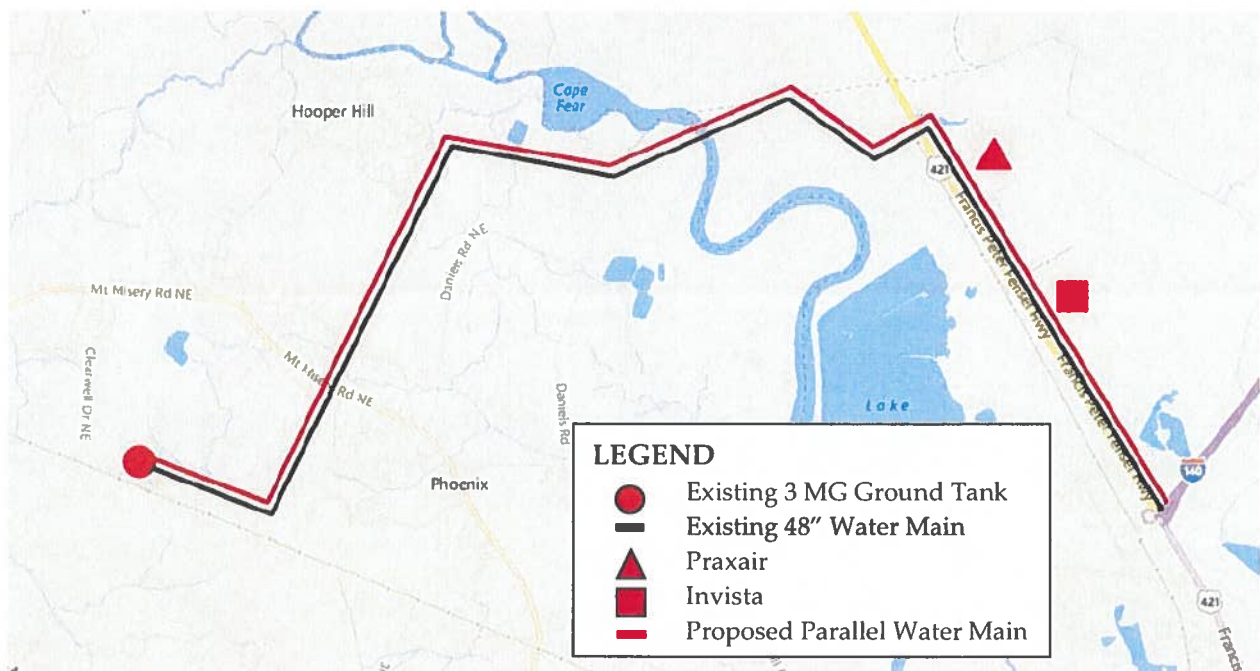
### KING'S BLUFF RAW WATER FACILITIES

<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> <div style="display: flex; justify-content: space-around; align-items: center;"> <span style="background-color: #008000; color: white; padding: 5px 10px;">1</span> <span style="background-color: #ffff00; color: black; padding: 5px 10px;">2</span> <span style="background-color: #ff0000; color: white; padding: 5px 10px;">3</span> </div>			
<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		



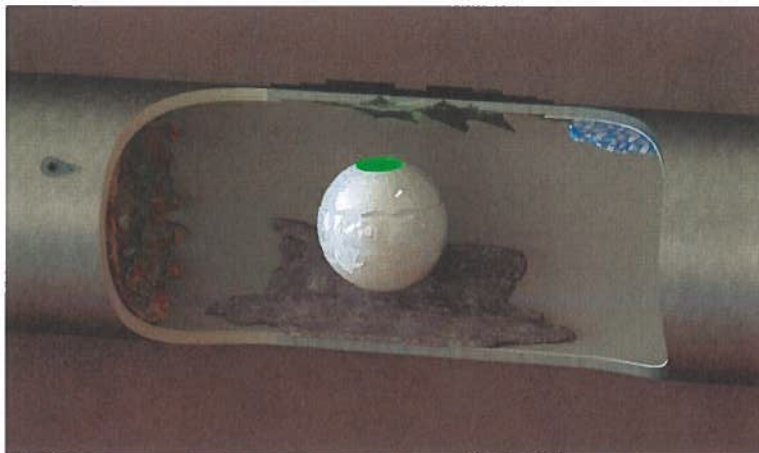
### KING'S BLUFF RAW WATER FACILITIES

<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> <div style="display: flex; justify-content: space-around; align-items: center;"> <span style="background-color: #008000; color: white; padding: 5px 10px;">1</span> <span style="background-color: #ffff00; color: black; padding: 5px 10px;">2</span> <span style="background-color: #ff0000; color: white; padding: 5px 10px;">3</span> </div>			
<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

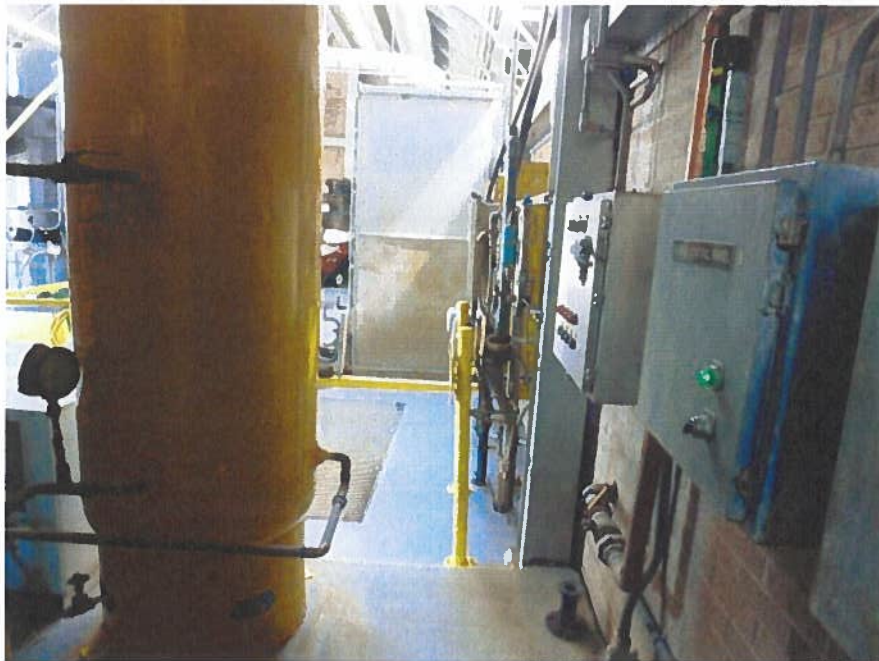
<b>PROJECT TITLE</b>	48" PCCP Leak Detection Project		<b>KB 12</b>
<b>CATEGORY OF NEED:</b>	<b>Renewal/Rehabilitation, Efficiency, Maintenance</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Maintenance</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Begin a Leak Detection Program on the existing 48-inch 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>			
<b>Justification:</b> <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>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> ▼			
1		2	
DURATION (MONTHS)		60	
REQUIRED COMPLETION		2029, 2034, 2039, 2044, 2049	
TOTAL ESTIMATED COST		\$1,500,000	
FISCAL YEAR		ANTICIPATED FISCAL YEAR EXPENDITURE	
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> ▼			
1		2	
3			
<b>DURATION (MONTHS)</b>		12	
<b>REQUIRED COMPLETION</b>		2028	
<b>TOTAL ESTIMATED COST</b>		\$150,000	
<b>FISCAL YEAR</b>		<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>	
2027-2028		\$150,000	



### KING'S BLUFF RAW WATER FACILITIES

<b>PROJECT TITLE</b>	Solar Power Study and Installation		<b>KB 14</b>
<b>CATEGORY OF NEED:</b>	<b>Efficiency/Redundancy</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>
Summary: <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>			
Justification: <ul style="list-style-type: none"> <li>Improves reliability and efficiency of the station by providing a redundant power source</li> </ul>			
Consequence of No Action: <ul style="list-style-type: none"> <li>Increased risk for power failure during emergency scenarios</li> </ul>			
Criticality: <div style="text-align: center;">▼</div>			
1		2	
3			
DURATION (MONTHS)		24	
REQUIRED COMPLETION		2032	
TOTAL ESTIMATED COST		\$3,000,000	
FISCAL YEAR		ANTICIPATED FISCAL YEAR EXPENDITURE	
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 2025-2050**

### KING'S BLUFF RAW WATER FACILITIES

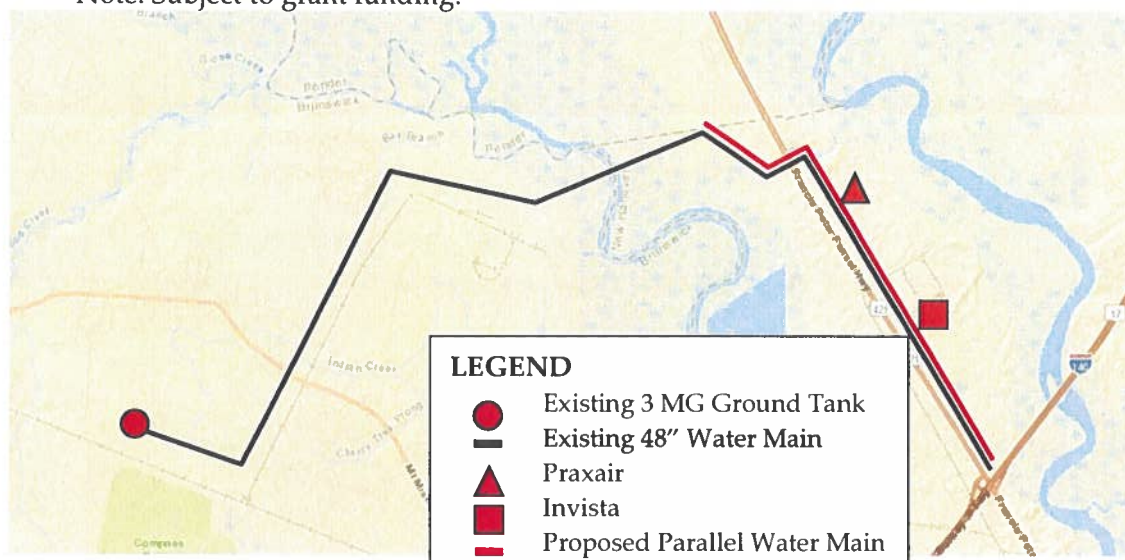
<b>PROJECT TITLE</b>	New 5 <sup>th</sup> Pump at King's Bluff Raw Water Pump Station		<b>CS 1</b>
<b>CATEGORY OF NEED:</b>	<b>Capacity</b>	<b>EXPENDITURE CATEGORY:</b>	<b>Expansion</b>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Provide a fifth raw water pump at King's Bluff Pumping Station to meet projected demands. (See #2 on legend in graphic below) Projected demands will exceed station firm capacity by 2062.</li> </ul>			
<b>Justification:</b> <ul style="list-style-type: none"> <li>Decrease load and run times on existing pumps to extend life and improve reliability.</li> </ul>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <span style="background-color: #008000; color: white; padding: 2px 10px;">1</span> <span style="background-color: #ffff00; color: black; padding: 2px 10px;">2</span> <span style="background-color: #ff0000; color: white; padding: 2px 10px;">3</span> </div>			
<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>
<b>Summary:</b> <ul style="list-style-type: none"> <li>Design and construction of approximately 3-miles of 48-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>			
<b>Justification:</b> <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>			
<b>Consequence of No Action:</b> <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>			
<b>Criticality:</b>			
▼			
<div style="display: flex; justify-content: space-around; width: 100%;"> <span style="background-color: #008000; color: white; padding: 5px 10px;">1</span> <span style="background-color: #ffff00; color: black; padding: 5px 10px;">2</span> <span style="background-color: #ff0000; color: white; padding: 5px 10px;">3</span> </div>			
<b>DURATION (MONTHS)</b>	24		
<b>REQUIRED COMPLETION</b>	2028		
<b>TOTAL ESTIMATED COST</b>	\$20,500,000*		
<b>FISCAL YEAR</b>	<b>ANTICIPATED FISCAL YEAR EXPENDITURE</b>		
2025 - 2026	\$100,000		
2026 - 2027	\$900,000		
2027 - 2028	\$19,500,000		

\*Note: Subject to grant funding.



# KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	100 MGD Reservoir		CS 3																																			
CATEGORY OF NEED:	Efficiency	EXPENDITURE CATEGORY:	Expansion																																			
Summary: <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>																																						
Justification: <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>																																						
Consequence of No Action: <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>																																						
Criticality: <div>▼</div> <table><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>DURATION (MONTHS)</td><td colspan="3">48</td></tr><tr><td>REQUIRED COMPLETION</td><td colspan="3">2033</td></tr><tr><td>TOTAL ESTIMATED COST</td><td colspan="3">\$81,100,000</td></tr><tr><td>FISCAL YEAR</td><td colspan="3">ANTICIPATED FISCAL YEAR EXPENDITURE</td></tr><tr><td>2025 - 2026</td><td colspan="3">\$100,000</td></tr><tr><td>2026 - 2027</td><td colspan="3">\$880,000</td></tr><tr><td>2031 - 2032</td><td colspan="3">\$8,700,000</td></tr><tr><td>2032 - 2033</td><td colspan="3">\$71,420,000</td></tr></table>				1	2	3	DURATION (MONTHS)	48			REQUIRED COMPLETION	2033			TOTAL ESTIMATED COST	\$81,100,000			FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE			2025 - 2026	\$100,000			2026 - 2027	\$880,000			2031 - 2032	\$8,700,000			2032 - 2033	\$71,420,000		
1	2	3																																				
DURATION (MONTHS)	48																																					
REQUIRED COMPLETION	2033																																					
TOTAL ESTIMATED COST	\$81,100,000																																					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE																																					
2025 - 2026	\$100,000																																					
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2031 - 2032	\$8,700,000																																					
2032 - 2033	\$71,420,000																																					





KING'S BLUFF RAW WATER FACILITIES

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

Project No.	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046	FY 2047	FY 2048	FY 2049	FY 2050	Totals
KB 1	New 4th Pump at King's Bluff (KBPS)	\$3.85	\$1.30																									\$5.15
KB 2	Rebuild High Service Pump Motor	\$0.50																										\$0.50
KB 3	New Generators							\$2.20	\$19.30																			\$21.50
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	\$3.40																										\$3.40
KB 7	Replace Raw Water Pumps 1, 4, 5								\$4.60					\$5.30			\$5.80											\$15.70
KB 8	New Surge Tank at KBPS																			\$1.30								\$1.30
KB 9	5 ROW Acquisitions	\$0.10	\$0.10	\$0.11																								\$0.31
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							\$0.30				\$0.30				\$1.50
KB 13	Surge Tank Control Panel Upgrades			\$0.15																								\$0.15
KB 14	Solar Power Study and Installation						\$0.50	\$2.50																				\$3.00

Cost Sharing Projects

CS 1	New 5 <sup>th</sup> Pump at King's Bluff																	\$2.00	\$5.10	\$2.30								\$9.40
CS 2	3-Mile 48" Parallel Raw Water Main	\$0.10	\$0.90	\$19.50																								\$20.50
CS 3	100 MGD Reservoir			\$0.10	\$0.88				\$8.70	\$71.42																		\$81.10
Total Fiscal Year Expenditure		\$7.95	\$2.30	\$23.46	\$1.39	\$0.00	\$0.50	\$4.70	\$23.90	\$9.00	\$71.42	\$1.80	\$0.00	\$5.30	\$0.30	\$0.00	\$5.80	\$4.10	\$5.10	\$3.90	\$0.00	\$2.00	\$5.10	\$2.30	\$0.30	\$0.00	\$0.00	\$171.22

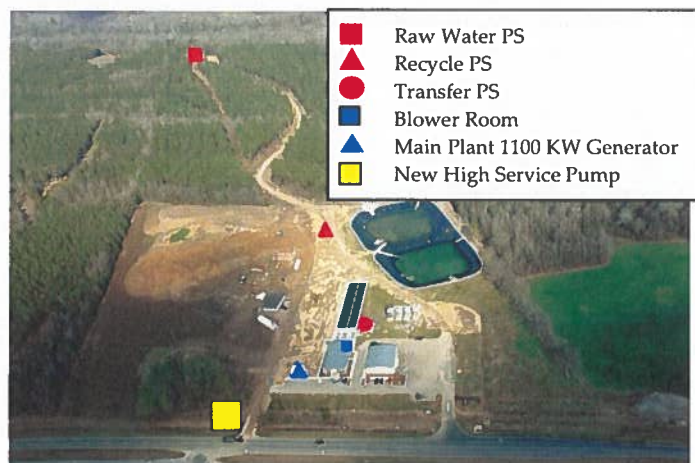
\* Intermediate Booster Pump Station Shelter, Intermediate Booster Pump Station Upgrade and 20 MG Ground Storage Tank Projects are no longer required due to expedited schedules of CS2, CS3 & CS4.

BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

**Bladen Bluffs Regional  
Surface Water Treatment Facility  
Capital Improvements Projects  
FY 2025-2050**

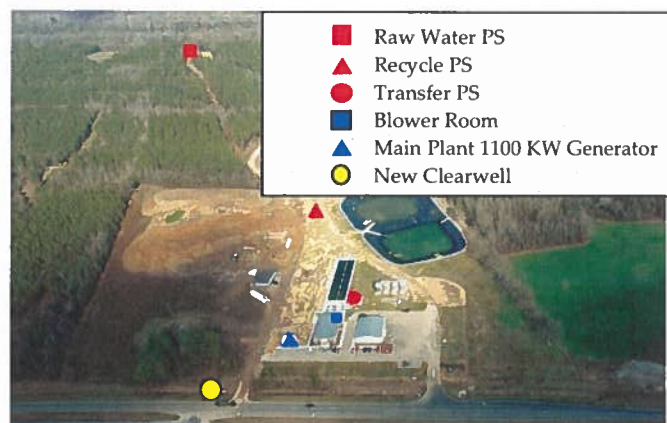
# BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	New High Service Pump Station		BB 1																											
CATEGORY OF NEED:	Capacity	EXPENDITURE CATEGORY:	Expansion																											
Summary: <ul style="list-style-type: none"><li>Construct a new high service pumping station to increase capacity.</li></ul>																														
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.																														
Justification: <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>																														
Consequence of No Action: <ul style="list-style-type: none"><li>The system will not have the required capacity to meet new customer demands.</li></ul>																														
Criticality: <div>▼</div> <table><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>DURATION (MONTHS)</td><td colspan="3">24</td></tr><tr><td>REQUIRED COMPLETION</td><td colspan="3">2030</td></tr><tr><td>TOTAL ESTIMATED COST</td><td colspan="3">\$5,740,000</td></tr><tr><td>FISCAL YEAR</td><td colspan="3">ANTICIPATED FISCAL YEAR EXPENDITURE</td></tr><tr><td>2028-2029</td><td colspan="3">\$790,000</td></tr><tr><td>2029-2030</td><td colspan="3">\$4,950,000</td></tr></table>				1	2	3	DURATION (MONTHS)	24			REQUIRED COMPLETION	2030			TOTAL ESTIMATED COST	\$5,740,000			FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE			2028-2029	\$790,000			2029-2030	\$4,950,000		
1	2	3																												
DURATION (MONTHS)	24																													
REQUIRED COMPLETION	2030																													
TOTAL ESTIMATED COST	\$5,740,000																													
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE																													
2028-2029	\$790,000																													
2029-2030	\$4,950,000																													



### BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

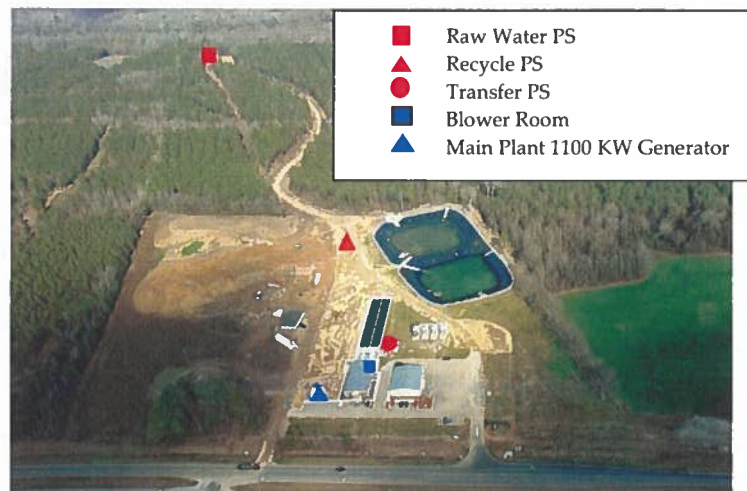
PROJECT TITLE	Construct New 1 MG Capacity Clearwell		BB 2
CATEGORY OF NEED:	Capacity	EXPENDITURE CATEGORY:	Expansion
Summary: <ul style="list-style-type: none"><li>Construct clearwell to meet future customer finished water storage capacity.</li></ul> <p><i>Note: Currently Smithfield Farmland Company (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> Justification: <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> Consequence of No Action: <ul style="list-style-type: none"><li>The system will not have the required capacity to meet new customer demands.</li></ul> Criticality: <div><div>▼</div><div><div>1</div><div>2</div><div>3</div></div></div>			
DURATION (MONTHS)		24	
REQUIRED COMPLETION		2030	
TOTAL ESTIMATED COST		\$4,090,000	
FISCAL YEAR		ANTICIPATED FISCAL YEAR EXPENDITURE	
2028-2029		\$790,000	
2029-2030		\$3,300,000	





### BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

<b>PROJECT TITLE</b>	Replace Three (3) Pumps at the Raw Water Pump Station		<b>BB 3</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 three (3) aging pumps at 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> <div style="display: flex; justify-content: space-around; align-items: center;"> <span style="background-color: green; color: white; padding: 2px 10px;">1</span> <span style="background-color: yellow; color: black; padding: 2px 10px;">2</span> <span style="background-color: red; color: white; padding: 2px 10px;">3</span> </div>			
<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

PROJECT TITLE	Replace Blower in the Blower Building		BB 4			
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance			
Summary: <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>						
Justification: <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>						
Consequence of No Action: <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>						
Criticality: <div>▼</div> <table><tr><td>1</td><td>2</td><td>3</td></tr></table>				1	2	3
1	2	3				
DURATION (MONTHS)	12					
REQUIRED COMPLETION	2033					
TOTAL ESTIMATED COST	\$190,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2032-2033	\$190,000					



# BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Replace Three (3) Pumps at the Recycle Pump Station		BB 5													
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance													
Summary: <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> Justification: <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> Consequence of No Action: <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> Criticality: <div><div>▼</div><table><tr><td>1</td><td>2</td><td>3</td></tr></table></div> <table><tr><td>DURATION (MONTHS)</td><td>12</td></tr><tr><td>REQUIRED COMPLETION</td><td>2036</td></tr><tr><td>TOTAL ESTIMATED COST</td><td>\$330,000</td></tr><tr><td>FISCAL YEAR</td><td>ANTICIPATED FISCAL YEAR EXPENDITURE</td></tr><tr><td>2035-2036</td><td>\$330,000</td></tr></table>				1	2	3	DURATION (MONTHS)	12	REQUIRED COMPLETION	2036	TOTAL ESTIMATED COST	\$330,000	FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE	2035-2036	\$330,000
1	2	3														
DURATION (MONTHS)	12															
REQUIRED COMPLETION	2036															
TOTAL ESTIMATED COST	\$330,000															
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE															
2035-2036	\$330,000															





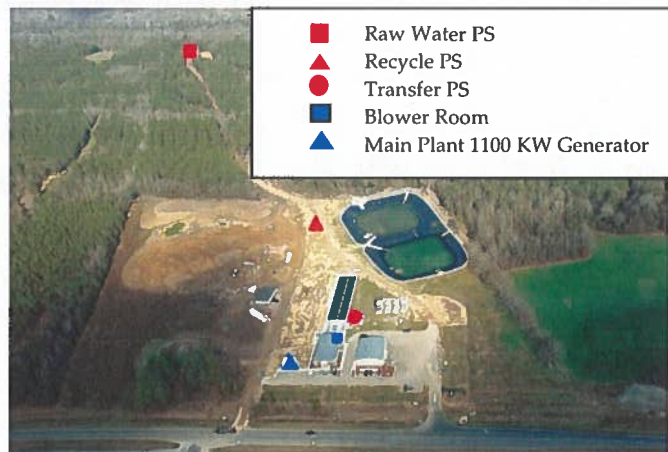
# BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Replace Three (3) Pumps at the Transfer Pump Station		BB 6										
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance										
Summary: <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> Justification: <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> Consequence of No Action: <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> Criticality: <div><div>1</div><div>2</div><div>3</div></div> <table><tr><td>DURATION (MONTHS)</td><td>12</td></tr><tr><td>REQUIRED COMPLETION</td><td>2036</td></tr><tr><td>TOTAL ESTIMATED COST</td><td>\$550,000</td></tr><tr><td>FISCAL YEAR</td><td>ANTICIPATED FISCAL YEAR EXPENDITURE</td></tr><tr><td>2035-2036</td><td>\$550,000</td></tr></table>				DURATION (MONTHS)	12	REQUIRED COMPLETION	2036	TOTAL ESTIMATED COST	\$550,000	FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE	2035-2036	\$550,000
DURATION (MONTHS)	12												
REQUIRED COMPLETION	2036												
TOTAL ESTIMATED COST	\$550,000												
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE												
2035-2036	\$550,000												



# BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Replace Two (2) Generators at the Site		BB 7
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance
Summary: <ul style="list-style-type: none"><li>Routine replacement of two (2) aging on-site generators.</li></ul>			
<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>			
Justification: <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>			
Consequence of No Action: <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>			
Criticality: <div>▼</div> <div><div>1</div><div>2</div><div>3</div></div>			
DURATION (MONTHS)		24	
REQUIRED COMPLETION		2038	
TOTAL ESTIMATED COST		\$1,680,000	
FISCAL YEAR		ANTICIPATED FISCAL YEAR EXPENDITURE	
2036-2037		\$460,000	
2037-2038		\$1,220,000	



# BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Bladen Bluffs Expansion Study		BB 8
CATEGORY OF NEED:	Capacity	EXPENDITURE CATEGORY:	Expansion
Summary: <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>			
Justification: <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>			
Consequence of No Action: <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>			
Criticality: <div>▼</div> <div><div>1</div><div>2</div><div>3</div></div>			
DURATION (MONTHS)	12		
REQUIRED COMPLETION	2028		
TOTAL ESTIMATED COST	\$500,000		
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE		
2027-2028	\$500,000		



## BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

## Annual Fiscal Year Budget Breakdown (In Millions of Dollars)

Project No.	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046	FY 2047	FY 2048	FY 2049	FY 2050	Totals
BB 1	New High Service Pump Station				\$0.79	\$4.95																						\$5.74
BB 2	Construct New 1 MG Capacity Clearwell				\$0.79	\$3.30																						\$4.09
BB 3	Replace (3) Pumps at Raw Water Pump Station								\$0.48																			\$0.48
BB 4	Replace Blower in Blower Building								\$0.19																			\$0.19
BB 5	Replace (3) Pumps at the Recycle Pump Station											\$0.33																\$0.33
BB 6	Replace (3) Pumps at the Transfer Pump Station											\$0.55																\$0.55
BB 7	Replace (2) Generators at the Site												\$0.46	\$1.22														\$1.68
BB 8	Bladen Bluffs Expansion Study			\$0.50																								\$0.50
Total Fiscal Year Expenditure				\$0.50	\$1.58	\$8.25			\$0.67			\$0.88	\$0.46	\$1.22														\$13.56

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



Total Annual Fiscal Year Budget Breakdown											
Item	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Totals
OPERATION PROJECTS BUDGET											
ROW Maintenance	\$75,000	\$75,000	\$75,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$1,275,000
SCADA Improvements	\$158,000									\$175,000	\$333,000
Anti-Vortexing Improvements	\$50,000	\$50,000									\$100,000
Meter and Valve Upgrades/Replacements					\$150,000						\$150,000
VFD Replacements	\$290,000										\$290,000
Renewal and Replacement Transfer	\$750,000			\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$4,250,000
Miscellaneous	\$30,000	\$30,000	\$30,000	\$30,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$420,000
<b>Total Operations Annual Fiscal Year Expenditure</b>	<b>\$1,353,000</b>	<b>\$155,000</b>	<b>\$105,000</b>	<b>\$680,000</b>	<b>\$850,000</b>	<b>\$700,000</b>	<b>\$700,000</b>	<b>\$700,000</b>	<b>\$700,000</b>	<b>\$875,000</b>	<b>\$8,818,000</b>
CAPITAL PROJECTS BUDGET											
KB1 - New 4th Pump at King's Bluff (KBPS)	\$3,850,000	\$1,300,000									\$5,150,000
KB2 - Rebuild High Service Motor Pumps	\$500,000										\$500,000
KB3 - New Generators							\$2,200,000	\$19,300,000			\$21,500,000
KB6 - Walkway and Air Backwash Building Replacement	\$3,400,000										\$3,400,000
KB7 - Replace Raw Water Pumps 1, 4, 5								\$4,600,000			\$4,600,000
KB9 - ROW Acquisitions	\$100,000	\$100,000	\$110,000								\$310,000
KB10 - 48-inch PCCP Inspection and Pig - Ground Tank to U5421			\$2,600,000	\$210,000							\$2,810,000
KB11 - 48-inch PCCP Repairs			\$1,000,000								\$1,000,000
KB12 - 48-inch Leak Detection Project				\$300,000							\$300,000
KB13 - Surge Tank Control Panel Upgrades			\$150,000								\$150,000
KB14 - Solar Power Study and Installation							\$2,500,000				\$3,000,000
CS2 - 3-Mile 48" Parallel Raw Water Main	\$100,000	\$900,000	\$19,500,000								\$20,500,000
CS3 - 100 MGD Reservoir			\$100,000	\$880,000					\$8,700,000	\$71,420,000	\$81,100,000
<b>Total Capital Annual Fiscal Year Expenditure</b>	<b>\$7,950,000</b>	<b>\$2,300,000</b>	<b>\$23,360,000</b>	<b>\$1,390,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$4,700,000</b>	<b>\$23,900,000</b>	<b>\$8,700,000</b>	<b>\$71,420,000</b>	<b>\$144,220,000</b>
<b>Total Annual Fiscal Year Expenditure</b>	<b>\$9,303,000</b>	<b>\$2,455,000</b>	<b>\$23,465,000</b>	<b>\$2,070,000</b>	<b>\$850,000</b>	<b>\$1,200,000</b>	<b>\$5,400,000</b>	<b>\$24,600,000</b>	<b>\$9,400,000</b>	<b>\$72,295,000</b>	<b>\$151,038,000</b>