

AGENDA
Lower Cape Fear Water & Sewer Authority
1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina
8:15 a.m. – Personnel Committee Meeting
March 9, 2026

MEETING CALL TO ORDER: Chairman Phillips

DISCUSSION: LCFWASA Board Member Remote Participation Policy and Procedure

ACTION/DIRECTION: Recommend for Board Approval

FUTURE MEETINGS: TBD

ADJOURNMENT



LCFWASA Board Member Remote Participation Policy and Procedure

WHEREAS, the Board of Directors (Board) of the Lower Cape Fear Water and Sewer Authority (LCFWASA) acknowledges that Board member attendance at Board meetings is essential for Board members to perform their official duties and to add to the diversity of thought and opinion in the Board's deliberations;

WHEREAS, the Board strongly encourages its members to be physically present for all Board meetings. The Board recognizes, however, that extenuating circumstances may prevent a member from being physically present at a meeting;

WHEREAS, the Board further recognizes that advances in online, audio and video conferencing technology make it possible for members in remote locations to communicate and deliberate effectively with each other during meetings via electronic methods which provide for simultaneous communication;

WHEREAS, the Board also recognizes that allowing Board members to participate remotely in meetings will help ensure full participation of the Board at its meetings.

NOW THEREFORE, in order to promote full participation of Board members at meetings while also ensuring access and transparency for the public as required by the Open Meetings Law, the Board authorizes its members to participate remotely in Board meetings subject to the following rules and requirements:

A. AUTHORIZED CIRCUMSTANCES FOR REMOTE PARTICIPATION. The Board authorizes remote participation by its members in any meeting of the Board consistent with the following conditions and requirements for a maximum of five times a calendar year.

1. A Board member may attend a meeting and participate in Board deliberations and decisions by remote participation if the member is prevented from physically attending the meeting due to any of the following reasons:

- a. personal illness or disability
- b. out-of-town travel
- c. unexpected lack of child-care
- d. family member illness or emergency
- e. weather conditions
- f. military service
- g. employment obligations
- h. an unavoidable scheduling conflict

Remote participation is not intended to be used solely for a Board member's convenience.

2. Acceptable means of remote participation include telephone-, Internet-, or satellite enabled audio or video conferencing, or any other technology that provides for simultaneous communication during the meeting and enables the remote member(s) and all persons present at the Meeting location to be clearly audible to one another. "Simultaneous communication" shall mean any communication by conference telephone, conference video, or other electronic means. Text messaging, instant messaging, email, and web chat without audio are not acceptable means of remote participation.

3. No Board member may participate remotely more than five times during a calendar year; provided however, that in justifiable circumstances, the Board may, by majority vote, agree to waive this limitation.

B. CONDITIONS AND REQUIREMENTS FOR REMOTE PARTICIPATION.

1. A Board member may participate remotely only when the acceptable means of simultaneous communication allows for the member who is participating remotely to do all of the following:

- a. Hear what is said by other members of the Board.
- b. Hear what is said by any individual addressing the Board.
- c. To be heard by all members of the Board when speaking to the Board.
- d. To be heard by all other persons present at the meeting location.

2. A Board member participating remotely will be considered present at the meeting for purposes of establishing a meeting quorum only during the period where simultaneous communication is maintained for that member.

3. A Board member considered present through remote participation will be permitted to vote on any action item at the meeting except:

- a. any item for which the member was not participating remotely during the entire discussion and deliberation of the matter preceding the vote; and
- b. any item that was being discussed when an interruption to the electronic communication occurred, if the Board's discussion was not suspended during the interruption. A brief loss of simultaneous communication will not disqualify the member from voting on the matter under discussion.

4. A Board member may participate remotely in a closed session of the Board provided the member provides assurance to the Board that no other person is able to hear, see, or otherwise participate in the closed session from the remote location.

C. PROCEDURE FOR REMOTE PARTICIPATION.

1. A Board member who desires to participate in a meeting remotely shall use his or her best efforts to notify the Chair or Executive Director at least one business day prior to the Meeting so that necessary arrangements for remote participation can be made.
2. The Chair or the Chair's designee at the meeting location shall initiate contact with the Board member prior to the start of the Meeting to secure remote participation.
3. The Chair shall announce the remote participant and the means of remote participation at the beginning of the meeting.
4. Any Board member participating remotely must identify himself or herself in each of the following situations:
 - a. When the roll is taken or the meeting is commenced.
 - b. Prior to participating in the deliberations, including making motions, proposing amendments, and raising points of order.
 - c. Prior to voting.
5. The Chair may decide how to address technical difficulties that arise when utilizing remote participation.
6. When possible, the Chair should temporarily suspend discussion while reasonable efforts are made to correct any problem that interferes with the ability of a member who is participating remotely to hear or be heard clearly by all persons present at the Meeting location and by any other Board members who may also be participating remotely at that meeting. If, however, the technical difficulties distract from or impede the orderly progress of the meeting, a majority of the members physically present may vote to end the remote participation.
7. A Board member participating remotely shall notify the Chair if leaving the meeting before it is adjourned or rejoining the meeting after a period of absence.
8. All votes taken during any meeting where a Board member is participating remotely will be by roll call voice vote.
9. All remote participation will be noted in the official Board minutes. Any interruption to or discontinuation of the Board member's remote participation will also be noted in the minutes.
10. The Executive Director is directed to provide the technology sufficient to implement this policy in accordance with all applicable laws.

D. NOT EXCLUSIVE. This remote participation policy is intended to apply when there is no declaration of emergency under N.C.G.S. sec. 166A-19.20 in effect. Upon the issuance of a declaration of emergency under N.C.G.S. sec. 166A-19.20, the provisions of N.C.G.S. sec. 166A-19.24 and any other applicable statutes or regulations shall control.

AGENDA
Lower Cape Fear Water & Sewer Authority
1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina
8:30 a.m. – Finance Committee Meeting
March 9, 2026

MEETING CALL TO ORDER: Chairman Phillips

PRESENTATION: PowerPoint for Fiscal 2026-2027 Budget

DISCUSSION: Directors' Comments and Questions

ACTION/DIRECTION: Schedule final review for May 11, 2026, at 8:30 am prior to Regular Meeting and Public Hearing

FUTURE MEETINGS: TBD

ADJOURNMENT



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

MEETING CALL TO ORDER: Chairman Phillips

INVOCATION

PLEDGE OF ALLEGIANCE

APPROVAL OF CONSENT AGENDA

- C1** – Minutes of February 9, 2025, Regular Board Meeting
- C2** – Kings Bluff Monthly Operations and Maintenance Report
- C3** – Bladen Bluffs Monthly Operations and Maintenance Reports
- C4** – Line-Item Adjustment for January 31, 2026

PRESENTATION: Wilson Hudson with Duke Energy to review Transition of DRA Participant to New DEP PowerShare Program

NEW BUSINESS

- NB1** – Resolution Approving Agreement for Governmental Affairs Consulting and Legislative Lobbying Services
- NB2** – Resolution to Approve Lump Sum Proposal No. 2 for Project #2, Phase 3, of Phased 10-Mile Parallel Raw Water Line Project
- NB3** – Resolution Authorizing Amendment to Owner-Advisor’s Scope of Services for Project #2, Phased 10-Mile Parallel Raw Water Line Project

ENGINEER’S COMMENTS

ATTORNEY COMMENTS

EXECUTIVE DIRECTOR REPORT

- EDR1** – Comments on Customers’ Water Usage and Raw Water Revenue for Fiscal Year to Date Ending February 28, 2026
- EDR2** – Operating Budget Status, Ending January 31, 2026
- EDR3** – Summary of Activities

DIRECTOR’S COMMENTS AND/OR FUTURE AGENDA ITEMS

PUBLIC COMMENT

CLOSED SESSION

CS1 – Closed Session in accordance with N.C.G.S. §143-318. 11(a)(3) to discuss with our attorney a matter within the attorney-client privilege

ADJOURNMENT

The next board meeting of the Lower Cape Fear Water & Sewer Authority is scheduled for Monday, April 13th at 9:00 a.m. in the Authority’s office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.

AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: March 9, 2026

Re: Consent Agenda

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

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 February 9, 2026, Regular Board Meeting
- C2** – Kings Bluff Monthly Operations and Maintenance Report
- C3** – Bladen Bluffs Monthly Operations and Maintenance Report
- C4** – Line-Item Adjustment for January 31, 2026

Action Requested: Motion to approve/disapprove Consent Agenda.

Lower Cape Fear Water & Sewer Authority
Regular Board Meeting Minutes
February 9th, 2026

Chairman Phillips called to order the Authority meeting scheduled on February 9th, 2026, at 9:00 a.m. and welcomed everyone present. The meeting was held at the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina. Director Leonard gave the invocation.

Roll Call by Vice-Chairman Leonard:

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

Present by Virtual Attendance: None

Absent: Chakema Clinton-Quintana and Bill Saffo

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

Guests Present: Stephen McAleer, Computer Warriors; David Carson, Brunswick County Kings Bluff Water Resource Supervisor; Chris Giesting, Brunswick County Water Resources Manager; Benjamin Kearns, Cape Fear Public Utility Authority Water Resources Manager Water Treatment; Ken Waldroup, Cape Fear Public Utility Authority Executive Director; David Fournier, HDR Construction Services; Sam Shumate, Electus Governmental Affairs; Colby Sawyer, Pender County Manager

Guests Virtual Attendance: Heidi Cox, NC DEQ Regional Engineering Supervisor, Division of Water Infrastructure; Aaron Smith, Brunswick County Director of Fiscal Operations; Eileen Callori, Brunswick County Deputy Finance Officer; John Nichols, Brunswick County Public Utilities Director; Kevin Morris, Cape Fear Public Utility Authority Deputy Director; James Proctor, Pender County Interim Utilities Director; Erin Jones, Pender County Utilities Water Treatment Plant Superintendent; Will Shull, HDR Associate Vice President

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

REVISING THE AGENDA

Chairman Phillips requested the Board's consideration to revise the agenda by combining NB2, NB3, and NB4 for the matter of appointing Chakema Clinton- Quintana to the Finance, Personnel, and Long-Range Planning Committees. Also, Chairman Phillips would like to add EDR3, the Executive Director's Summary of Activities, to the Executive Director Reports.

Motion: Director Leonard **MOVED**; seconded by Director Buchanan, approval of revising the agenda. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

APPROVAL OF CONSENT AGENDA

C1 – Minutes of January 12, 2026, Regular Board Meeting

C2 – Kings Bluff Monthly Operations and Maintenance Report

C3 – Bladen Bluffs Monthly Operations and Maintenance Reports

C4 – Line-Item Adjustment for December 31, 2025

Motion: Director DeVane **MOVED**; seconded by Director Knight, approval of the Consent Agenda Items. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

PRESENTATION TO: Charlie Rivenbark, City of Wilmington, by Chairman Scott Phillips

Chairman Phillips stated the Board has a certificate and gift card for Charlie Rivenbark in recognition and appreciation for his distinguished service to the Authority since 2016. Mr. Rivenbark was not present.

PRESENTATION: Sam Shumate, Electus Governmental Affairs Update

Sam Shumate wanted to thank the board members who attended the Legislative luncheon in January 2026. Mr. Shumate advised that this is a great way to keep issues and concerns in front of Raleigh representatives. Regarding state funding, the Authority's primary legislative request during the last session was approximately \$5 million for the Fourth Pump Station project. Due to the absence of an approved state budget, no funding was provided at the General Assembly level. The budget outlook in Raleigh remains uncertain, though leadership has indicated its intent to pass a budget this year. Legislative representatives will continue to monitor developments and pursue all viable avenues for funding.

At the federal level, outreach efforts began shortly after engagement last year. Working in coordination with staff, the Authority successfully secured \$750,000 in federal earmark funding for the Kings Bluff Pump Station project. While this does not cover the full project cost, it represents meaningful progress and strengthens future funding requests.

NEW BUSINESS**NB1- Election of New Secretary to the Authority's Board of Directors Officers for the remaining term of 2026**

Chairman Phillips appointed Chakema Clinton-Quintana as the Secretary.

Motion: Director Edge **MOVED**; seconded by Director Buchanan, approval of the Election of New Secretary to the Authority's Board of Directors Officers for the remaining term of 2026. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

NB2, NB3, & NB4 - Appointment of Chakema Clinton-Quintana to the Calendar Year 2026 Finance Committee, Personnel Committee, and Long-Range Planning Committee by Chairman Phillips

Chairman Phillips appointed Chakema Clinton-Quintana as the Secretary to the Finance, Personnel, and Long-Range Planning Committees.

Motion: Director Zapple **MOVED**; seconded by Director Buchanan, approval of the Appointment of Chakema Clinton-Quintana to the Calendar Year 2026 Finance Committee, Personnel Committee, and Long-Range Planning Committee by Chairman Phillips. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

NB5- Budget Amendment #1

Motion: Director DeVane **MOVED**; seconded by Director Williams, approval of the Budget Amendment #1. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

NB6- Resolution Awarding Annual Audit Contract for Fiscal Year Ending June 30, 2026, to Thompson, Price, Scott, Adams & Co. P.A. in the Amount of \$9,000.00

Motion: Director Knight **MOVED**; seconded by Director Williams, approval of the Resolution Awarding Annual Audit Contract for Fiscal Year Ending June 30, 2026, to Thompson, Price, Scott, Adams & Co. P.A. in the Amount of \$9,000.00. 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 November 30, 2025**

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

DIRECTOR'S COMMENTS AND/OR FUTURE AGENDA ITEMS

No comments.

PUBLIC COMMENT

No comments.

CLOSED SESSION

Chairman Phillips requested a motion to go into a closed session in accordance with NCGS §143-318.11(a)(3) to discuss with our attorney a matter within the attorney-client privilege.

Motion: Director Williams **MOVED**; seconded by Director Leonard, to go into closed session in accordance with N.C.G.S. §143-318.11(a)(3) to discuss with our attorney a matter within the attorney-client privilege). Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

At 9:24 a.m., the board went into closed session. At 9:50 a.m., the board returned to open session. Discussion only; no action taken.

ADJOURNMENT

There being no further business, Chairman Phillips adjourned the meeting at 9:54 a.m.

Respectfully Submitted:

Chakema Clinton-Quintana, Secretary

BRUNSWICK COUNTY PUBLIC UTILITIES

Kings Bluff Pump Station/LCFWASA

246 Private Rd. 703
Riegelwood, NORTH CAROLINA 28456MAILING ADDRESS
P. O. Box 249
BOLIVIA, NORTH CAROLINA 28422TELEPHONE (910) 655-4799
FAX (910) 655-4798**TO: Tim Holloman****FROM: David Carson****DATE: 3/1/2026****SUBJECT: Monthly maintenance report for February 2026**

Mr. Holloman,

The Maintenance and Operations of the King's Bluff facility (KB) for the month of February 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.

Items Highlighted in yellow were on Annual Inspection

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

KB personnel successfully completed Power Share as per agreement with Duke Energy 02/02/26 Winter Storm, temperatures were in the teens that morning and we were load shedding for five hours from 5:00am until 10:00am that morning, Kings Bluff was also on standby for Power Share event on 02/01/26 starting at 5:00am, which we did not get called on to perform.

KB personnel continued painting electrical room, generator room, and spare room of generator building till completion.

KB personnel inspected R.O.W. (Right of way) Raw Tank and Booster Pumps after weather event 02/01-02/26 as the temperatures were in the teens with the Winter Storm.

KB personnel assisted McKim and Creed with air back wash system/surge tank planning.

KB personnel painted doors of generator building and installed hazard warning signs throughout generator building.

KB personnel have been inspecting the Right Of Ways (ROW) as L.J. has been cutting the ROW. The first cutting is complete.

KB personnel scrapped and painted all three (3) Generator Building exhaust fan covers/duct as well as removed old duct tape and replaced that with proper metal tape.

KB personnel scrapped all overspray from spray foam insulation project from piping and around generator building then proceeded to paint throughout generator building.

KB personnel scrap and cleaned first purlin of I-beams for aesthetics and vacuumed up debris. (spray foam insulation project)

KB personnel painted stub out on floor in generator building.

KB personnel blew off light fixtures in generator building.

KB personnel changed out old lights bulbs in Generator building for new lights bulbs.

KB personnel assisted Sanford Electric with inspection and verifying the proper grounding of transformer TX2(4160v) that feeds MCC-2 (Motor Control Center) (480v) that is supplying power to the VFD cooling fan(480v) on the TMEIC VFDs

KB personnel installed hearing protection stations at generator building.

KB personnel installed new vanity lights in both bathrooms at Kings Bluff office.

KB personnel assembled and installed new corner cabinets in both bathrooms.

KB personnel in coordination with Underwood Pump performed pump capacity test on pumps 1,2, & 3.

Contractors:

Rogers' Excavating completed L.C.F.W.A.S.A. Laydown Yard

Power Generation (Quarterly minor PMs)

Underwood Pump

Sanfor Electric

O'Brien H.V.A.C.

Landmark Integrations camera system(quotes)

United Rental/Scissor Lift

McKim & Creed

LJ's land management continued to cut R.O.W. (right of way)

David Carson

Smithfield®

To: Tim Holloman - LCFWASA

From: James Kern – Bladen Bluffs SWTP ORC

Date: 3/2/26

Subject: February 2026 Operations

During the month of February, Bladen Bluffs SWTP operated a total of 20 days, treating 56.83 million gallons of water.

We used:

31,693 lbs. of aluminum sulfate (Alum)

7,505 lbs. of sodium hydroxide (Caustic)

1,002 lbs. of sodium hypochlorite (2,012 gallons of 6% Chlorine Bleach)

James Kern
Water Treatment Plant
Supervisor

(910) 862-3114
(910) 862-3146
(910) 733-0016 mobile
jkern@smithfield.com

Smithfield
Good food. Responsibly.®

Bladen Bluffs Surface Water Treatment
Plant
17014 Highway 87 West
Tar Heel, NC 28392
www.smithfieldfoods.com

Bladen Bluffs SWTP Maintenance Report

Date: 3/3/2026

ISSUE:

PLAN OF ACTION:

All PLC need updated	Quote received...plan to order hardware and schedule install/update soon
Vault intrusion electrical needs replaced	Parts arrived – scheduling install when SEC here for large electrical repair
Wooden walkway to river needs replacement	Planning with Jess Powell for concrete structure
Transfer pump #2 NA	Bad wire – temp fix. Scheduling for when SEC here for large electrical repair – Pump available
Look into replacing worn out safety signs	Received Signage
Outdoor digital displays no good	Ordering new
RWPS level indicator not working	Electrical issue – temp fix
Need insulation repair in a few areas	Scheduled March 17/18
Few lights out in parking lot	Scheduled March 17/18 with man lift here
Lawn mower and RTV need PM	COMPLETE

Monthly Operating Reports (MORs) Summary

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

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

Combined Filter Effluent (CFE) Turbidity

Samples exceeding 1 NTU (count): <u>0</u>	Number of samples required: <u>106</u>
Samples exceeding .3 NTU (count): <u>0</u>	Number of samples taken: <u>106</u>
Samples exceeding .3 NTU (pct): <u>0.0%</u>	Highest single turbidity reading NTU: <u>0.167</u>
	Monthly average turbidity NTU: <u>0.069</u>

Individual Filter Effluent (IFE) Turbidity

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

Entry Point Residual Disinfectant Concentration (EPRD)

Disinfectant Used <u>Chlorine</u>	Number of samples required <u>106</u>
Minimum EPRD concentration <u>1.0000</u>	Number of samples taken <u>106</u>

Distribution Residual Disinfectant Concentration

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

Contact Time (CT) Ratio

Lowest CT ratio reading <u>11.60</u>	Number of CT ratios required <u>20</u>
Number of CT ratios below 1.0 <u>0</u>	Number of CT ratios calculated <u>20</u>

Remarks From General Info Worksheet

PLANT OPS: On 2/9 temporarily dosed pre-disinfectant from tote at settled location. Flex line clogged. Repair on 2/10, placed back in service

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 February, 2026 and that records documenting compliance with this rule are maintained on the premises and available for inspection upon request.

NCDENR/DEH PWSS Version: V02.10-00	COMPLETED BY: James Kern	CERTIFICATE GRADE: A - Surface
	CERTIFICATE NUMBER: 120147	

CONSENT AGENDA (C4)	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 01/31/2026

Operating Fund:	Line-Item Budget Amount prior to Adjustment	Decrease	Increase	Budget Amount as of 01/31/2026
Expenses				
4046-00 Professional Services General	\$150,000		\$60,000	\$210,000
4062-01 Office Equipment	\$35,000		\$15,000	\$50,000
4065-01 Telephone and Internet	\$5,500		\$1,600	\$7,100
4520-01 Utilities/Energy Kings Bluff	\$778,052	\$(76,600)		\$701,452
Total	\$968,552	\$(76,600)	\$76,000	\$968,552

AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM HOLLOMAN, EXECUTIVE DIRECTOR

Date: March 9, 2026

Re: RESOLUTION APPROVING AGREEMENT FOR
GOVERNMENTAL AFFAIRS CONSULTING AND
LEGISLATIVE LOBBYING SERVICES

Background: LCFWASA needs regular engagement with state and federal legislators on matters impacting the five counties of the regional authority. To support these efforts, staff recommends entering into an agreement with Electus Governmental Affairs, Inc., a firm with extensive experience in legislative advocacy, to assist with governmental affairs consulting and lobbying efforts. The agreement includes monitoring legislation, advocating for key funding priorities, and providing strategic advice throughout the legislative cycle.

Staff contacted multiple firms that provide governmental affairs and legislative lobbying services as part of the evaluation process. While several firms expressed interest, their proposed fees significantly exceeded the fees of Electus Governmental Affairs, Inc.

After careful consideration, Electus Governmental Affairs, Inc., was selected based on their competitive pricing, strong qualifications, and demonstrated experience representing similar agencies.

At the April 14, 2025, meeting, the Board selected EGA to provide governmental affairs and lobbying services. LCFWASA now seeks to expand the scope to include Federal regulatory, budgetary, and legislative lobbying services.

EGA has submitted a proposal effective March 10, 2026, in the annual amount of \$84,000, billed in monthly increments of \$7,000, which will supersede the existing contract.

Action Requested: Motion to approve/disapprove.

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY RESOLUTION APPROVING
AGREEMENT FOR GOVERNMENTAL AFFAIRS CONSULTING AND
LEGISLATIVE LOBBYING SERVICES**

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

WHEREAS, as the largest regional water system in Eastern North Carolina, LCFWASA recognizes the importance of having a professional consultant and advocate working on LCFWASA’s behalf in governmental affairs and legislative lobbying;

WHEREAS, after contacting three reputable, State-registered firms that provide governmental affairs consulting and lobbying services, LCFWASA selected Electus Governmental Affairs, Inc. (“EGA”) at the Board’s April 14, 2025 Meeting to serve as a lobbyist for LCFWASA;

WHEREAS, LCFWASA wishes to expand the scope of its contract with EGA to include lobbying services at the Federal level, including regulatory and budgetary lobbying, policy consultation, governmental outreach, support with strategic planning, and monitoring of new and pending legislation pertinent to LCFWASA’s operations;

WHEREAS, EGA has provided a Proposal for Governmental Affairs Consulting and Legislative Lobbying Services in the annual total amount of \$84,000, to be billed in monthly \$7,000 increments, which proposal has an effective date of March 10, 2026, and supersedes LCFWASA’s existing contract with EGA; and

WHEREAS, the Board wishes to approve EGA’s Proposal for Governmental Affairs Consulting and Legislative Lobbying Services.

NOW, THEREFORE, BE IT RESOLVED by the Chairman and Directors of the LCFWASA Board that Electus Governmental Affairs, Inc.’s Proposal for Governmental Affairs Consulting and Legislative Lobbying Services with an effective date of March 10, 2026, in the annual total amount of \$84,000 is hereby accepted.

The Board of Directors designates that the Chairman and the Executive Director are duly authorized to execute a contract with EGA for the above-referenced matter on behalf of LCFWASA in the annual total amount of \$84,000, to be billed in monthly \$7,000.00 increments, subject to review and approval of the contract as to form by LCFWASA’s attorney.

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

Adopted this _____ day of March 2026.

Scott Phillips, Chairman

ATTEST:

Chakema Clinton-Quintana, Secretary



PROPOSAL FOR GOVERNMENTAL AFFAIRS CONSULTING AND LEGISLATIVE
LOBBYING SERVICES PROVIDED BY ELECTUS GOVERNMENTAL AFFAIRS, INC.
(EGA)

The following constitutes a proposed agreement (or the "Agreement") between Lower Cape Fear Water and Sewer Authority ("Client") and Electus Governmental Affairs, Inc. ("EGA" or "Consultant"). Agreement is entered into effective as of March 10, 2026 ("Effective Date"), by and between EGA or Consultant and Client. Consultant agrees to provide governmental affairs consulting and legislative lobbying services as described herein ("Services") to Client for the term of this Agreement.

Scope of Association: The Consultant agrees to represent and advise the Client on all matters pertaining to the Client in the state of North Carolina ("Service Area"). The Consultant will represent the Client's interests by providing Services to include regulatory and budgetary lobbying, policy consultation, governmental outreach on the local, state and federal levels, support with strategic planning, monitoring of new and pending legislation, and additional Services pertinent to the operational success of the Client.

Term: This Agreement shall commence on March 10, 2026 ("Effective Date"), and continue through termination as described herein.

Fees: The Compensation to the Consultant is an annual total of \$84,000. Client will be billed a monthly retainer of \$7,000 beginning March 10, 2026, through the Term of the Agreement. Client is responsible for paying all registration fees to the NC Secretary of State. Registrations will be handled by the Consultant and the Client will be invoiced when due. Payment of invoices is due by the 25th of each month. Invoices will be sent by the 25th of the prior month. Payment of invoices must be received in the month that they are due.

Compliance: Consultant agrees to comply with all applicable laws, rules and regulations. Consultant represents and warrants to Client that (i) it has obtained all licenses, permits, and/or approvals and has made all required registrations and disclosures necessary for the performance of the Services, (ii) the provision of the Services under this Agreement is not a violation of any such licenses, permits,

approvals, registrations or disclosures, and (iii) the provision of Services under this Agreement is not in violation of any applicable law or regulation. Consultant shall ensure compliance with all legally required reports related to the Services provided, unless explicitly prohibited from doing so by applicable law. Consultant shall maintain good standing and compliance with the rules and requirements of the Chapter 120C of the North Carolina General Statutes and any other rules or regulations applicable to the provision of the Services described herein.

Confidential Information: Consultant shall preserve in strict confidence any information ("Confidential Information") it obtains from or through the Client in connection with the performance of this Agreement. This obligation of confidence shall not apply to: (i) information that is known to Consultant prior to obtaining it from the Client; (ii) information that is obtained by Consultant from a third party who did not receive it directly or indirectly from the Client; and (iii) information required by subpoena. This provision shall remain in force notwithstanding termination of the Agreement. At the expiration or termination of the Agreement, the Consultant shall, except as required by applicable law or Client's insurance requirements, upon Client's written request either (i) return to Client all Confidential Information and all copies and notes of such Confidential Information in the possession of the Consultant, or (ii) destroy such Confidential Information and all copies and notes of such information in the possession of the Consultant, and in both cases, the Consultant shall promptly thereafter certify in writing that it has done so.

Contract Termination: This Agreement may be terminated by either party, with or without cause, at any time during the Term upon thirty (30) days' prior written notice to the other party, unless a shorter period is agreed to by both the Consultant and the Client in writing; said Notice is sufficient if sent to the email address belonging to the Client or to the Consultant. In the event the Agreement is terminated, Consultant will be paid fees and expenses up to the date of termination, but Client shall not be obligated to pay for remaining months left on term.

Indemnity: Consultant agrees to indemnify and hold harmless the Client and Client's respective officers, directors, employees, accountants, attorneys, agents, affiliates, successors and assigns from and against any and all third party claims, damages, liabilities, costs and expenses, including reasonable legal fees and expenses, resulting from, arising out of, or related to Consultant's acts, omissions or representations, and/or resulting from, arising out of, or related to any breach of any warranty, representation, covenant, or any other term or condition contained in this Agreement by Consultant.

Limitation on Liability: In no event shall Client or its respective officers, directors, employees or representatives be liable for any consequential, special or indirect damages arising hereunder, even if a party has been advised of the possibility of such claims.

No Public Statements: Consultant agrees to refrain from making any statements to the press, media or general public ("Public Statements"), whether written or oral, on behalf of or concerning the Client, Services, or the subject matter of this Agreement, without the prior approval of the Client. "Public Statements" shall not include private discussions with lobbyists, local elected officials, union leaders, members of the North Carolina General Assembly, government employees and officials, and their representatives and consultants, nor testimony to or before the North Carolina General Assembly or other local boards/councils to the extent given in compliance with the section below.

Pre-Approval of Any Testimony or Written Materials: Consultant shall obtain Client's prior approval before giving formal written or oral testimony on Client's behalf or in Consultant's capacity as Client's representative. Any written materials submitted by Consultant on behalf of Client shall be approved in advance by Client.

Independent Contractor: The relationship between Client and Consultant established by this Agreement is that of independent contractor, and nothing herein contained shall be construed as creating a relationship of employer and employee or principal and agent between them. Consultant shall neither act nor make any representation that it is authorized to act as an employee, agent, or officer of Client. Neither party shall have any right, power or authority to create any obligation, express or implied, on behalf of the other party. Consultant agrees to maintain commercially reasonable data privacy and security safeguards to protect against the unauthorized access, destruction, loss, alteration, or disclosure of the Confidential Information in its possession.

Conflicts of Interest: Consultant has evaluated this engagement for conflicts of interest and is not presently aware of any conflicts of interest. It is possible that during the Term some of Consultant's present or future clients may have interests, transactions or disputes adverse to Client. Consultant agrees to promptly notify Client upon discovery of any conflicts of interest. In such cases, Consultant may seek to rectify conflicts between clients, if possible, and may request a waiver in each instance in order to represent another client or prospective client with interests adverse to Client. Client agrees that in each instance where Consultant requests a waiver in order to represent another client or prospective client adverse to Client, Client will provide its grant or

denial of such waiver within 5 business days; provided, however, that Client shall have the sole and absolute discretion to grant or deny such waiver.

Entire Agreement: This Agreement is the entire agreement between Consultant and Client with respect to its subject matter, and it supersedes all prior agreements, representations and understandings, whether express or implied and whether oral or written. Any modification to this Agreement must be in writing signed by an officer or authorized representative of each Party.

Severability: All parts of this Agreement, which are found to conflict with any law of the State of North Carolina shall be null and void, without affecting the enforceability of the surviving portions of the Agreement (except any finding that makes null and void the Fees section of this Agreement shall immediately terminate the whole of the Agreement.)

Governing Law: The parties agree that this Agreement will be governed by and construed under the laws of North Carolina without regard to its conflicts of law provisions.

Assignment: Consultant may not assign this Agreement without the prior written consent of Client. If the Client finds the terms acceptable, the Client should sign the proposal and return the signed copy back to EGA. The proposal will not be a fully executed contract until signed by both parties, at which time a copy of which will be provided to the Client, with the aforementioned Effective Date.

Electus Governmental Affairs, Inc.

By: _____

Date: _____

Dodie B. Renfer, President

Lower Cape Fear Water and Sewer Authority

By: _____

Date: _____

Tim Holloman, Executive Director

This instrument has been pre-audted in the manner required by the Local Government Budget and Fiscal Control Act.

Finance Officer

Date

AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM HOLLOMAN, EXECUTIVE DIRECTOR

Date: March 9, 2026

Re: Resolution to Approve Lump Sum Proposal No. 2 for Project #2,
Phase 3, of Phased 10-Mile Parallel Raw Water Line Project

Background: On October 10, 2022, the Board authorized the Phased 10-Mile Parallel Raw Water Line Project. On December 12, 2022, the Board approved the use of the design-build delivery method for the project. Due to funding and planning considerations, the project was divided into two segments: Project #1 (approximately 7 miles) and Project #2 (approximately 3 miles).

On October 31, 2024, LCFWASA entered into a Preliminary Design-Build Agreement with Garney Companies, Inc. for Project #2. During preliminary engineering, it was determined that construction would proceed through two lump sum proposals.

Lump Sum Proposal No. 1, for procurement of steel coil materials in the amount of \$1,578,720, was approved by the Board at its January 12, 2026, meeting.

Lump Sum Proposal No. 2, dated February 25, 2026, covers the balance of work for Project #2 (Phase 3), including final design services, construction, and startup of the transmission main. HDR Engineering, Inc., LCFWASA's Owner-Advisor, has reviewed and negotiated the proposal and has determined that the proposed amount is reasonable for the scope of work.

Action Requested: Motion to approve/disapprove.

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY RESOLUTION TO APPROVE
LUMP SUM PROPOSAL NO. 2 FOR PROJECT 2, PHASE 3, OF PHASED
10-MILE PARALLEL RAW WATER LINE PROJECT**

WHEREAS, on October 10, 2022, the Lower Cape Fear Water and Sewer Authority (“LCFWASA”) Board of Directors (“Board”) passed a *Resolution Authorizing a Phased 10 Mile Parallel Raw Water Line Project for Lower Cape Fear Water and Sewer Authority*, subject to appropriate funding;

WHEREAS, on December 12, 2022, the Board passed a *Resolution Establishing Criteria for a Design-Build Delivery Method and Authorizing Use of the Design-Build Delivery Method for a Phased 10-Mile Parallel Raw Water Line Project for the Lower Cape Fear Water and Sewer Authority*, in which the Board determined that the design-build delivery method is appropriate for the project and authorized LCFWASA’s Executive Director to move forward with the use of the design-build delivery method for the phased 10-mile parallel raw water line project;

WHEREAS, due to project funding and planning requirements, upon consultation with LCFWASA’s Owner-Advisor HDR Engineering, Inc. of the Carolinas (“HDR”) and participating entities, LCFWASA has divided the phased 10-mile parallel raw water line project into Project #1, which consists of the first approximately 7 miles of the project, and Project #2, which consists of the remaining approximately 3 miles of the project, including phasing for both Project #1 and Project #2;

WHEREAS, on October 31, 2024, LCFWASA entered into a Preliminary Design-Build agreement with design-builder Garney Companies, Inc. (“Garney”) for Project #2 (Phase 1), including preliminary engineering, 75% design, and pre-construction services;

WHEREAS, during preliminary engineering for Project #2 it was determined to be in the best interests of LCFWASA and the public that it serves to split construction into two Lump Sum Proposals: Lump Sum Proposal No. 1 for procurement of materials (Steel Coil), and Lump Sum Proposal No. 2 for the balance of work on Project #2, including final design services, construction from STA 10+00 to STA 163+38 and startup for the entire transmission main;

WHEREAS, LCFWASA’s Owner-Advisor HDR, with the assistance of participating entities, negotiated with design-builder Garney Lump Sum Proposal No. 1 dated December 18, 2025, in the total amount of \$1,578,720 for procurement of steel coil for Project #2 (Phase 3);

WHEREAS, the Board approved Lump Sum Proposal No. 1 at the Board’s January 12, 2026 Meeting, specifically stating in the approval Resolution that there would be an additional lump sum proposal provided in the future to cover the balance of the work associated with Project #2 (Phase 3);

WHEREAS, on February 10, 2026, LCFWASA entered into a Design-Build Lump Sum Agreement (Design Build Institute of America (“DBIA”) Standard Form of Agreement No. 525, with Exhibits) (the “DBIA 525 Agreement”) with design-builder Garney for Lump Sum Proposal No. 1 (Steel Coil) with a

provision to amend the DBIA 525 Agreement in the future with Lump Sum Proposal No. 2, the balance of work for Project #2 (Phase 3);

WHEREAS, LCFWASA's Owner-Advisor HDR, with the assistance of participating entities, has negotiated Lump Sum Proposal No. 2 dated February 25, 2026, with design-builder Garney for the balance of work on Project #2 (Phase 3) in the lump sum amount of \$16,324,553 (which includes a risk register allowance value of \$962,000);

WHEREAS, based upon Owner-Advisor HDR's evaluation and consultation with participating entities, HDR advises that Lump Sum Proposal No. 2 dated February 25, 2026, is reasonable for the scope of work being provided;

WHEREAS, Owner-Advisor HDR and LCFWASA's Executive Director recommend that LCFWASA proceed with approval of Lump Sum Proposal No. 2 dated February 25, 2026, for the balance of work on Project #2 (Phase 3) in the lump sum amount of \$16,324,553 (which includes a risk register allowance value of \$962,000); and

WHEREAS, approval of Lump Sum Proposal No. 2 dated February 25, 2026, results in a total updated contract value of \$17,903,273 for Project #2 (Phase 3) design-builder costs, which is the total of Lump Sum Proposal No. 1 (Steel Coil) (\$1,578,720) and Lump Sum Proposal No. 2 (balance of work) (\$16,324,553, including risk register allowance value).

NOW, THEREFORE, BE IT RESOLVED, by the Chairman and the Lower Cape Fear Water and Sewer Authority Board of Directors, that the Board hereby authorizes and approves proceeding with the above-referenced Lump Sum Proposal No. 2 dated February 25, 2026, from Garney Companies, Inc. for the balance of work on Project #2 (Phase 3) of the phased 10-mile parallel raw water line project in the amount \$16,324,553 (which includes a risk register allowance value of \$962,000).

BE IT FURTHER RESOLVED, that the Chairman is hereby authorized to execute on behalf of LCFWASA an Amendment to the above-referenced Design Build Institute of America ("DBIA") Standard Form of Agreement No. 525 with design-builder Garney Companies, Inc. for the balance of the work on Project #2 (Phase 3) consistent with this Resolution, subject to review and approval of the contract documents by LCFWASA's attorney as to form.

BE IT FURTHER RESOLVED, that the approval and award of the contract to design-builder Garney Companies, Inc. for the balance of work on Project #2 (Phase 3) as provided for in this Resolution is contingent upon the approval of the North Carolina Department of Environmental Quality and subject to compliance with all State and Federal funding requirements and funding approval and receipt of payment from participating entities.

BE IT FURTHER RESOLVED, that with the approval of Lump Sum Proposal No. 2 dated February 25, 2026, as provided for in this Resolution, the updated total contract value for Project #2 (Phase 3) design-builder costs is \$17,903,273 (total of Lump Sum Proposal No. 1 and Lump Sum Proposal No. 2, including risk register allowance value).

This Resolution shall be effective upon passage.

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

Adopted on the 9th day of March, 2026.

Scott Phillips, Chairman

ATTEST:

Chakema Clinton-Quintana, Secretary

Project: Lower Kings Bluff Raw Water Transmission Main – Project 2 Phase 3

Owner: Lower Cape Fear Water and Sewer Authority (LCFWASA)

Design-Builder: Garney Companies, Inc. (Garney)

Design-Build Contract Amendment #: 1 – Phase 3: Project 2 Final Construction

Initial Lump-Sum Agreement Date: February 10, 2026

Amendment Effective Date: Date executed by LCFWASA

Background:

On October 31, 2024, LCFWASA entered into a Preliminary Design-Build agreement with Garney for Phase 1 including preliminary engineering, 75% design, and pre-construction services for the above referenced project. During preliminary engineering it was determined that it was in the best interest of LCFWASA to split the Construction into two Lump Sum Proposals. Lump Sum Proposal 1 – Steel Coil includes the procurement of materials (steel coil). Lump Sum Proposal 2 – Balance of Work includes final design services, construction from STA 10+00 to STA 163+38 and startup for the entire transmission main.

On February 10, 2026, LCFWASA entered into a Design-Build Lump Sum Agreement (DBIA Document No. 525, with Exhibits) (the "Agreement") with Garney for Lump Sum Proposal 1 – Steel Coil with a provision to amend the Agreement for Lump Sum Proposal 2 – Balance of Work. This document amends the Agreement for Lump Sum Proposal 2 – Balance of Work.

Lump Sum Proposal 2 – Balance of Work Scope Summary:

Design-Builder shall perform all necessary design, engineering, and construction per the plans and specifications outlined in the Accepted Lump Sum Proposal 2 and Owners Project Criteria including any additional work required by final design development to 100% for the Lump Sum cost outlined in this amendment.

Amendments to Agreement (DBIA Document No. 525):

Underlines represent language added, strikethrough represents language deleted.

Section 5.2 shall be amended as follows:

5.2 Substantial Completion and Final Completion.

5.2.1 The Scheduled Substantial Completion Date, as may be modified in accordance with this Agreement and the General Conditions, will be achieved by ~~TBD (established in a future amendment)~~ December 24th 2026; provided, however, that the Scheduled Substantial Completion Date shall be adjusted accordingly in the event Design-Builder does not receive a Notice to Proceed to commence the Work by ~~January 19, 2026~~ April 14, 2026. Substantial Completion occurs when the Owner's requirements are met as defined in Section 6.6 of the General Conditions of Contract.

Section 5.4 shall be amended as follows:

- 5.4 Liquidated Damages.** Design-Builder agrees to pay, as liquidated damages, to the Owner ~~zero Dollars (\$0.00)~~ two hundred fifty and 00/100 Dollars (\$250.00) for each consecutive calendar day the Work extends beyond the total time allotted for Substantial Completion of all Work and ~~zero Dollars (\$0.00)~~ one hundred twenty-five and 00/100 Dollars (\$125.00) for each consecutive calendar day the Work extends beyond the total time allotted for Final Completion of all Work, not as a penalty, but as liquidated damages. Design-Builder and Owner agree to liquidated damages because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would sustain in the event Design-Builder fails to achieve Substantial and Final Completion within the Contract Time, as may be adjusted.

Section 6.1 shall be amended as follows:

- 6.1 Contract Price / Lump Sum Price.** Owner shall pay Design-Builder in accordance with Article 6 of the General Conditions of Contract:

Project #2 Phase 3 (Steel Coil) - The sum as determined based on finalization of the lump sum proposal is One million, five hundred seventy-eight thousand, seven hundred twenty dollars and 00/00 (\$1,578,720), subject to adjustments made in accordance with the General Conditions of Contract. Unless otherwise provided in the Contract Documents, the Contract Price is deemed to include all sales, use, consumer and other taxes mandated by applicable Legal Requirements. Design-Builder shall pay all taxes in accordance with Article 6 of the General Conditions of Contract. The Contract Price includes compensation for all costs, direct and indirect, of Design-Builder's performance of the Work.

Project #2 Phase 3 (Balance of Work) – The sum as determined based on finalization of the lump sum proposal is fifteen million three hundred sixty-two thousand five hundred fifty-three dollars and 00/100 (\$15,362,553), subject to adjustments made in accordance with the General Conditions of Contract. Unless otherwise provided in the Contract Documents, the Contract Price is deemed to include all sales, use, consumer and other taxes mandated by applicable Legal Requirements. Design-Builder shall pay all taxes in accordance with Article 6 of the General Conditions of Contract. The Contract Price includes compensation for all costs, direct and indirect, of Design-Builder's performance of the Work.

Section 6.3.1 shall be amended as follows:

6.3.1 The total sum of Allowance Items shall be ~~\$0~~ \$962,000.00 as set forth in ~~an Exhibit F hereto~~, which is based upon Design-Builder's Lump Sum Proposal. Items included in the Exhibits are estimates of Allowance Items only and shall not be deemed as a limitation as to each such Allowance Item. Design-Builder may utilize the Allowance Items funds in its good faith discretion, subject to Owner's approval thereof.

Section 6.3.4 shall be amended by adding the following subsection (A):

6.3.4.A The following allowance items are included in Project 2

Weather Delays: \$150,000 allowance. Based on 10 no work weather days.

- Weather delays in excess of 10 days may occur during the project. No costs shall be paid out of the allowance without written approval from Owner with the understanding that:
 - \$17,500/day for complete down day.
 - \$10,000/day where crew can work on miscellaneous noncritical items but key excavation and pipe laying equipment is down.
 - Weather day only applies to workdays Monday through Friday.
 - Weather day must impact critical path work items.
 - Contractor carries 1st 10 weather days in lump sum proposal. Allowance starts on day 11.
 - Weather day will also apply to mud day which is defined as day where critical path cannot be completed due to previous day(s) weather – where conditions are too wet or flooded to proceed.
 - This supersedes Section 8.2.1.2 of Exhibit A – General Conditions (Modified DBIA 535).

Contaminated Soils: \$7,000 allowance

- Contaminated soils may be encountered on the project. No costs shall be paid out of the allowance without written approval from Owner with the understanding that:
 - \$27/CY for material haul off and disposal. Based on 100 LF and 260 CY/100 LF.
 - Contaminated soil is defined as material that the Owner will not allow to stay on site and must be disposed of at a certified landfill site.
 - Site utilized for disposal is assumed to be the Sampson County Landfill.

75% to 100% changes in design: \$200,000 allowance

- Scope Changes from 75%-100% may result in design and construction direct and indirect cost, the unallocated allowance will be utilized to pay for those changes. Design-Builder shall submit request for payment along with justification to utilize this line item. No costs shall be paid out of the allowance without written approval from Owner.

Additional Material Hauling along 421: \$200,000 allowance (\$18/CY at 10 CY/load)

- Additional non-contaminated material may need to be hauled off-site. No costs shall be paid out of the allowance without written approval from Owner with the understanding that:
 - Design-Builder intends to leave all excess spoil on jobsite and assist in building up berm. This allowance is utilized to take any excess material not allowed on site and haul off to 421 Sand Pit. Non-contaminated material.
 - Based on 10 CY truck.

Unknown Utilities: \$50,000 allowance (\$16,666/day for 3 days)

- Design-Builder has completed utility locates along the proposed alignment and documented the ones discovered on the construction documents. This Allowance is for utilities not shown in the construction documents or known about previously. No costs shall be paid out of the allowance without written approval from Owner:

- Cost of allowance utilized for unknown utility includes time to deal with as well as any cost to add fittings or change alignment.

Replant Trees along 421: \$40,000 allowance

- Trees may be required to be replanted along the pipeline alignment. County/permits may direct what is needed and where.
- This allowance will include any special landscaping (if needed) on the project other than project seeding.
- No costs shall be paid out of the allowance without written approval from Owner.

CFPUA Vault: \$115,000 allowance

- 75% lump sum proposal does not include vault or piping for Cape Fear Public Utility Authority's connection.
- 100% design will include vault and piping to end 54" Owner piping to Cape Fear Public Utility Authority.
- This allowance includes vault, piping, and labor to perform work. It does not include power or flow meter.
- No costs shall be paid out of the allowance without written approval from Owner.

Interconnect at Linde and Stepan: \$200,000 allowance

- 75% lump sum proposal includes a 24-IN tee and 24-IN valve at end of the pipeline for Stepan Connection
- 100% design may include a final connection including additional piping, valves and connection to have redundant service to Stepan Industries.
- No costs shall be paid out of the allowance without written approval from Owner.

Section 6.3.5 shall be amended as follows:

6.3.5 Whenever the actual costs for an Allowance Item is more than or less than the stated Allowance Value, the Contract Price shall be adjusted accordingly by Change Order, subject to Section 6.3.4 including all subsections of Section 6.3.4. The amount of the Change Order shall reflect the difference between actual costs incurred by Design-Builder for the particular Allowance Item and the Allowance Value. However, Owner agrees that the positive balance of allowance item(s) may be used to cover overages of other allowance item(s), prior to a Change Order being issued. Any remaining positive balance of allowance items(s) will be retained by the Owner.

Section 11.14 shall be amended as follows:

11.14 Listing of the Exhibits and documents incorporated herein:

Exhibit A - General Conditions (Modified DBIA 535)

Exhibit B – Owner Project Criteria – ~~Not Used~~

Exhibit C – State / County Sales/ Use Tax Statement

Exhibit D - Updated Insurance Certificates, Updated Payment and Performance Bonds
(to be provided by Garney before contract execution)

Exhibit E – Accepted Lump Sum Proposal 1 – Steel Coil

Exhibit F - Accepted Lump Sum Proposal 2 – Balance of Work ~~(TO BE AGREED UPON AND INCORPORATED HEREIN AT A LATER DATE VIA CONTRACT AMENDMENT)~~

Exhibit G - NC Division of Water Infrastructure DBE Compliance Supplement

Exhibit H - Davis-Bacon Instructions and Wage Determination Schedule 260102

Exhibit I – American Iron & Steel Provisions

Summary of Project 2 Phase 3 Design-Builder Costs:

LS Proposal 1 - Steel Coil	LS	\$ 1,578,720.00
LS Proposal 2 - Balance of Work	LS	\$ 15,362,553.00
Rish Register Allowance Value	ALW	\$ 962,000.00
<hr/>		
Updated Total Contract Value		\$ 17,903,273.00

Attachments:

Owner Project Criteria dated February 2026. This shall be incorporated into the agreement as Exhibit B.

Updated Insurance Certificates, Updated Payment and Performance Bonds. This shall be incorporated into the agreement as Exhibit D.

Garney's Balance of Work Lump Sum Proposal dated 2/25/26. This accepted Proposal shall be incorporated into the agreement as Exhibit F.

NC Division of Water Infrastructure DBE Compliance Supplement. This shall be incorporated into the agreement as Exhibit G.

Davis-Bacon Instructions and Wage Determination Schedule 260102. This shall be incorporated into the agreement as Exhibit H.

By executing this Amendment, Owner and Design-Builder agree to modify the Agreement as stated above. Upon execution, this Amendment becomes a Contract Document issued in accordance with the Lump Sum Design-Build Agreement executed between the parties by LCFWASA on February 10, 2026. There are no other changes to the Agreement.

LOWER CAPE FEAR WATER AND SEWER AUTHORITY:

GARNEY COMPANIES, INC.:

By: _____
 Printed Name: _____
 Title: _____
 Date: _____

By: _____
 Printed Name: _____
 Title: _____
 Date: _____

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act

Finance Officer

Date

AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM HOLLOMAN, EXECUTIVE DIRECTOR

Date: March 9, 2026

Re: Resolution Authorizing Amendment to Owner-Advisor's Scope of Services for Project #2, Phased 10-Mile Parallel Raw Water Line Project

Background: On October 10, 2022, the Board authorized the Phased 10-Mile Parallel Raw Water Line Project. Subsequently, the Board authorized the use of an Owner-Advisor to support the project and awarded the Owner-Advisor contract to HDR Engineering Inc. of the Carolinas on January 12, 2023.

The project has since been divided into Project #1 (approximately 7 miles) and Project #2 (approximately 3 miles) to better align with funding and planning requirements. The Board previously approved HDR's Scope of Services for preconstruction services for Project #2 on November 18, 2024.

LCFWASA has now negotiated Amendment 1, Scope of Services dated March 3, 2026, which establishes HDR's services for final design and construction services for Project #2, Phase 2.

The amendment also includes a reallocation of unused Owner-Advisor fees from Project #1 and Project #2 totaling \$259,169 to be applied toward Project #2 services.

Action Requested: Motion to approve/disapprove.

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY RESOLUTION AUTHORIZING
AMENDMENT TO OWNER-ADVISOR'S SCOPE OF SERVICES FOR PROJECT 2 OF
PHASED 10-MILE PARALLEL RAW WATER LINE PROJECT**

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

WHEREAS, October 10, 2022, the LCFWASA Board of Directors (“Board”) passed a *Resolution Authorizing a Phased 10 Mile Parallel Raw Water Line Project for Lower Cape Fear Water and Sewer Authority*, subject to appropriate funding (the “Project”);

WHEREAS, on November 14, 2022, the Board passed a Resolution authorizing the utilization of an Owner-Advisor to act as an extension of LCFWASA staff, aligning the entire integrated Project team with LCFWASA’s priorities throughout the course of the Project;

WHEREAS, on January 12, 2023, the Board awarded the contract for Owner-Advisor for the Project to HDR Engineering Inc. of the Carolinas (“HDR”);

WHEREAS, on February 13, 2023, the Board authorized the Scope of Services with HDR as Owner-Advisor for preconstruction services related to the first approximately 7 miles of the Project;

WHEREAS, due to project funding and planning requirements, upon consultation with Owner-Advisor HDR and participating entities, LCFWASA has divided the phased 10-mile parallel raw water line project into Project #1, which consists of the first approximately 7 miles of the project, and Project #2, which consists of the remaining approximately 3 miles of the Project;

WHEREAS, Project #1 consists of multiple phases, including Phases 1A and 1B for preconstruction services and Phases 2A and 2B for final design and construction services;

WHEREAS, Project #2 consists of two phases, including Phase 1 for preconstruction services and Phase 2 for final design and construction services;

WHEREAS, on November 18, 2024, the Board authorized an Amendment to the Scope of Services with HDR as Owner-Advisor for final design and construction services related to Project #1;

WHEREAS, on November 18, 2024, the Board authorized the Scope of Services with HDR as Owner-Advisor for preconstruction services related to Project #2;

WHEREAS, LCFWASA has now agreed upon a Scope of Services with Owner-Advisor HDR for final design and construction services for Project #2, as set forth in that document titled “Amendment 1 - Scope of Services” dated March 3, 2026;

WHEREAS, the “Amendment 1 – Scope of Services” dated March 3, 2026, includes as *Attachment B* a reallocation of the Owner-Advisor’s unused fees per task from Project #1 and Project #2 in the amount of \$259,169 to be applied toward the Owner-Advisor’s fees for final design and construction services for Project #2;

WHEREAS, the reallocation of the Owner-Advisor’s unused fees from Project #1 and Project #2 and the agreed upon Scope of Services for final design and construction services for Project #2 result in a new total Owner-Advisor fee for Project #1 in the amount of \$716,690, a new total Owner-Advisor fee for Project #2 in the amount of \$572,325, and a new total combined Owner-Advisor fee for both Project #1 and Project #2 in the amount of \$1,289,016;

WHEREAS, approval of the Owner-Advisor’s unused fee reallocation and Scope of Services for Project #2, Phase 2, as stated above, results in a net combined increase in the Owner-Advisor’s fees for the entire Project (Project #1 and Project #2 combined) in the not to exceed amount of \$217,117; and

WHEREAS, LCFWASA now wishes to approve HDR’s Scope of Services as Owner-Advisor for Project #2, Phase 2 and the reallocation of the Owner-Advisor’s unused fees per task from Project #1 and Project #2, as set forth in the “Amendment 1 - Scope of Services” dated March 3, 2026.

NOW, THEREFORE, BE IT RESOLVED, by the Chairman and the Directors of the Lower Cape Fear Water and Sewer Authority, that the Board hereby approves HDR Engineering Inc. of the Carolinas’ Scope of Services as Owner-Advisor for Project #2, Phase 2, of the phased 10-mile parallel raw water line project and the reallocation of the Owner-Advisor unused fees per task from Project #1 and Project #2, as set forth in that document titled “Amendment 1 - Scope of Services” dated March 3, 2026. Accordingly, the Board hereby approves a net combined increase in Owner-Advisor HDR’s fees for the entire Project (Project #1 and Project #2 combined) in the not to exceed amount of \$217,117, resulting in a new total combined Owner-Advisor fee for the entire Project (Project #1 and Project #2 combined) in the amount of \$1,289,016.

BE IT FURTHER RESOLVED, that the Chairman and Executive Director are authorized to execute all required contract documents with HDR Engineering Inc. of the Carolinas consistent with this Resolution, subject to review and approval as to form by LCFWASA’s attorney.

This Resolution shall be effective upon passage.

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

Adopted on the 9th day of March, 2026.

Scott Phillips, Chairman

ATTEST:

Chakema Clinton-Quintana, Secretary



AMENDMENT 1

SCOPE OF SERVICES

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY
PROJECT 2 - OWNER ADVISOR FOR 54" RAW WATER TRANSMISSION MAIN
March 3, 2026**

Background and Scope of Services

Background

Lower Cape Fear Water and Sewer Authority (LCFWASA) is in the process of designing and constructing a new 7-mile parallel raw water transmission main project between the existing 3 MG ground storage tank and Pender County's raw water connection point (Project 1). LCFWASA desires to install an additional 3-miles of parallel raw water transmission main from Pender County's raw water connection to Cape Fear Public Utility Authority's (CFPUA) raw water connection off US Highway (Hwy) 421 (Project 2). The route for Project 2 will primarily be located within LCFWASA owned easements and parallel to US Hwy 421. Funding for the Project 2 includes a portion of the direct allocated grant to LCFWASA received from Session Law (SL) 2023-134 under Section 12.2.(e)(108) and CFPUA's Drinking Water State Revolving Fund (DWSRF) loan. Through an interlocal agreement, CFPUA is a financial partner on Project 2. The scope of services included within this Amendment defines HDR's Owner Advisor (OA) services to be completed as a part of Phase 2 – Final Design and Construction Services.

Approach

HDR Engineering, Inc. of the Carolinas (HDR) will continue to serve as an extension of LCFWASA's staff and work to align the project team with their priorities through Phase 2 of Project 2. Under this contract, the OA can provide, but is not limited to, the following services: project administration and support, general advisory services, funding assistance, project design reviews, cost estimating, technical support services, construction support services, resident project representative for construction observation services, and start-up support. The OA services listed below do not relieve the Design-Builder (DB) or the Engineer of Record (EOR) of their contractual responsibilities.

General Tasks and Activities

Unless noted otherwise, the following assumptions are used for all tasks:

- Phase 2 is anticipated to last approximately 13 months including 11 months of construction activities.
- Meetings will be held at LCFWASA offices or within a 20-mile radius.
- LCFWASA will be responsible for attendance of required LCFWASA staff.
- Unless otherwise noted, the DB team will be responsible for arranging meeting times, handling meeting agendas, notes, and materials.
- The OA will support LCFWASA's decision-making processes throughout the Project, but acknowledge that LCFWASA holds the decision-making authority, not the OA.



- The OA will not perform geotechnical or field investigation studies. These studies will be performed by the DB team.
- DB team is responsible for addressing LCFWASA and OA comments. The OA has no responsibility for updates or modifications to design documents or other DB team deliverables.
- By performing these services, the OA shall not have authority or responsibility to supervise, direct, or control the DB team's work, means, methods, techniques, sequences, or procedures of construction.
- The Resident Project Representative (RPR) shall not have responsibility for the superintendence of construction, site conditions, safety, operation, equipment, or personnel other than employees of the OA.

Scope of Services – Phase 2

Task 1 – Project and DB Contract Administration

The purpose of this task is to monitor scope, schedule, and budget of the OA as well as provide monthly status reporting, accounting, and invoicing. This task has been amended to cover project administration services through Phase 2.

OA Services

1. Project Administration Services
 - a. Provide a monthly progress report that summarizes work completed, work expected to occur, DB team and OA invoicing status, total Project budget status, status by Project component, approved contract amendments, potential change orders, and other relevant Project information.
 - a. Prepare monthly invoices provided in the OA's invoicing format.
 - b. Review and provide comments on DB team monthly pay requests.
 - c. Coordinate with the OA project team.
2. Risk Management
 - a. Review schedule and identify changes and potential impacts.
 - b. Monthly review of schedule and cost risks and update risk register.
 - c. Support the management of the mitigation actions for each critical Project risk.
 - d. Develop value engineering recommendations about how to mitigate and/or avoid risks. Provide various recommendations for new value engineering opportunities.
3. Project Meetings
 - a. Attend monthly project progress meetings with LCFWASA and the DB team.
 - b. Attend weekly DB team update meetings. No weekly update meeting is expected to occur the week monthly progress meetings are held.

LCFWASA Responsibilities

1. Participate in requested meetings and workshops.
2. Timely processing and payment of invoices.
3. Review and process contract change requests and amendments, if needed.

Assumptions

1. The Phase 2 task is scheduled to last 13 months.
2. It is assumed that 13 monthly project meetings will be held with the LCFWASA. Monthly progress meetings are expected to be 2 hours or less.



3. It is assumed up to 24 weekly DB team update meetings will be held. No weekly update meeting will be held during weeks when monthly progress meetings are held. Weekly update meetings are expected to be 30 minutes or less.

Deliverables

1. Monthly reports and invoices (one copy with invoice will be emailed as a PDF file).
2. Monthly project schedule and budget updates.

Task 2 – Project Criteria Development and Permitting Matrix

There are no additional services being provided for Task 2 as a part of this Amendment.

Task 3 – DB Procurement and Phase 1 DB Negotiations

There are no additional services being provided for Task 3 as a part of this Amendment.

Task 4 – Funding Assistance

The purpose of this task is to assist in the preparation of documentation required to support grants issued through SL 2023-134 under Section 12.2.(e)(108) and requirements of CFPUA's DWSRF loan.

OA Services

1. Confirm general grant/DWSRF compliance and coordinate with LCFWASA for signature and submittal of DB team and OA reimbursement request to DWI.
2. Submit documentation to DWI for review and approval.
3. Hold up to two meetings meeting with NCDEQ staff to gain concurrence on specific approaches. Meetings may include items such as compliance with funding program requirements.

LCFWASA Responsibilities

1. Sign reimbursement request in a timely manner.
2. Attend meeting(s) with NCDEQ staff.

Assumptions

1. Meeting(s) with NCDEQ are anticipated to be held virtually.
2. DB team will complete any required engineering reports / environmental information documents and plan approval as required for funding agencies.

Deliverables

1. Reimbursement request including DB team and OA invoices.
2. Submittals to DWI to meet funding requirements.

Task 5 – Independent Cost Estimating Review

There are no additional services being provided for Task 5 as a part of this Amendment.

Task 6 – Design Reviews, Quality Assurance (QA), and Value Engineering (VE)

There are no additional services being provided for Task 6 as a part of this Amendment.

Task 7 – Lump Sum Review and Phase 2 Negotiations

There are no additional services being provided for Task 7 as a part of this Amendment.

Task 8 – Unallocated Engineering Allowance

There are no additional services being provided for Task 8 as a part of this Amendment.



Task 9 – Construction Administration, Construction Observation and Construction Materials Testing / Special Inspections

The purpose of this task is to provide construction administration, observation and Construction Materials / Special Inspections support to LCFWASA during Project construction.

OA Services

1. Construction Administration
 - a. Review DB team’s key equipment and material construction submittals for quality assurance.
 - b. Review DB team’s requests for information (RFIs) for quality assurance.
 - c. Perform site visits and quality assurance observations to verify DB team compliance.
2. Construction Observation
 - a. Provide the following Resident Project Representative (RPR) services:
 - i) Site Observations and Liaison with Owner and DB Contractor.
 - ii) Monitor site conditions.
 - iii) Review onsite materials testing and special inspections reports.
 - iv) Observe field tests.
 - v) Support substantial and final completion document preparation.
 - vi) Attend design review meetings.
 - vii) Attend monthly progress meetings.
 - viii) Submit monthly progress reports.
 - ix) Review payment applications.
 - x) Maintain the following documents (at the jobsite):
 1. Daily logbook.
 2. Correspondence files.
 3. Reports of jobsite conferences, meetings, and discussions among the Owner's Advisor, Owner, and Design-Builder/Contractors.
 4. DB team contract documents.
 5. Change Orders / Field Orders.
 6. Additional drawings issued after execution of the contract documents.
 7. Progress reports.
 8. Contact information of all contractors, subcontractors, and major suppliers of materials and equipment.
3. Construction Materials Testing and Special Inspections
 - a. Coordinate Construction Materials Testing and Special Inspections with subconsultant.
 - b. Review Construction Materials Testing and Special Inspections reports.

Assumptions

1. It is anticipated that up to 20 submittals will be reviewed.
2. It is anticipated that there will be up to 20 RFIs.
3. It is anticipated that there will be up to four (4) Change Orders.
4. 4 non-RPR site visits are anticipated with up to 2 OA staff in attendance.
5. A maximum of 40 hours per week of RPR time is assumed when full-time observation is required and 20 hours per week during times of part-time observation. A total of 2 months part-time and



9 months of full-time observation has been assumed. Overtime is not included as a part of the fee estimations.

6. Observations are not intended to be exhaustive or to extend to every aspect of the Construction or to involve detailed observations of the Construction, but rather are to be limited to visual spot checking, quality assurance, and similar methods of general observation of the Construction. The RPR will report to LCFWASA and the DB team whether Construction is proceeding in general accordance with the Construction Drawings and Construction Specifications prepared by the DB's engineer. The RPR shall not, during such observations of the Construction, supervise, direct, or have control over the Construction, nor shall the RPR have authority over or responsibility for the means, methods, techniques, sequences, or procedures of Construction selected or used by the DB, for security or safety at the site, for safety precautions and programs incident to any DB's work in progress, for the coordination of the DB's work or schedules, nor for any failure of the DB's to comply with Laws and Regulations applicable to furnishing and performing of its work.
7. Construction Materials Testing (CMT) and Special Inspections (SI) will be conducted in accordance with the design specifications. LCFWASA may choose to deviate from these specifications during the project as needed but will communicate this to HDR. An allowance of \$30,000 is being included for a subconsultant (S&ME) to provide CMT and SI services. Refer to Attachment C for the subconsultants' proposal.
8. Development of traffic control plans or flagging is not included.

Deliverables

1. Daily observation logs.
2. Review comments on submittals, Change Orders, and RFIs.
3. Progress reports.
4. Submit Construction Materials Testing and Special Inspections reports.

Schedule

The term for the Phase 2 scope of services is approximately 13 months starting in April 2026 with construction beginning in April 2026.

Compensation

The fee for the OA to complete Phase 2 scope of services will be on a time and materials basis with a not to exceed amount of \$476,286; however, there are savings from Project 1 and Project 2 that is proposed to be reallocated which results in a combined net not to exceed amount of \$217,117. Refer to Attachment B for the breakdown of the tasks for Phase 2 services and reallocated funds between tasks on Project 1 and 2.

Refer to Attachment A for the 2026 rate schedule used to develop the Phase 2 scope of services. Hours may be shifted around tasks as the project develops. Total fee will not be exceeded without written approval by LCFWASA.



Attachment A – Hourly Rates Schedule

Services will be performed on an hourly rate basis using the rates shown in the table below.

Job Title/Classification	2026 Hourly Rate
Principal in Charge / Senior Management Consultant	\$337
Senior Project Manager	\$316
Senior Technical Specialist	\$281
Senior Project Engineer/Designer	\$259
Project Engineer	\$187
Engineering Intern	\$141
Senior Estimator	\$315
Estimator	\$180
Construction Inspector	\$151
Accounting / Project Coordinator	\$141
Administrative	\$107

Additional codes and classifications may be utilized in the implementation of the services if authorized by LCFWASA.



9 months of full-time observation has been assumed. Overtime is not included as a part of the fee estimations.

6. Observations are not intended to be exhaustive or to extend to every aspect of the Construction or to involve detailed observations of the Construction, but rather are to be limited to visual spot checking, quality assurance, and similar methods of general observation of the Construction. The RPR will report to LCFWASA and the DB team whether Construction is proceeding in general accordance with the Construction Drawings and Construction Specifications prepared by the DB's engineer. The RPR shall not, during such observations of the Construction, supervise, direct, or have control over the Construction, nor shall the RPR have authority over or responsibility for the means, methods, techniques, sequences, or procedures of Construction selected or used by the DB, for security or safety at the site, for safety precautions and programs incident to any DB's work in progress, for the coordination of the DB's work or schedules, nor for any failure of the DB's to comply with Laws and Regulations applicable to furnishing and performing of its work.
7. Construction Materials Testing (CMT) and Special Inspections (SI) will be conducted in accordance with the design specifications. LCFWASA may choose to deviate from these specifications during the project as needed but will communicate this to HDR. An allowance of \$30,000 is being included for a subconsultant (S&ME) to provide CMT and SI services. Refer to Attachment C for the subconsultants' proposal.
8. Development of traffic control plans or flagging is not included.

Deliverables

1. Daily observation logs.
2. Review comments on submittals, Change Orders, and RFIs.
3. Progress reports.
4. Submit Construction Materials Testing and Special Inspections reports.

Schedule

The term for the Phase 2 scope of services is approximately 13 months starting in April 2026 with construction beginning in April 2026.

Compensation

The fee for the OA to complete Phase 2 scope of services will be on a time and materials basis with a not to exceed amount of \$476,286; however, there are savings from Project 1 and Project 2 that is proposed to be reallocated which results in a combined net not to exceed amount of \$217,117. Refer to Attachment B for the breakdown of the tasks for Phase 2 services and reallocated funds between tasks on Project 1 and 2.

Refer to Attachment A for the 2026 rate schedule used to develop the Phase 2 scope of services. Hours may be shifted around tasks as the project develops. Total fee will not be exceeded without written approval by LCFWASA.



Attachment B – Reallocation of Fee per Task based on Project 2 - Amendment 1

The table below illustrates the proposed reallocation of funds between tasks. This approach will allow for the net savings of \$259,169 from existing tasks on Project 1 and Project 2 (column 2) to be used to offset the total amount included in Amendment 1 for Project 2 (column 3). This results in a net combined increase from Projects 1 & 2 of \$217,117 (= \$1,289,016 - \$1,071,899). The revised fee amounts for Project 1 and Project 2 are shown in column 4.

Task Number	Task Description	1 Current Total NTE Fee	2 Reallocated Amount	3 Fee from P2 Amendment 1	4 (=1+2+3) Revised NTE Fee
Task 1	Project 1 - Project & DB Contract Administration	\$ 275,174	\$ (52,786)	\$ -	\$ 222,388
Task 2	Project 1 - Project Criteria Development & Permitting Matrix	\$ 15,520	\$ (6,735)	\$ -	\$ 8,785
Task 3	Project 1 - DB Procurement & Phase 1 Negotiations	\$ 26,220	\$ (8,464)	\$ -	\$ 17,756
Task 4	Project 1 - Funding Assistance	\$ 55,091	\$ 21,533	\$ -	\$ 76,624
Task 5	Project 1 - Independent Cost Estimating	\$ 22,812	\$ (21,252)	\$ -	\$ 1,560
Task 6	Project 1 - 30%, 60% Design Reviews, QA & VE	\$ 43,898	\$ (16,996)	\$ -	\$ 26,903
Task 7	Project 1 - Early Work Package / Early Procurement Support	\$ 9,648	\$ (9,648)	\$ -	\$ -
Task 8	Project 1 - GMP Review & Phase 2 Negotiations	\$ 10,736	\$ 11,157	\$ -	\$ 21,893
Task 9	Project 1 - As Needed Support	\$ 25,000	\$ 10,162	\$ -	\$ 35,162
Task 10	Project 1 - Construction Administration	\$ 60,000	\$ (5,718)	\$ -	\$ 54,282
Task 11	Project 1 - Construction Observation	\$ 332,800	\$ (81,462)	\$ -	\$ 251,338
Project 1 Subtotal		\$ 876,899	\$ (160,209)	\$ -	\$ 716,690
Task 1.2	Project 2 - Project and DB Contract Administration	\$ 80,000	\$ (58,254)	\$ 87,186	\$ 108,932
Task 2.2	Project 2 - Project Criteria Development and Permitting Mat	\$ 8,000	\$ (2,680)	\$ -	\$ 5,320
Task 3.2	Project 2 - DB Procurement and Phase 1 Negotiations	\$ 15,000	\$ (15,000)	\$ -	\$ -
Task 4.2	Project 2 - Funding Assistance	\$ 25,000	\$ 9,173	\$ 37,808	\$ 71,981
Task 5.2	Project 2 - Independent Cost Estimating	\$ 10,000	\$ (10,000)	\$ -	\$ -
Task 6.2	Project 2 - 30%, 60% Design Review, QA, and VE	\$ 30,000	\$ (22,200)	\$ -	\$ 7,800
Task 7.2	Project 2 - Lump Sum Review and Phase 2 Negotiations	\$ 12,000	\$ -	\$ -	\$ 12,000
Task 8.2	Project 2 - Unallocated Engineering Allowance	\$ 15,000	\$ -	\$ -	\$ 15,000
Task 9.2.1	Project 2 - Construction Administration	\$ -	\$ -	\$ 53,184	\$ 53,184
Task 9.2.2	Project 2 - Construction Observation	\$ -	\$ -	\$ 260,608	\$ 260,608
Task 9.2.3	Project 2 - Const. Materials Testing & Special Inspections	\$ -	\$ -	\$ 37,500	\$ 37,500
Project 2 Subtotal		\$ 195,000	\$ (98,961)	\$ 476,286	\$ 672,325
Total Project 1 and 2		\$ 1,071,899	\$ (259,169)	\$ 476,286	\$ 1,289,016
Savings from reallocation			\$ 259,169		
Net Combined Increase from Projects 1 & 2					\$ 217,117



Attachment C – CMT & SI Subconsultant Proposal (Reference Task 9)



January 6, 2026

HDR Engineering
101 N. 3rd Street
Wilmington, North Carolina 28401

Attention: Mr. David Fournier

Reference: **Proposal for Construction Materials Testing Services
Kings Bluff Force Main Project - Phase 3**
Wilmington, North Carolina
S&ME Proposal No. 25060230

Dear Mr. Fournier:

As requested, S&ME, Inc. (S&ME) is pleased to submit this proposal to provide construction materials testing services during construction of the above-mentioned project. This proposal describes our understanding of the project, anticipated scope of services by S&ME during construction and presents our compensation for the anticipated services. Our services will be provided in general accordance with the Master Subconsultant Agreement, dated March 25, 2022 between HDR Engineering, Inc. of the Carolinas (HDR) and S&ME, Inc.

◆ Project Information

This proposal is based on email correspondence and telephone conversations between Mr. Fournier and Mr. Mark Dean (S&ME) in December 2025. To help prepare our proposal, S&ME was provided with the 75% Design Project Plans, prepared by McKim & Creed, dated December 2025

It is our understanding that approximately 3-miles of a new 54-inch raw water transmission main is anticipated to be installed in Pender County and New Hanover County along the US Highway 421 corridor. The line will connect to the raw water transmission main constructed during Phase 2, located between the Cape Fear River and Pender Commerce Park. The raw water transmission main will then proceed south along US Highway 421, terminating at a future meter vault by Cape Fear Public Utility Authority. The installation technique for the raw water line will be direct burial with jack and boring being performed at private driveways and at a crossing of US Highway 421.

It is our understanding that the general contractor will engage a Quality Control firm for in-place density testing and pipe welding observations including NDT. You have requested that S&ME provide on-call, part-time Quality Assurance testing during construction.



Proposal for Construction Materials Testing Services
Kings Bluff Force Main Project - Phase 3
 Wilmington, North Carolina
 S&ME Proposal No. 25060230

◆ Scope of Services

Based on our experience with similar projects and our conversations, we understand that our services may include testing and evaluations of:

- Soils
- Pipe Welding Evaluations and Tests

Testing will be performed in general accordance with the applicable ASTM, AASHTO, and/or other industry standards, unless noted otherwise. The client or their representative is responsible for directing the scope of services provided from the task items presented below.

Earthwork

- **Laboratory Testing:** After obtaining representative soil samples from the site, our laboratory personnel will perform standard Proctor (ASTM D698) testing to obtain the material's optimum moisture content and maximum dry unit weight for comparison with our field density tests. In addition, grain size analyses and Atterberg Limits testing can be performed to determine the soil's classification and evaluate if the test results meet the project requirements.
- **In-Place Field Density Testing:** On a part time basis, our services will consist of performing in-place field density tests at randomly selected locations of backfill to measure the density of the fill placed. Results can be utilized in conjunction with laboratory Proctor test results to evaluate compaction at the test locations for compliance with the project documents.
 - ◆ HDR has requested QA testing to be performed every 500 linear feet of trench and adjacent to pre-cast concrete structures

Pipe Welding

- **Welder Certifications and Procedures:** Our personnel will review welder certifications and the contractor's approved welding procedure specifications (WPS), as necessary.
- **Visual Weld Observations:** Our personnel will evaluate completed field-welded connections for size, length, and quality of welds, as indicated on construction drawings and the visual requirements of the applicable welding code.

Reporting and Meeting Attendance

- **Daily Reports:** Daily Reports of the inspections and tests performed by S&ME will be distributed electronically according to the project distribution list after review by an S&ME professional.
- **Interim Reports/Test Results:** Laboratory test results will be issued in electronic format, as applicable. Other interim reports, if requested, can be prepared.



Proposal for Construction Materials Testing Services
Kings Bluff Force Main Project - Phase 3
 Wilmington, North Carolina
 S&ME Proposal No. 25060230

◆ Excluded Services

Without attempting to be a complete list of all services or potential services that will be excluded from this proposal and not performed by S&ME, the following services are specifically excluded from this proposal:

- Environmental engineering services
- Full time observations of fill placement and testing
- NCDOT roadway crossing, open cut, testing or inspections
- Jack and bore observations
- Slope stability analysis for jacking and receiving pits
- NDT of welded joints
- Visual testing on pipes smaller than 48-inches diameter
- Flowable fill observations and testing
- Geotechnical Engineering
- Dewatering observations
- Temporary/permanent bracing/shoring design or evaluations

◆ Client Responsibilities

We request that the client be responsible for the following during construction:

- **Plans and Specifications:** When they become available, please provide S&ME with complete and current project plans and specifications for each service requested, prior to the performance of our services and throughout the duration of this project, including revised plan sheets and specifications, Requests for Information (RFIs), Architect's Supplemental Instructions (ASIs), Bulletin Drawings, or other items relevant to our scope of services. If we do not receive these, S&ME cannot perform our scoped services accurately.
- **Report Distribution:** Please provide S&ME with the names and contact information for report distribution.
- **Scheduling and Selection of Services:** It is the responsibility of the client to direct the scope of services from the task items described above and address with the general contractor what scope of services will be performed by S&ME during construction.
- **Access to testing site and lifts:** The client shall inform the contractor to help and provide S&ME access to all test areas to safely perform our required testing services during construction. The contractor is responsible for site safety and OSHA requirements.

◆ Limitations

This proposal is solely intended for the basic services as described in the Scope of Services section of this proposal. The Scope of Services may not be modified or amended, unless the changes are first agreed to in writing by the Client and S&ME. Use of this proposal and resulting documents is limited to above-referenced project and Client. No other use is authorized by S&ME.



Proposal for Construction Materials Testing Services
Kings Bluff Force Main Project - Phase 3
 Wilmington, North Carolina
 S&ME Proposal No. 25060230

◆ Project Scheduling

We anticipate that our services will be required on a part time basis for the services outlined above. Scheduling should be made through the S&ME scheduler at our office (910-799-9945) between the office business hours of 8 am and 5 pm, Monday through Friday. We will then assign the appropriate personnel to perform the requested services at the date and time requested by your representative.

We request that a minimum 24-hour notification be provided whenever our services are needed so that we may coordinate our field personnel to meet your specific needs. If our services are needed during off-hours (between 8:00 pm and 5:00 am) and/or on Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the day after Thanksgiving, Christmas Eve, Christmas Day, and New Year's Day, we require a minimum 72-hour notification.

◆ Compensation

Billing for this project will be on a unit price basis, based on actual quantities and the rates shown on the attached Fee Schedule. For budgetary purposes, based on the provided documents and testing frequencies, our anticipated scope of services we have outlined above, and our experience with similar projects, we have estimated our fee to be approximately **\$30,000.00**.

The budget estimate is approximate and may vary depending on final construction schedules, which may be affected by weather, work performed by the contractor or subcontractor, and the contractor's scheduling of our services. In addition, any re-testing required as a result of non-compliance items, inadequate scheduling, or testing not outlined in this proposal, including those from design changes, will affect our fees for this project.

Depending on sequencing and scheduling of work, some of the services may be able to be performed during the same site visit, reducing the overall number of hours required.

◆ Authorization

Our services will be authorized by a Task Order in general accordance with the Master Subconsultant Agreement, dated March 25, 2022 between HDR and S&ME.



Proposal for Construction Materials Testing Services
Kings Bluff Force Main Project - Phase 3
Wilmington, North Carolina
S&ME Proposal No. 25060230

◆ **Closure**

S&ME appreciates the opportunity to submit this proposal to perform services for this project. If you should have any questions relative to the services we have outlined above, please do not hesitate to contact us at (910) 799-9945.

Sincerely,

S&ME, Inc.

Handwritten signature of Mark Dean in blue ink.

Mark Dean, P.E.
CS Operations Manager/Associate Vice President

Handwritten signature of Nathan Buffum in blue ink.

Nathan Buffum, P.E.
Office Principal/Vice President

Attachments: Fee Schedule
Fee Estimate



Fee Estimate
Materials Testing Services
Lower Cape Fear 54-inch Raw Water - Project 3
Wilmington, North Carolina
S&ME Proposal No. 25060230

General Information and Assumptions

- Based on general review of provided plans and **prepared without a detailed general contractor schedule**
- Based on assumed durations by S&ME. Durations may be more/less than assumed
- Mileage (20 miles round trip)

1 Soils	Qty	UOM	Rate	Cost
- Assume 1 trip every 500 LF, total 15,400 LF for 31 trips, 4 hours per trip				
A Technician 3	124	hours	\$110.00	\$13,640.00
B Nuclear Density Gauge	31	days	\$50.00	\$1,550.00
C Soil - Standard Proctor	5	each	\$200.00	\$1,000.00
D Soil - Particle Size Analysis (without hydrometer)	5	each	\$120.00	\$600.00
E Mileage (20 miles round trip)	620	miles	\$1.00	\$620.00
F Professional 5 (Review)	10	hours	\$275.00	\$2,750.00
G Project Administrator 3	15	hours	\$115.00	\$1,725.00
Subtotal:				\$21,885.00

3 Pipe Welding	Qty	UOM	Rate	Cost
- Assume pipe lengths 50 feet, 15,400 linear feet, 308 welds				
- Assume 1 trip every 40 welded joints				
- Assume 8 trips at 6 hours per trip				
A NDE Technician 3	48	hours	\$135.00	\$6,480.00
B Mileage (20 miles round trip)	160	miles	\$1.00	\$160.00
C Professional 5 (Review)	3	hours	\$275.00	\$825.00
D Project Administrator 3	6	hours	\$115.00	\$690.00
Subtotal:				\$8,155.00

Fee Estimate: \$30,040.00

Recommended Estimated Budget: \$30,000.00
--

Attachment B - Reallocation of Fee per Task & Associated Savings

Task Number	Task Description	1 Current Total NTE Fee	2 Reallocated Amount	3 New Fee from P2 Amendment 1	4 (=1+2+3) Revised NTE Fee
Task 1	Project & DB Contract Administration	\$ 275,174	\$ (52,786)	\$ -	\$ 222,388
Task 2	Project Criteria Development & Permitting Matrix	\$ 15,520	\$ (6,735)	\$ -	\$ 8,785
Task 3	DB Procurement & Phase 1 Negotiations	\$ 26,220	\$ (8,464)	\$ -	\$ 17,756
Task 4	Funding Assistance	\$ 55,091	\$ 21,533	\$ -	\$ 76,624
Task 5	Independent Cost Estimating	\$ 22,812	\$ (21,252)	\$ -	\$ 1,560
Task 6	30%, 60% Design Reviews, QA & VE	\$ 43,898	\$ (16,996)	\$ -	\$ 26,903
Task 7	Early Work Package / Early Procurement Support	\$ 9,648	\$ (9,648)	\$ -	\$ -
Task 8	GMP Review & Phase 2 Negotiations	\$ 10,736	\$ 11,157	\$ -	\$ 21,893
Task 9	As Needed Support	\$ 25,000	\$ 10,162	\$ -	\$ 35,162
Task 10	Construction Administration	\$ 60,000	\$ (5,718)	\$ -	\$ 54,282
Task 11	Construction Observation	\$ 332,800	\$ (81,462)	\$ -	\$ 251,338
Project 1 Subtotal		\$ 876,899	\$ (160,209)	\$ -	\$ 716,690

Task 1.2	Project 2 - Project and DB Contract Administration	\$ 80,000	\$ (58,254)	\$ 87,186	\$ 108,932
Task 2.2	Project 2 - Project Criteria Development and Permitting Mat	\$ 8,000	\$ (2,680)	\$ -	\$ 5,320
Task 3.2	Project 2 - DB Procurement and Phase 1 Negotiations	\$ 15,000	\$ (15,000)	\$ -	\$ -
Task 4.2	Project 2 - Funding Assistance	\$ 25,000	\$ 9,173	\$ 37,808	\$ 71,981
Task 5.2	Project 2 - Independent Cost Estimating	\$ 10,000	\$ (10,000)	\$ -	\$ -
Task 6.2	Project 2 - 30%, 60% Design Review, QA, and VE	\$ 30,000	\$ (22,200)	\$ -	\$ 7,800
Task 7.2	Project 2 - Lump Sum Review and Phase 2 Negotiations	\$ 12,000	\$ -	\$ -	\$ 12,000
Task 8.2	Project 2 - Unallocated Engineering Allowance	\$ 15,000	\$ -	\$ -	\$ 15,000
Task 9.2.1	Project 2 - Construction Administration	\$ -	\$ -	\$ 53,184	\$ 53,184
Task 9.2.2	Project 2 - Construction Observation	\$ -	\$ -	\$ 260,608	\$ 260,608
Task 9.2.3	Project 2 - Const. Materials Testing & Special Inspections	\$ -	\$ -	\$ 37,500	\$ 37,500
Project 2 Subtotal		\$ 195,000	\$ (98,961)	\$ 476,286	\$ 572,325
Total Project 1 and 2		\$ 1,071,899	\$ (259,169)	\$ 476,286	\$ 1,289,016

Savings from reallocation \$ 259,169

Net Combined Increase from Projects 1 & 2 \$ 217,117

AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: March 9, 2026

Re: Executive Director's Report

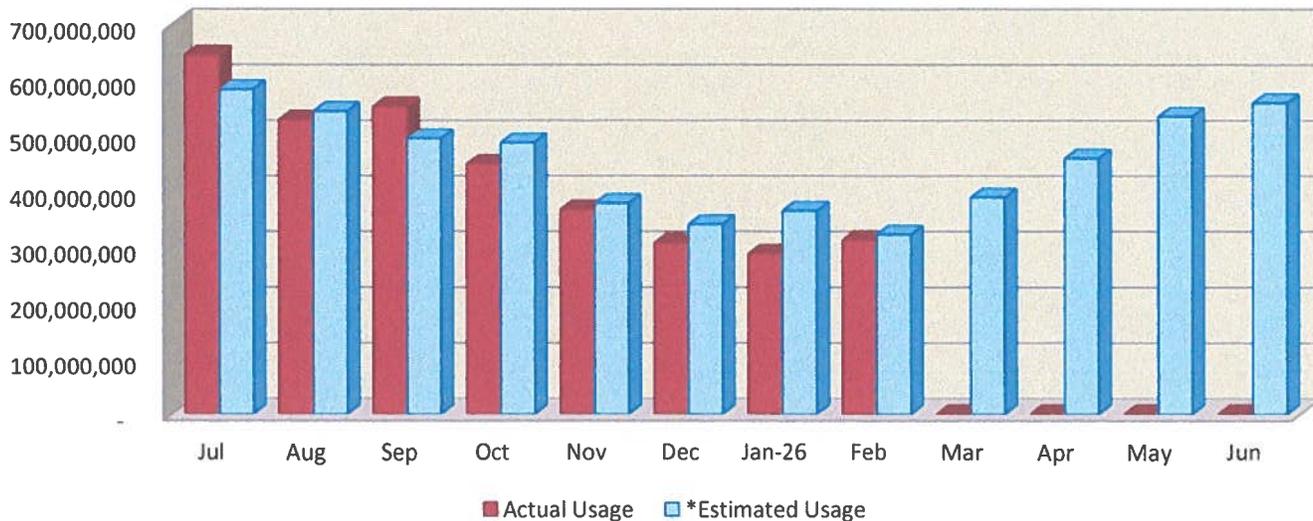
EDR1 - Comments on Customers' Water Usage and Raw Water Revenue for Fiscal Year to Date Ending February 28, 2026

EDR2 - Operating Budget Status, Ending January 31, 2026

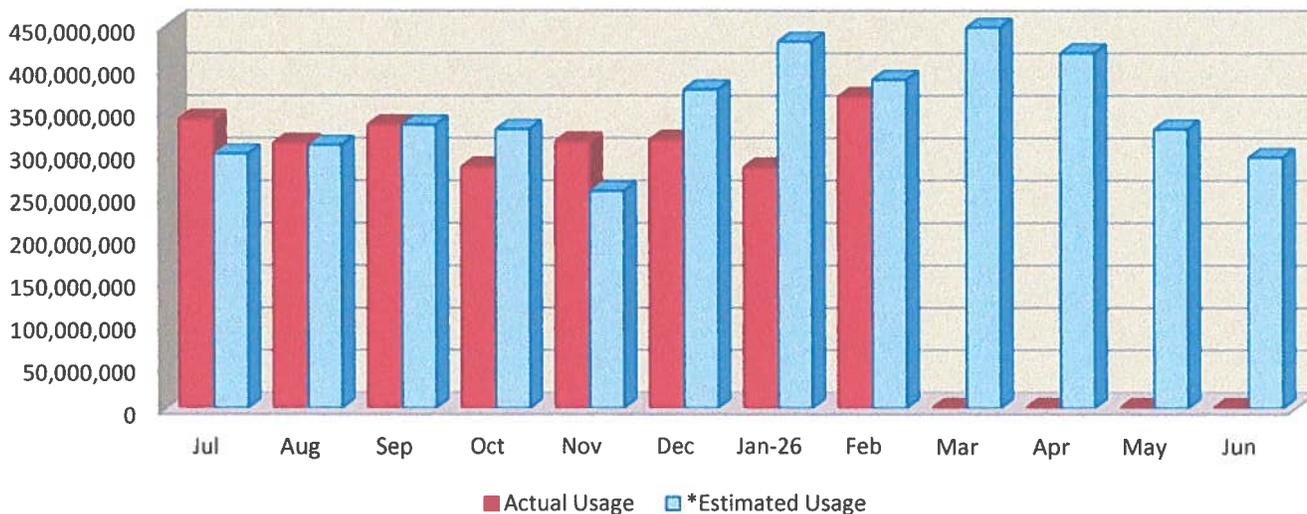
EDR3 - Summary of Activities

Action Requested: For information purposes.

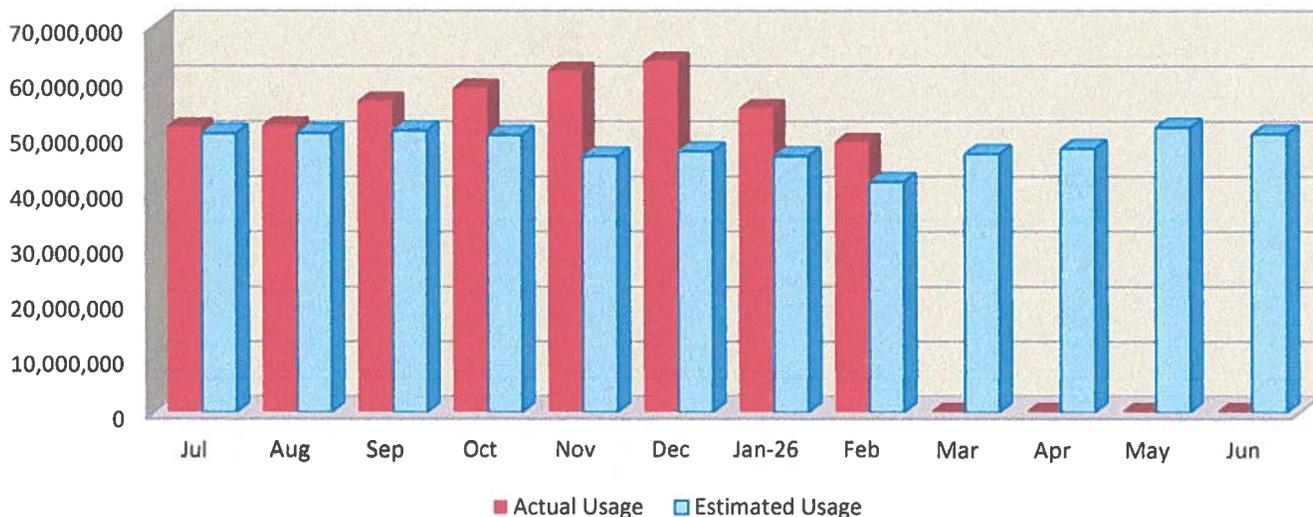
Brunswick County Water Usage FY 25-26



CFPUA Water Usage FY 25-26



Pender County Water Usage FY 25-26



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

ACCOUNT NO.	REVENUES	FY 2025-2026 APPROVED BUDGET	FY 2025-2026 AMENDED BUDGET	July 1 - January 31, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 01/31/2026
				KINGS BLUFF	BLADEN BLUFFS		
	OPERATING						
3001-01	Brunswick County	\$ 2,621,733	\$ 2,621,733	\$ 1,505,616	\$ -	\$ 1,505,616	57%
3002-01	Cape Fear Public Utility Authority	\$ 2,022,934	\$ 2,022,934	\$ 1,047,879	\$ -	\$ 1,047,879	52%
3003-03	Pender County	\$ 289,440	\$ 289,440	\$ 192,181	\$ -	\$ 192,181	66%
3004-01	Stapan/Invista	\$ 140,000	\$ 140,000	\$ 100,014	\$ -	\$ 100,014	71%
3005-01	Praxair, Inc	\$ 35,200	\$ 35,200	\$ 15,209	\$ -	\$ 15,209	43%
3006-01	Bladen Bluffs Reimbursement for Plant Operation Costs	\$ 5,670,086	\$ 5,670,086	\$ -	\$ 2,259,137	\$ 2,259,137	40%
3006-02	Bladen Bluffs Administrative Reimbursement	\$ 133,823	\$ 133,823	\$ -	\$ 112,927	\$ 112,927	84%
3007-01	Sales Tax Refund	\$ 159,988	\$ 159,988	\$ -	\$ -	\$ -	0%
	Subtotal	\$ 11,073,204	\$ 11,073,204	\$ 2,860,899	\$ 2,372,064	\$ 5,232,962	47%
	Non-Operating						
3105-01	Interest	\$ 200,000	\$ 200,000	\$ 149,129	\$ -	\$ 149,129	75%
3120-01	Other Revenue (Insurance Proceeds/Refunds/FEMA)	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3125-01	Federal Tax Subsidy	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3156-00	Rental House Income	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3170-01	Transfer In	\$ -	\$ -	\$ -	\$ -	\$ -	0%
3900-01	Renewal and Replacement Fund Appropriated	\$ -	\$ 750,000	\$ 750,000	\$ -	\$ 750,000	0%
3900-02	SRF/ARPA	\$ 37,762,800	\$ 37,762,800	\$ 20,382,065	\$ -	\$ 20,382,065	54%
2900-00	Fund Balance Appropriated	\$ -	\$ -	\$ -	\$ -	\$ -	0%
	Subtotal	\$ 37,962,800	\$ 38,712,800	\$ 21,281,194	\$ -	\$ 21,281,194	55%
	TOTAL REVENUES	\$ 49,036,004	\$ 49,786,004	\$ 24,142,093	\$ 2,372,064	\$ 26,514,156	53%

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

ACCOUNT NO.	EXPENDITURES	FY 2025-2026 APPROVED BUDGET	FY 2025-2026 AMENDED BUDGET	July 1 - January 31, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 01/31/2026
				KINGS BLUFF	BLADEN BLUFFS		
	Administration						
4001-01	Salaries	\$ 246,869	\$ 246,869	\$ 107,706	\$ 43,202	\$ 150,908	61%
4010-01	Per Diem and Mileage Board Members	\$ 64,791	\$ 64,791	\$ 21,380	\$ 11,338	\$ 32,718	50%
4012-01	Vehicle Allowance	\$ 5,200	\$ 5,200	\$ 2,290	\$ 910	\$ 3,200	62%
4019-01 & 4024-01	FICA Taxes	\$ 24,658	\$ 24,658	\$ 9,741	\$ 4,315	\$ 14,056	57%
4029-01	Retirement	\$ 36,660	\$ 36,660	\$ 13,304	\$ 6,416	\$ 19,720	54%
4035-01	401K Plan	\$ 13,912	\$ 13,912	\$ 4,774	\$ 2,435	\$ 7,209	52%
4036-01	Miscellaneous Payroll Processing Expenses	\$ 2,900	\$ 2,900	\$ 1,990	\$ -	\$ 1,990	69%
4038-01	Group Insurance	\$ 42,586	\$ 42,586	\$ 10,693	\$ 7,453	\$ 18,146	43%
4039-01	Property and Liability Insurance	\$ 173,160	\$ 173,160	\$ 75,400	\$ 30,303	\$ 105,703	61%
4046-00	Professional Services General	\$ 55,000	\$ 210,000	\$ 139,364	\$ -	\$ 139,364	66%
4046-01	Attorney	\$ 65,000	\$ 65,000	\$ 34,843	\$ -	\$ 34,843	54%
4047-01	Auditor	\$ 9,500	\$ 9,500	\$ 3,950	\$ 2,800	\$ 6,750	71%
4048-01	Engineer	\$ 150,000	\$ 42,500	\$ 21,503	\$ -	\$ 21,503	51%
4049-01	Information Technology	\$ 15,000	\$ 20,000	\$ 11,833	\$ -	\$ 11,833	59%
4050-01	Financial Advisor	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	0%
4055-01	Office Maintenance/Repair/Common Charge	\$ 45,000	\$ 45,000	\$ 16,453	\$ -	\$ 16,453	37%
4058-01	Office Utilities	\$ 4,000	\$ 4,000	\$ 1,857	\$ -	\$ 1,857	46%
4059-01	Office Expenses (telephone, Printing, Adv)	\$ 15,000	\$ 15,000	\$ 4,719	\$ -	\$ 4,719	31%
4062-01	Office Equipment	\$ 30,000	\$ 50,000	\$ 31,871	\$ -	\$ 31,871	64%
4064-01	Printing and Advertising	\$ 15,500	\$ 20,500	\$ 2,971	\$ -	\$ 2,971	14%
4065-01	Telephone and Internet	\$ 5,500	\$ 7,100	\$ 4,351	\$ -	\$ 4,351	61%
4070-01	Travel and Training	\$ 36,000	\$ 38,500	\$ 17,406	\$ -	\$ 17,406	45%
4070-20	Phone Allowance	\$ 520	\$ 520	\$ 229	\$ 91	\$ 320	62%
4075-01	Vehicle Expense	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4080-01	Miscellaneous Expense	\$ 25,000	\$ 25,000	\$ 2,229	\$ -	\$ 2,229	9%
4081-01	Dues & Subscription	\$ 12,000	\$ 12,000	\$ 8,737	\$ -	\$ 8,737	73%
	Subtotal	\$ 1,103,756	\$ 1,185,356	\$ 549,594	\$ 109,263	\$ 658,857	56%

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

ACCOUNT NO.	EXPENDITURES	FY 2025-2026 APPROVED BUDGET	FY 2025-2026 AMENDED BUDGET	July 1 - January 31, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 01/31/2026
				KINGS BLUFF	BLADEN BLUFFS		
	Operating						
4501-01	Sales Tax Expense	\$ 150,000	\$ 550,000	\$ -	\$ 318,110	\$ 318,110	58%
4510-01	Bladen Bluffs O & M	\$ 3,821,385	\$ 3,416,385	\$ -	\$ 506,969	\$ 506,969	15%
4515-01	Bladen Bluffs Hurricane Florence	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4520-01	Utilities/Energy Kings Bluff	\$ 778,052	\$ 701,452	\$ 352,954	\$ -	\$ 352,954	50%
4530-01	Contract O & M Kings Bluff	\$ 736,811	\$ 736,811	\$ 428,051	\$ -	\$ 428,051	58%
4537-01	O&M Kings Booster Pump Bluff Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4541-01	Combined Enterprise Funded Series 2010 Principal	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4542-01	Combined Enterprise Funded Series 2010 Interest	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4543-01	Combined Enterprise System Ref Series 2012 Principal	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4544-01	Combined Enterprise System Ref Series 2012 Interest	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4545-01	Bladen Bluffs Debt Service Principal	\$ 1,115,000	\$ 1,115,000	\$ -	\$ 1,115,000	\$ 1,115,000	100%
4546-01	Bladen Bluffs Debt Service Interest	\$ 480,000	\$ 480,000	\$ -	\$ 236,226	\$ 236,226	49%
	Operating Capital Expense	\$ 10,851,000	\$ 10,851,000	\$ 626,109	\$ -	\$ 626,109	6%
4998-05	Transfer to R&R - Kings Bluff R&R Expense	\$ -	\$ 750,000	\$ -	\$ -	\$ -	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	\$ 30,000,000	\$ 30,000,000	\$ 19,678,164	\$ -	\$ 19,678,164	66%
	Subtotal	\$ 47,932,248	\$ 48,600,648	\$ 21,085,278	\$ 2,176,305	\$ 23,261,583	48%
	TOTAL EXPENDITURES	\$ 49,036,004	\$ 49,786,004	\$ 21,634,872	\$ 2,285,568	\$ 23,920,440	48%

Executive Director Highlighted Activities:

- Regular Monthly meetings with the Design Build Team and the Owner's Advisor for the parallel line project.
- Contract review with HDR.
- Continuing work with the Legislative Delegation on the double project funding
- Our real estate team closed on the 65-acre tract for the reservoir.
- Continued work on IBT Concern
- Attend meeting on Check Dams
- Certify BB Monthly Report
- Met with Partners and McKim and Creed about the Master Plan update prior to the Long-Range Planning committee
- Met with CFPUA Staff regarding Project Budget Amendment
- Met with Kemp Burdett, Cape Fear River Watch
- Regional Director's Quarterly Meeting
- Met with HDR to review project amendment
- Conducted a tour of Kings Bluff
- Danielle worked with our bank a few months back to set up Positive Pay on our bank accounts, a fraud-prevention service offered by banks to help protect the Authority's accounts from unauthorized or altered payments. Under this service, the Authority provides the bank with a list of issued checks or approved transactions, and the bank matches items presented for payment against that list. Any discrepancies are flagged for review before payment is released. This added control helps reduce the risk of check fraud and strengthens our overall financial safeguards.

AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: March 9, 2026

Re: Closed Session in Accordance with NCGS §143-318.11(a)(3) to discuss with our attorney a matter within the attorney-client privilege

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

A Closed Session is required in accordance with NCGS §143-318.11(a)(3) to discuss with our attorney a matter within the attorney-client privilege

A motion is made by _____ to go into a closed session in accordance with North Carolina General Statute Section 143-318.11(a)(3) to discuss with our attorney a matter within the attorney-client privilege.

The motion is seconded by _____.

Closed Session

A motion is made by _____ to return to open session.

The motion is seconded by _____.

AGENDA
Lower Cape Fear Water & Sewer Authority
1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina
Immediately following the Regularly Board Meeting – Long Range Planning Committee Meeting
March 9, 2026

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 it to the Board for Approval at the May 11th, 2026, board meeting.

FUTURE MEETINGS: TBD

ADJOURNMENT



DRAFT MASTER PLANNING DOCUMENT

25 Year Planning Period
FY 2026-2027 to FY 2050-2051
Updated March 2026

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



TABLE OF CONTENTS

1. Executive Summary
2. **King's Bluff Raw Water Facilities Capital Improvement Project Sheets**
 - a. **Lower Cape Fear Water and Sewer Authority Projects**
 - KB1. New 4th Pump (RWP#3) at King's Bluff Raw Water Pumping Station
 - KB2. Rebuild/Refurbish 1600 HP Vertical Turbine Raw Water Pump (RWP#3)
 - KB3. New Generators at King's Bluff Raw Water Pumping Station
 - KB4. Pig 48" Pipe from King's Bluff Pump Station to 3 MG Ground Tank
 - KB5. Pig Future 54" Pipe from King's Bluff Pump Station to 3 MG Ground Tank
 - KB6. Walkway and Air Backwash Building Replacement
 - KB7. Replace Raw Water Pumps (RWP# 1, 4 and 5)
 - KB8. New Surge Tank and Control Panel at King's Bluff Pump Station
 - KB9. 5 ROW Acquisitions
 - KB10. 48-Inch PCCP Inspection and Pig – Ground Tank to US-421
 - KB11. 48-Inch PCCP Repairs
 - KB12. 48-Inch PCCP Leak Detection Project
 - KB13. Solar Power Study and Installation
 - b. **Cost Sharing Projects***
 - CS1. New 5th Pump (RWP#2) at King's Bluff Pump Station
 - CS2. 3-Mile 54-Inch Parallel Raw Water Main – Pender Vault to CFPUA Vault
 - CS3. 100 MGD Reservoir

*** Note: The Intermediate Booster Pump Station (IBPS) Shelter, IBPS Upgrade and 20 MG GST Projects are no longer required due to expedited schedules of CS2, CS3 and the 7-Mile Parallel Raw Water Main. The 7-Mile Parallel Raw Water Main has been removed from this Master Plan as it is under construction and fully funded through grants.**
3. **King's Bluff Raw Water Facilities Annual Fiscal Year Budget Breakdown**
4. **Bladen Bluffs Regional Surface Water Facility Capital Improvement Project Sheets**
 - a. **Bladen Bluffs Regional Surface Water Facility Capital Projects**
 - BB1. Replace Existing Pumps at Bladen Bluffs Raw Water Pumping Station
 - BB2. Replace Blower in the Blower Building
 - BB3. Replace Existing Pumps at the Recycle Pumping Station
 - BB4. Replace Existing Pumps at the Transfer Pumping Station
 - BB5. Replace Existing Generators at Bladen Bluffs Pumping Station
 - BB6. PLC Upgrades
 - BB7. SCADA Upgrades

- BB8. Intake Screen Walkway Replacement
- b. Bladen Bluffs Regional Surface Water Facility Expansion Projects**
- BBE1. Bladen Bluffs Expansion Study
 - BBE2. New High Service Pumping Station
 - BBE3. Construct New 1 MG Capacity Clearwell
- 5. Bladen Bluffs Regional Surface Water Facility Annual Fiscal Year Budget Breakdown**
- 6. Appendix**

Executive Summary

I. Kings Bluff Raw Water Facilities

The Authority's proposed 25-year (FY2026-FY2027 through FY2050-FY2051) Capital Project budget for the Kings Bluff Raw Water Facilities is estimated at approximately \$170M. This includes a 54-inch parallel raw water main from the existing Pender County Vault to the US 421 service area that is required in the future to meet the capacity needs of the US 421 area customers and CFPUA. The cost of this parallel main is estimated at \$17M and is subject to grant funding.

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

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

The largest capital initiatives (over \$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 4th pump (RWP#3) at King's Bluff Pumping Station
- Replace existing pumps (RWP#1, 4 and 5) at King's Bluff Pumping Station
- Install 54" parallel raw water main from vault at Pender WTP to CFPUA vault at US 421
- New 5th Pump (RWP#2) at King's Bluff Pumping Station
- Installation of a new surge tank and control panel upgrades 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
- Refurbish/rebuild raw water pump (RWP#3 and 4)

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

- 5 ROW Acquisitions

II. Bladen Bluffs Regional Surface Water Facility

The Authority's proposed 25-year (FY2026-FY2027 through FY2050-FY2051) Capital Project budget for the Bladen Bluffs Regional Surface Water Facility is estimated at approximately \$14.41M. 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
- Intake Screen Walkway Replacement

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

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

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

III. Capital Projects Evaluations

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

1) Category of Need

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

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

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

Criticality Scoring Scale

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

3) Consequence of No-Action

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

4) Project Raw Water Demands

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

LCFWASA Projected Raw Water Demands

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
Totals	46.58	77.63	90.62	113.8	125.05

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

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

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

KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	New 4 th pump (RWP#3) at King's Bluff Raw Water Pump Station		KB 1
CATEGORY OF NEED:	Capacity/Efficiency	EXPENDITURE CATEGORY:	Expansion
<p>Summary:</p> <ul style="list-style-type: none"> Provide a fourth raw water pump (RWP#3) at King's Bluff Pumping Station due to age and mechanical wear of existing pumps and to meet projected demands. Projected demands will exceed station firm capacity by 2037. 			
<p>Justification:</p> <ul style="list-style-type: none"> Increase station capacity to meet long term raw water demand. Provide redundancy during periods of high demand. 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. 			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The projected demands at the station will exceed the firm capacity and the station will not be able to serve the project customer demand. 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. 			
<p>Criticality:</p> <div style="text-align: right;">▼</div>			
1	2		3
DURATION (MONTHS)	24		
REQUIRED COMPLETION	2028		
TOTAL ESTIMATED COST	\$5,800,000*		
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE		
2026 – 2027	\$5,800,000		

*Note: Subject to grant funding.



KING'S BLUFF RAW WATER FACILITIES

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



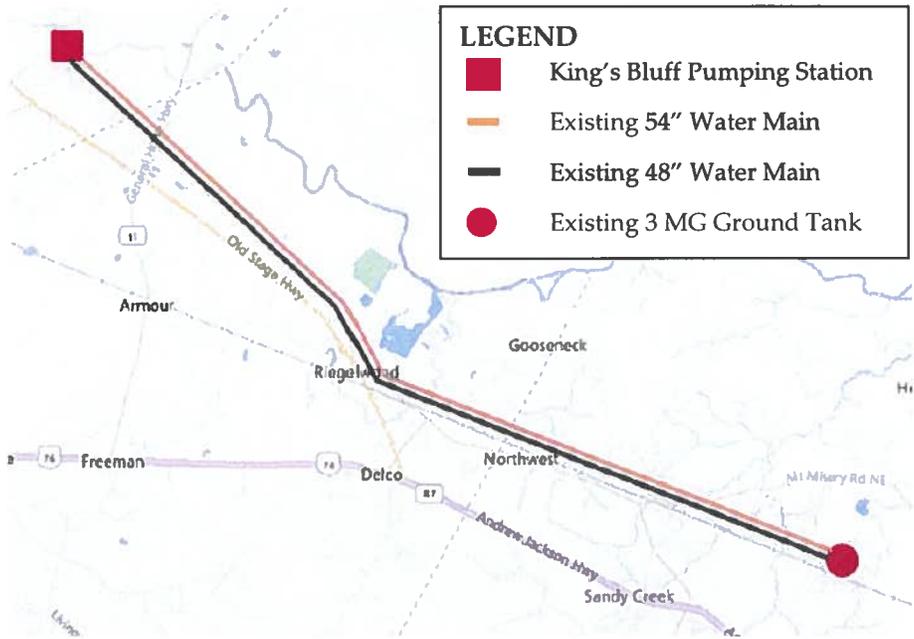
KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	Generators at King's Bluff Raw Water Pump Station		KB 3			
CATEGORY OF NEED:	Capacity, Efficiency, Maintenance	EXPENDITURE CATEGORY:	Maintenance /Expansion			
<p>Summary:</p> <ul style="list-style-type: none"> Provide new standby generator(s) and a new generator building at the pump station. 						
<p>Justification:</p> <ul style="list-style-type: none"> Requires upgrade due to future increased load associated with additional pump motor HP as well as larger quantity of pumps. A new building will be needed to house the new generators. Due to age, replacement parts are not readily available. 						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The current generators are undersized to accommodate long-term demands. The existing generators are anticipated to become cost prohibitive to maintain. 						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)	24					
REQUIRED COMPLETION	2033					
TOTAL ESTIMATED COST	\$21,500,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2031 - 2032	\$2,200,000					
2032 - 2033	\$19,300,000					



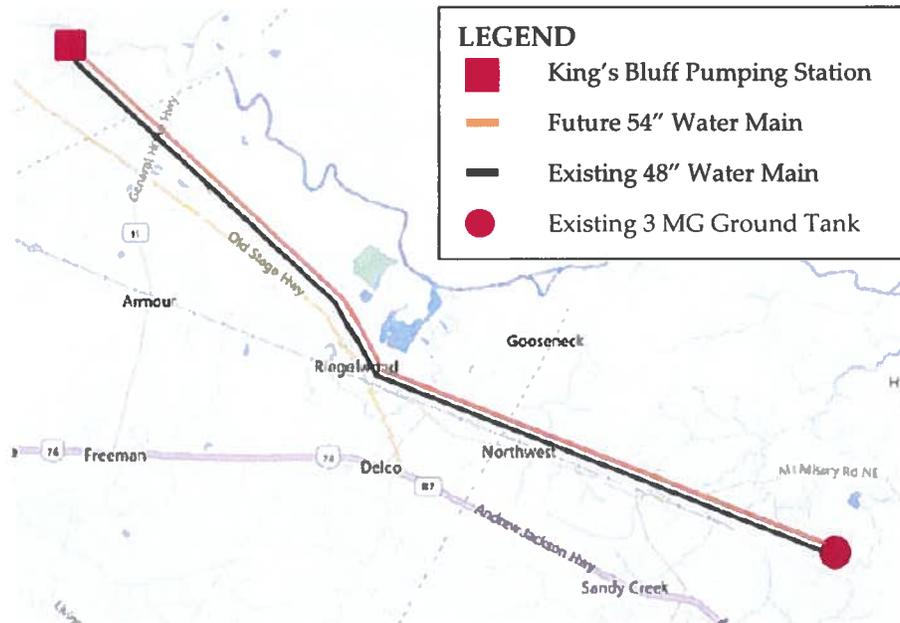
KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	Pig 48" Pipe from King's Bluff Pump Station to 3 MG Ground Tank		KB 4
CATEGORY OF NEED:	Renewal/Rehabilitation, Efficiency	EXPENDITURE CATEGORY:	Maintenance
<p>Summary:</p> <ul style="list-style-type: none"> Pig 48" pipeline from King's Bluff to 3 MG ground tank. Repair and/or replace air release valves and blow-offs. 			
<p>Justification:</p> <ul style="list-style-type: none"> Pigging will maintain a clean pipeline free of sediment, silt, and debris cleaned or emptied in the case of an emergency. Improves efficiency of pumps by reducing frictional characteristics of the pipeline 			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Potential for loss of capacity and/or clogging due to sediment buildup. Loss of efficiency and higher electrical costs 			
<p>Criticality:</p> <p style="text-align: center;">▼</p> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 33%; background-color: #4CAF50; color: white; text-align: center; padding: 5px;">1</div> <div style="width: 33%; background-color: #FFEB3B; color: black; text-align: center; padding: 5px;">2</div> <div style="width: 33%; background-color: #C0392B; color: white; text-align: center; padding: 5px;">3</div> </div>			
DURATION (MONTHS)	12		
REQUIRED COMPLETION	2042		
TOTAL ESTIMATED COST	\$2,100,000		
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE		
2041 - 2042	\$2,100,000		



KING'S BLUFF RAW WATER FACILITIES

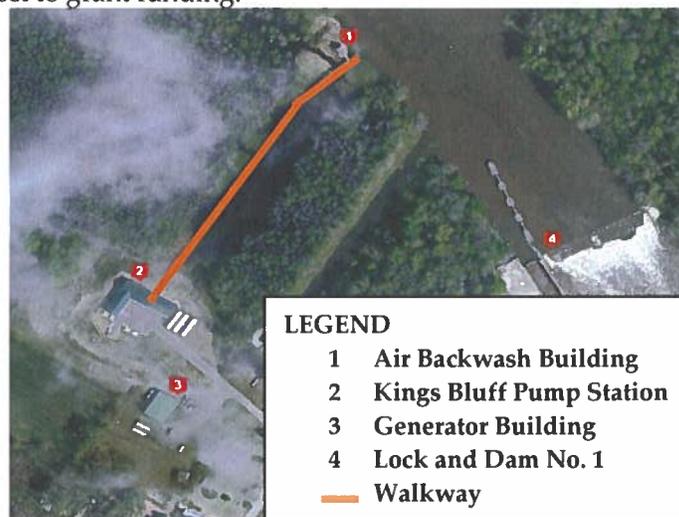
PROJECT TITLE	Fig 54" Pipe from 3 MG Ground Tank to US 421		KB 5
CATEGORY OF NEED:	Renewal/Rehabilitation, Efficiency	EXPENDITURE CATEGORY:	Maintenance
<p>Summary:</p> <ul style="list-style-type: none"> Pig 54" pipeline from King's Bluff to 3 MG ground tank. Repair and/or replace air release valves and blow-offs. 			
<p>Justification:</p> <ul style="list-style-type: none"> Pigging will maintain a clean pipeline free of sediment, silt, and debris cleaned or emptied in the case of an emergency. Improves efficiency of pumps by reducing frictional characteristics of the pipeline 			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Potential for loss of capacity and/or clogging due to sediment buildup. Loss of efficiency and higher electrical costs 			
<p>Criticality:</p> <p style="text-align: center;">▼</p> <div style="display: flex; justify-content: space-around;"> <div style="background-color: #4F81BD; width: 30px; height: 15px;"></div> <div style="background-color: #FFD700; width: 30px; height: 15px;"></div> <div style="background-color: #C00000; width: 30px; height: 15px;"></div> </div>			
DURATION (MONTHS)	12		
REQUIRED COMPLETION	2036		
TOTAL ESTIMATED COST	\$1,800,000		
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE		
2035-2036	\$1,800,000		



KING'S BLUFF RAW WATER FACILITIES

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

*Note: Subject to grant funding.



KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	Replace Raw Water Pumps (RWP#1, 4 and 5)		KB 7
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance
<p>Summary:</p> <ul style="list-style-type: none"> Replace 1600 HP vertical turbine raw water pumps (RWP#1, 4 and 5) originally installed in 2009. 			
<p>Justification:</p> <ul style="list-style-type: none"> Due to age and mechanical wear, it is anticipated that replacement of raw water pumps (RWP#1, 4, and 5) will be required. 			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> 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. 			
<p>Criticality:</p> <p style="text-align: right;">▼</p>			
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		



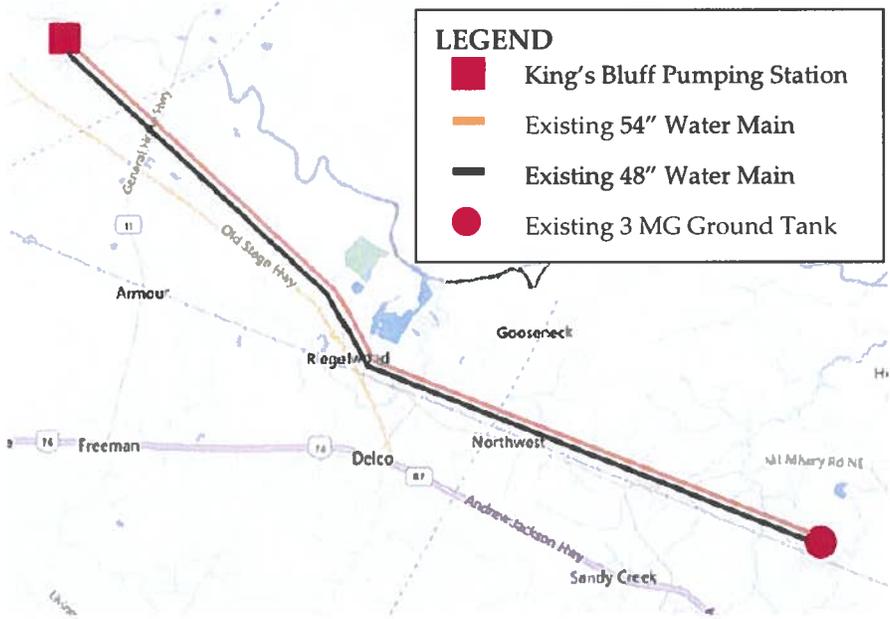
KING'S BLUFF RAW WATER FACILITIES

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



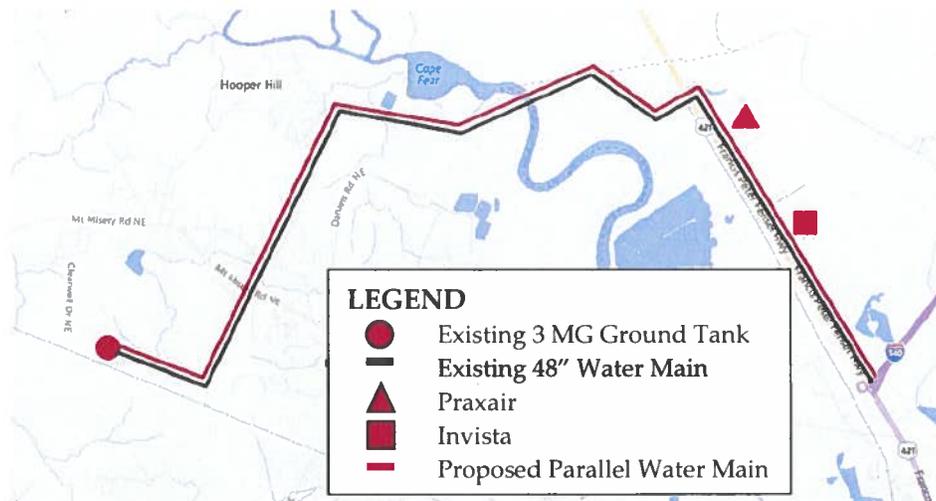
KING'S BLUFF RAW WATER FACILITIES

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



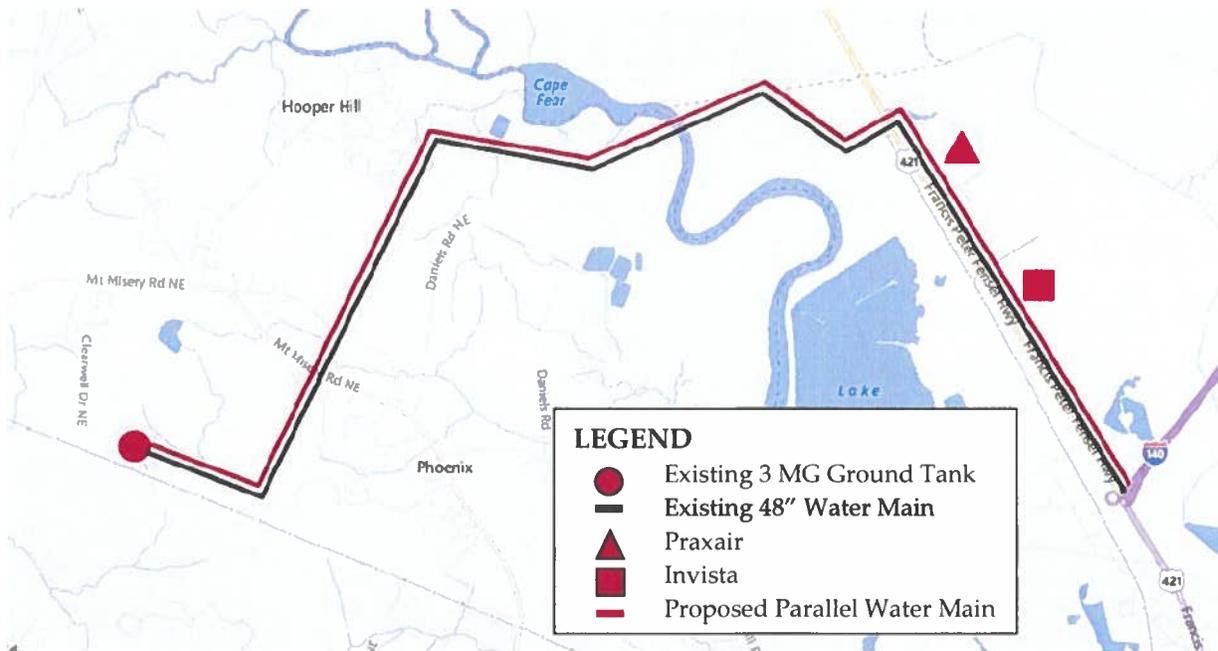
KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	48-Inch PCCP Inspection and Pig-Ground Tank to US-421		KB 10			
CATEGORY:	Renewal/Rehabilitation, Efficiency	EXPENDITURE CATEGORY:	Maintenance			
<p>Summary:</p> <ul style="list-style-type: none"> • 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. • Inspection to existing 48-inch PCCP pipe from the existing 3 MG ground tank to US-421. 						
<p>Justification:</p> <ul style="list-style-type: none"> • Pipe and appurtenances require routine inspection, maintenance, and repairs. • Recent evaluation indicated build -up of sediment in the 48" line. Pigging will maintain a clean pipeline free of sediment, silt, and debris. • Improves efficiency of pumps by reducing frictional characteristics of the pipeline 						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> • Current loss of capacity and/or clogging due to sediment buildup. • Loss of efficiency and higher electrical costs 						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)	15					
REQUIRED COMPLETION	2029					
TOTAL ESTIMATED COST	\$2,810,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2027 - 2028	\$2,600,000					
2028 - 2029	\$210,000					



KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	48-Inch PCCP Repairs		KB 11
CATEGORY OF NEED:	Renewal/Rehabilitation, Maintenance	EXPENDITURE CATEGORY:	Maintenance
Summary: <ul style="list-style-type: none"> 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 			
Justification: <ul style="list-style-type: none"> Pipe requires routine maintenance, inspection, and repairs. 			
Consequence of No Action: <ul style="list-style-type: none"> Increased risk for pipeline break. 			
Criticality: ▼			
1	2		3
DURATION (MONTHS)	12		
REQUIRED COMPLETION	2028		
TOTAL ESTIMATED COST	\$1,000,000		
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE		
2027 - 2028	\$1,000,000		



KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	48" PCCP Leak Detection Project		KB 12
CATEGORY OF NEED:	Renewal/Rehabilitation, Efficiency, Maintenance	EXPENDITURE CATEGORY:	Maintenance
<p>Summary:</p> <ul style="list-style-type: none"> 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. 			
<p>Justification:</p> <ul style="list-style-type: none"> Identifies potential leaks and weak points in the existing line prior to a break or failure 			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Increased risk for a break to occur along the pipeline at some point in the future 			
<p>Criticality:</p> <p style="text-align: center;">▼</p>			
1	2		3
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

PROJECT TITLE	Solar Power Study and Installation		KB 13
CATEGORY OF NEED:	Efficiency/Redundancy	EXPENDITURE CATEGORY:	Expansion
<p>Summary:</p> <ul style="list-style-type: none"> 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 			
<p>Justification:</p> <ul style="list-style-type: none"> Improves reliability and efficiency of the station by providing a redundant power source 			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Increased risk for power failure during emergency scenarios 			
<p>Criticality:</p> <p style="text-align: center;">▼</p>			
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 2026-2027 through FY 2050-2051**

KING'S BLUFF RAW WATER FACILITIES

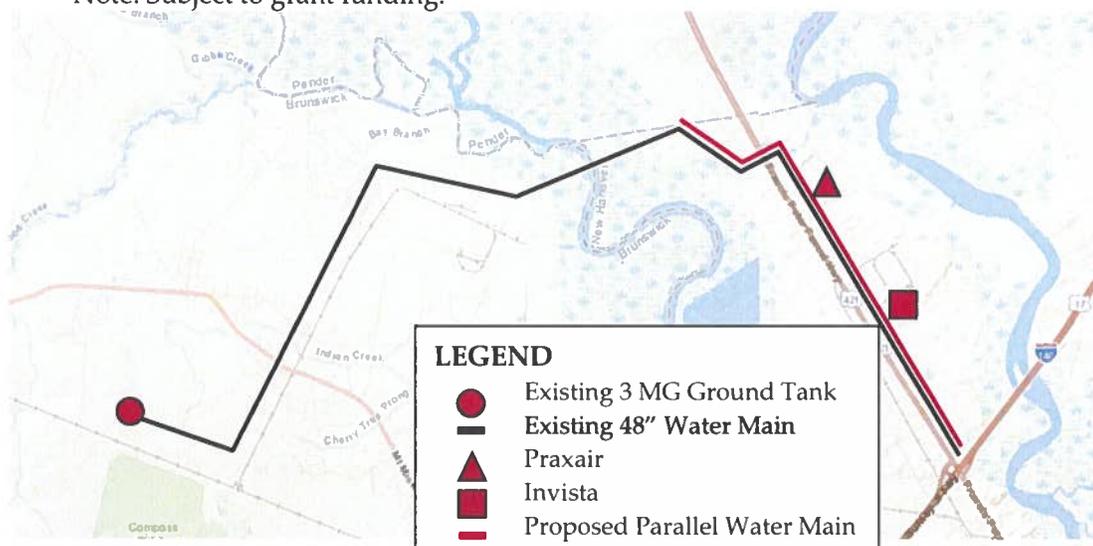
PROJECT TITLE	New 5 th Pump (RWP#2) at King's Bluff Raw Water Pump Station		CS 1			
CATEGORY OF NEED:	Capacity	EXPENDITURE CATEGORY:	Expansion			
<p>Summary:</p> <ul style="list-style-type: none"> Provide a fifth raw water pump (RWP#2) at King's Bluff Pumping Station to meet projected demands. (See #2 on legend in graphic below) Projected demands will exceed station firm capacity by 2062. 						
<p>Justification:</p> <ul style="list-style-type: none"> Decrease load and run times on existing pumps to extend life and improve reliability. Increase station capacity to meet long term raw water demand. 						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The projected demands at the station will exceed the firm capacity and the station will not be able to serve the project customer demand. 						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)	24					
REQUIRED COMPLETION	2044					
TOTAL ESTIMATED COST	\$9,400,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2041 - 2042	\$2,000,000					
2042 - 2043	\$5,100,000					
2043 - 2044	\$2,300,000					



KING'S BLUFF RAW WATER FACILITIES

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

*Note: Subject to grant funding.



KING'S BLUFF RAW WATER FACILITIES

PROJECT TITLE	100 MG Reservoir		CS 3			
CATEGORY OF NEED:	Efficiency	EXPENDITURE CATEGORY:	Expansion			
<p>Summary:</p> <ul style="list-style-type: none"> Design & construction of a new 100 MG reservoir. The <i>Ground Storage Reservoir Feasibility Evaluation</i> was drafted by McKim & 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). 						
<p>Justification:</p> <ul style="list-style-type: none"> Increase in available system storage. Allows for temporary redundancy of supply in the case of an emergency (line break, power outage, etc.). 						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Minimal system storage as system demands continue to increase. Loss of regular supply under emergency conditions. 						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #C0392B; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)	48					
REQUIRED COMPLETION	2035					
TOTAL ESTIMATED COST	\$81,100,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2027 - 2028	\$100,000					
2028 - 2029	\$880,000					
2033 - 2034	\$8,700,000					
2034 - 2035	\$71,420,000					



KING'S BLUFF RAW WATER FACILITIES

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

Project No.	Description	FY 26- FY 27	FY 27- FY 28	FY 28- FY 29	FY 29- FY 30	FY 30- FY 31	FY 31- FY 32	FY 32- FY 33	FY 33- FY 34	FY 34- FY 35	FY 35- FY 36	FY 36- FY 37	FY 37- FY 38	FY 38- FY 39	FY 39- FY 40	FY 40- FY 41	FY 41- FY 42	FY 42- FY 43	FY 43- FY 44	FY 44- FY 45	FY 45- FY 46	FY 46- FY 47	FY 47- FY 48	FY 48- FY 49	FY 49- FY 50	FY 50- FY 51	Total
KB 1	New 4th Pump at King's Bluff (KBPS)	\$ 5.80																									\$ 5.80
KB 2	Rebuild High Service Pump Motor	\$0.50									\$ 0.50																\$ 1.00
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	\$ 4.20																									\$ 4.20
KB 7	Replace Raw Water Pumps 1, 4, 5				\$ 4.60							\$ 5.30															\$15.70
KB 8	New Surge Tank at KBPS	\$ 1.45																									\$ 1.45
KB 9	5 ROW Acquisitions	\$ 0.14	\$ 0.14																								\$ 0.28
KB 10	48-Inch PCCP Inspection and Pig - Ground Tank to US 421		\$ 2.60	\$ 0.21																							\$ 2.81
KB 11	48-Inch PCCP Repairs		\$ 1.00																								\$ 1.00
KB 12	48" PCCP Leak Detection Project		\$ 0.30			\$ 0.30								\$ 0.30									\$ 0.30				\$ 1.50
KB 13	Solar Power Study and Installation				\$ 0.50	\$ 2.50																					\$ 3.00
Cost Sharing Projects																											
CS 1	New 5th Pump at King's Bluff															\$ 2.00	\$ 5.10	\$ 2.30									\$ 9.40
CS 2	3-Mile 54" Parallel Raw Water Main	\$ 8.00	\$ 9.00																								\$17.00
CS 3	100 MGD Reservoir		\$ 0.10	\$ 0.88				\$ 8.70	\$ 71.42	\$ 71.42	\$ 1.80	\$ 0.50	\$ 5.30	\$ 0.30	\$ -	\$ 5.80	\$ 4.10	\$ 5.10	\$ 2.60	\$ -	\$ -	\$ -	\$ -	\$ 0.30	\$ -	\$ -	\$81.10
Total Fiscal Year Expenditure		\$20.09	\$12.84	\$ 1.39	\$ -	\$ 0.50	\$ 4.70	\$23.90	\$ 9.00	\$71.42	\$ 1.80	\$ 0.50	\$ 5.30	\$ 0.30	\$ -	\$ 5.80	\$ 4.10	\$ 5.10	\$ 2.60	\$ -	\$ -	\$ -	\$ -	\$ 0.30	\$ -	\$ -	\$169.40

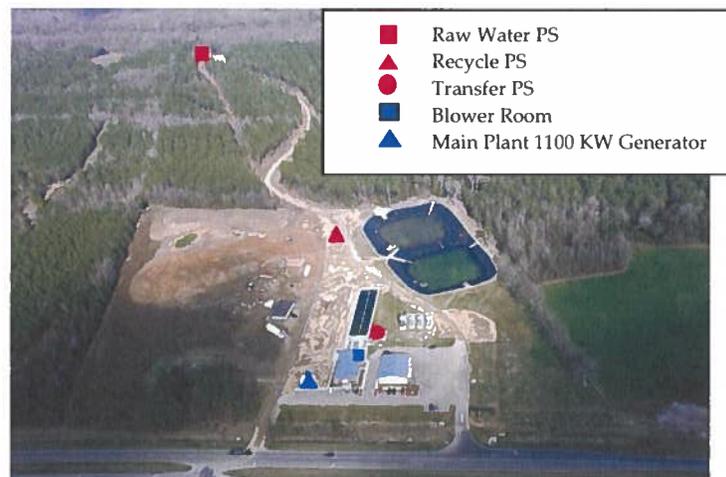
* Intermediate Booster Pump Station Shelter, Intermediate Booster Pump Station Upgrade and 20 MG Ground Storage Tank Projects are no longer required due to expedited schedules of CS2, CS3 & 7-Mile Parallel Raw Water Main.

BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

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

BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Replace Two (2) Pumps at the Raw Water Pump Station	BB 1			
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY: Maintenance			
<p>Summary:</p> <ul style="list-style-type: none"> Routine replacement of two (2) aging pumps at the Raw Water Pumping Station. <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"> Pumps will be approximately 20 years old by 2032 and approaching end of useful service life. 					
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The likelihood of failure of the pumps increases due to age and wear of the existing pump. 					
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>			1	2	3
1	2	3			
DURATION (MONTHS)	12				
REQUIRED COMPLETION	2033				
TOTAL ESTIMATED COST	\$480,000				
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE				
2032-2033	\$480,000				



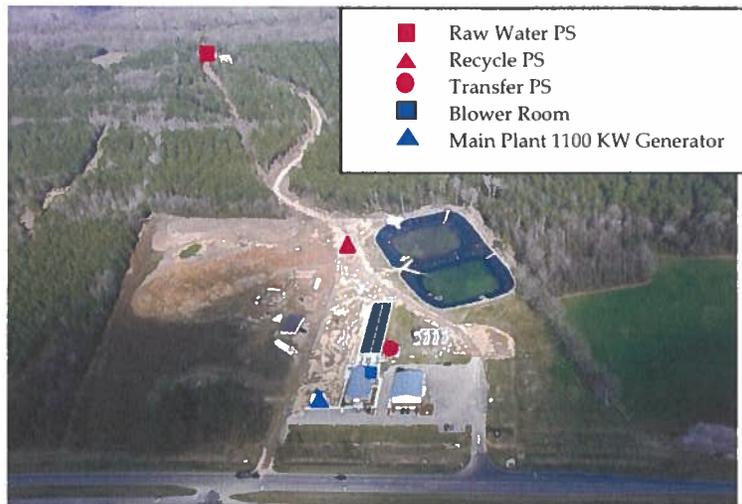
BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Replace Blower in the Blower Building	BB 2
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY: Maintenance
<p>Summary:</p> <ul style="list-style-type: none"> Routine replacement of aging blower in blower building. <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"> Blower will be approximately 25 years old by 2032 and approaching end of useful service life. 		
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The likelihood of failure of the blower increases due to age and wear of the existing blower. 		
<p>Criticality:</p> <p style="text-align: center;">▼</p> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 33%; background-color: #4CAF50; text-align: center; color: white; padding: 5px;">1</div> <div style="width: 33%; background-color: #FFEB3B; text-align: center; color: black; padding: 5px;">2</div> <div style="width: 33%; background-color: #F44336; text-align: center; color: white; padding: 5px;">3</div> </div>		
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 3			
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY: Maintenance			
<p>Summary:</p> <ul style="list-style-type: none"> Routine replacement of three (3) aging pumps at the Recycle Pumping Station. <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"> Pumps will be approximately 20 years old by 2032 and approaching end of useful service life. 					
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The likelihood of failure of the pumps increases due to age and wear of the existing pump. 					
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>			1	2	3
1	2	3			
DURATION (MONTHS)	12				
REQUIRED COMPLETION	2036				
TOTAL ESTIMATED COST	\$330,000				
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE				
2035-2036	\$330,000				



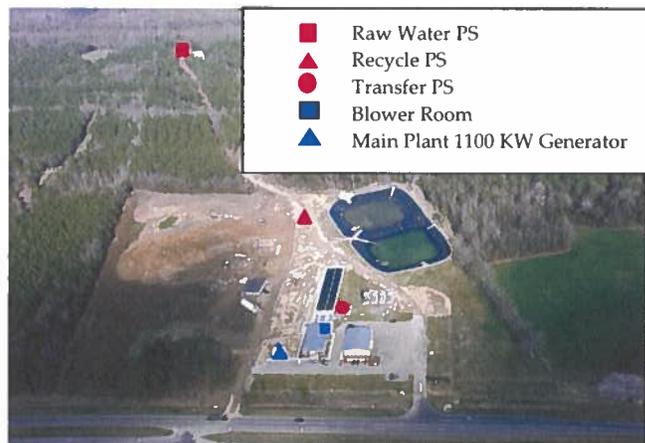
BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Replace Three (3) Pumps at the Transfer Pump Station	BB 4			
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY: Maintenance			
<p>Summary:</p> <ul style="list-style-type: none"> Routine replacement of three (3) aging pumps at the Transfer Pumping Station. <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"> Pumps will be approximately 20 years old by 2032 and approaching end of useful service life. 					
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The likelihood of failure of the pumps increases due to age and wear of the existing pump. 					
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>			1	2	3
1	2	3			
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 5
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance
<p>Summary:</p> <ul style="list-style-type: none"> Routine replacement of two (2) aging on-site generators. <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"> Facility currently has two (2) generators on-site. Generators will be approximately 25 years old by 2037 and approaching end of service life. 			
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> The current generators are undersized to accommodate long term demands. The existing generators are anticipated to become cost prohibitive to maintain. 			
<p>Criticality:</p> <p style="text-align: center;">▼</p> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 33%; background-color: #4CAF50; color: white; text-align: center; padding: 5px;">1</div> <div style="width: 33%; background-color: #FFEB3B; color: black; text-align: center; padding: 5px;">2</div> <div style="width: 33%; background-color: #C0392B; color: white; text-align: center; padding: 5px;">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	PLC Upgrades		BB 6			
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance			
<p>Summary:</p> <ul style="list-style-type: none"> Routine replacement of aging Programmable Logic Controllers (PLC's). <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"> The facility's existing PLC's are past their useful life and are in need of replacement. 						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Not replacing the existing PLC's could result in a failure which would hinder plant operations by losing critical functionality, loss of alarms, etc. 						
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)		24				
REQUIRED COMPLETION		2036, 2046				
TOTAL ESTIMATED COST		\$600,000				
FISCAL YEAR		ANTICIPATED FISCAL YEAR EXPENDITURE				
2035-2036		\$300,000				
2045-2046		\$300,000				



BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	SCADA Upgrades		BB 7			
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance			
<p>Summary:</p> <ul style="list-style-type: none"> Routine upgrades to the existing SCADA system. <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"> Routine upgrades to the existing SCADA system on a periodic basis. 						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Not upgrading the existing SCADA system could result in a failure or security vulnerability which would hinder plant operations by losing critical functionality, loss of alarms, etc. 						
<p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4F81BD; color: white;">1</td> <td style="width: 33%; background-color: #FFD700; color: black;">2</td> <td style="width: 33%; background-color: #8B0000; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)	24					
REQUIRED COMPLETION	2036, 2046					
TOTAL ESTIMATED COST	\$500,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2035-2036	\$250,000					
2045-2046	\$250,000					



BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Intake Screen Walkway		BB 8			
CATEGORY OF NEED:	Renewal/Rehabilitation	EXPENDITURE CATEGORY:	Maintenance			
<p>Summary:</p> <ul style="list-style-type: none"> Replacement of the existing wooden walkway between the intake pump station and the intake screen with a new concrete walkway. <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"> Walkway going from pumping station to intake screen is currently in serviceable condition and will need to be replaced by ___ due to rotting wood and overall weathering of walkway. 						
<p>Consequence of No Action:</p> <ul style="list-style-type: none"> Deterioration of the walkway could limit access to the raw water intake screen. 						
<p>Criticality:</p> <div style="text-align: center;">▼</div> <table style="width: 100%; text-align: center; border: none;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #F44336; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)		12				
REQUIRED COMPLETION						
TOTAL ESTIMATED COST						
FISCAL YEAR		ANTICIPATED FISCAL YEAR EXPENDITURE				

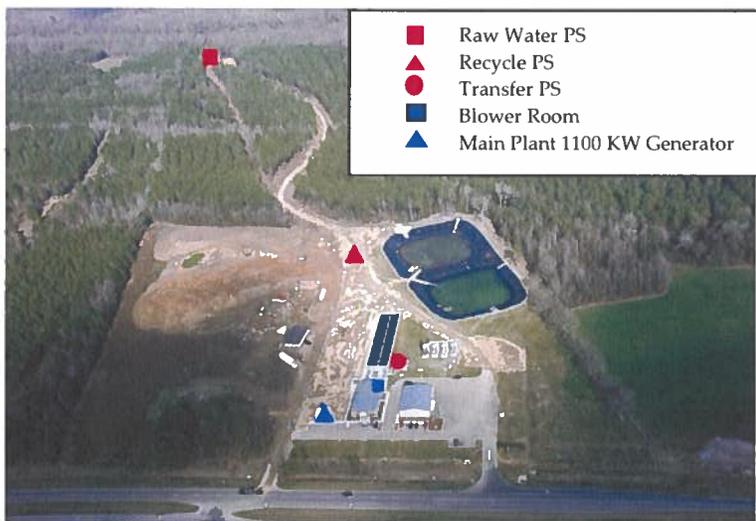


BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

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

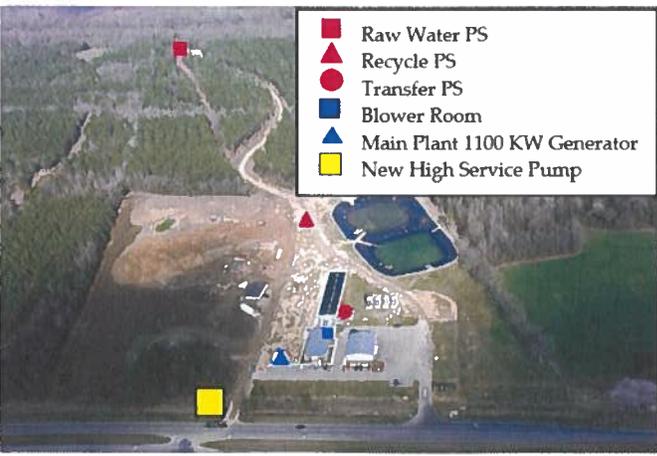
BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

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



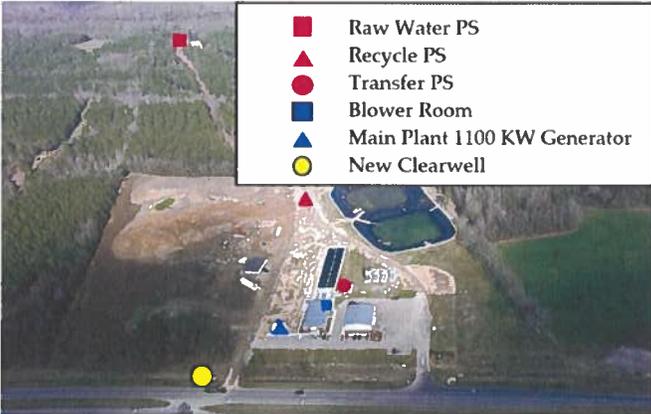
BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	New High Service Pump Station		BBE 2			
CATEGORY OF NEED:	Capacity	EXPENDITURE CATEGORY:	Expansion			
<p>Summary:</p> <ul style="list-style-type: none"> Construct a new high service pumping station to increase capacity. <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"> Required to serve new customers. 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. <p>Consequence of No Action:</p> <ul style="list-style-type: none"> The system will not have the required capacity to meet new customer demands. <p>Criticality:</p> <p style="text-align: center;">▼</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #C0392B; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)	24					
REQUIRED COMPLETION	2038					
TOTAL ESTIMATED COST	\$5,740,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2036-2037	\$790,000					
2037-2038	\$4,950,000					



BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

PROJECT TITLE	Construct New 1 MG Capacity Clearwell		BBE 3			
CATEGORY OF NEED:	Capacity	EXPENDITURE CATEGORY:	Expansion			
<p>Summary:</p> <ul style="list-style-type: none"> Construct clearwell to meet future customer finished water storage capacity. <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"> Required to serve new customers. Clearwell would only be required when additional customers are identified to be served by the Bladen Bluffs Regional Surface Water Treatment Facility. <p>Consequence of No Action:</p> <ul style="list-style-type: none"> The system will not have the required capacity to meet new customer demands. <p>Criticality:</p> <p style="text-align: center;">▼</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; background-color: #4CAF50; color: white;">1</td> <td style="width: 33%; background-color: #FFEB3B; color: black;">2</td> <td style="width: 33%; background-color: #D32F2F; color: white;">3</td> </tr> </table>				1	2	3
1	2	3				
DURATION (MONTHS)	24					
REQUIRED COMPLETION	2038					
TOTAL ESTIMATED COST	\$4,090,000					
FISCAL YEAR	ANTICIPATED FISCAL YEAR EXPENDITURE					
2036-2037	\$790,000					
2037-2038	\$3,300,000					



BLADEN BLUFFS REGIONAL SURFACE WATER FACILITY

Annual Fiscal Year Budget Breakdown (In Millions of Dollars)

Project No.	Description	FY 26-	FY 27-	FY 28-	FY 29-	FY 30-	FY 31-	FY 32-	FY 33-	FY 34-	FY 35-	FY 36-	FY 37-	FY 38-	FY 39-	FY 40-	FY 41-	FY 42-	FY 43-	FY 44-	FY 45-	FY 46-	FY 47-	FY 48-	FY 49-	FY 50-	FY 51-	Total	
		FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35	FY 36	FY 37	FY 38	FY 39	FY 40	FY 41	FY 42	FY 43	FY 44	FY 45	FY 46	FY 47	FY 48	FY 49	FY 50	FY 51			
Bladen Bluffs Regional Surface Water Facility Capital Projects																													
BB 1	Replace (2) Pumps at Raw Water Pump Station							\$ 0.48																				\$ 0.48	
BB 2	Replace Blower in Blower Building							\$ 0.19																				\$ 0.19	
BB 3	Replace (3) Pumps at the Recycle Pump Station										\$ 0.33																	\$ 0.33	
BB 4	Replace (3) Pumps at the Transfer Pump Station										\$ 0.55																	\$ 0.55	
BB 5	Replace (2) Generators at the Site										\$ 0.46	\$ 1.22																\$ 1.68	
BB 6	PLC Upgrades									\$ 0.30											\$ 0.30							\$ 0.60	
BB 7	SCADA Upgrades									\$ 0.25											\$ 0.25							\$ 0.50	
BB 8	Intake Screen Walkway																											\$ -	
		Sub-Total Bladen Bluffs Regional Surface Water Facility Capital Projects																									\$ 4.33		
Bladen Bluffs Regional Surface Water Facility Expansion Projects																													
BBE1	Bladen Bluffs Expansion Study										\$ 0.50																	\$ 0.50	
BBE2	New High Service Pump Station										\$ 0.79	\$ 4.95																\$ 5.74	
BBE3	Construct New 1 MG Capacity Clearwell										\$ 0.79	\$ 3.30																\$ 4.09	
		Sub-Total Bladen Bluffs Regional Surface Water Facility Expansion Projects																									\$ 10.33		
Total Fiscal Year Expenditure		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.67	\$ -	\$ -	\$ 1.93	\$ 2.04	\$ 9.47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14.66	

APPENDIX A – TOTAL ANNUAL FISCAL YEAR BUDGET

Total Annual Fiscal Year Budget Breakdown												
Item	FY 2026 - FY 2027	FY 2027 - FY 2028	FY 2028 - FY 2029	FY 2029 - FY 2030	FY 2030 - FY 2031	FY 2031 - FY 2032	FY 2032 - FY 2033	FY 2033 - FY 2034	FY 2034 - FY 2035	FY 2035 - FY 2036	Totals	
OPERATION PROJECTS BUDGET												
ROW Maintenance	\$ 75,000	\$ 75,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,350,000	\$ 1,350,000
SCADA Improvements	\$ 200,000								\$ 175,000		\$ 375,000	\$ 375,000
Anti-Vortexing Improvements	\$ 50,000	\$ 50,000									\$ 100,000	\$ 100,000
Meter and Valve Upgrades/Replacements				\$ 150,000							\$ 150,000	\$ 150,000
VFD Replacements	\$ 290,000										\$ 290,000	\$ 290,000
Renewal and Replacement Transfer	\$ 750,000		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 4,750,000	\$ 4,750,000
Vehicle for Main Office	\$ 60,000										\$ 60,000	\$ 60,000
Miscellaneous	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 500,000	\$ 500,000
Total Operations Annual Fiscal Year Expenditure	\$ 1,475,000	\$ 175,000	\$ 700,000	\$ 850,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 875,000	\$ 700,000	\$ 7,575,000	\$ 7,575,000
CAPITAL PROJECTS BUDGET												
KB1 - New 4th Pump at King's Bluff (KBPS)	\$ 5,800,000										\$ 5,800,000	\$ 5,800,000
KB2 - Rebuild/Refurbish 1600 HP RWP#3 & 4	\$ 500,000										\$ 500,000	\$ 500,000
KB3 - New Generators					\$ 2,200,000	\$ 19,300,000					\$ 21,500,000	\$ 21,500,000
KB5 - Pig 54" Water Main Replacement	\$ 4,200,000										\$ 4,200,000	\$ 4,200,000
KB7 - Replace Raw Water Pumps 1, 4, 5	\$ 1,450,000					\$ 4,600,000					\$ 4,600,000	\$ 4,600,000
KB8 - New Surge Tank at KBPS	\$ 140,000	\$ 140,000									\$ 1,450,000	\$ 1,450,000
KB9 - 5 ROW Acquisitions	\$ 140,000	\$ 140,000									\$ 280,000	\$ 280,000
KB10 - 48-Inch PCCP Inspection and Pig - Ground Tank to US421	\$ 2,600,000	\$ 210,000									\$ 2,810,000	\$ 2,810,000
KB11 - 48-Inch PCCP Repairs	\$ 1,000,000	\$ 1,000,000									\$ 1,000,000	\$ 1,000,000
KB12 - 48-Inch Leak Detection Project			\$ 300,000				\$ 300,000				\$ 600,000	\$ 600,000
KB13 - Solar Power Study and Installation	\$ 8,000,000	\$ 9,000,000		\$ 500,000	\$ 2,500,000						\$ 3,000,000	\$ 3,000,000
CS2 - 3-Mile 48" Parallel Raw Water Main	\$ 100,000	\$ 100,000	\$ 880,000					\$ 8,700,000	\$ 71,420,000		\$ 81,100,000	\$ 81,100,000
CS3 - 100 MGD Reservoir								\$ 13,600,000	\$ 71,420,000	\$ 1,800,000	\$ 145,640,000	\$ 145,640,000
Total Capital Annual Fiscal Year Expenditure	\$20,090,000	\$ 9,240,000	\$ 4,780,000	\$ 210,000	\$ -	\$ 2,700,000	\$ 21,800,000	\$ 13,600,000	\$ 71,420,000	\$ 1,800,000	\$ 145,640,000	\$ 145,640,000
Total Annual Fiscal Year Expenditure	\$21,065,000	\$ 9,415,000	\$ 5,480,000	\$ 1,060,000	\$ 700,000	\$ 3,400,000	\$ 22,500,000	\$ 14,300,000	\$ 72,295,000	\$ 2,500,000	\$ 152,715,000	\$ 152,715,000