

**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**9:00 a.m. – Regular Monthly Board Meeting**  
**April 13, 2026**

**MEETING CALL TO ORDER:** Chairman Phillips

**INVOCATION**

**PLEDGE OF ALLEGIANCE**

**APPROVAL OF CONSENT AGENDA**

- C1** – Minutes of March 9, 2026, Regular Board Meeting
- C2** – Minutes of March 9, 2026, Personnel Committee Meeting
- C3** – Minutes of March 9, 2026, Finance Committee Meeting
- C4** – Minutes of March 9, 2026, Long Range Planning Committee Meeting
- C5** – Kings Bluff Monthly Operations and Maintenance Report
- C6** – Bladen Bluffs Monthly Operations and Maintenance Reports
- C7** – Resolution Adopting the Lower Cape Fear Water & Sewer Authority’s Local Water Supply Plan for Kings Bluff Raw Water Pump Station, PWSID 50-09-013, for calendar year 2025.
- C8** – Resolution Adopting the Lower Cape Fear Water & Sewer Authority’s Local Water Supply Plan for Bladen Bluff’s Regional Surface Water System, PWSID 50-09-013, for calendar year 2025.
- C9** – Resolution Recognizing National Drinking Water Week

**NEW BUSINESS**

- NB1** – Resolution Authorizing Application for State Loan and/or Grant Funding – Kings Bluff Control Panel and Surge Tank Improvements
- NB2** – Resolution Approving Memorandum of Understanding Regarding Interlocal Agreement for 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 March 31, 2026
- EDR2** – Operating Budget Status, Ending February 28, 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)(6) for Personnel Matters.

**ADJOURNMENT**

*The next board meeting of the Lower Cape Fear Water & Sewer Authority is scheduled for Monday, May 11<sup>th</sup> at 9:00 a.m. in the Authority’s office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.*

## **AGENDA ITEM**

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: April 13, 2026

Re: Consent Agenda

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

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

- C1** – Minutes of March 9, 2026, Regular Board Meeting
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**Action Requested:** Motion to approve/disapprove Consent Agenda.

Lower Cape Fear Water & Sewer Authority  
Regular Board Meeting Minutes  
March 9<sup>th</sup>, 2026

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

**Roll Call by Chairman Phillips:**

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

**Present by Virtual Attendance:** None

**Absent:** None

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

**Guests Present:** Jorgen Holmberg, Computer Warriors; Sean Kenyon, McKim & Creed Senior Project Engineer; David Carson, Brunswick County Kings Bluff Water Resource Supervisor; Chris Giesting, Brunswick County Water Resources Manager; Jeff Gramm, Cape Fear Public Utility Authority Treatment/Engineering Services Administration; David Fournier, HDR Construction Services; Ken Waldroup, Cape Fear Public Utility Authority Executive Director; Kevin Morris, Cape Fear Public Utility Authority Deputy Director; Christopher "CJ" Cahoy, Garney Construction; Wilson Hudspeth, Duke Energy CEM Account Executive

**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; James Proctor, Pender County Interim Utilities Director; Erin Jones, Pender County Utilities Water Treatment Plant Superintendent; Will Shull, HDR Associate Vice President; Benjamin Kearns, Cape Fear Public Utility Authority Water Resources Manager Water Treatment; Mark Kametches, Duke Energy Program Manager

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

**AMENDING THE AGENDA**

Chairman Phillips requested the Board's consideration to revise the agenda to include the Personnel Committee's recommendation to remove Section C, Part 8, from the Remote Participation Policy and Procedure, thereby eliminating the requirement for a roll-call voice vote. The Board retains the ability to call for a voice vote at any time.

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

**APPROVAL OF CONSENT AGENDA**

**C1 – Minutes of February 9, 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 January 31, 2026**

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

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

A copy of the presentation will be included with the minutes.

**NEW BUSINESS**

**NB1 - Personnel Committee's recommendation to remove Section C, Part 8, from the Remote Participation Policy and Procedure, thereby eliminating the requirement for a roll-call voice vote**

Chairman Phillips advised the full board that the Personnel Committee's recommendation to remove Section C, Part 8, from the Remote Participation Policy and Procedure, thereby eliminating the requirement for a roll-call voice vote. The Board retains the ability to call for a voice vote at any time.

**Motion:** Director Leonard **MOVED**; seconded by Director DeVane, approval to remove Section C, Part 8, from the Remote Participation Policy and Procedure, eliminating the requirement for a roll-call voice vote. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NB2- Resolution Approving Agreement for Governmental Affairs Consulting and Legislative Lobbying Services**

**Motion:** Director DeVane **MOVED**; seconded by Director Buchanan, approval of the Resolution Approving Agreement for Governmental Affairs Consulting and Legislative Lobbying Services. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NB3- Resolution to Approve Lump Sum Proposal No. 2 for Project #2, Phase 3, of the Phased 10-Mile Parallel Raw Water Line Project**

A copy of the presentation will be included with the minutes.

**Motion:** Director DeVane **MOVED**; seconded by Director Williams, approval of the Resolution to Approve Lump Sum Proposal No. 2 for Project #2, Phase 3, of the Phased 10-Mile Parallel Raw Water Line Project. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NB4- Resolution Authorizing Amendment to Owner-Advisor's Scope of Services for Project #2, Phased 10-Mile Parallel Raw Water Line Project**

**Motion:** Director Zapple **MOVED**; seconded by Director Buchanan, approval of the Resolution Authorizing Amendment to Owner-Advisor's Scope of Services for Project #2, Phased 10-Mile Parallel Raw Water Line Project. 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 February 2026**

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

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

Director Zapple would like a VFD report at the April 2026 Board Meeting.

**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.

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**Motion:** Director Leonard **MOVED**; seconded by Director Knight, 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 10:32 a.m., the board went into closed session. At 10:52 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 10:53 a.m.

Respectfully Submitted:

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

# Duke Energy Customer Business Planning 2026 LOWER CAPE FEAR WATER & SEWER



Leading the way to cleaner, smarter energy solutions that customers value



BUILDING A SMARTER ENERGY FUTURE<sup>SM</sup>

# Our Service Territory



Duke Energy Carolinas



Duke Energy Progress



Duke Energy Florida



Duke Energy Indiana



Duke Energy Ohio /  
Kentucky

## Our Service Territory

### The Source of Energy For Millions

Duke Energy offers energy services to approximately 7.4 million customers in the Carolinas, Florida, Ohio, Kentucky and Indiana, and retail natural gas services to more than 1.5 million customers in the Carolinas, Ohio, Kentucky and Tennessee.

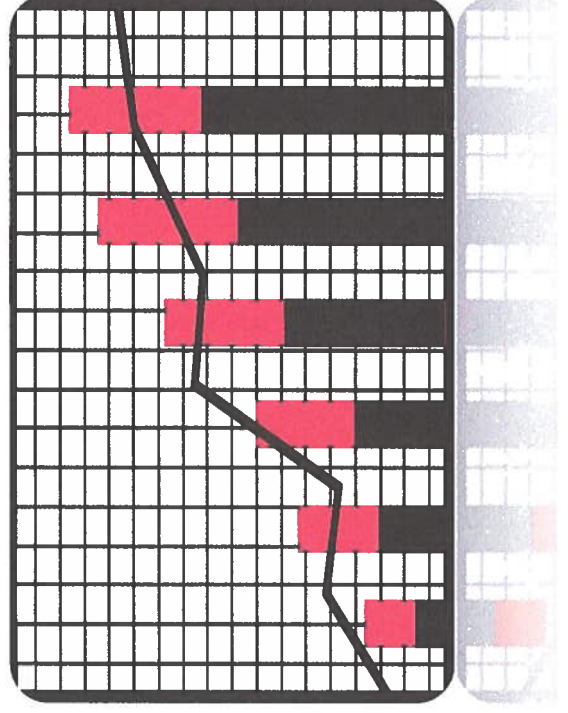
Our fleet of power plants has approximately 50,200 megawatts of generating capacity from a variety of fuel sources – from hydroelectric to coal, oil and natural gas to nuclear.



# About Your Business



- What does the future hold for LOWER CAPE FEAR WATER & SEWER?
- What are your company's biggest goals and challenges?
- What issues are you having in your business that keep you from being most successful or in meeting your goals?
- Any additional business updates or concerns that you would like for me to know about?
- How can I help you?



# Time-of-Use Billing Hour Determination

## DETERMINATION OF ON-PEAK, DISCOUNT, AND OFF-PEAK HOURS

	<u>Applicable Days</u>	<u>Summer Hours</u> May – September	<u>Non-Summer Hours</u> October – April
<b>On-Peak Period:</b>	Monday – Friday excluding Holidays*	6:00 pm – 9:00 pm	6:00 am – 9:00 am
<b>Discount Period:</b>	All days including Holidays*	1:00 am – 6:00 am	1:00 am – 3:00 am 11:00 am – 4:00 pm
<b>Off-Peak Period:</b>	All days including Holidays*	All hours that are not On-Peak or Discount Hours	

\*Holidays include New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the holiday will be considered a holiday; when the holiday falls on a Sunday, the following Monday will be considered a holiday.

All hours are shown in Eastern Prevailing Time (EPT).

# SGS versus SGS-TOUE

MONTHLY RATE

I. For Single-Phase Service:

- A. Service used during the calendar months of May through September:
  - B. Service used during the calendar months of October through April:
- 1. Basic Customer Charge: \$22.00
  - 1. Basic Customer Charge: \$22.00

NC Second Revised Leaf No. 521  
 Effective for service rendered on and after October 1, 2025  
 NCUC Docket No. E-2, Sub 1300, Order dated August 18, 2023  
 Page 1 of 3

MONTHLY RATE

I. For Single-Phase Service:

- A. \$22.00 Basic Customer Charge
- B. Kilowatt-Hour Energy Charge:

13.188¢ per kWh for the first 750 kWh  
 11.166¢ per kWh for the next 1,250 kWh  
 10.616¢ per kWh for all additional kWh

II. For Three-Phase Service:

The bill computed for single-phase service plus \$9.00.

Duke Energy Progress, LLC  
 (North Carolina Only)

- 2. kWh Energy Charge:
- 19.463¢ per On-Peak kWh
- 9.721¢ per Off-Peak kWh
- 7.624¢ per Discount kWh

NC Second Revised Leaf No. 521  
 Superseding NC First Revised Leaf No. 521

- 2. kWh Energy Charge:
- 19.463¢ per On-Peak kWh
- 9.721¢ per Off-Peak kWh
- 7.624¢ per Discount kWh

Minimum Bill

The minimum monthly charge shall be the Basic Customer Charge.

\*All other riders, adjustments, and charges are the same

# Rate Review Details



## Rate Comparison Report Duke Energy

Account	Customer Name	Curr Acct Name	Service Address	City	ST	Meter	Mo	Days	Total kWh	Curr Total Cost	Alt Total Cost	Curr Sched	Alt Sched	Total Cost Diff	Total % Diff
10082627165	LOWER CAPE FEAR WATER & SEWER	CAPE INDUSTRIES	Hwy 421 N	WILMINGTON	NC	324694552	12	365	1,742	\$772.39	\$493.69	NPEC_MGSTO	NPEC_SGSTO	(\$278.70)	-36%
10082627066	LOWER CAPE FEAR WATER & SEWER	BACK METER IN SUB	246 PRIVATE RD	WILMINGTON	NC	325550921	12	365	2,442	\$718.86	\$611.63	NPEC_SGS	NPEC_SGSTO	(\$107.23)	-15%
10082627361	LOWER CAPE FEAR WATER & SEWER	LOWER CAPE FEAR WATER & SEWER	3954 CLEARWELL DR NE	LELAND	NC	329531221	12	365	2,541	\$923.32	\$599.17	NPEC_MGSTO	NPEC_SGSTO	(\$324.15)	-35%
10082627501	LOWER CAPE FEAR WATER & SEWER	PRAX AIR	Hwy 421 N	WILMINGTON	NC	324694551	12	365	154	\$525.01	\$284.36	NPEC_MGSTO	NPEC_SGSTO	(\$240.65)	-46%

**Recommend rate change to SGS-TOUE for the four accounts/meters listed above**

**Estimated Annual Savings of ~ \$1K**

**\*Send AE email request to change rates at your convenience**

# Rate Review Details

## Current Rate (MGS-TOU)

## Alternative Rate (LGS)

### Estimated Electric Rate Calculation

### Estimated Electric Rate Calculation



Prepared for Lower Cape Fear Water & Sewer  
Account No. 910082627006  
Prepared by Wilson Hudspeth  
Prepared on March 4, 2026

Prepared for Lower Cape Fear Water & Sewer  
Account No. 910082627006  
Prepared by Wilson Hudspeth  
Prepared on March 4, 2026

State: North Carolina  
Customer Class: Industrial  
Rate Class: Large General Service  
Rate Schedule: Medium General Service, Time of Use  
Effective Pricing: January 1, 2026

State: North Carolina  
Customer Class: Industrial  
Rate Class: Large General Service  
Rate Schedule: Large General Service  
Effective Pricing: January 1, 2026

Max kW: 2,245  
Annual Load Factor: 37%  
Annual kWh: 7,299,444  
DSM/EE Rider: EE Opt-Out Only  
CEPS Rider: Applicable

Max kW: 2,245  
Annual Load Factor: 37%  
Annual kWh: 7,299,444  
DSM/EE Rider: EE Opt-Out Only  
CEPS Rider: Applicable

Billing Month	On-Peak kW	Mid-Peak kW	Base kW	On-Peak kWh	Off-Peak kWh	Discount kWh	Demand Charges	Energy Charges	Total Charges
January	1,084	1,084	2,245	46,567	325,261	153,106	\$18,531	\$26,498	\$45,138
February	1,314	1,314	2,245	43,510	301,672	142,134	\$21,632	\$24,616	\$46,356
March	1,866	1,866	2,245	46,196	322,670	151,886	\$29,068	\$26,287	\$55,463
April	1,866	1,866	2,245	57,523	400,865	188,748	\$29,068	\$32,674	\$61,850
May	1,831	1,831	2,245	68,786	545,078	161,543	\$28,596	\$40,281	\$68,985
June	1,771	1,771	2,245	61,023	482,467	143,024	\$27,781	\$35,670	\$63,560
July	2,245	2,245	2,245	72,801	576,894	170,973	\$34,176	\$42,633	\$76,916
August	1,726	1,726	2,245	54,625	432,858	128,285	\$27,173	\$31,988	\$59,270
September	1,751	1,751	2,245	53,722	424,736	125,910	\$31,402	\$39,020	\$69,229
October	1,776	1,776	2,245	56,717	396,162	186,480	\$27,846	\$32,274	\$60,229
November	1,699	1,699	2,245	43,148	300,688	141,580	\$26,818	\$24,508	\$51,435
December	1,248	1,248	2,245	43,628	304,735	143,444	\$20,734	\$24,826	\$45,668
Totals				648,246	4,814,087	1,837,111	\$318,931	\$373,659	\$693,890

Annual Cost	\$693,890
Sales Tax	0%
Annual Cost w/ Sales Tax	\$693,890
Average Rate* (¢/kWh)	9.51

Annual Cost	\$789,255
Sales Tax	0%
Annual Cost w/ Sales Tax	\$789,255
Average Rate* (¢/kWh)	10.81

Comments: All results are estimates based on data provided by the customer, load profile assumptions and current rates. Rates are regulated by the North Carolina Utilities Commission and are subject to change.

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\*Includes sales tax if applicable

# Estimated Annual Savings of ~ \$100K

# Account Eligible for EE Opt-Out

- Meter #325550921 (storage/maintenance building) is contiguous with Kings Bluff Raw Water Intake main meter #11010921 that exceeds 1M kWh's annually and currently opted-out of EE
- Therefore, meter #325550921 is eligible to opt-out of rider EE as well
  - **Please sign and return opt-out form to AE Wilson Hudspeth for processing**
  - **Savings of 0.196 cents/kWh**

# DSM/EE Opt-In/Opt-Out Considerations



Participating in the DSM/EE Programs require that a customer “opt-in” for a period of 3 years from entry into the program or receipt of the initial incentive.

- All Industrial accounts, Large Commercial accounts (> one million kWh’s per year) are eligible to opt-out of the rider and not participate in the programs.
- Also, once one Large Commercial service meets the opt-out eligibility requirement, all other commercial services billed in the same customer name located **on the same or contiguous property are also eligible to opt-out.** This DOES NOT apply to other accounts located on the same property or contiguous property with Industrial Accounts.
- If you would like to opt-out any of your eligible accounts, **you must fill out and submit a request form, that lists the account that you want to be “opted out”.**
- By “opting in,” the applicable DSM/EE Recovery Rider Charge will apply. The charges are subject to change. Past historical values and future projections are given below. Please note that the future projections are only estimates.
- In January 2016, the DSM/EE rate was split into two separate rates to provide additional flexibility.



# NC Medium Class Rate Change Summary

## Base Rates

In October 2022, Duke Energy Progress filed with the NCUC for a Base Rate increase in North Carolina to strengthen the grid, reduce carbon emissions, and improve the customer experience. We proposed a 3-year phased in approach, and the following phased in increases have been approved.

- Due to a delay in the ruling from the NCUC, DEP implemented interim rates on 6/1/2023, which impacted the typical medium class customer with an increase of approximately 1.5%.
- Final Year 1 rates result in an increase of approximately 4.3% for medium customers. Note that this includes the 1.5% increase implemented under interim rates on 6/1/2023.
- Year 2 rates went into effect on 10/1/2024 and resulted in an additional increase of approximately 2.5% for medium customers.
- Year 3 rates will be effective 10/1/2025 and will result in an additional increase of approximately 2.8% for medium customers.

## 2025 NC Rate Case Filing

### Proposed Rate Changes by Customer Class

Customer class DEC	% increase Jan. 1, 2027	% increase Jan. 1, 2028	Customer class DEP	% increase Jan. 1, 2027	% increase Jan. 1, 2028
Overall	10.9%	4.1%	Overall	10.9%	4.1%
Residential	13.5%	4.5%	Residential	13.9%	4.2%
General service	7.3%	4.0%	SGS	9.8%	4.8%
Industrial	9.0%	3.7%	MGS	6.4%	4.3%
OPT (Business TOU)	8.3%	3.6%	LGS	5.4%	3.6%

# AE & Outage Reporting Information

## Duke Energy Contact Info & Outage Reporting

**Primary Contact**

Wilson G. Hudspeth  
Account Executive  
Duke Energy Progress

1451 Military Cutoff Rd  
Wilmington, NC

Cell: (910) 465-3431  
Email: [Wilson.Hudspeth@duke-energy.com](mailto:Wilson.Hudspeth@duke-energy.com)

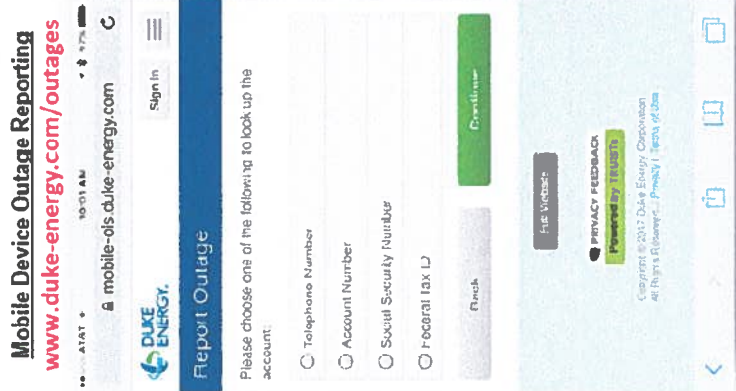


**ALTERNATE CONTACT**

John Oakes, Customer Account Specialist  
Duke Energy Progress  
Phone: 1-800-738-8565  
E-Mail: [John.Oakes@duke-energy.com](mailto:John.Oakes@duke-energy.com)

**CUSTOMER ACCOUNT SPECIALIST TEAM**

CAS Team support for when John is out of place:  
Phone: 980-232-9873  
E-Mail: [CASProgressCarolinas@duke-energy.com](mailto:CASProgressCarolinas@duke-energy.com)



MAC Outage Line

**(844) 343-0831**

Identify your location  
using the account  
number at left

**Reference list of accounts for reporting**

# List of LCFW&S's accounts

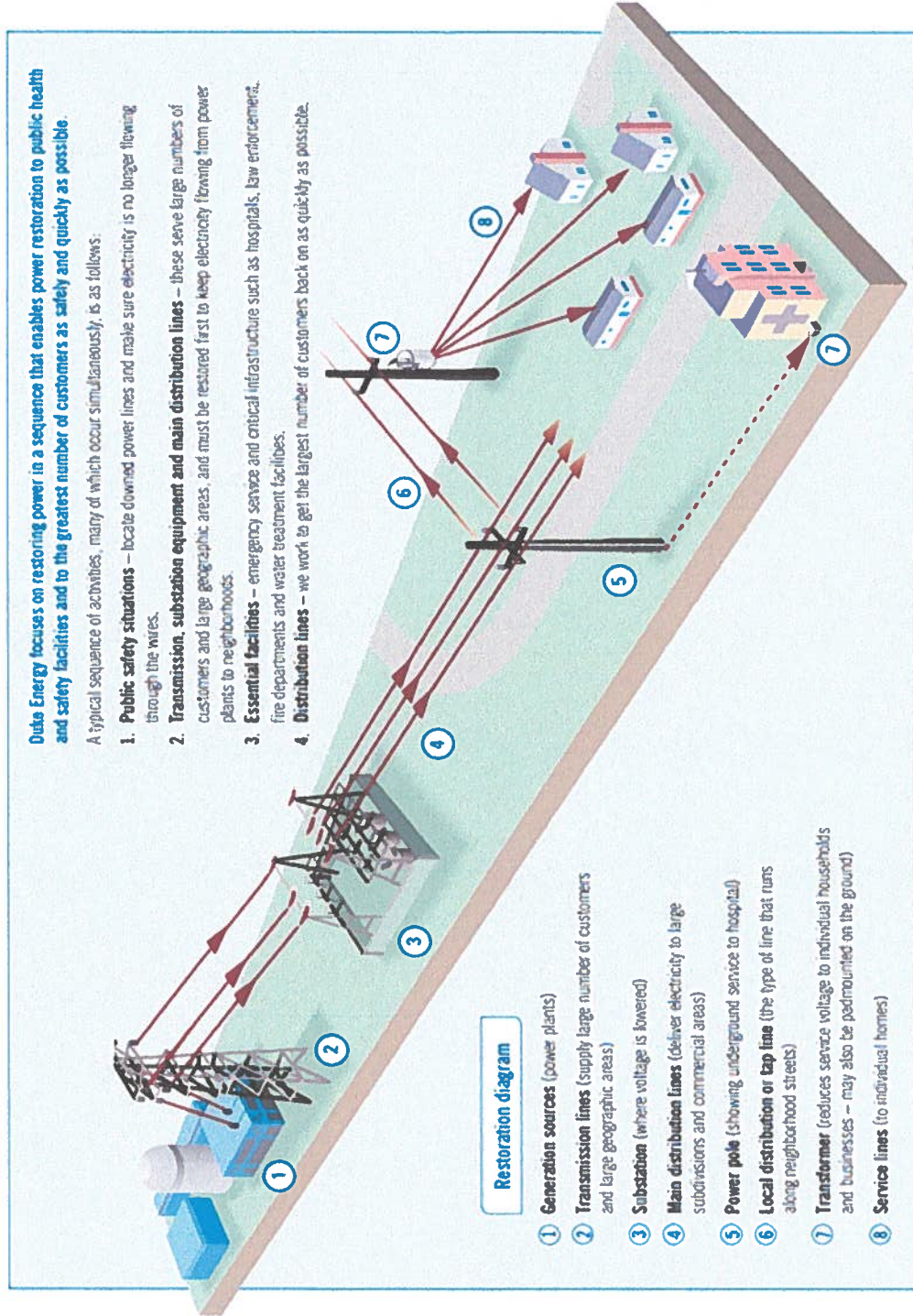
Business Partner	New Account Number	Account Number	Service Street	Service City
LOWER CAPE FEAR WATER & SEWE	910082627006	1875800250	246 PRIVATE RD	WILMINGTON
	910082627163	36733111	HWY 421 N	WILMINGTON
	910082627361	4690999554	3954 CLEARWELL DR NE	LELAND
	910082627501	8076766883	HWY 421 N	WILMINGTON

# Power Restoration Overview

After we repair Duke Energy power plants and the lines that carry electricity from them, we restore customers who provide essential services to the community – such as hospitals, police stations and fire departments.

Then, we repair damage that will return power to the greatest number of customers in the least amount of time.

Finally, we restore small groups and individual customers.





# Duke Energy Yearly Survey

**Customer satisfaction is important to us!**

At Duke Energy, we give valued business customers like you the opportunity to provide feedback through an annual online survey. Your feedback is an important driver of change in our company because no one knows our service better than customers like you!

We want to hear how we are doing overall, as well as in key areas including billing, power quality, reliability, price and value. We'd appreciate feedback in other areas including our products and services offerings and support provided by our Account Management team.

We are happy to extend the opportunity to take the survey to additional contacts within your company. If a colleague is interested in participating, please notify your account manager with their name and email address so they can be added to the distribution list going forward.

**The survey invitation will come to your inbox and appear as follows:**

**From:** Duke Energy <[duke-energy@inmomentfeedback.com](mailto:duke-energy@inmomentfeedback.com)>

*It may be necessary for you to add this email to your safelist to receive the invitation.*

**Subject:** The subject line of the survey will always include my name as well as Duke Energy.

**Signature:** The invitation to complete the survey will be signed by our Chief Customer Officer Barbara Higgins.

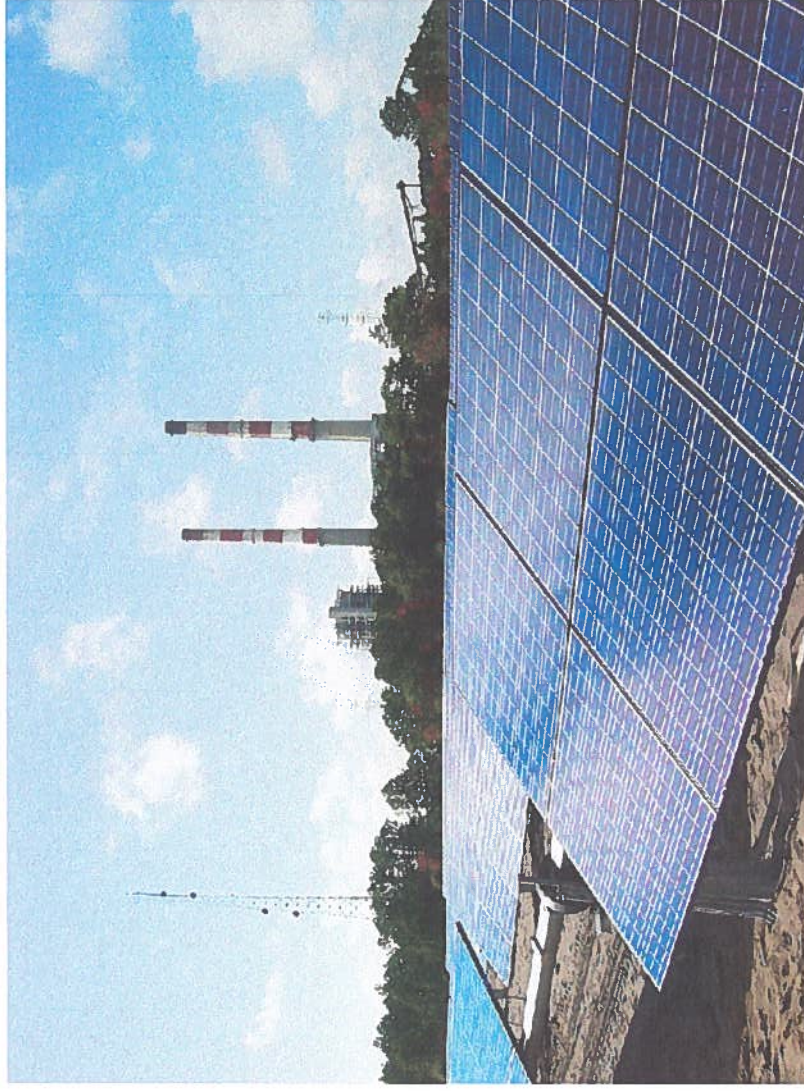
You will be given 14 days to complete the survey with one reminder emailed seven days after the initial email was sent. As always, we are committed to continuous improvement and your satisfaction is our top priority!



*Thank you!*

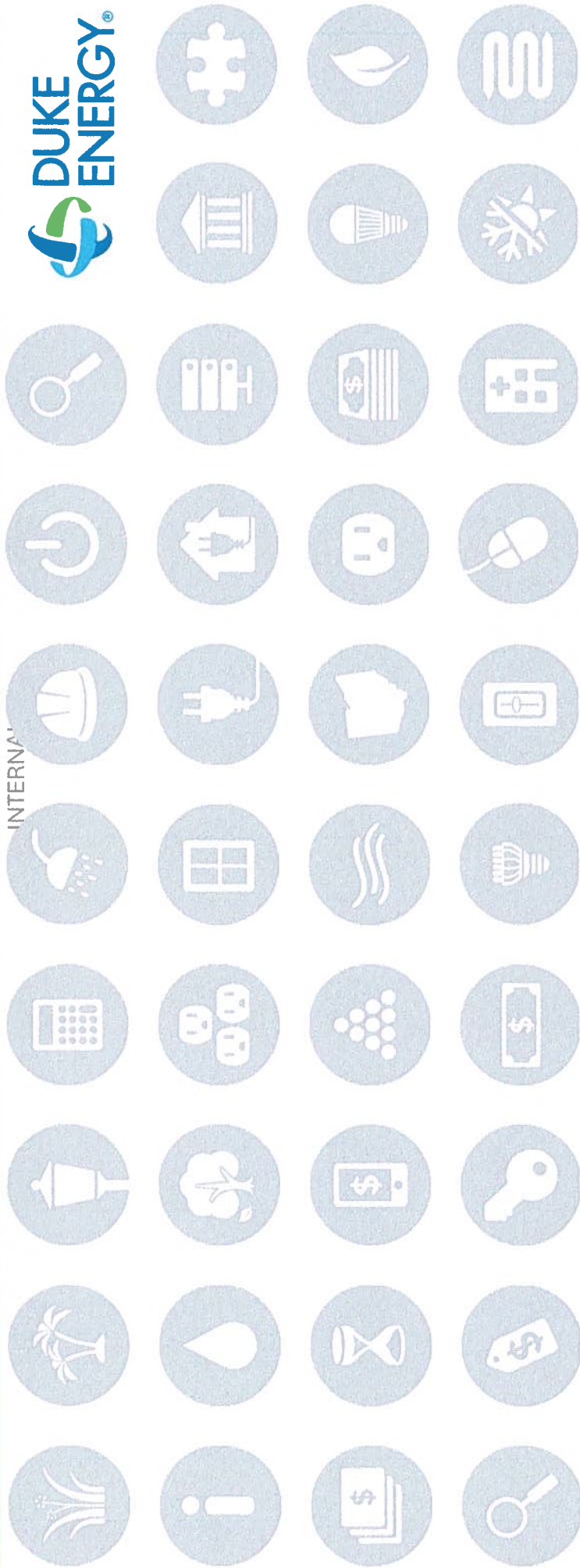
We greatly appreciate  
doing business with you  
and your company.

Thank you for spending  
time with me to  
continue to ensure we  
are meeting your needs  
and to help plan for the  
future.



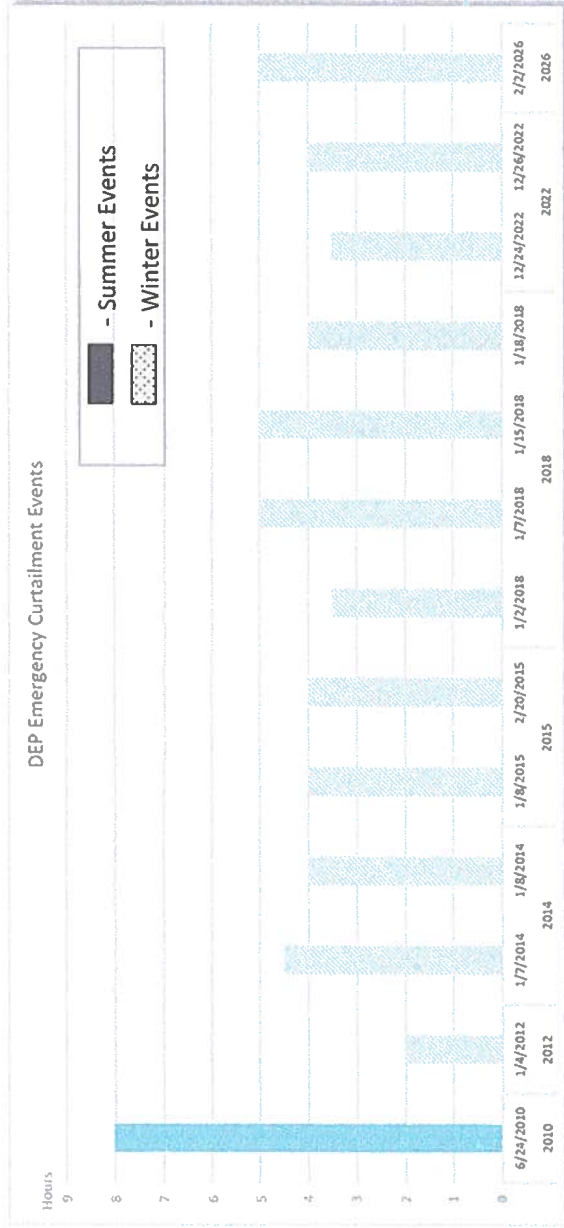
1.2 MW SunEdison Solar Farm  
Sutton Plant – Wilmington, NC

INTERNATIONAL



Duke Energy Progress  
Transition from DRA to PowerShare®

# Transition to a Winter Peaking Utility



- Duke Energy Progress began transitioning to winter peaking more than 10 years ago
  - Driven by increase in Polar Vortex events and electric heating loads
  - Net summer peaks heavily impacted by proliferation of solar resources
- Rider DRA became increasingly misaligned with grid reliability resource needs



# Justification for Transitioning PowerShare to DEP

- Rider DRA Situation
  - Focus on summer load reduction capability
    - Monthly Availability Credit based solely on summer contract
    - Winter contract is optional
    - Requires minimum of one summer event each year
  - Fixed reduction contract structure is not ideal
    - Difficult for the customer to manage when loads vary over time
    - Leads to a situation where event non-compliance (and associated penalties) is as dependent upon the calculated baseline demands as it is on successful implementation of load reduction procedures
    - Disconnect on summer-based penalty leaves winter and shoulder month events as being voluntary in nature
- Reason for transitioning to PowerShare
  - A redesign of Rider DRA was necessary, but would be complicated and costly from a billing system standpoint
  - A redesigned Rider DRA would have attributes similar to PowerShare
  - Changing to PowerShare makes it easier to implement future enhancements in both jurisdictions



INTERNAL

## PowerShare Regulatory Status

- Approved in DEP (NC) for a 1-1-26 launch and in DEP (SC) for a 4-1-26 launch
- Also sought approval for the following program modifications...
  - Introduction of Control Technologies (including the same relay switch currently used for DRA)
  - Removal of the \$40 monthly Facilities Fee (Generator option reduced to \$115/mo/gen)
  - Adjustment to Exposure Period hours
    - Summer: **May-September 3:00pm-9:00pm**
    - Winter: **October-April 6:00am-11:00am**
  - Increase in Penalty Energy Rate (from \$2.00/kWh to \$4.00/kWh)
  - Offering of Tiered Incentives for Different Notification Minimums (10-minute and 1-hour options)



# Comparison of DRA and PowerShare Attributes

Demand Response Automation (DRA)	Program Attributes	PowerShare Mandatory Option
50 kW	Minimum Curtailable Demand	100 kW*
Fixed Reduction (kW curtailed during each event)	Contract Type	Firm Demand (kW remaining on grid during each event)
Initial 5-year with automatic 2-year renewals	Contract Period	Initial 3-year with automatic 1-year renewals
30 minutes	Minimum Advanced Notice	30 minutes**
Control Switch (30-amp relay)	Control Technology***	Control Switch (30-amp relay), AutoDR options
1 event (summer)	Minimum Annual Events	n/a
80 hours	Maximum Annual Event Hours	100 hours
8 hours	Maximum Daily Event Hours	10 hours
30-minute	Meter Interval for Calculations	30-minute
\$4.25 per kW for Summer Contracted Curtailable Demand	Monthly Capacity Credit	\$5.00 per kW for calculated monthly Effective Curtailable Demand
\$6.00 per kW for calculated curtailed demand	Event Performance Credit	\$0.10 per kWh for calculated curtailed energy
\$57.00 per kW per year	Minimum Annual Incentive	\$60.00 per kW per year
\$17.00 per kW (Loss of 4 Monthly Availability Credits)	Event Non-Compliance Penalty	\$4.00 per kWh of Penalty Energy

\* DRA participants transitioning to PowerShare will be grandfathered at 50kW minimum  
 \*\* Additional options being introduced with varied incentive levels based on notification times  
 \*\*\* Controls are optional and devices are provided at no cost, but Customer responsible for installation/integration



INTERNAL

# Comparison of DRA and PowerShare Estimated Incentives

Comparison of EstimatedNet Credits - PowerShare versus Demand Response Automation  
Lower Cape Fear Water & Sewer Authority (Riegelwood)

Month	Summer Contracted Demand (kW)	Winter Contracted Demand (kW)	Monthly Availability Credit*	Event Performance Credit*	Total Monthly DRA Credit	Delta*** (PS minus DRA)	Average Exposure Period Demand (kW)**	Firm Demand (kW)****	Curtailable Demand (kW)	Capacity Credit	Curtailed Energy Credit	Total Monthly PS Credit
January	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	\$663.05	760	0	760	(\$3,799.45)	\$0.00	(\$3,799.45)
February	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	(\$16.55)	896	0	896	(\$4,479.05)	\$0.00	(\$4,479.05)
March	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	\$274.50	838	0	838	(\$4,188.00)	\$0.00	(\$4,188.00)
April	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	(\$1,778.10)	1,248	0	1,248	(\$6,240.60)	\$0.00	(\$6,240.60)
May	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	(\$168.70)	926	0	926	(\$4,631.20)	\$0.00	(\$4,631.20)
June	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	(\$489.90)	990	0	990	(\$4,952.40)	\$0.00	(\$4,952.40)
July	1050	900	(\$4,462.50)	(\$6,300.00)	(\$10,762.50)	\$6,624.55	828	0	828	(\$4,137.95)	\$0.00	(\$4,137.95)
August	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	\$689.35	759	0	759	(\$3,793.15)	\$0.00	(\$3,793.15)
September	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	\$435.65	805	0	805	(\$4,026.85)	\$0.00	(\$4,026.85)
October	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	\$128.95	867	0	867	(\$4,333.55)	\$0.00	(\$4,333.55)
November	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	\$989.10	695	0	695	(\$3,473.40)	\$0.00	(\$3,473.40)
December	1050	900	(\$4,462.50)	\$0.00	(\$4,462.50)	\$985.30	695	0	695	(\$3,477.20)	\$0.00	(\$3,477.20)
<b>Total</b>			<b>(\$53,550.00)</b>	<b>(\$6,300.00)</b>	<b>(\$59,850.00)</b>	<b>\$8,317.20</b>				<b>(\$51,532.80)</b>	<b>\$0.00</b>	<b>(\$51,532.80)</b>

\* DRA credits reflect minimum savings opportunity at current contract levels and assuming full compliance during events  
\*\* Based on Sep2024-Aug2025 usage data using newly filed Exposure Period hours (6:00-1:00 Winter, 15:00-21:00 Summer)

\*\*\* Negative value means that estimated total annual incentives for PowerShare are higher than for DRA

\*\*\*\* PS Firm Demand estimates are based on historical DRA event demands

## Other considerations with PowerShare:

- No minimum annual events
- No need to manage contracted demands as loads vary
- Event compliance based solely on measured load reduction, not on baseline demands
- Partial event non-compliance does not result in full penalty



# Q & A

**HDR**

## **Project Status Update**

Lower Kings Bluff  
54-In Raw Water  
Transmission Main Project

*March Board Meeting*

3/9/26



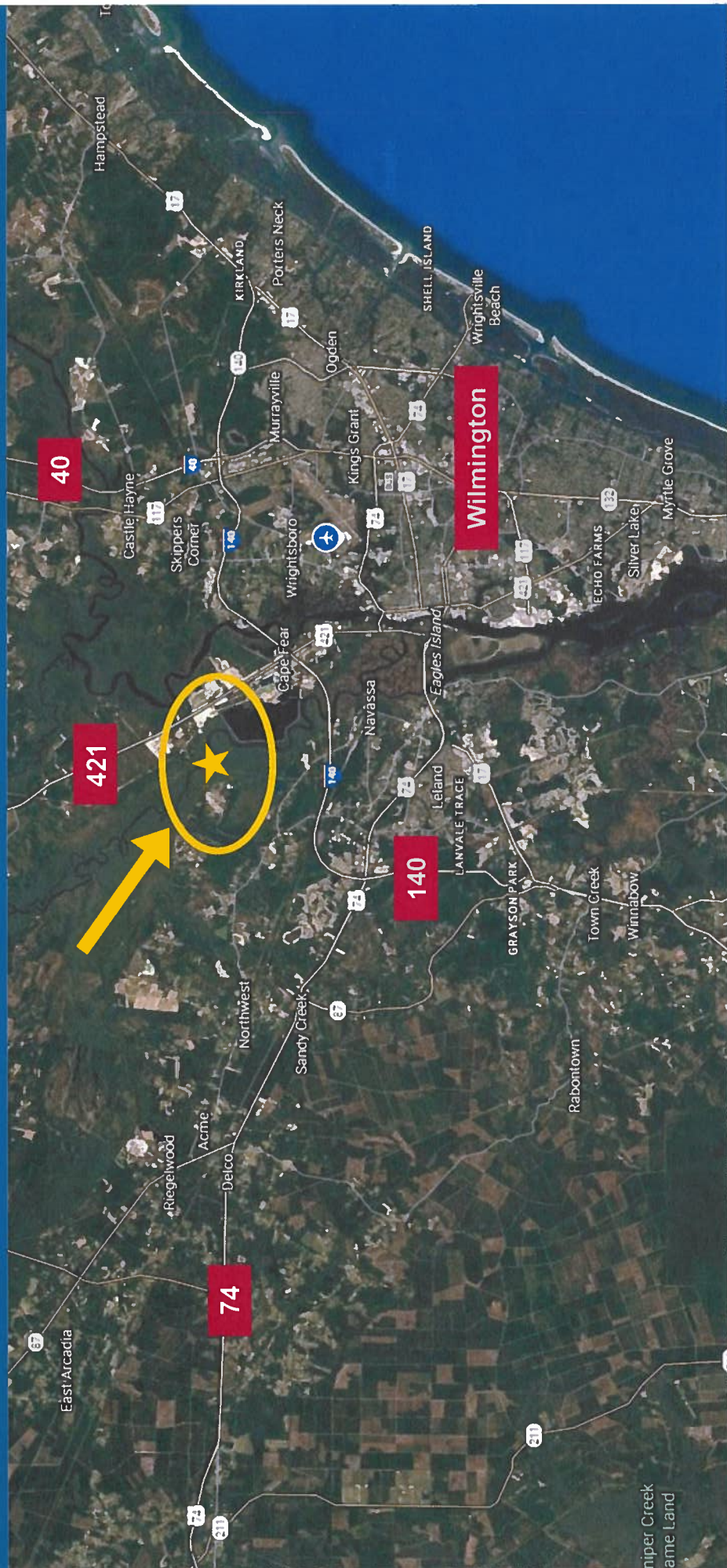
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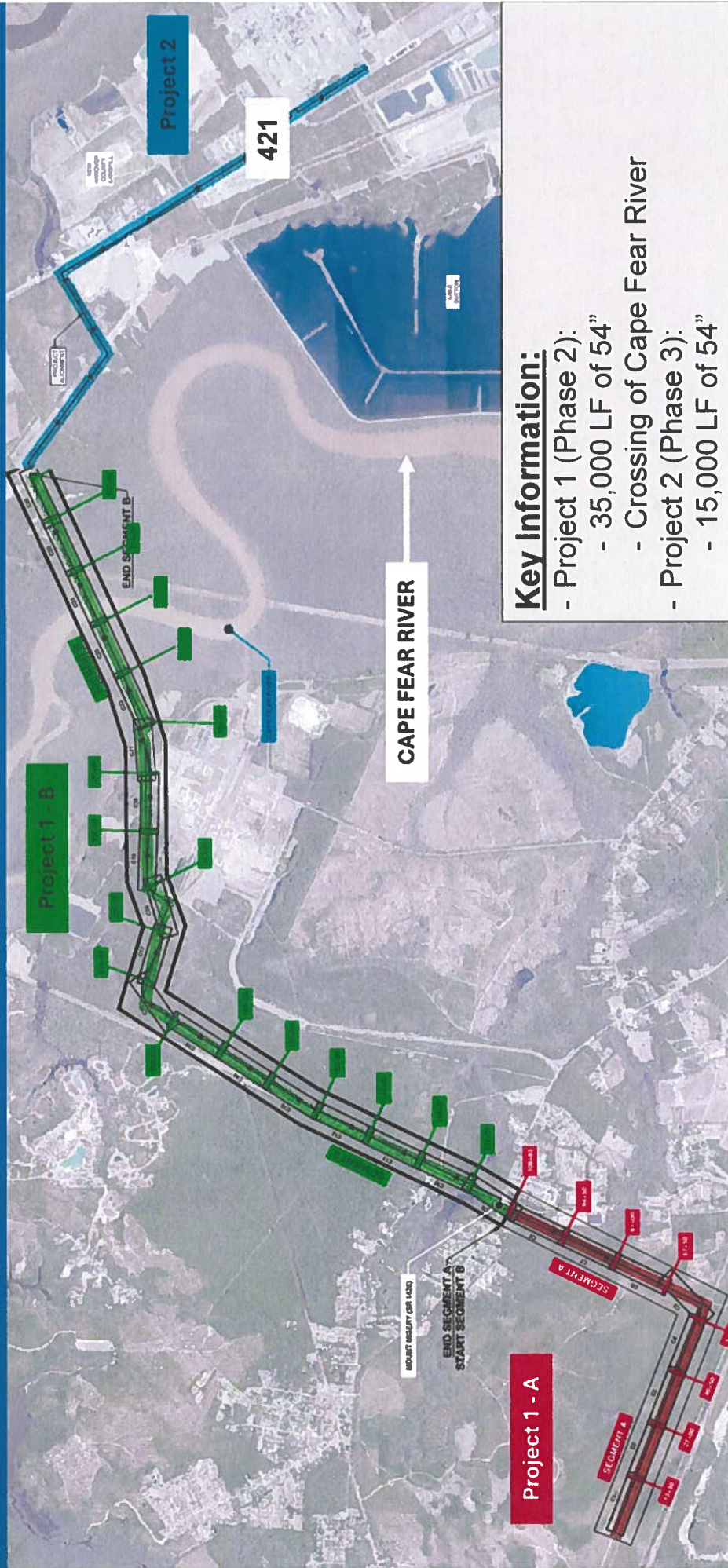
**Agenda**

- 01 Project Recap**
- 02 Project Status**
- 03 Garney - Lump Sum Proposal No. 2**
- 04 HDR - Amendment 1 Phase 2 Services**

# Project Location



# Project Scope



# Project 1 – Status – Construction Phase

1A

**~100%**

10,883 LF /  
10,883 LF

1B

**~100%**

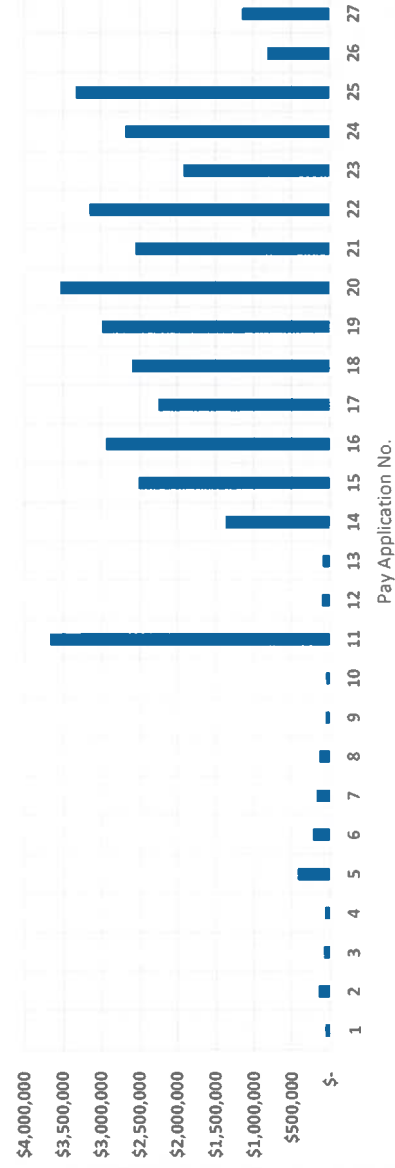
24,117 LF /  
24,117 LF

Total Pipe Installed

**100%**

35,000 LF /  
35,000 LF

DB Team Pay Applications Burn Rate



Total Cost

**96%**

\$39.9M Requested  
\$41.6M Contract

# Project 2 – Status – Preconstruction Phase

- **Detail Design**
  - 75% Design Completed
  - Permits Submitted
  - Easements Negotiated
  - Final Design in Progress
- **Funding Source**
  - State Grant
  - DWSRF (CFPUA)
- **Lump Sum Proposal**
  - #1 – Steel Coil (\$1,578,720)
    - = *Material Procurement*
    - *Approved January 2026*
- **Construction**
  - Anticipated NTP – April 2026





# Project 2 – Lump Sum Proposal #2

- Proposal #2 Revisions

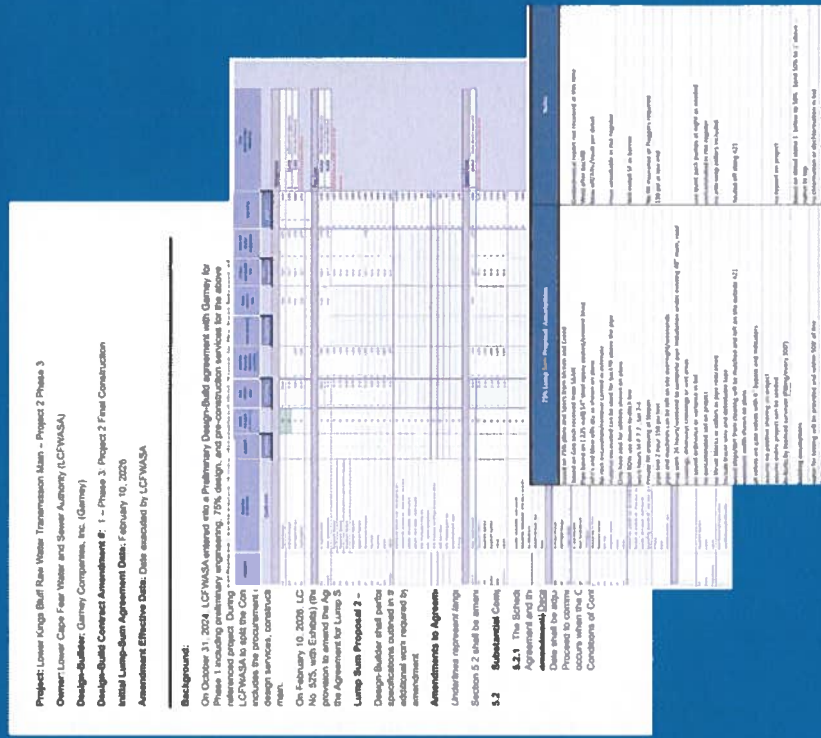
	Cost	Allowance	Total
1	\$ 16,910,476	\$ 878,110	\$ 17,788,586
2	\$ 16,291,082	\$ 1,353,885	\$ 17,644,967
3	\$ 15,362,533	\$ 962,000	\$ 16,324,533

- 9% Reduction in LS portion
- \$1.5M Reduction of total proposal

- Comparison to Original Estimate

Project	Total*
Project 1 (Phase 2 A/B)	\$41,878,184
Project 2 (Phase 3)	\$19,238,308
<b>Total</b>	<b>\$61,116,492</b>
<i>Original Estimate (2022)</i>	<i>\$60,200,000</i>
<i>Escalated 2026 (ENR 1.081x)</i>	<i>\$65,076,200</i>

\*Comparison does not include OA Costs as that was not in the original estimate



# HDR Amendment 1 – Final Design / Construction Phase



- LCFWASA's Field Representative
  - Continuation of same support during Project 1
- Amendment Tasks (T&M / NTE)
  - Project Management
  - Funding Assistance
  - Construction Administration
  - Construction Observation
  - Construction Materials Testing & Special Inspections
- Reallocation of Funds (Savings)
  - Reallocate \$259,169 from existing Project 1 & 2 OA Tasks
- Total Net Amendment Amount
  - \$217,117
- Total Net Amendment Amount (Project 1 & Project 2)
  - \$1,289,016

# Questions?

# LS Proposal #2 - Analysis

VENDOR	TYPE	DESCRIPTION	LINE ITEM TOTAL	% Totals
Bid Item 10 - Mobilization			\$ 232,059.91	2%
Bid Item 20 - Erosion Control			\$ 208,621.77	1%
Bid Item 30 - Prep Project			\$ 4,285,941.48	30%
Bid Item 40 - Clearing			\$ 275,358.55	2%
Bid Item 50 - Install Steel Pipe			\$ 3,522,261.65	24%
Bid Item 60 - HWY 421 Jack and Bore			\$ 444,310.29	3%
Bid Item 70 - Stepan RR bore			\$ 220,432.12	2%
Bid Item 80 - CFPVA Vault			\$ 1,294,399.84	9%
Bid Item 90 - Blow off			\$ 48,054.11	0%
Bid Item 100 - Cathodic Protection			\$ 191,773.38	1%
Bid Item 110 - ARV			\$ 191,662.93	1%
Bid Item 120 - Clean up/Restoration			\$ 609,895.45	4%
Bid Item 130 - Stepan Interconnection			\$ 51,352.84	0%
Bid Item 140 - Linde Interconnection			\$ 144,901.30	1%
Bid Item 150 - Engineering Services			\$ 400,160.00	3%
Bid Item 160 - 75% to 100% Design Completion			\$ 227,348.86	2%
Bid Item 170 - Bonds and Insurance 2.5%			\$ -	0%
Bid Item 180 - Weather day			\$ 300,525.10	2%
Bid Item 190 - Driveways Crossing			\$ 602,712.58	4%
Bid Item 200 - Pig Retriever			\$ 314,531.90	2%
Bid Item 210 - Cross existing 46			\$ 71,234.72	0%
		Tickler List & Cost Escalations	\$ -	0%
		Weather & Down-Time (Equip & Salary costs only)		0%
		Office & Project Management	\$ 474,384.86	3.3%
		Other General Conditions	\$ 337,101.10	2.3%

# Attachment B – Reallocation of Fee Per Task

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
<b>Project 1 Subtotal</b>		<b>\$ 876,899</b>	<b>\$ (160,209)</b>	<b>\$ -</b>	<b>\$ 716,690</b>
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
<b>Project 2 Subtotal</b>		<b>\$ 195,000</b>	<b>\$ (98,961)</b>	<b>\$ 476,286</b>	<b>\$ 572,325</b>
<b>Total Project 1 and 2</b>		<b>\$ 1,071,899</b>	<b>\$ (259,169)</b>	<b>\$ 476,286</b>	<b>\$ 1,289,016</b>
<b>Savings from reallocation</b>		<b>\$ 259,169</b>			
<b>Net Combined Increase from Projects 1 &amp; 2</b>		<b>\$ 217,117</b>			

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**Lower Cape Fear Water & Sewer Authority**

Personnel Committee Meeting Minutes

March 9<sup>th</sup>, 2026

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Chairman Phillips called to order the Personnel Committee Meeting on March 9<sup>th</sup>, 2026, at 8:15 a.m. The meeting was held at the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.

**Present:** Damien Buchanan, Patrick DeVane, Harry Knight, and Scott Phillips

**Present by Virtual Attendance:** None

**Absent:** Chakema Clinton-Quintana,

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

**Guests:** Jorgen Holmberg, Computer Warriors; Director Wayne Edge, and Director Jerry Groves

**Discussion**

Chairman Phillips requested a review of the LCFWASA Board Member Remote Participation Policy and Procedure. He recommended removing Section C, Part 8, which requires a roll-call voice vote. Following discussion, this matter will be presented to the full Board for consideration.

**Motion:** Director Knight **MOVED**; seconded by Director DeVane, recommend removing Section C, Part 8, from the Remote Participation Policy and Procedure, eliminating the requirement for a roll-call voice vote at the March Board Meeting. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**ADJOURNMENT**

There being no further business, Chairman Phillips adjourned the meeting at 8:25 a.m.

Respectfully Submitted,

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

**Lower Cape Fear Water & Sewer Authority**

Finance Committee Meeting Minutes

March 9, 2026

Chairman Phillips called to order the Finance Committee Meeting on March 9, 2026, at 8:30 a.m. The meeting was held at the Authority’s office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.

**Present:** Damien Buchanan, Patrick DeVane, Harry Knight, and Scott Phillips

**Absent:** Chakema Clinton-Quintana

**Present by Virtual Attendance:** None

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

**Guests Present:** Jorgen Holmberg, Computer Warriors; Director Wayne Edge, and Director Jerry Groves

**Guests Virtual Attendance:** None

**PowerPoint for Annual Budget Fiscal Year 2026-2027**

Executive Director Holloman reviewed essential cost items for the FY 2026-2027 draft budget. Our customers have projected using 11,196,923 gallons of water for an estimated revenue of 5.8 million. Health insurance will increase by 18%. The property and liability insurance expenses will be received on April 1. State retirement will increase from 14.85% to 15.10%. LCFWASA will purchase a fourth pump through either state appropriation, finance, or partner contribution for the Kings Bluff Plant. We will have Pay-Go for the Air Backwash and Walkway for \$4,200,000. Rates will increase by 0.04 to 0.52 from the current .48, as recommended by the rate forecast needed for the Master Plan. The FY 2026-2027 budget is a 23% increase over the FY2025-2026 budget, primarily due to operating capital expenses, building the R & R Fund, and the Parallel Line Project.

**ADJOURNMENT**

There being no further business, Chairman Phillips adjourned the meeting at 8:40 a.m.

Respectfully Submitted,

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

*The next Finance Committee Meeting of the Lower Cape Fear Water & Sewer Authority is scheduled for Monday, May 11, 2026, at 8:30 a.m. in the Authority’s office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.*

Lower Cape Fear Water & Sewer Authority  
 Long Range Planning Committee Meeting  
 March 9, 2026

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Chairman Phillips called to order the Long-Range Planning Committee Meeting on March 9, 2026, at 10:58 a.m. The meeting was held at the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.

**Roll Call by Chairman Phillips:**

**Present:** Damien Buchanan, Chakema Clinton-Quintana, Patrick DeVane, Al Leonard, Scott Phillips, Phil Tripp, Frank Williams, and Rob Zapple

**Present by Virtual Attendance:** None

**Absent:** Harry Knight

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

**Guests Present:** Jorgen Holmberg, Computer Warriors; Sean Kenyon, McKim & Creed Senior Project Engineer; David Carson, Brunswick County Kings Bluff Water Resource Supervisor; Chris Giesting, Brunswick County Water Resources Manager; Jeff Gramm, Cape Fear Public Utility Authority Treatment/Engineering Services Administration; David Fournier, HDR Construction Services; Ken Waldroup, Cape Fear Public Utility Authority Executive Director; Kevin Morris, Cape Fear Public Utility Authority Deputy Director; Christopher "CJ" Cahoy, Garney Construction

**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; James Proctor, Pender County Interim Utilities Director; Erin Jones, Pender County Utilities Water Treatment Plant Superintendent; Will Shull, HDR Associate Vice President; Benjamin Kearns, Cape Fear Public Utility Authority Water Resources Manager Water Treatment

**Presentation: Master Plan Review (Capital Improvement Plan) review by Sean Kenyon**

Sean Kenyon presented the current draft Capital Improvement Plan (CIP) from 2026 through 2051, including Kings Bluff, Raw Water, and Bladen Bluff water treatment facilities. The CIP had several factors, including category of need, capacity issue, whether it needs to be replaced or rehabilitated, and whether there is a maintenance efficiency or redundancy issue. They assigned each project a criticality score as to whether it was a high or low priority and looked at no consequence if no action was taken. There are three primary drivers: demand and capacity, life cycle, redundancy, and resiliency. The criticality is scored one, two, or three. One being the lowest and three being the highest need. The preliminary design memorandum is based on a demand table for projected usage from the different entities, with a future demand of 96 million gallons per day in 2062.

Sean Kenyon listed thirteen projects for Kings Bluff and three cost-sharing projects. KB1 New 4th Pump at Kings Bluff has a criticality of three because current pumps will meet projected demands by 2037. The fourth pump will be standby/backup and add to pump rotation to reduce hours per pump. KB2 Rebuild/Refurbish the existing 1600 HP vertical turbine raw water pump. Rebuilding the pumps will extend their service life. KB3 Generators at King's Bluff Raw Water Pump Station have a criticality of two due to the need to upgrade due to the future increased load associated with auxiliary pump motor HP and larger quantities. The KB4 Pig 48" pipe from the Kings Bluff pump station to the 3 MG ground tank is critical because pigging will maintain a clean pipeline free of sediment, silt, and debris. It will also improve the efficiency of pumps by reducing the frictional characteristics of the pipeline. KB5 Pig 54" pipe from 3MG ground tank to US 421 has a criticality of one sighting, the same reason as pigging the 48" pipeline. KB6 Walkway and air backwash building replacement have

a criticality of two because the walkway is in serviceable condition and will need to be replaced by 2027 due to rotting wood and the overall weathering of the walkway. KB7 Replacing raw water pumps 1,4, and 5 has a criticality of three due to age and mechanical wear. KB8 New surge tank at Kings Bluff has a criticality of two because as the demand increases, surges in the system will likely increase, and this needs to be installed before the fifth pump comes online. KB9 5 ROW acquisitions rated a criticality of two. The KB10 48-inch PCCP inspection and pig from the ground tank to US 421, with a criticality of one, is a matter of utmost importance due to the current loss of capacity and/or clogging caused by sediment buildup. Similarly, the KB11 48-inch PCCP repairs, also with a criticality of one, pose a significant risk of a pipeline break. The KB12 48" PCCP Leak Detection Project has a criticality of one because of potential leaks and weak points in the existing line before a break or failure. KB13 Solar Power Study and Installation has a criticality of one. This will enhance the reliability and efficiency of the station by providing a redundant power source.

CS1 A New fifth pump at Kings Bluff raw water pump station has a criticality of three because decreasing the load and run times of existing pumps will extend the life and improve all pumps' reliability. CS2 3-Mile parallel raw water main from 3MG Pender Vault to Cape Fear Public Utilities vault has one criticality. CS3 100MGD Reservoir has a criticality of one due to the increasing availability of a system for water storage, allowing for temporary redundancy of supply in the case of an emergency (line break, power outage, hurricane)

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

No comments.

**FUTURE MEETINGS**

May 11<sup>th</sup>, 2026, at 10:00 am

**ADJOURNMENT**

There being no further business, Chairman Phillips adjourned the meeting at 11:24 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 March 2026****Mr. Holloman,**

The Maintenance and Operations of the King's Bluff facility (KB) for the month of March 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 the INVISTA /CFPUA vaults off HWY 421, were run and tested weekly and verified as ready to stand by.

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

1. KB personnel completed all locates issued by the Boss 811 system.
2. KB personnel assisted Power Generation in replacing NICAD batteries for UPS (Uninterrupted Power Supply) on the transfer switch gear in the electrical room at the Generator building.
3. KB personnel continued to paint resistor boxes and Generator control panels in the generator room.
4. KB personnel inspected R.O.W. in Pender County, which is a part of the parallel line project.
5. KB personnel assisted Garney at the Raw tank to get water for filling and testing of the new 54" parallel line.
6. KB personnel scoured the floor at the Generator building to be epoxy-painted at a later date.

7. **KB personnel disinfected/power-washed pump room 1,4, & 5 as well as pipe galleries, and the air compressor area.**
8. **KB personnel took representatives from Gregory Poole around Kings Bluff and Authority property for quotes on several projects, including annual PMs for the generators and booster pumps.**
9. **KB personnel continued the installation of waterline and edge of right-of-way markers along R.O.W. (Right of way) and 48",54" line markers.**
10. **KB personnel successfully managed the storm/power outage of 3/12/26**
11. **KB personnel replaced fans on V.F.D. (variable frequency drive) 1 & 4 in the V.F.D. room after the 3/12/26 storm/power outage.**
12. **KB personnel replaced light fixtures with LED fixtures in the pipe gallery of pump rooms #4 & #5.**
13. **KB personnel assisted Sanford Electric with the installation of isolation transformers for cooling fans on VFDs (Variable frequency drives) 1, 4, and 5.**
14. **KB personnel assisted MSHS (Woodward Controls/OME) and I&E (instrumentation and electrical, BCPU) with the removal and replacement of new Woodward generator controls and PLC (primary logic controls) on both EMD generators. This project is to replace obsolete equipment that is no longer supported..**
15. **KB personnel helped TMEIC (SHERMCO) troubleshoot V.F.D. (variable frequency drive) issues after the new isolation transformer was installed and checked power quality on utility and generator power.**
16. **KB personnel mowed at Kings Bluff and Authority property.**

**Contractors for the Month of March:**

**Power Generation and Controls**

**McDuffie pest service**

**Randy Haire/Haire Electric & Controls**

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

**MSHS**

**Gregory Poole(quotes)**

**Sanford Electric**

**SHERMC**

**Innovative Landscaping (quotes)**

**Landmark Integrations camera system(quotes)**

**NCDEQ (Division of Air Quality)**

**David Carson**

**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: 03/25/2026****SUBJECT: TMEIC VFD#1/Power Quality**

---

**Mr. Holloman,****Wednesday 18<sup>th</sup> of March 2026**

**Kings Bluff, along with Saford Electric, installed three (15kva) Isolation Transformers, one for each of the VFDs. This was done as part of the solution to our ongoing power quality issues, as recommended by TMEIC, to see if it would fix or help with the fan faults and failures that have occurred. This work was done by Sanford Electric for Underwood Pumps. We had TMEIC on site to test and monitor the VFDs. Once we got the isolation transformer installed, he checked all voltages for all three VFD fan circuits; everything looked great on utility power. We then proceeded to test everything on generator auxiliary power voltages, which looked good and stable. We ran the #1 VFD on generator power for 2.5 hours without issue. This is a major improvement because #1VFD has not run on generator auxiliary power due to nuisance faults on the cooling fans whenever we were on generator auxiliary power. We hope the new isolation transformer will provide more and better protection and improved power quality for all three VFDs' cooling fans going forward. While TMEIC was here on Wednesday and Thursday, we tested the VFDs by running them separately and together in different combinations, and they performed well. We will continue to monitor them closely.**

**The addition of the invention of transformers has made a marked improvement in our VFD/Power Quality issue. We are in a much better and more reliable situation than we have been in the last six months.**

**We are also upgrading the controls for the two generators at this time, and this work will allow us to tune and adjust the power as part of the upgrade. This also provides us with additional real-time testing of the VFDs and demonstrates the reliability of the VFD fixes going forward. We are in communication with TMEIC about everything happening with the generators and power quality, and the interactions between the VFDs and generators, to see if any further adjustments to the VFDs are needed to optimize their performance as they operate together with the generators.**

# Smithfield®

To: Tim Holloman - LCFWASA

From: James Kern – Bladen Bluffs SWTP ORC

Date: 4/2/26

Subject: March 2026 Operations

During the month of March, Bladen Bluffs SWTP operated a total of 18 days, treating 60.23 million gallons of water.

We used:

35,305 lbs. of aluminum sulfate (Alum)

9,350 lbs. of sodium hydroxide (Caustic)

1,332 lbs. of sodium hypochlorite (2,675 gallons of 6% Chlorine Bleach)

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

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

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

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

## Bladen Bluffs SWTP Maintenance Report

Date: 4/2/2026

### ISSUE:

### PLAN OF ACTION:

1. All PLC need updated	Quote received...plan to order hardware and schedule install/update soon
2. Vault intrusion electrical needs replaced	Parts arrived – planning with internal electricians
3. Wooden walkway to river needs replacement	Tim and Jess plan to meet and discuss plan
4. Transfer pump #2 NA	Bad wire – temp fix. Planning with internal electrician – Pump available
5. Look into replacing worn out safety signs	Received Signage
6. Outdoor digital displays no good	Ordering new
7. RWPS level indicator not working	Electrical issue. Planning repair with internal electrician
8. Need insulation repair in a few areas	COMPLETE
9. Few lights out in parking lot	COMPLETE
10. Chemical pump PM needed	Completed partial – planning full PM
11. Caustic pump #3 NA	Have spare...planning install
12. Filter #1 influent valve NA	Diagnosing issue on 4/3
13. Flocculator 2B failed	Diagnosed bad motor – ordering new

## 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>March</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>99</u>
Samples exceeding .3 NTU (count): <u>0</u>	Number of samples taken: <u>99</u>
Samples exceeding .3 NTU (pct): <u>0.0%</u>	Highest single turbidity reading NTU: <u>0.166</u>
	Monthly average turbidity NTU: <u>0.063</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>99</u>
Minimum EPRD concentration <u>0.7900</u>	Number of samples taken <u>99</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>15.90</u>	Number of CT ratios required <u>18</u>
Number of CT ratios below 1.0 <u>0</u>	Number of CT ratios calculated <u>18</u>

### Remarks From General Info Worksheet

By checking this box, the ORC certifies that the requirements of 15A NCAC 18C .1301 "General Requirements", .1302 "Tests, Forms, and Reporting", and .1303 "Facility Oversight" have been met for the month of March, 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: <span style="border: 1px solid black; padding: 2px;">James Kern</span>	CERTIFICATE GRADE: <span style="border: 1px solid black; padding: 2px;">A - Surface</span>	CERTIFICATE NUMBER: <span style="border: 1px solid black; padding: 2px;">120147</span>
------------------------------------------	--------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------

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

**Whereas**, North Carolina General Statute 143-335 (l) requires that each system that provides public water services or plans to provide such services shall, either individually or together with other systems, prepare and submit a Local Water Supply Plan at least once every five years; and

**Whereas**, as required by the statute and in the interests of sound local planning, the Lower Cape Fear Water & Sewer Authority's Local Water Supply Plan for calendar year 2025 for Kings Bluff Raw Water Pump Station, has been developed and submitted to the Board of Directors for approval; and

**Whereas**, the Board of Directors for the Lower Cape Fear Water & Sewer Authority (Authority) find that the Local Water Supply Plan is in accordance with the provisions of North Carolina General Statute 143-355 (l) and that it will provide appropriate guidance for the future management of water supplies for the Authority, as well as useful information to the Department of Environmental Quality for the development of a state water supply plan as required by statute.

**Now, Therefore, Be It Resolved** by the Chairman and Board of Directors of the Lower Cape Fear Water & Sewer Authority that the Local Water Supply Plan for calendar year 2025 for Kings Bluff Raw Water Pump Station is approved for submittal to the Department of Environmental Quality, Division of Water Resources (Department); and

**Be It Further Resolved** that the Board of Directors of the Authority intends that this plan shall be revised to reflect changes in relevant data and projections at least once every five years or as otherwise requested by the Department, in accordance with the statute and sound planning practice.

**This Resolution was adopted on the 13th day of April 2026.**

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

ATTEST:

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

# LCFWSA - Kings Bluff

2025 ▾

The Division of Water Resources (DWR) provides the data contained within this Local Water Supply Plan (LWSP) as a courtesy and service to our customers. DWR staff does not field verify data. Neither DWR, nor any other party involved in the preparation of this LWSP attests that the data is completely free of errors and omissions. Furthermore, data users are cautioned that LWSPs labeled **PROVISIONAL** have yet to be reviewed by DWR staff. Subsequent review may result in significant revision. Questions regarding the accuracy or limitations of usage of this data should be directed to the water system and/or DWR.

## 1. System Information

### Contact Information

Water System Name: LCFWSA - Kings Bluff PWSID: 50-09-013  
 Mailing Address: 1107 New Pointe Blvd., Suite # 17 Leland, NC 28451 Ownership: Authority  
 Contact Person: Tim H Holloman Title: Executive Director  
 Phone: 910-383-1919 Cell/Mobile: 919-333-5933

**Provisional**

### Distribution System

Line Type	Size Range (Inches)	Estimated % of lines
Other	48	80.00 %
Other	54	20.00 %

What are the estimated total miles of distribution system lines? **38 Miles**  
 How many feet of distribution lines were replaced during 2025? **0 Feet**  
 How many feet of new water mains were added during 2025? **0 Feet**  
 How many meters were replaced in 2025? **0**  
 How old are the oldest meters in this system? **10 Year(s)**  
 How many meters for outdoor water use, such as irrigation, are not billed for sewer services? **0**  
 What is this system's finished water storage capacity? **0.0000 Million Gallons**  
 Has water pressure been inadequate in any part of the system since last update? *Line breaks that were repaired quickly should not be included.* **No**

### Programs

Does this system have a program to work or flush hydrants? **No**  
 Does this system have a valve exercise program? **Yes, Semi-Annually**  
 Does this system have a cross-connection program? **No**  
 Does this system have a program to replace meters? **No**  
 Does this system have a plumbing retrofit program? **No**  
 Does this system have an active water conservation public education program? **Yes**  
 Does this system have a leak detection program? **Yes**

### Water Conservation

What type of rate structure is used? **Flat/Fixed**  
 How much reclaimed water does this system use? **0.0000 MGD** For how many connections? **0**  
 Does this system have an interconnection with another system capable of providing water in an emergency? **No**

## 2. Water Use Information

Service Area

Sub-Basin(s)	% of Service Population	County(s)	% of Service Population
Cape Fear River (02-3)	100 %	Brunswick	80 %
		New Hanover	19 %
		Pender	1 %

What was the year-round population served in 2025? 550,000

What was the seasonal population and months served in 2025? (if applicable) 650,000 ( May Jun Jul )

Has this system acquired another system since last report? No

Water Use by Type

Type of Use	Metered Connections	Metered Average Use (MGD)	Non-Metered Connections	Non-Metered Estimated Use (MGD)
Residential	0	0.0000	0	0.0000
Commercial	0	0.0000	0	0.0000
Industrial	2	0.8860	0	0.0000
Institutional	0	0.0000	0	0.0000

How much water was used for system processes (backwash, line cleaning, flushing, etc.)? 0.0000 MGD

Water Sales

Purchaser	PWSID	Average Daily Sold (MGD)		Contract		Required to comply with water use restrictions?	Pipe Size(s) (Inches)	Use Type
		MGD	Days Used	Expiration	Recurring			
Brunswick County	04-10-045	15.1850	365	24.0000	2022	Yes	Yes	48,54 Regular
Cape Fear Public Utility Authority	04-65-010	11.9000	365	38.0000	2022	Yes	Yes	48,54 Regular
Pender County	70-71-011	1.6800	365	6.0000	2029	Yes	Yes	48,54 Regular

### 3. Water Supply Sources

Monthly Withdrawals & Purchases

	Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)
Jan	23.9640		May	31.4600		Sep	32.0600	
Feb	28.5700		Jun	35.6100		Oct	26.0200	
Mar	28.1300		Jul	34.0460		Nov	25.7500	
Apr	36.5700		Aug	29.4600		Dec	23.1900	



Surface Water Sources

Stream	Reservoir	Average Daily Withdrawal		Maximum Day Withdrawal (MGD)	Available Raw Water Supply		Usable On-Stream Raw Water Supply Storage (MG)
		MGD	Days Used		MGD	* Qualifier	
Cape Fear River	Lock and Dam No. 1	32.8900	365	0.0000	96.0000	F	0.0000

\* Qualifier: C=Contract Amount, SY20=20-year Safe Yield, SY50=50-year Safe Yield, F=20% of 7Q10 or other instream flow requirement, CUA=Capacity Use Area Permit

Surface Water Sources (continued)

Stream	Reservoir	Drainage Area (sq mi)	Metered?	Sub-Basin	County	Year Offline	Use Type
Cape Fear River	Lock and Dam No. 1	5,255	Yes	Cape Fear River (02-3)	Bladen		Regular

What is this system's off-stream raw water supply storage capacity? 3 Million gallons

Are surface water sources monitored? **Yes, Daily**

Are you required to maintain minimum flows downstream of its intake or dam? **No**

Does this system anticipate transferring surface water between river basins? **No**

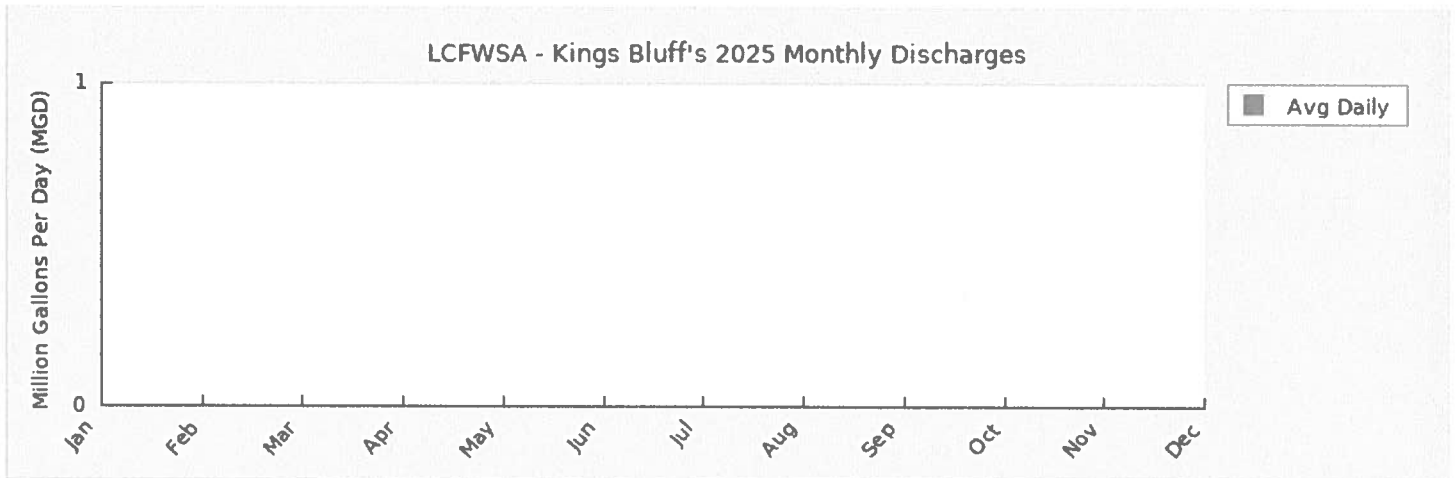
Water Purchases From Other Systems

Seller	PWSID	Average Daily Purchased (MGD)	Days Used	Contract		Required to comply with water use restrictions?	Pipe Size(s) (Inches)	Use Type
				MGD	Expiration			
Cape Fear Public Utility Authority	04-65-015	0.0000	0	0.0000	2023	Yes	24	Emergency

4. Wastewater Information

Monthly Discharges

	Average Daily Discharge (MGD)		Average Daily Discharge (MGD)		Average Daily Discharge (MGD)
Jan	0.0000	May	0.0000	Sep	0.0000
Feb	0.0000	Jun	0.0000	Oct	0.0000
Mar	0.0000	Jul	0.0000	Nov	0.0000
Apr	0.0000	Aug	0.0000	Dec	0.0000



How many sewer connections does this system have? 0

How many water service connections with septic systems does this system have? 0

Are there plans to build or expand wastewater treatment facilities in the next 10 years? No

5. Planning

Projections

	2025	2030	2040	2050	2060	2070
Year-Round Population	550,000	550,000	550,000	561,000	561,000	561,000
Seasonal Population	650,000	650,000	650,000	663,000	663,000	663,000
Residential	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Commercial	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Industrial	0.8860	2.0000	2.0000	2.0000	2.0000	2.0000
Institutional	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
System Process	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unaccounted-for	3.2390	3.3410	3.3410	3.3410	3.3410	3.3410

Demand v/s Percent of Supply

	2025	2030	2040	2050	2060	2070
Surface Water Supply	96.0000	96.0000	96.0000	96.0000	96.0000	96.0000
Ground Water Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Purchases	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Future Supplies		0.0000	0.0000	0.0000	0.0000	0.0000
Total Available Supply (MGD)	96.0000	96.0000	96.0000	96.0000	96.0000	96.0000
Service Area Demand	4.1250	5.3410	5.3410	5.3410	5.3410	5.3410
Sales	28.7650	68.0000	68.0000	68.0000	68.0000	68.0000
Future Sales		0.0000	0.0000	0.0000	0.0000	0.0000
Total Demand (MGD)	32.8900	73.3410	73.3410	73.3410	73.3410	73.3410
Demand as Percent of Supply	34%	76%	76%	76%	76%	76%



The purpose of the above chart is to show a general indication of how the long-term per capita water demand changes over time. The per capita water demand may actually be different than indicated due to seasonal populations and the accuracy of data submitted. Water systems that have calculated long-term per capita water demand based on a methodology that produces different results may submit their information in the notes field.

Your long-term water demand is 0 gallons per capita per day. What demand management practices do you plan to implement to reduce the per capita water demand (i.e. conduct regular water audits, implement a plumbing retrofit program, employ practices such as rainwater harvesting or reclaimed water)? If these practices are covered elsewhere in your plan, indicate where the practices are discussed here. **No Changes**

Are there other demand management practices you will implement to reduce your future supply needs? **No Changes**

What supplies other than the ones listed in future supplies are being considered to meet your future supply needs? **No Changes**

How does the water system intend to implement the demand management and supply planning components above? **No changes**

Additional Information

Has this system participated in regional water supply or water use planning? **Yes, Yes, McKim and Creed completed an updated analysis in 2025.**

What major water supply reports or studies were used for planning? **Kings Bluff Usage, trends, and population projections for regional growth**

Please describe any other needs or issues regarding your water supply sources, any water system deficiencies or needed improvements (storage, treatment, etc.) or your ability to meet present and future water needs. Include both quantity and quality considerations, as well as financial, technical, managerial, permitting, and compliance issues:

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**Resolution Adopting the Lower Cape Fear Water & Sewer Authority's  
Local Water Supply Plan for Bladen Bluffs Regional Surface Water System,  
PWSID 50-09-012 for Calendar Year 2025**

**Whereas**, North Carolina General Statute 143-335 (l) requires that each system that provides public water services or plans to provide such services shall, either individually or together with other systems, prepare and submit a Local Water Supply Plan at least once every five years; and

**Whereas**, as required by the statute and in the interests of sound local planning, the Lower Cape Fear Water & Sewer Authority's Local Water Supply Plan for calendar year 2025 for Bladen Bluffs Regional Surface Water System, has been developed and submitted to the Board of Directors for approval; and

**Whereas**, the Board of Directors for the Lower Cape Fear Water & Sewer Authority (Authority) find that the Local Water Supply Plan is in accordance with the provisions of North Carolina General Statute 143-355 (l) and that it will provide appropriate guidance for the future management of water supplies for the Authority, as well as useful information to the Department of Environmental Quality for the development of a state water supply plan as required by statute.

**Now, Therefore, Be It Resolved** by the Chairman and Board of Directors of the Lower Cape Fear Water & Sewer Authority that the Local Water Supply Plan for calendar year 2025 for Bladen Bluffs Regional Surface Water System is approved for submittal to the Department of Environmental Quality, Division of Water Resources; (Department); and

**Be It Further Resolved** that the Board of Directors of the Authority intends that this plan shall be revised to reflect changes in relevant data and projections at least once every five years or as otherwise requested by the Department, in accordance with the statute and sound planning practice.

**This Resolution was adopted on the 13th day of April 2026.**

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

ATTEST:

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

# Bladen Bluffs - LCFWSA

2025 ▾

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## 1. System Information

### Contact Information

Water System Name:	<b>Bladen Bluffs - LCFWSA</b>	PWSID:	<b>50-09-012</b>
Mailing Address:	<b>1107 New Pointe Blvd., Suite # 17 Leland, NC 28451</b>	Ownership:	<b>Authority</b>
Contact Person:	<b>Tim Holloman</b>	Title:	<b>Executive Director</b>
Phone:	<b>910-383-1919</b>	Cell/Mobile:	<b>--</b>
Secondary Contact:	<b>James Kern</b>	Phone:	<b>910-733-0016</b>
Mailing Address:	<b>PO Box 100 Tar Heel, NC 28392</b>	Cell/Mobile:	<b>--</b>

**Provisional**

### Distribution System

Line Type	Size Range (Inches)	Estimated % of lines
Ductile Iron	24	100.00 %

What are the estimated total miles of distribution system lines? **1 Miles**

How many feet of distribution lines were replaced during 2025? **0 Feet**

How many feet of new water mains were added during 2025? **0 Feet**

How many meters were replaced in 2025? **0**

How old are the oldest meters in this system? **0 Year(s)**

How many meters for outdoor water use, such as irrigation, are not billed for sewer services? **0**

What is this system's finished water storage capacity? **4.0000 Million Gallons**

Has water pressure been inadequate in any part of the system since last update? *Line breaks that were repaired quickly should not be included.* **No**

### Programs

Does this system have a program to work or flush hydrants? **No**

Does this system have a valve exercise program? **No**

Does this system have a cross-connection program? **No**

Does this system have a program to replace meters? **No**

Does this system have a plumbing retrofit program? **No**

Does this system have an active water conservation public education program? **No**

Does this system have a leak detection program? **No**

### Water Conservation

What type of rate structure is used? **Other**

How much reclaimed water does this system use? **0.0000 MGD** For how many connections? **0**

Does this system have an interconnection with another system capable of providing water in an emergency? **Yes**

## 2. Water Use Information

### Service Area

Sub-Basin(s)	% of Service Population	County(s)	% of Service Population
Cape Fear River (02-3)	100 %	Bladen	100 %

What was the year-round population served in 2025? 0

Has this system acquired another system since last report? No

### Water Use by Type

Type of Use	Metered Connections	Metered Average Use (MGD)	Non-Metered Connections	Non-Metered Estimated Use (MGD)
Residential	0	0.0000	0	0.0000
Commercial	0	0.0000	0	0.0000
Industrial	0	0.0000	0	0.0000
Institutional	0	0.0000	0	0.0000

How much water was used for system processes (backwash, line cleaning, flushing, etc.)? 0.0632 MGD

### Water Sales

Purchaser	PWSID	Average Daily Sold (MGD)	Days Used	MGD	Contract Expiration	Recurring	Required to comply with water use restrictions?	Pipe Size(s) (Inches)	Use Type
Smithfield Packing Company	03-09-527	2.7500	227	4.0000		Yes	No	24	Regular

## 3. Water Supply Sources

### Monthly Withdrawals & Purchases

	Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)
Jan	1.9403	3.8100	May	1.6355	4.0000	Sep	1.9880	4.0000
Feb	1.9621	3.9300	Jun	1.8993	3.8300	Oct	1.7455	3.5300
Mar	1.6716	4.0000	Jul	1.7561	3.8800	Nov	1.6250	3.5000
Apr	1.9683	3.9400	Aug	1.6555	3.7800	Dec	1.8326	3.4600

### Surface Water Sources

Stream	Reservoir	Average Daily Withdrawal		Maximum Day Withdrawal (MGD)	Available Raw Water Supply		Usable On-Stream Raw Water Supply Storage (MG)
		MGD	Days Used		MGD	* Qualifier	
Cape Fear River		2.9018	227	4.0000	6.0000	T	0.0000

\* Qualifier: C=Contract Amount, SY20=20-year Safe Yield, SY50=50-year Safe Yield, F=20% of 7Q10 or other instream flow requirement, CUA=Capacity Use Area Permit

### Surface Water Sources (continued)

Stream	Reservoir	Drainage Area (sq mi)	Metered?	Sub-Basin	County	Year Offline	Use Type
Cape Fear River		4,900	Yes	Cape Fear River (02-3)	Bladen		Regular

What is this system's off-stream raw water supply storage capacity? 0 Million gallons

Are surface water sources monitored? Yes, Daily

Are you required to maintain minimum flows downstream of its intake or dam? No

Does this system anticipate transferring surface water between river basins? No

### Water Purchases From Other Systems

Seller	PWSID	Daily Purchased (MGD)	Days Used	MGD	Expiration	Recurring	comply with water use restrictions?	Pipe Size(s) (Inches)	Item C8 Type
Smithfield Packing Inc.	03-09-527	0.0000	0			Yes	No	24	Regular

Water Treatment Plants

Plant Name	Permitted Capacity (MGD)	Is Raw Water Metered?	Is Finished Water Output Metered?	Source
Bladen Bluffs Surface Water Tr	6.0000	Yes	Yes	Cape Fear River

Did average daily water production exceed 80% of approved plant capacity for five consecutive days during 2025? **No**  
 If yes, was any water conservation implemented?

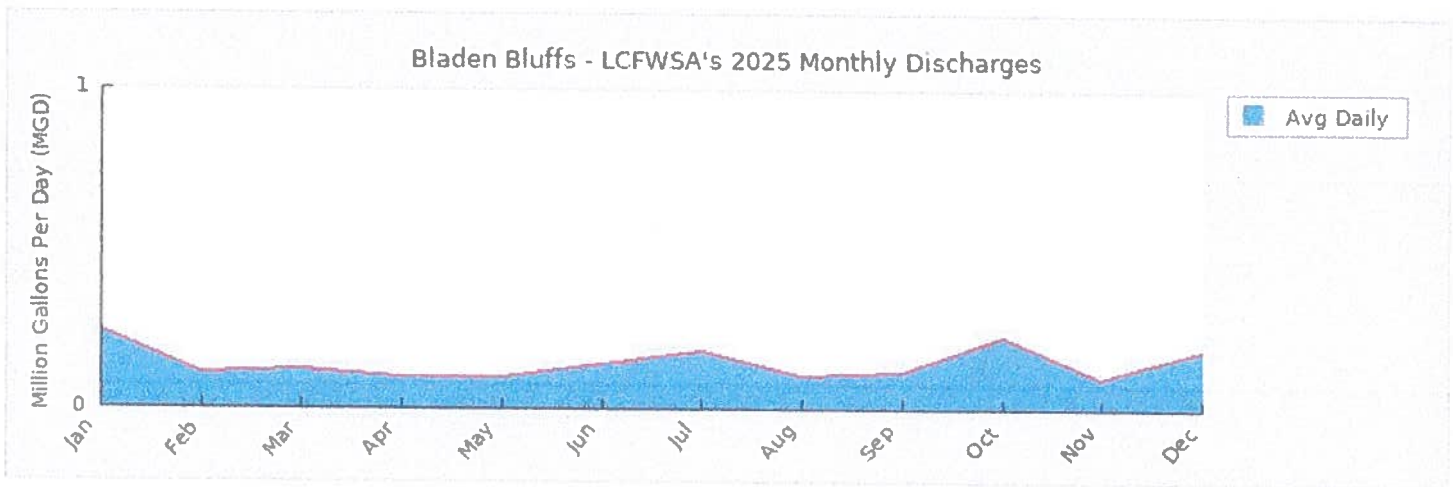
Did average daily water production exceed 90% of approved plant capacity for five consecutive days during 2025? **No**  
 If yes, was any water conservation implemented?

Are peak day demands expected to exceed the water treatment plant capacity in the next 10 years? **No**

4. Wastewater Information

Monthly Discharges

	Average Daily Discharge (MGD)		Average Daily Discharge (MGD)		Average Daily Discharge (MGD)
Jan	0.2386	May	0.1013	Sep	0.1150
Feb	0.1139	Jun	0.1415	Oct	0.2308
Mar	0.1264	Jul	0.1851	Nov	0.1017
Apr	0.1012	Aug	0.1087	Dec	0.1858



How many sewer connections does this system have? **0**

How many water service connections with septic systems does this system have? **0**

Are there plans to build or expand wastewater treatment facilities in the next 10 years? **No**

Wastewater Permits

Permit Number	Type	Permitted Capacity (MGD)	Design Capacity (MGD)	Average Annual Daily Discharge (MGD)	Maximum Day Discharge (MGD)	Receiving Stream	Receiving Basin
NCG590020	WTP	1.5000	1.5000	0.1484	1.3100	Cape Fear River	Cape Fear River (02-3)

5. Planning

Projections

2025      2030      2040      2050      2060      2070

Year-Round Population	0	0	0	0	0	0
Seasonal Population	0	0	0	0	0	0
Residential	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Commercial	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Industrial	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Institutional	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
System Process	0.0632	0.0632	0.0632	0.0632	0.0632	0.0632
Unaccounted-for	0.0312	0.0312	0.0312	0.0312	0.0312	0.0312

Demand v/s Percent of Supply

	2025	2030	2040	2050	2060	2070
Surface Water Supply	6.0000	6.0000	6.0000	6.0000	6.0000	6.0000
Ground Water Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Purchases	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Future Supplies		0.0000	0.0000	0.0000	0.0000	0.0000
Total Available Supply (MGD)	6.0000	6.0000	6.0000	6.0000	6.0000	6.0000
Service Area Demand	0.0944	0.0944	0.0944	0.0944	0.0944	0.0944
Sales	1.7103	4.0000	4.0000	4.0000	4.0000	4.0000
Future Sales		0.0000	0.0000	0.0000	0.0000	0.0000
Total Demand (MGD)	1.8047	4.0944	4.0944	4.0944	4.0944	4.0944
Demand as Percent of Supply	30%	68%	68%	68%	68%	68%



The purpose of the above chart is to show a general indication of how the long-term per capita water demand changes over time. The per capita water demand may actually be different than indicated due to seasonal populations and the accuracy of data submitted. Water systems that have calculated long-term per capita water demand based on a methodology that produces different results may submit their information in the notes field.

Your long-term water demand is unavailable until we receive population data for 2025 gallons per capita per day. What demand management practices do you plan to implement to reduce the per capita water demand (i.e. conduct regular water audits, implement a plumbing retrofit program, employ practices such as rainwater harvesting or reclaimed water)? If these practices are covered elsewhere in your plan, indicate where the practices are discussed here.

Are there other demand management practices you will implement to reduce your future supply needs?

What supplies other than the ones listed in future supplies are being considered to meet your future supply needs?

How does the water system intend to implement the demand management and supply planning components above?

Additional Information

Has this system participated in regional water supply or water use planning? No

What major water supply reports or studies were used for planning?

Please describe any other needs or issues regarding your water supply sources, any water system deficiencies or needed improvements (storage, treatment, etc.) or your ability to meet present and future water needs. Include both quantity and quality considerations, as well as financial, technical, managerial, permitting, and compliance issues:

The Division of Water Resources (DWR) provides the data contained within this Local Water Supply Plan (LWSP) as a courtesy and service to our customers. DWR staff does not field verify data. Neither DWR, nor any other party involved in the preparation of this LWSP attests that the data is completely free of errors and omissions. Furthermore, data users are cautioned that LWSPs labeled **PROVISIONAL** have yet to be reviewed by DWR staff. Subsequent review may result in significant revision. Questions regarding the accuracy or limitations of usage of this data should be directed to the water system and/or DWR.

## **Resolution Recognizing National Drinking Water Week**

**WHEREAS** the Board of Directors for Lower Cape Fear Water & Sewer Authority (“the Authority”) wishes to provide and promote the importance of raw water to the region; and

**WHEREAS**, the Authority is a regional organization created to aid the development of a water supply system for its sponsoring member governments comprised of Bladen, Brunswick, Columbus, New Hanover, and Pender Counties, and the City of Wilmington; and

**WHEREAS** the Authority recognizes that water is our most valuable natural resource; and

**WHEREAS**, water is treated by our wholesale partners providing public health protection, fire protection, support for our economy and the quality of life we enjoy; and

**WHEREAS**, any measure of a successful society, low mortality rates, economic growth and diversity, productivity, and public safety are related to access to water; and

**WHEREAS** we are all stewards of the water infrastructure upon which future generations depend; and

**WHEREAS** the Authority’s Board of Directors calls upon the residents and businesses of our region and those further upriver to protect our source waters from pollution, to practice water conservation, and to get involved in local water issues.

**NOW, THEREFORE, BE IT RESOLVED**, by the Chairman and the Board of Directors for the Lower Cape Fear Water & Sewer Authority that the first full week in May (3<sup>rd</sup>-9<sup>th</sup>) is proclaimed as Drinking Water Week.

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

**This Resolution was adopted on the 13<sup>th</sup> day of April 2026.**

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**Scott Phillips, Chairman**

**ATTEST:**

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**Chakema Clinton-Quintana, Secretary**

## AGENDA ITEM

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM HOLLOMAN, EXECUTIVE DIRECTOR

Date: April 13, 2026

Re: Resolution Authorizing Application for State Loan and/or Grant  
Funding – Kings Bluff Control Panel and Surge Tank  
Improvements

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**Background:** The Lower Cape Fear Water and Sewer Authority (LCFWASA) has identified the need to complete improvements to the Kings Bluff Control Panel and Surge Tank. These improvements are necessary to support reliable system operations and maintain infrastructure integrity.

To assist with funding, LCFWASA intends to apply for State loan and/or grant assistance through the State of North Carolina. As part of the application process, the Board of Directors must adopt a formal resolution authorizing the submission of the application and confirming the Authority's commitments related to project funding, operation, maintenance, and regulatory compliance.

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

**RESOLUTION BY GOVERNING BODY OF APPLICANT**

**LOWER CAPE FEAR WATER AND SEWER AUTHORITY**

WHEREAS, The Lower Cape Fear Water and Sewer Authority has need for and intends to construct, plan for, or conduct a study in a project described as the Kings Bluff Control Panel and Surge Tank Improvements, and

WHEREAS, The Lower Cape Fear Water and Sewer Authority intends to request State loan and/or grant assistance for the project,

**NOW THEREFORE BE IT RESOLVED, BY THE BOARD OF DIRECTORS OF THE LOWER CAPE FEAR WATER AND SEWER AUTHORITY:**

That Lower Cape Fear Water and Sewer Authority, the **Applicant**, will arrange financing for all remaining costs of the project, if approved for a State loan and/or grant award.

That the **Applicant** will provide for efficient operation and maintenance of the project on completion of construction thereof.

That the **Applicant** will adopt and place into effect on or before completion of the project a schedule of fees and charges and other available funds which will provide adequate funds for proper operation, maintenance, and administration of the system and the repayment of all principal and interest on the debt.

That the governing body of the **Applicant** agrees to include in the loan agreement a provision authorizing the State Treasurer, upon failure of the Lower Cape Fear Water and Sewer Authority to make a scheduled repayment of the loan, to withhold from the Lower Cape Fear Water and Sewer Authority any State funds that would otherwise be distributed to the local government unit in an amount sufficient to pay all sums then due and payable to the State as a repayment of the loan.

That Tim Holloman, Executive Director of the Lower Cape Fear Water and Sewer Authority, the **Authorized Representative**, and successors so titled, is hereby authorized to execute and file an application on behalf of the **Applicant** with the State of North Carolina for a loan and/or grant to aid in the study of or construction of the project described above.

That the **Authorized Representative**, and successors so titled, is hereby authorized and directed to furnish such information as the appropriate State agency may request in connection with such application or the project; and to make the assurances as contained above; and to execute such other documents as may be required in connection with the application.

That the **Applicant** has substantially complied or will substantially comply with all Federal, State, and local laws, rules, regulations, ordinances, and funding conditions applicable to the project and to Federal and State grants and loans pertaining thereto.

Adopted this the 13<sup>th</sup> day of April, 2026, at the Lower Cape Fear Water and Sewer Authority, Leland, North Carolina.

Chairman

Scott Phillips

(Title)

(Signature of Chief Executive Officer)

**FORM FOR CERTIFICATION BY THE RECORDING OFFICER**

The undersigned duly qualified and acting Secretary of the Lower Cape Fear Water and Sewer Authority does hereby certify: That the above/attached resolution is a true and correct copy of the resolution authorizing the filing of an application with the State of North Carolina, as regularly adopted at a legally convened meeting of Lower Cape Fear Water and Sewer Authority Board of Directors, duly held on the 13<sup>th</sup> day of April, 2026; and, further, that such resolution has been fully recorded in the journal of proceedings and records in my office. IN WITNESS WHEREOF, I have hereunto set my hand this 13<sup>th</sup> day of April, 2026.

Chakema Clinton-Quintana

(Signature of Recording Officer)

Secretary

(Title of Recording Officer)

## **AGENDA ITEM**

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM HOLLOMAN, EXECUTIVE DIRECTOR

Date: April 13, 2026

Re: Resolution to Approve Memorandum of Understanding with Pender County – Project #2 (Phase 3), 10-Mile Parallel Raw Water Line Project

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**Background:** On March 24, 2023, the Lower Cape Fear Water and Sewer Authority (LCFWASA), Pender County, Cape Fear Public Utility Authority (CFPUA), and Brunswick County entered into an Interlocal Agreement (ILA) for the development of a phased 10-mile parallel raw water line project to enhance regional water system reliability and redundancy.

The project has since been divided into two segments, with Project #2 representing the final phase. Project #2 (Phase 3) includes the construction of approximately 3 miles of parallel raw water transmission main in New Hanover County, extending to the CFPUA Water Meter Vault.

With assistance from HDR Engineering, Inc. and regional partners, LCFWASA executed Lump Sum Proposal No. 1 for material procurement (Steel Coil) Project #2 (Phase 3) and subsequently negotiated Lump Sum Proposal No. 2 with Garney Companies, Inc. for final design and construction for Project #2 (Phase 3). The Board approved the Lump Sum Proposal #2 on March 9, 2026, contingent upon regulatory approvals and partner funding participation.

Due to updated project costs, Pender County's proportional cost share has increased from the original estimate of \$1,521,000 to \$1,880,660.

The proposed Memorandum of Understanding (MOU) between LCFWASA and Pender County formalizes Pender County's acceptance of the revised cost share and establishes the anticipated payment schedule for the remainder of the project.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This Resolution shall be effective upon adoption.

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

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

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

**ATTEST:**

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

## **AGENDA ITEM**

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: April 13, 2026

Re: Executive Director's Report

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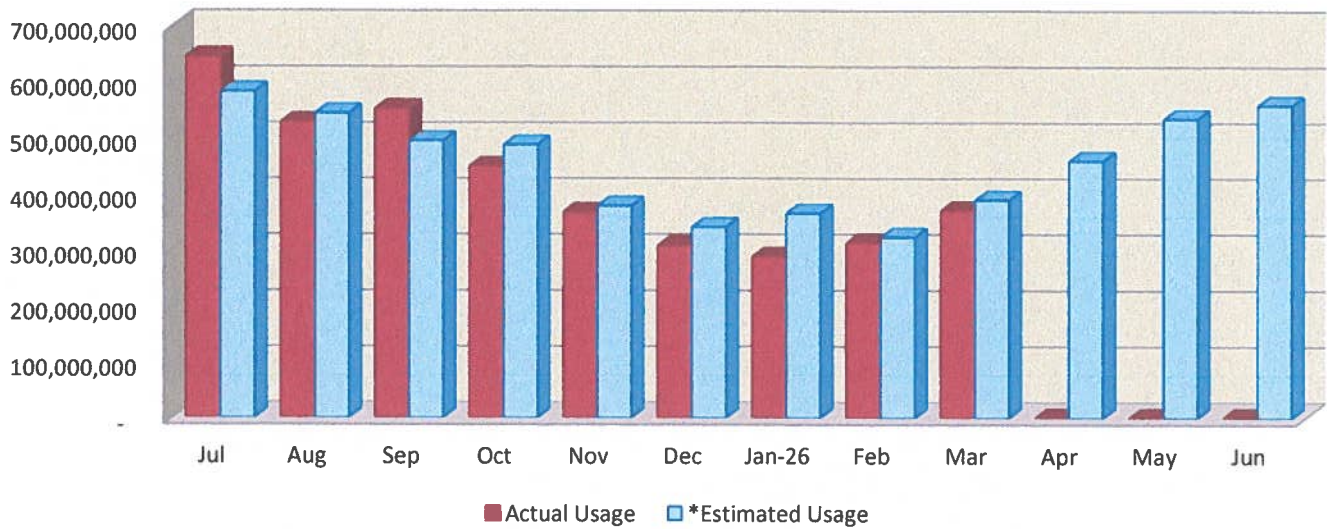
**EDR1** - Comments on Customers' Water Usage and Raw Water Revenue for Fiscal Year to Date Ending March 31, 2026

**EDR2** - Operating Budget Status, Ending February 28, 2026

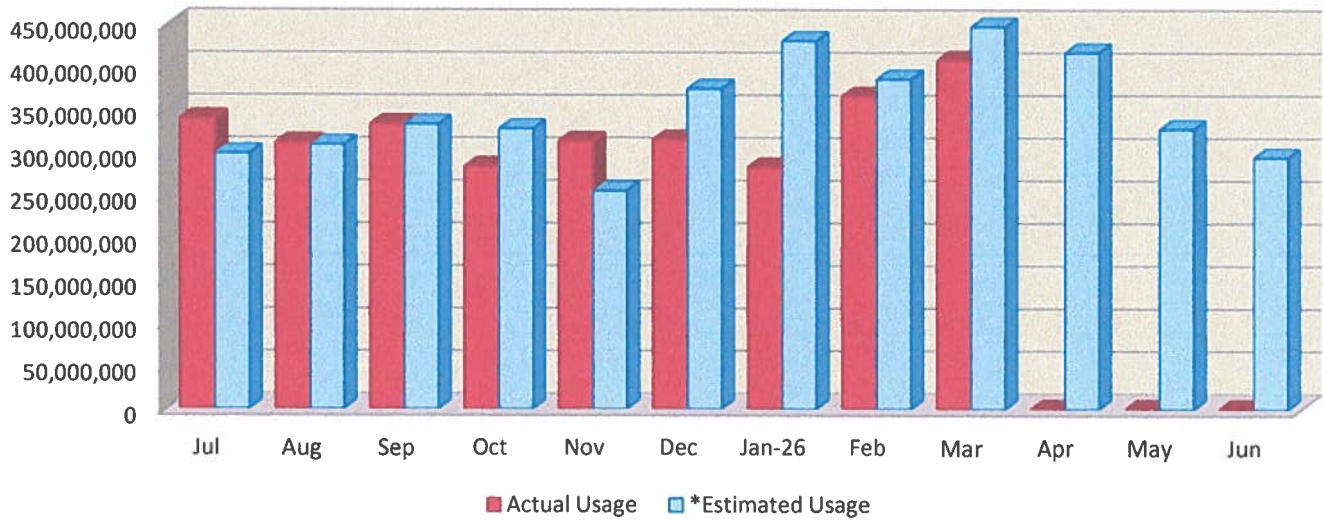
**EDR3** - Summary of Activities

**Action Requested:** For information purposes.

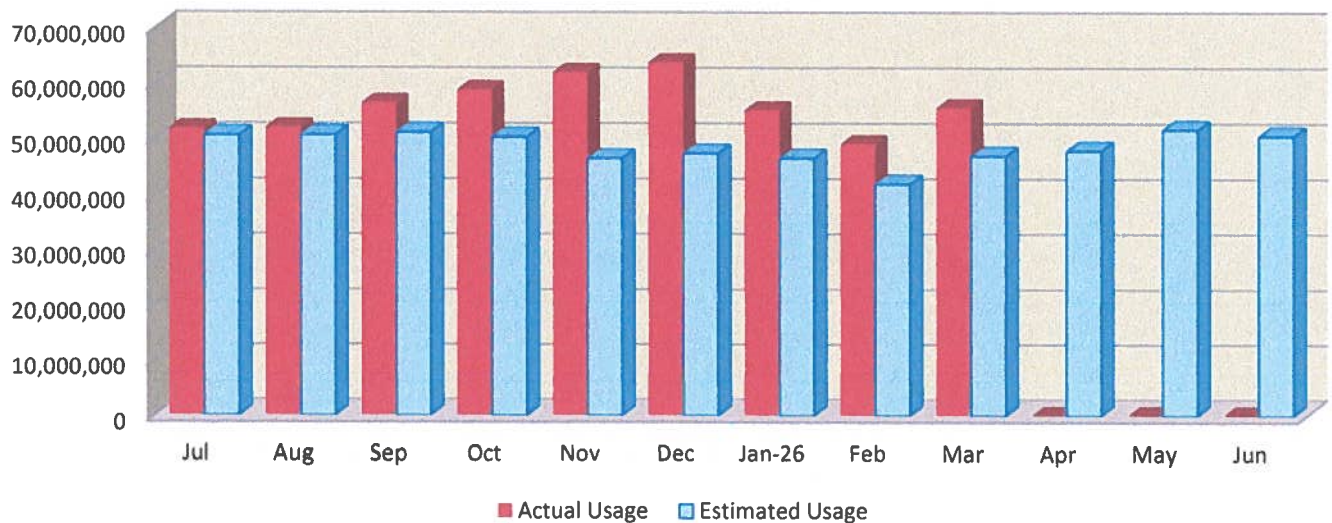
### Brunswick County Water Usage FY 25-26



### 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 - February 28, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 02/28/2026
				KINGS BLUFF	BLADEN BLUFFS		
	<b>OPERATING</b>						
3001-01	Brunswick County	\$ 2,621,733	\$ 2,621,733	\$ 1,655,506	\$ -	\$ 1,655,506	63%
3002-01	Cape Fear Public Utility Authority	\$ 2,022,934	\$ 2,022,934	\$ 1,223,837	\$ -	\$ 1,223,837	60%
3003-03	Pender County	\$ 289,440	\$ 289,440	\$ 215,762	\$ -	\$ 215,762	75%
3004-01	Stepan/Invista	\$ 140,000	\$ 140,000	\$ 121,888	\$ -	\$ 121,888	87%
3005-01	Praxair, Inc	\$ 35,200	\$ 35,200	\$ 16,901	\$ -	\$ 16,901	48%
3006-01	Bladen Bluffs Reimbursement for Plant Operation Costs	\$ 5,670,086	\$ 5,670,086	\$ -	\$ 2,370,784	\$ 2,370,784	42%
3006-02	Bladen Bluffs Administrative Reimbursement	\$ 133,823	\$ 133,823	\$ -	\$ 129,059	\$ 129,059	96%
3007-01	Sales Tax Refund	\$ 159,988	\$ 159,988	\$ -	\$ -	\$ -	0%
	<b>Subtotal</b>	<b>\$ 11,073,204</b>	<b>\$ 11,073,204</b>	<b>\$ 3,233,894</b>	<b>\$ 2,499,844</b>	<b>\$ 5,733,737</b>	<b>52%</b>
	<b>Non-Operating</b>						
3105-01	Interest	\$ 200,000	\$ 200,000	\$ 164,268	\$ -	\$ 164,268	82%
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	\$ 23,736,391	\$ -	\$ 23,736,391	63%
2900-00	Fund Balance Appropriated	\$ -	\$ -	\$ -	\$ -	\$ -	0%
	<b>Subtotal</b>	<b>\$ 37,962,800</b>	<b>\$ 38,712,800</b>	<b>\$ 24,650,659</b>	<b>\$ -</b>	<b>\$ 24,650,659</b>	<b>64%</b>
	<b>TOTAL REVENUES</b>	<b>\$ 49,036,004</b>	<b>\$ 49,786,004</b>	<b>\$ 27,884,553</b>	<b>\$ 2,499,844</b>	<b>\$ 30,384,397</b>	<b>61%</b>

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

ACCOUNT NO.	EXPENDITURES	FY 2025-2026 APPROVED BUDGET		FY 2025-2026 AMENDED BUDGET		July 1 - February 28, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 02/28/2026
						KINGS BLUFF	BLADEN BLUFFS		
	Administration								
4001-01	Salaries	\$ 246,869	\$ 246,869	\$ 246,869	\$ 246,869	\$ 120,267	\$ 49,374	\$ 169,641	69%
4010-01	Per Diem and Mileage Board Members	\$ 64,791	\$ 64,791	\$ 64,791	\$ 64,791	\$ 24,136	\$ 12,958	\$ 37,094	57%
4012-01	Vehicle Allowance	\$ 5,200	\$ 5,200	\$ 5,200	\$ 5,200	\$ 2,560	\$ 1,040	\$ 3,600	69%
4019-01 & 4024-01	FICA Taxes	\$ 24,658	\$ 24,658	\$ 24,658	\$ 24,658	\$ 10,892	\$ 4,932	\$ 15,823	64%
4029-01	Retirement	\$ 36,660	\$ 36,660	\$ 36,660	\$ 36,660	\$ 15,250	\$ 7,332	\$ 22,582	62%
4035-01	401K Plan	\$ 13,912	\$ 13,912	\$ 13,912	\$ 13,912	\$ 5,877	\$ 2,782	\$ 8,659	62%
4036-01	Miscellaneous Payroll Processing Expenses	\$ 2,900	\$ 2,900	\$ 2,900	\$ 2,900	\$ 2,238	\$ -	\$ 2,238	77%
4038-01	Group Insurance	\$ 42,586	\$ 42,586	\$ 42,586	\$ 42,586	\$ 12,225	\$ 8,518	\$ 20,743	49%
4039-01	Property and Liability Insurance	\$ 173,160	\$ 173,160	\$ 173,160	\$ 173,160	\$ 71,071	\$ 34,632	\$ 105,703	61%
4046-00	Professional Services General	\$ 55,000	\$ 55,000	\$ 210,000	\$ 143,364	\$ 43,790	\$ -	\$ 143,364	58%
4046-01	Attorney	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 43,790	\$ -	\$ 43,790	67%
4047-01	Auditor	\$ 9,500	\$ 9,500	\$ 9,500	\$ 9,500	\$ 3,950	\$ 2,800	\$ 6,750	71%
4048-01	Engineer	\$ 150,000	\$ 150,000	\$ 42,500	\$ 27,984	\$ 27,984	\$ -	\$ 27,984	66%
4049-01	Information Technology	\$ 15,000	\$ 15,000	\$ 20,000	\$ 13,075	\$ 13,075	\$ -	\$ 13,075	65%
4050-01	Financial Advisor	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	0%
4055-01	Office Maintenance/Repair/Common Charge	\$ 45,000	\$ 45,000	\$ 45,000	\$ 18,273	\$ 18,273	\$ -	\$ 18,273	41%
4058-01	Office Utilities	\$ 4,000	\$ 4,000	\$ 4,000	\$ 2,243	\$ 2,243	\$ -	\$ 2,243	56%
4059-01	Office Expenses (telephone, Printing, Adv)	\$ 15,000	\$ 15,000	\$ 15,000	\$ 5,277	\$ 5,277	\$ -	\$ 5,277	35%
4062-01	Office Equipment	\$ 30,000	\$ 30,000	\$ 50,000	\$ 34,276	\$ 34,276	\$ -	\$ 34,276	69%
4064-01	Printing and Advertising	\$ 15,500	\$ 15,500	\$ 20,500	\$ 3,540	\$ 3,540	\$ -	\$ 3,540	17%
4065-01	Telephone and Internet	\$ 5,500	\$ 5,500	\$ 7,100	\$ 4,863	\$ 4,863	\$ -	\$ 4,863	68%
4070-01	Travel and Training	\$ 36,000	\$ 36,000	\$ 38,500	\$ 18,064	\$ 18,064	\$ -	\$ 18,064	47%
4070-20	Phone Allowance	\$ 520	\$ 520	\$ 520	\$ 256	\$ 256	\$ 104	\$ 360	69%
4075-01	Vehicle Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4080-01	Miscellaneous Expense	\$ 25,000	\$ 25,000	\$ 25,000	\$ 2,288	\$ 2,288	\$ -	\$ 2,288	9%
4081-01	Dues & Subscription	\$ 12,000	\$ 12,000	\$ 12,000	\$ 8,748	\$ 8,748	\$ -	\$ 8,748	73%
	<b>Subtotal</b>	<b>\$ 1,103,756</b>	<b>\$ 1,185,356</b>	<b>\$ 594,507</b>	<b>\$ 124,472</b>	<b>\$ 718,979</b>			<b>61%</b>

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

ACCOUNT NO.	EXPENDITURES	FY 2025-2026 APPROVED BUDGET	FY 2025-2026 AMENDED BUDGET	July 1 - February 28, 2026 ACTUAL		FY 25-26 TOTAL COMBINED BUDGET	% of Amended Budget As of 02/28/2026
				KINGS BLUFF	BLADEN BLUFFS		
	Operating						
4501-01	Sales Tax Expense	\$ 150,000	\$ 550,000	\$ -	\$ 325,351	\$ 325,351	59%
4510-01	Bladen Bluffs O & M	\$ 3,821,385	\$ 3,416,385	\$ -	\$ 530,871	\$ 530,871	16%
4515-01	Bladen Bluffs Hurricane Florence	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4520-01	Utilities/Energy Kings Bluff	\$ 778,052	\$ 701,452	\$ 399,105	\$ -	\$ 399,105	57%
4530-01	Contract O & M Kings Bluff	\$ 736,811	\$ 736,811	\$ 548,866	\$ -	\$ 548,866	74%
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	\$ -	\$ 282,699	\$ 282,699	59%
	Operating Capital Expense	\$ 10,851,000	\$ 10,851,000	\$ 716,285	\$ -	\$ 716,285	7%
4998-05	Transfer to R&R - Kings Bluff R&R Expense	\$ -	\$ 750,000	\$ 750,000	\$ -	\$ 750,000	100%
	Transfer to R&R - Industrial	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4998-06	Transfer to Enterprise Fund	\$ -	\$ -	\$ -	\$ -	\$ -	0%
2041-01	421 Relocation New Hanover County Loan Principal	\$ -	\$ -	\$ -	\$ -	\$ -	0%
5180-00	SRF/7 mile parallel line expenditures	\$ 30,000,000	\$ 30,000,000	\$ 21,399,759	\$ -	\$ 21,399,759	71%
	Subtotal	\$ 47,932,248	\$ 48,600,648	\$ 23,814,014	\$ 2,253,922	\$ 26,067,936	54%
	<b>TOTAL EXPENDITURES</b>	<b>\$ 49,036,004</b>	<b>\$ 49,786,004</b>	<b>\$ 24,408,521</b>	<b>\$ 2,378,394</b>	<b>\$ 26,786,915</b>	<b>54%</b>

### Executive Director Highlighted Activities:

- Regular Monthly meetings with the Design Build Team and the Owner's Advisor for the parallel line project.
- Golden Bolt Ceremony Conducted
- Worked with the Design Build Team, Pender County, and HDR on problems with the installation and operation of the temporary bypass over the Easter Holiday
- Conducted a tour of KB Plant with the former LCFWASA Director
- Fuquay-Varina IBT meeting: Check in with other agencies
- Routine meetings with HDR concerning projects
- Attended CFPUA Board Meeting
- Began scheduling Directors' Lunch meetings
- NC Rural Water Quarterly Board Meeting
- Meet with Wildan on the annual follow-up procedure
- NC Rural Water Planning Committee meeting
- March 27 Walk Through for Project 2B of the Parallel Line project
- Met with Randy Hudson and Russell Underwood regarding VFD concerns and multiple phone calls
- Reviewed with Russell Underwood the 4<sup>th</sup> pump status, project costs, and payment timelines.
- Continuing work with the Legislative Delegation on the double project funding
- Continued work on IBT Concern
- Submitted Final comments on IBT request prior to April 1<sup>st</sup> Deadline.  
Continued next page

- Attend meeting on Check Dams at the Army Corps of Engineers with CFPUA and Brunswick County
- Hosted the Nature Conservancy meeting to explore additional fish passage options at Lock and Dam number 1 with regional stakeholders.
- Certify BB Monthly Report

## **AGENDA ITEM**

To: CHAIRMAN PHILLIPS AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: April 13, 2026

Re: Closed Session in Accordance with NCGS §143-318.11(a)(6) for  
Personnel Matters respectively

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

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A Closed Session is required in accordance with NCGS §143-318.11(a)(6) for Personnel  
Matters.

A motion is made by \_\_\_\_\_ to go into a closed  
session in accordance with North Carolina General Statute Section 143-  
318.11(a)(6).

The motion is seconded by \_\_\_\_\_.

### **Closed Session**

A motion is made by \_\_\_\_\_ to return to  
open session.

The motion is seconded by \_\_\_\_\_.