

**AGENDA**  
**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**8:45 a.m. – Personnel Committee Meeting**  
**December 11, 2023**

**MEETING CALL TO ORDER:** Chairman Blanchard

**PRESENTATION:** Discuss 2024 Personnel Meeting Calendar

**DISCUSSION:**

1. **Calendar for 2024 twice a year or as needed.**  
February 2024  
August 2024

**ACTION/DIRECTION:** Discussion

**ADJOURNMENT**



## AGENDA

**Lower Cape Fear Water & Sewer Authority**  
**1107 New Pointe Boulevard, Suite # 17, Leland, North Carolina**  
**9:00 a.m. – Regular Monthly Board Meeting**  
**December 11, 2023**

**MEETING CALL TO ORDER:** Chairman Blanchard

**INVOCATION**

**PLEDGE OF ALLEGIANCE**

### APPROVAL OF CONSENT AGENDA

- C1 – Minutes of November 13, 2023, Regular Board Meeting
- C2 – Kings Bluff Monthly Operations and Maintenance Report
- C3 – Bladen Bluffs Monthly Operations and Maintenance Reports
- C4 – Line-Item Adjustment for October 31, 2023

**PRESENTATION** – Overview of the Bladen Bluffs Plant by Robert “Buddy” Harris

### NEW BUSINESS

- NB1 – Election of Authority’s Board of Directors Officers for the term of January 1, 2024, until December 31, 2024
- NB2 – Approval of the Authority’s 2024 Regular Scheduled Meetings Calendar
- NB3 – Consider Southern Software Proposal for Upgraded Financial Software and Maintenance
- NB4 – Consider Budget Amendment to purchase the software and some related hardware.

**ENGINEER’S COMMENTS**

**ATTORNEY COMMENTS**

### EXECUTIVE DIRECTOR REPORT

- EDR1 – Comments on Customers’ Water Usage and Raw Water Revenue for Fiscal Year to Date Ending November 30, 2023
- EDR2 – Operating Budget Status, Ending October 31, 2023
- EDR3 – Summary of Activities
- EDR4 – Proposed Budget Calendar

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

### **PUBLIC COMMENT**

### **CLOSED SESSION**

**CS1** – Closed session pursuant to N.C.G.S. § 143-318.11(a)(3) to discuss with attorney matters within the attorney-client privilege related to the following pending lawsuit:

Cape Fear Public Utility Authority, Brunswick County, Lower Cape Fear Water & Sewer Authority, and Town of Wrightsville Beach v. The Chemours Company FC, LLC, E.I. Du Pont De Nemours and Company, and The Chemours Company

United States District Court for the Eastern District of North Carolina, Case No. 7:17-CV-00195-D and Case No. 7:17-CV-00209-D.

**CS2** – Closed session pursuant to N.C.G.S. § 143-318.11(a)(3) to discuss with our attorney a separate matter within the attorney-client privilege.

### **ADJOURNMENT**

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

## **AGENDA ITEM**

To: CHAIRMAN BLANCHARD AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: December 11, 2023

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 November 13, 2023, Regular Board Meeting

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

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

**C4** – Line-Item Adjustment for October 31, 2023

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

Lower Cape Fear Water & Sewer Authority  
Regular Board Meeting Minutes  
November 13<sup>th</sup>, 2023

Chairman Blanchard called to order the Authority meeting scheduled on November 13<sup>th</sup>, 2023, 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 Blanchard:**

**Present:** Norwood Blanchard, Patrick DeVane, Wayne Edge, Harry Knight, Scott Phillips, Chris Smith, Bill Sue, Phil Tripp, Frank Williams, and Rob Zapple

**Present by Virtual Attendance:** Al Leonard, Jackie Newton, and Charlie Rivenbark

**Absent:** None

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

**Guests Present:** Glenn Walker, Brunswick County Water Resources Manager; John Nichols, Brunswick County Public Utilities Director; James Proctor, Pender County Utilities Deputy Director of Utilities; Ken Waldroup, Cape Fear Public Utility Authority Executive Director; Jorgen Holmberg, Computer Warriors; and Anthony Colon, Pender County Utilities Director of Utilities

**Guests Virtual Attendance:** Aaron Smith, Brunswick County Finance Director; Heidi Cox, NC DEQ Regional Engineering Supervisor; Tom Hendrick, Pender County Utilities Water Treatment Plant Superintendent; Craig Wilson, Cape Fear Public Utility Authority Engineering Manager; Benjamin Kearns, Cape Fear Public Utility Authority Water Recourses Manager Water Treatment; and Richard McClung, Willdan Financial Services

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

**APPROVAL OF CONSENT AGENDA**

- C1 – Minutes of October 9, 2023, Regular Board Meeting**
- C2 – Kings Bluff Monthly Operations and Maintenance Report**
- C3 – Bladen Bluffs Monthly Operations and Maintenance Reports**

**Motion:** Director Zapple **MOVED**; seconded by Director Williams approval of the Consent Agenda Items C1-C3 as presented. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**OLD BUSINESS**

**OB1 – Rate Study-Cost Share Methodology Presentation by Richard McClung**

The presentation is attached to the minutes. John Nichols with Brunswick County Utilities had a few questions and concerns with the rate study. John wanted to confirm that the cost allocation methodologies will be approved at some later date; the first resolution (Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Adopting Recommendations of Water Rate Study Methodology as Sound Fiscal Policy) is approving the study. John Nichols wanted to know when the vote to approve the cost allocation would be for each project. Executive Director Holloman advised that it will be the year of the project or the year before the project.

**OB2 – Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Adopting Recommendations of Water Rate Study Methodology as Sound Fiscal Policy**

Director Williams requested two changes in rhetoric in the resolution. In the statement WHEREAS, the Willdan Study contains recommendations for LCFWASA water rate increases for the 20 years FY 2024 through FY 2043 necessary for LCFWASA to achieve the recommended financial plan, in conjunction with recommended future steps to minimize rate increases. He would request that the word necessary be changed to recommend.

The other change is in the statement: While the Board of Directors is not bound by the recommendations in the aforementioned Willdan Study, the Board hereby adopts the recommendations of the Willdan Study as sound fiscal policy for the purpose of providing guidance to the Board as it establishes LCFWASA's annual budgets and water rates in the future. He would like the word adopts changed to accepts.

**Motion:** Director Williams **MOVED**; seconded by Director Knight, a motion to amendment of verbiage change to the Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Accept Recommendations of Water Rate Study Methodology as Sound Fiscal Policy. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**Motion:** Director Sue **MOVED**; seconded by Director DeVane, approval amended Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Adopting Recommendations of Water Rate Study Methodology as Sound Fiscal Policy. Upon voting, the **MOTION CARRIED**.

**OB3 – Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Adopting Recommendations of Cost Share Methodology as Generated by the Water Rate Study Sound Fiscal Policy**

Director Williams requested three changes in rhetoric in the resolution. In the statement Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Adopting Recommendations of Cost Share Methodology as Generated by the Water Rate Study Sound Fiscal Policy, He would like the word adopting to be changed to accept. The other change is in the statement: While the Board of Directors is not bound by the recommendations in the aforementioned Willdan Study, the Board hereby adopts the recommendations of the Willdan Study as sound fiscal policy for the purpose of providing guidance to the Board as it establishes LCFWASA's annual budgets and water rates in the future. He would like the word adopts changed to accept.

**Motion:** Director Williams **MOVED**; seconded by Director Phillips, motion to amendment of verbiage change to the Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Accept Recommendations of Cost Share Methodology as Generated by the Water Rate Study Sound Fiscal Policy. Upon voting, the **MOTION CARRIED**.

**Motion:** Director Phillips **MOVED**; seconded by Director Knight, approval amended Resolution of the Lower Cape Fear Water and Sewer Authority Board of Directors Accept Recommendations of Cost Share Methodology as Generated by the Water Rate Study Sound Fiscal Policy. Upon voting, the **MOTION CARRIED**.

**OB4 – Amendment to the Professional Services Agreement Between Willdan Financial and Lower Cape Fear Water and Sewer Authority**

The Authority awarded Willdan the work for the Rate and Cost Share Methodology. The scope has been exceeded, and there are additional charges to finish the work and compensate for work already conducted beyond the original scope and meetings expected. The additional charges will be eligible for State Revolving Loan Fund Reimbursement.

**Motion:** Director Knight **MOVED**; seconded by Director Williams, approval Amendment to the Professional Services Agreement Between Willdan Financial and Lower Cape Fear Water and Sewer Authority. Upon voting, the **MOTION CARRIED**.

**NEW BUSINESS**

**NB1 – Demand Automation Reduction Amendment**

The Authority entered the Demand Response Automation Reduction Program in 2010. This is an amendment to the Electric Service Agreement and continued participation in the Rider DRA. Adoption of this agreement ensures continued savings based on our usage.

**Motion:** Director Williams **MOVED**; seconded by Director DeVane, approval of the Demand Automation Reduction Amendment. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NB2 – Engineering Services Proposal Ground Storage Reservoir Feasibility Evaluation**



- A) A Resolution of Lower Cape Fear Water & Sewer Authority Exempting Lower Cape Fear Water & Sewer Authority from The Provisions of N.C.G.S. §143-64.3  
 Director Zapple requested a change in rhetoric in the resolution. He would like the statement. It is anticipated that Pender County, Brunswick County and CFPUA representatives will also be provided a copy for review and comment. Comments received will be incorporated and an updated Draft document will be provided to LCFWASA. For Pender County, Brunswick County, and CFPUA to change to all authority partners.

**Motion:** Director Edge **MOVED**; seconded by Director DeVane, approval of A Resolution of Lower Cape Fear Water & Sewer Authority Exempting Lower Cape Fear Water & Sewer Authority from The Provisions of N.C.G.S. §143-64.31. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

- B) Accept the Proposal for Reservoir Feasibility Evaluation  
 The Authority has received advanced notice of the 30-million-dollar State Budgeted Award for the last 3-mile section of the 10-mile parallel line project, and five million of this is to be used towards the study and possible purchase of land for a 100 MGD reservoir.

**Motion:** Director Edge **MOVED**; seconded by Director DeVane, approval of the Proposal for Reservoir Feasibility Evaluation. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**ENGINEER’S COMMENTS**

Jess Powell updated the board on the Kings Bluff Raw Water Main Phase 2. The Coastal Land Trust is the group that will grant approval of the resolution of condemnation for the easement. That meeting will be on Thursday November 16<sup>th</sup>, 2023, and Mr. Powell will have an update on that for the board in December. The roof replacement design project should be completed this week and advertised the week after Thanksgiving.

**ATTORNEY COMMENTS**

No comments

**EXECUTIVE DIRECTOR REPORT**

**EDR1 – Comments on Customers’ Water Usage and Raw Water Revenue for Fiscal Year to Date Ending October 31, 2023**

Executive Director Holloman reported that during October 2023, Brunswick County and Pender County were above projections.

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

No comments

**PUBLIC COMMENT**

No comments

**ADJOURNMENT**

There being no further business, Chairman Blanchard adjourned the meeting at 10:15 a.m.

Respectfully Submitted:

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 Patrick DeVane Secretary

# Lower Cape Fear WASA

Water Rate Study

R&R and Enterprise Capital Fund Allocation of Contributions

November 13, 2023

Willdan Financial Services

- Rick McClung, MBA, Principal Consultant



1

## Presentation Objectives



- The primary goals and objectives of this presentation include:
  - Allocation of R&R and Enterprise Capital Fund Contributions for those Projects that are Allocated to All Partners
  - Allocation of R&R and Capital Costs by Partner for those Projects that are Allocated to All Partners
  - Determination of Accumulated R&R and Capital Fund Balances After Capital Expenditures (By Partner)



2

2



## Rate Differential Analysis

- The 1.50 Rate Differential for Praxair & Stephan Beginning in FY2025 and Continuing Through the Projection Period is Estimated to Generate More Than Enough Revenues to Pay for Known Capital Projects as Allocated to Stephan and Praxair
- As Discussed at the Last Board Meeting, Staff Will Budget/Track the Differential Revenue to Pay Stephan and Praxair’s Estimated Portion of Capital Projects



3

3

## Projected Water Billing Summary/Percent of Total

	Test Year	Projected For Fiscal Years Ending June 30,								
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Usage (In Gallons)</b>										
Brunswick County	4,314,412	4,745,853	4,827,482	4,910,515	4,994,975	5,080,889	5,168,280	5,257,175	5,347,598	5,439,577
Stephan	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Praxair, Inc.	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
CFPUA	4,131,405	4,172,719	4,214,446	4,256,591	4,299,157	4,342,148	4,385,570	4,429,425	4,473,720	4,518,457
Pender	585,400	597,108	609,050	621,231	633,656	646,329	659,255	672,441	685,889	699,607
<b>Total</b>	<b>9,301,217</b>	<b>9,785,680</b>	<b>9,920,978</b>	<b>10,058,336</b>	<b>10,197,788</b>	<b>10,339,366</b>	<b>10,483,105</b>	<b>10,629,041</b>	<b>10,777,207</b>	<b>10,927,641</b>
<b>Annual Change</b>	<b>(2,184,587)</b>	<b>484,463</b>	<b>135,298</b>	<b>137,358</b>	<b>139,451</b>	<b>141,578</b>	<b>143,739</b>	<b>145,935</b>	<b>148,166</b>	<b>150,434</b>
<b>Percent of Total</b>										
Brunswick County	47.77%	49.87%	50.02%	50.17%	50.31%	50.46%	50.60%	50.75%	50.89%	51.04%
Stephan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Praxair, Inc.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CFPUA	45.75%	43.85%	43.67%	43.49%	43.30%	43.12%	42.94%	42.76%	42.58%	42.40%
Pender	6.48%	6.27%	6.31%	6.35%	6.38%	6.42%	6.45%	6.49%	6.53%	6.56%



4

4

# Projected Water Billing Summary/Percent of Total

	Projected For Fiscal Years Ending June 30,									
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
<b>Usage (in Gallons)</b>										
Brunswick County	5,533,138	5,628,307	5,725,114	5,823,586	5,923,752	6,025,641	6,129,282	6,234,705	6,341,942	6,451,024
Stephan	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Praxair, Inc.	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
CFPUA	4,563,641	4,609,278	4,655,371	4,701,924	4,748,944	4,796,433	4,844,397	4,892,841	4,941,770	4,991,187
Pender	713,599	727,871	742,429	757,277	772,423	787,871	803,629	819,701	836,095	852,817
<b>Total</b>	<b>11,080,378</b>	<b>11,235,457</b>	<b>11,392,914</b>	<b>11,552,788</b>	<b>11,715,118</b>	<b>11,879,945</b>	<b>12,047,308</b>	<b>12,217,248</b>	<b>12,389,807</b>	<b>12,565,028</b>
<b>Annual Change</b>	<b>152,737</b>	<b>155,078</b>	<b>157,457</b>	<b>159,874</b>	<b>162,330</b>	<b>164,826</b>	<b>167,363</b>	<b>169,940</b>	<b>172,559</b>	<b>175,221</b>
<b>Percent of Total</b>										
Brunswick County	51.18%	51.33%	51.47%	51.61%	51.76%	51.90%	52.04%	52.19%	52.33%	52.47%
Stephan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Praxair, Inc.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CFPUA	42.22%	42.03%	41.85%	41.67%	41.49%	41.31%	41.13%	40.95%	40.77%	40.60%
Pender	6.60%	6.64%	6.67%	6.71%	6.75%	6.79%	6.82%	6.86%	6.90%	6.94%



# Capital Improvement Plan (Allocated to All)

	Test Year	Projected For Fiscal Years Ending June 30,									
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Project Costs (Escalated to Future \$)</b>											
New 4th Pump @ King's Bluff PS	ECF	\$ 0	\$ 3,569,750	\$ 1,258,950	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
New 4th Pump @ King's Bluff PS	ECF	225,000	0	0	0	0	0	0	0	0	0
Rebuild High Service Pump Motors	R&R	0	0	0	0	0	0	0	0	0	0
New Generators	R&R	0	0	0	0	0	0	0	0	0	0
Pig 48" Water Main (KBPS to 3 MG Tank)	R&R	0	0	0	0	0	0	0	0	0	0
Pig Future 54" Water Main	R&R	0	0	0	0	0	0	0	0	0	0
Walkway & Air Backwash Building Rplcmt	R&R	0	2,180,000	0	0	0	0	0	0	0	0
Walkway & Air Backwash Building Rplcmt	R&R	226,360	0	0	0	0	0	0	0	0	0
Replace Raw Water Pumps 1, 4, 5	ECF	0	0	0	0	0	4,589,676	0	0	0	0
New Surge Tank at KBPS	ECF	0	0	0	0	0	0	0	0	0	0
5 ROW Acquisitions	ECF	100,000	109,000	0	0	0	0	0	0	0	0
48-Inch PCCP Inspect. and Pig - Grd Tank	R&R	0	0	2,632,350	210,302	0	0	0	0	0	0
48-Inch PCCP Repairs	R&R	0	327,000	0	0	0	0	0	0	0	0
Operating Capital (FY 23/24)	Oper	735,000	0	0	0	0	0	0	0	0	0
<b>TOTAL PROJECTS (ALLOCATED TO ALL)</b>		<b>\$ 1,286,360</b>	<b>\$ 6,185,750</b>	<b>\$ 3,891,300</b>	<b>\$ 210,302</b>	<b>\$ 0</b>	<b>\$ 4,589,676</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
<b>Funding Sources</b>											
Pay-Go Capital		\$ 1,286,360	\$ 436,000	\$ 2,632,350	\$ 210,302	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Debt Service		\$ 0	\$ 5,749,750	\$ 1,258,950	\$ 0	\$ 0	\$ 4,589,676	\$ 0	\$ 0	\$ 0	\$ 0



## Capital Improvement Plan (Allocated to All)

	Projected For Fiscal Years Ending June 30,										
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	
<b>Project Costs (Escalated to Future \$)</b>											
New 4th Pump @ King's Bluff PS	ECF	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
New 4th Pump @ King's Bluff PS	ECF	0	0	0	0	0	0	0	0	0	0
Rebuild High Service Pump Motors	R&R	0	456,693	0	0	0	0	0	0	0	0
New Generators	R&R	2,216,955	19,333,328	0	0	0	0	0	0	0	0
Pig 48" Water Main (KBPS to 3 MG Tank)	R&R	0	0	0	0	0	2,117,728	0	0	0	0
Pig Future 54" Water Main	R&R	1,773,564	0	0	0	0	0	0	0	0	0
Walkway & Air Backwash Building Rplcmt	R&R	0	0	0	0	0	0	0	0	0	0
Walkway & Air Backwash Building Rplcmt	R&R	0	0	0	0	0	0	0	0	0	0
Replace Raw Water Pumps 1, 4, 5	ECF	5,320,693	0	0	5,814,064	0	0	0	0	0	0
New Surge Tank at KBPS	ECF	0	0	0	0	0	0	0	0	0	1,253,470
5 ROW Acquisitions	ECF	0	0	0	0	0	0	0	0	0	0
48-Inch PCCP Inspect. and Pig - Grd Tank	R&R	0	0	0	0	0	0	0	0	0	0
48-Inch PCCP Repairs	R&R	0	0	0	0	0	0	0	0	0	0
Operating Capital (FY 23/24)	Oper	0	0	0	0	0	0	0	0	0	0
<b>TOTAL PROJECTS (ALLOCATED TO ALL)</b>		<b>\$ 9,311,212</b>	<b>\$ 19,790,021</b>	<b>\$ 0</b>	<b>\$ 5,814,064</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,117,728</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,253,470</b>
<b>Funding Sources</b>											
Pay-Go Capital		\$ 1,773,564	\$ 456,693	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,117,728	\$ 0	\$ 0	\$ 1,253,470
Debt Service		\$ 7,537,648	\$ 19,333,328	\$ 0	\$ 5,814,064	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0



## Capital Improvement Plan (Cost Share)

	Test Year	Projected For Fiscal Years Ending June 30,									
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Project Costs (Escalated to Future \$)</b>											
Intermediate Booster PS Shelter (Option 5A)	ECF	\$ 0	\$ 926,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Intermediate Booster PS Upgrade (Option 5A)	R&R	0	0	0	0	0	0	0	0	0	1,578,415
New 5th Pump at King's Bluff (Option 5B)	ECF	0	0	0	0	0	0	0	0	0	0
20 MG Ground Tank (Option 6)	ECF	0	0	0	0	0	0	0	0	0	0
7-Mile 48" Parallel Raw Water Main	ECF	15,000,000	16,350,000	17,247,615	0	0	0	0	0	0	0
3-Mile 48" Parallel Raw Water Main	ECF	0	0	0	15,021,563	15,472,209	0	0	0	0	0
100 MGD Reservoir (Possible Grant Funding)	ECF	0	0	0	0	0	0	8,115,312	47,366,374	0	0
<b>TOTAL PROJECTS (COST SHARING)</b>		<b>\$ 15,000,000</b>	<b>\$ 17,276,500</b>	<b>\$ 17,247,615</b>	<b>\$ 15,021,563</b>	<b>\$ 15,472,209</b>	<b>\$ 0</b>	<b>\$ 8,115,312</b>	<b>\$ 47,366,374</b>	<b>\$ 1,578,415</b>	
<b>Funding Sources</b>											
LCFWSA		\$ 0	\$ 92,650	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 157,841
Brunswick		0	0	0	0	0	0	0	0	0	0
CFPUA		0	730,361	0	0	0	0	0	0	0	1,244,267
Pender		0	103,489	0	0	0	0	0	0	0	176,307
Stephan		0	0	0	0	0	0	0	0	0	0
Praxair		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Grants/ARPA		0	0	0	15,021,563	15,472,209	0	8,115,312	47,366,374	0	0
Already Funded		15,000,000	16,350,000	17,247,615	0	0	0	0	0	0	0



## Capital Improvement Plan (Cost Share)

	Projected For Fiscal Years Ending June 30,										
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	
<b>Project Costs (Escalated to Future \$)</b>											
Intermediate Booster PS Shelter (Option 5A)	ECF	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Intermediate Booster PS Upgrade (Option 5A)	R&R	11,084,776	0	0	0	0	0	0	0	0	0
New 5th Pump at King's Bluff (Option 5B)	ECF	0	0	0	0	0	0	0	0	0	0
20 MG Ground Tank (Option 6)	ECF	0	0	5,487,925	18,249,702	0	0	0	0	0	0
7-Mile 48" Parallel Raw Water Main	ECF	0	0	0	0	0	0	0	0	0	0
3-Mile 48" Parallel Raw Water Main	ECF	0	0	0	0	0	0	0	0	0	0
100 MGD Reservoir (Possible Grant Funding)	ECF	0	0	0	0	0	0	0	0	0	0
<b>TOTAL PROJECTS (COST SHARING)</b>		<b>\$11,084,776</b>	<b>\$ 0</b>	<b>\$ 5,487,925</b>	<b>\$18,249,702</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
<b>Funding Sources</b>											
LCFWSA		\$ 1,108,478	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Brunswick		0	0	2,133,891	7,096,101	0	0	0	0	0	0
CFPUA		8,738,146	0	2,897,307	9,634,787	0	0	0	0	0	0
Pender		1,238,153	0	456,727	1,518,814	0	0	0	0	0	0
Stephan		0	0	0	0	0	0	0	0	0	0
Praxair		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Grants/ARPA		0	0	0	0	0	0	0	0	0	0
Already Funded		0	0	0	0	0	0	0	0	0	0



## Revised Projected Operating Results With Allocation of R&R and ECF Contributions and Expenditures

- The following 2 slides show the revised Projected Operating Results and additional slides that show the allocation of R&R and Enterprise Capital Fund (ECF) Contributions, Expenditures and Remaining Balances by Partner in each fund for those projects in the M&C CIP that are allocated to All Partners
- The allocation of capital costs under the various Cost Share options have negligible impact on the Projected Operating Results in the Rate Study analysis.
- *The Rate Study Analysis/Methodology and Cost Share Methodology should be addressed and approved separately.*





## Projected Operating Results Summary

	Test Year	Projected For Fiscal Years Ending June 30,								
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Total Water Charge Revenue	\$ 3,720,487	\$ 4,365,099	\$ 4,826,870	\$ 5,300,535	\$ 5,786,361	\$ 6,284,620	\$ 6,795,587	\$ 7,319,548	\$ 7,747,667	\$ 8,186,354
Proposed Water Rate Increase	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.03	\$ 0.03
Effective Increase In Revenues	11.1%	11.5%	9.1%	8.3%	7.7%	7.1%	6.7%	6.3%	4.4%	4.2%
Total Other/Non Oper. Revenues	\$ 314,718	\$ 330,422	\$ 346,353	\$ 358,670	\$ 367,824	\$ 377,320	\$ 387,152	\$ 397,349	\$ 407,935	\$ 418,909
<b>TOTAL REVENUES</b>	<b>\$ 4,035,205</b>	<b>\$ 4,695,521</b>	<b>\$ 5,173,222</b>	<b>\$ 5,659,205</b>	<b>\$ 6,154,186</b>	<b>\$ 6,661,940</b>	<b>\$ 7,182,740</b>	<b>\$ 7,716,896</b>	<b>\$ 8,155,602</b>	<b>\$ 8,605,263</b>
Operating/Administration Expenses	\$ 2,551,317	\$ 2,728,290	\$ 2,895,010	\$ 3,034,740	\$ 3,145,690	\$ 3,261,130	\$ 3,381,170	\$ 3,506,040	\$ 3,635,990	\$ 3,771,210
Income Available for Debt Service	\$ 1,483,887	\$ 1,967,231	\$ 2,278,212	\$ 2,624,465	\$ 3,008,496	\$ 3,400,810	\$ 3,801,570	\$ 4,210,856	\$ 4,519,612	\$ 4,834,053
Debt Service	\$ -	\$ 281,198	\$ 562,396	\$ 562,396	\$ 562,396	\$ 746,540	\$ 930,684	\$ 930,684	\$ 930,684	\$ 930,684
Debt Service Coverage	N/A	7.00	4.05	4.67	5.35	4.56	4.08	4.52	4.86	5.19
Total Other Expenses/Transfers	\$ (1,480,000)	\$ (1,642,650)	\$ (1,700,000)	\$ (2,050,000)	\$ (2,425,000)	\$ (2,400,000)	\$ (2,700,000)	\$ (3,050,000)	\$ (3,250,000)	\$ (3,657,841)
Net Income	\$ 3,887	\$ 43,383	\$ 15,816	\$ 12,069	\$ 21,099	\$ 254,270	\$ 170,886	\$ 230,173	\$ 338,928	\$ 245,528
Total Funds Available-Operating Fund	\$ 2,903,887	\$ 2,947,270	\$ 2,963,086	\$ 2,975,155	\$ 2,996,254	\$ 3,250,524	\$ 3,421,410	\$ 3,651,583	\$ 3,990,511	\$ 4,236,039
Working Capital in Enterprise Fund	15.00	14.00	13.00	13.00	12.00	13.00	13.00	14.00	14.00	15.00
Total Funds Available-R&R Fund	\$ 536,951	\$ 1,559,951	\$ 377,601	\$ 1,367,299	\$ 2,967,299	\$ 4,167,299	\$ 5,167,299	\$ 5,467,299	\$ 5,467,299	\$ 5,467,299
Total Funds Available-Ent. Cap.Fund	\$ 381,406	\$ 472,406	\$ 722,406	\$ 1,572,406	\$ 2,397,406	\$ 3,597,406	\$ 5,297,406	\$ 8,047,406	\$ 11,297,406	\$ 14,797,406
Total R&R and Capital Funds	\$ 918,357	\$ 2,032,357	\$ 1,100,007	\$ 2,939,705	\$ 5,364,705	\$ 7,764,705	\$ 10,464,705	\$ 13,514,705	\$ 16,764,705	\$ 20,264,705
Working Capital (R&R/Capital Funds)	5.00	10.00	5.00	13.00	22.00	31.00	41.00	51.00	60.00	70.00

11

## Projected Operating Results Summary

	Projected For Fiscal Years Ending June 30,									
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Total Water Charge Revenue	\$ 8,635,841	\$ 9,096,365	\$ 9,568,168	\$ 10,051,498	\$ 10,546,605	\$ 11,053,749	\$ 11,451,369	\$ 11,858,158	\$ 12,274,311	\$ 12,700,028
Proposed Water Rate Increase	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02
Effective Increase In Revenues	4.1%	3.9%	3.6%	3.6%	3.5%	3.4%	2.2%	2.1%	2.1%	2.0%
Total Other/Non Oper. Revenues	\$ 430,293	\$ 442,089	\$ 454,330	\$ 467,030	\$ 480,206	\$ 493,873	\$ 508,059	\$ 522,772	\$ 538,036	\$ 553,883
<b>TOTAL REVENUES</b>	<b>\$ 9,066,134</b>	<b>\$ 9,538,454</b>	<b>\$ 10,022,499</b>	<b>\$ 10,518,527</b>	<b>\$ 11,026,811</b>	<b>\$ 11,547,623</b>	<b>\$ 11,959,428</b>	<b>\$ 12,380,930</b>	<b>\$ 12,812,347</b>	<b>\$ 13,253,911</b>
Operating/Administration Expenses	\$ 3,911,890	\$ 4,058,270	\$ 4,210,630	\$ 4,369,210	\$ 4,534,290	\$ 4,706,100	\$ 4,884,970	\$ 5,071,210	\$ 5,265,140	\$ 5,467,100
Income Available for Debt Service	\$ 5,154,244	\$ 5,480,184	\$ 5,811,869	\$ 6,149,317	\$ 6,492,521	\$ 6,841,523	\$ 7,074,458	\$ 7,309,720	\$ 7,547,207	\$ 7,786,811
Debt Service	\$ 2,008,782	\$ 3,086,880	\$ 3,086,880	\$ 3,320,148	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416
Debt Service Coverage	2.57	1.78	1.88	1.85	1.83	1.93	1.99	2.06	2.12	2.19
Total Other Expenses/Transfers	\$ (2,958,478)	\$ (2,250,000)	\$ (2,550,000)	\$ (2,650,000)	\$ (2,700,000)	\$ (2,950,000)	\$ (3,300,000)	\$ (3,550,000)	\$ (3,750,000)	\$ (4,000,000)
Net Income	\$ 186,984	\$ 143,304	\$ 174,988	\$ 179,169	\$ 239,105	\$ 338,107	\$ 221,042	\$ 206,304	\$ 243,791	\$ 233,395
Total Funds Available-Operating Fund	\$ 4,423,023	\$ 4,566,327	\$ 4,741,315	\$ 4,920,484	\$ 5,159,590	\$ 5,497,696	\$ 5,718,738	\$ 5,925,042	\$ 6,168,833	\$ 6,402,228
Working Capital in Enterprise Fund	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Total Funds Available-R&R Fund	\$ 4,093,735	\$ 4,637,042	\$ 4,887,042	\$ 5,137,042	\$ 6,337,042	\$ 6,587,042	\$ 5,569,314	\$ 6,719,314	\$ 8,219,314	\$ 9,219,314
Total Funds Available-Ent. Cap.Fund	\$ 16,247,406	\$ 17,497,406	\$ 19,797,406	\$ 22,197,406	\$ 23,697,406	\$ 26,397,406	\$ 28,597,406	\$ 30,997,406	\$ 33,247,406	\$ 34,993,936
Total R&R and Capital Funds	\$ 20,341,141	\$ 22,134,448	\$ 24,684,448	\$ 27,334,448	\$ 30,034,448	\$ 32,984,448	\$ 34,166,720	\$ 37,716,720	\$ 41,466,720	\$ 44,213,249
Working Capital (R&R/Capital Funds)	68.00	71.00	77.00	82.00	87.00	92.00	92.00	97.00	103.00	106.00

12

# Allocation of R&R Contributions and Expenditures

	Projected For Fiscal Years Ending June 30,									
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>R&amp;R Contributions/Expenditures</b>										
<b>Annual Contributions Allocated by Annual Usage</b>										
Brunswick County	\$ 364,651	\$ 673,299	\$ 725,299	\$ 602,004	\$ 805,009	\$ 605,507	\$ 506,044	\$ 152,249	\$ -	\$ -
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 349,183	\$ 591,988	\$ 633,195	\$ 521,836	\$ 692,868	\$ 517,468	\$ 429,406	\$ 128,277	\$ -	\$ -
Pender	\$ 49,478	\$ 84,712	\$ 91,506	\$ 76,160	\$ 102,122	\$ 77,025	\$ 64,550	\$ 19,474	\$ -	\$ -
<b>Total</b>	<b>\$ 763,311</b>	<b>\$ 1,350,000</b>	<b>\$ 1,450,000</b>	<b>\$ 1,200,000</b>	<b>\$ 1,600,000</b>	<b>\$ 1,200,000</b>	<b>\$ 1,000,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Allocation of R&amp;R Project Costs by Annual Usage</b>										
Brunswick County	\$ 108,137	\$ 163,088	\$ 1,316,719	\$ 105,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 103,550	\$ 143,393	\$ 1,149,510	\$ 91,453	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pender	\$ 14,673	\$ 20,519	\$ 166,121	\$ 13,347	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 226,360</b>	<b>\$ 327,000</b>	<b>\$ 2,632,350</b>	<b>\$ 210,302</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Cumulative R&amp;R Contributions Less R&amp;R Expenses</b>										
Brunswick County	\$ 256,513	\$ 766,725	\$ 175,306	\$ 671,807	\$ 1,476,817	\$ 2,082,323	\$ 2,588,367	\$ 2,740,616	\$ 2,740,616	\$ 2,740,616
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 245,633	\$ 694,228	\$ 177,913	\$ 608,296	\$ 1,301,165	\$ 1,818,633	\$ 2,248,039	\$ 2,376,316	\$ 2,376,316	\$ 2,376,316
Pender	\$ 34,805	\$ 98,998	\$ 24,383	\$ 87,195	\$ 189,318	\$ 266,343	\$ 330,893	\$ 350,367	\$ 350,367	\$ 350,367
<b>Total</b>	<b>\$ 536,951</b>	<b>\$ 1,559,951</b>	<b>\$ 377,601</b>	<b>\$ 1,367,299</b>	<b>\$ 2,967,299</b>	<b>\$ 4,167,299</b>	<b>\$ 5,167,299</b>	<b>\$ 5,467,299</b>	<b>\$ 5,467,299</b>	<b>\$ 5,467,299</b>



# Allocation of R&R Contributions and Expenditures

	Projected For Fiscal Years Ending June 30,									
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
<b>R&amp;R Contributions/Expenditures</b>										
<b>Annual Contributions Allocated by Annual Usage</b>										
Brunswick County	\$ 204,734	\$ 513,276	\$ 128,678	\$ 129,037	\$ 621,095	\$ 129,752	\$ 572,475	\$ 600,131	\$ 784,906	\$ 524,686
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 168,861	\$ 420,345	\$ 104,635	\$ 104,184	\$ 497,918	\$ 103,283	\$ 452,466	\$ 470,968	\$ 611,615	\$ 405,952
Pender	\$ 26,404	\$ 66,379	\$ 16,687	\$ 16,779	\$ 80,987	\$ 16,965	\$ 75,059	\$ 78,902	\$ 103,479	\$ 69,363
<b>Total</b>	<b>\$ 400,000</b>	<b>\$ 1,000,000</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 1,200,000</b>	<b>\$ 250,000</b>	<b>\$ 1,100,000</b>	<b>\$ 1,150,000</b>	<b>\$ 1,500,000</b>	<b>\$ 1,000,000</b>
<b>Allocation of R&amp;R Project Costs by Annual Usage</b>										
Brunswick County	\$ 907,773	\$ 234,410	\$ -	\$ -	\$ -	\$ -	\$ 1,102,133	\$ -	\$ -	\$ -
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 748,717	\$ 191,969	\$ -	\$ -	\$ -	\$ -	\$ 871,092	\$ -	\$ -	\$ -
Pender	\$ 117,074	\$ 30,315	\$ -	\$ -	\$ -	\$ -	\$ 144,504	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 1,773,564</b>	<b>\$ 456,693</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,117,728</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Cumulative R&amp;R Contributions Less R&amp;R Expenses</b>										
Brunswick County	\$ 2,037,577	\$ 2,316,443	\$ 2,445,122	\$ 2,574,159	\$ 3,195,253	\$ 3,325,005	\$ 2,795,347	\$ 3,395,478	\$ 4,180,384	\$ 4,705,070
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 1,796,461	\$ 2,024,838	\$ 2,129,472	\$ 2,233,656	\$ 2,731,574	\$ 2,834,857	\$ 2,416,231	\$ 2,887,199	\$ 3,498,814	\$ 3,904,766
Pender	\$ 259,697	\$ 295,761	\$ 312,448	\$ 329,228	\$ 410,215	\$ 427,180	\$ 357,735	\$ 436,637	\$ 540,115	\$ 609,478
<b>Total</b>	<b>\$ 4,093,735</b>	<b>\$ 4,637,042</b>	<b>\$ 4,887,042</b>	<b>\$ 5,137,042</b>	<b>\$ 6,337,042</b>	<b>\$ 6,587,042</b>	<b>\$ 5,569,314</b>	<b>\$ 6,719,314</b>	<b>\$ 8,219,314</b>	<b>\$ 9,219,314</b>





# Allocation of ECF Contributions and Expenditures

	Projected For Fiscal Years Ending June 30,										
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Enterprise Cap. Fund Contributions/Expenditures</b>											
<b>Annual Contributions Allocated by Annual Usage</b>											
Brunswick County	\$ 337,466	\$ 99,748	\$ 125,052	\$ 426,419	\$ 415,083	\$ 605,507	\$ 860,275	\$ 1,395,615	\$ 1,654,074	\$ 1,786,373	
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CFPUA	\$ 323,151	\$ 87,702	\$ 109,171	\$ 369,634	\$ 357,260	\$ 517,468	\$ 729,990	\$ 1,175,873	\$ 1,383,773	\$ 1,483,874	
Pender	\$ 45,789	\$ 12,550	\$ 15,777	\$ 53,946	\$ 52,657	\$ 77,025	\$ 109,735	\$ 178,512	\$ 212,153	\$ 229,753	
<b>Total</b>	<b>\$ 706,406</b>	<b>\$ 200,000</b>	<b>\$ 250,000</b>	<b>\$ 850,000</b>	<b>\$ 825,000</b>	<b>\$ 1,200,000</b>	<b>\$ 1,700,000</b>	<b>\$ 2,750,000</b>	<b>\$ 3,250,000</b>	<b>\$ 3,500,000</b>	
<b>Allocation of ECF Project Costs by Annual Usage</b>											
Brunswick County	\$ 155,260	\$ 54,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CFPUA	\$ 148,674	\$ 47,798	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Pender	\$ 21,066	\$ 6,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Total</b>	<b>\$ 325,000</b>	<b>\$ 109,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>Cumulative ECF Contributions Less ECF Expenses</b>											
Brunswick County	\$ 182,206	\$ 227,591	\$ 352,643	\$ 779,063	\$ 1,194,145	\$ 1,799,652	\$ 2,659,927	\$ 4,055,541	\$ 5,709,615	\$ 7,495,988	
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CFPUA	\$ 174,477	\$ 214,382	\$ 323,553	\$ 693,187	\$ 1,050,447	\$ 1,567,916	\$ 2,297,906	\$ 3,473,779	\$ 4,857,552	\$ 6,341,427	
Pender	\$ 24,723	\$ 30,433	\$ 46,210	\$ 100,156	\$ 152,813	\$ 229,838	\$ 339,573	\$ 518,085	\$ 730,239	\$ 959,992	
<b>Total</b>	<b>\$ 381,406</b>	<b>\$ 472,406</b>	<b>\$ 722,406</b>	<b>\$ 1,572,406</b>	<b>\$ 2,397,406</b>	<b>\$ 3,597,406</b>	<b>\$ 5,297,406</b>	<b>\$ 8,047,406</b>	<b>\$ 11,297,406</b>	<b>\$ 14,797,406</b>	



# Allocation of ECF Contributions and Expenditures

	Projected For Fiscal Years Ending June 30,									
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
<b>Enterprise Cap. Fund Contributions/Expenditures</b>										
<b>Annual Contributions Allocated by Annual Usage</b>										
Brunswick County	\$ 742,162	\$ 641,595	\$ 1,183,841	\$ 1,238,755	\$ 776,368	\$ 1,401,318	\$ 1,144,949	\$ 1,252,447	\$ 1,177,359	\$ 1,574,057
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 612,123	\$ 525,432	\$ 962,639	\$ 1,000,162	\$ 622,398	\$ 1,115,455	\$ 904,933	\$ 982,889	\$ 917,422	\$ 1,217,855
Pender	\$ 95,715	\$ 82,973	\$ 153,520	\$ 161,083	\$ 101,234	\$ 183,227	\$ 150,118	\$ 164,664	\$ 155,218	\$ 208,088
<b>Total</b>	<b>\$ 1,450,000</b>	<b>\$ 1,250,000</b>	<b>\$ 2,300,000</b>	<b>\$ 2,400,000</b>	<b>\$ 1,500,000</b>	<b>\$ 2,700,000</b>	<b>\$ 2,200,000</b>	<b>\$ 2,400,000</b>	<b>\$ 2,250,000</b>	<b>\$ 3,000,000</b>
<b>Allocation of ECF Project Costs by Annual Usage</b>										
Brunswick County	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 657,678
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 508,848
Pender	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,944
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,253,470</b>
<b>Cumulative ECF Contributions Less ECF Expenses</b>										
Brunswick County	\$ 8,238,150	\$ 8,879,745	\$ 10,063,586	\$ 11,302,341	\$ 12,078,709	\$ 13,480,027	\$ 14,624,977	\$ 15,877,424	\$ 17,054,783	\$ 17,971,162
Stephan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Praxair, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CFPUA	\$ 6,953,550	\$ 7,478,981	\$ 8,441,620	\$ 9,441,783	\$ 10,064,180	\$ 11,179,635	\$ 12,084,568	\$ 13,067,457	\$ 13,984,879	\$ 14,693,886
Pender	\$ 1,055,707	\$ 1,138,680	\$ 1,292,200	\$ 1,453,283	\$ 1,554,517	\$ 1,737,743	\$ 1,887,861	\$ 2,052,525	\$ 2,207,744	\$ 2,328,888
<b>Total</b>	<b>\$ 16,247,406</b>	<b>\$ 17,497,406</b>	<b>\$ 19,797,406</b>	<b>\$ 22,197,406</b>	<b>\$ 23,697,406</b>	<b>\$ 26,397,406</b>	<b>\$ 28,597,406</b>	<b>\$ 30,997,406</b>	<b>\$ 33,247,406</b>	<b>\$ 34,993,936</b>



## Review of Cost Share Methodology Options\*\*

- **Cost Share Projects – Allocations Analyzed:**
  - Option 1: Allocation Based on Annual Usage (All Partners)
  - Option 2: Allocation Based on Capacity (All Partners)
  - Option 3: Allocation Based on Annual Usage (Without Praxair/Stephan)
  - Option 4: Allocation Based on Capacity (Without Praxair/Stephan)
  - Option 5A: Allocation Based on Annual Usage (Excluding BC, Praxair, Stephan. With LCFWASA)
  - Option 5B: Allocation Based on Annual Usage (All Partners Except Praxair/Stephan. With LCFWASA)
  - Option 6: Based on McKim & Creed Method based on Capacity- Excludes Praxair & Stephan

\*\* Cost Sharing of Projects Would Only be Needed Until Authority Becomes Self-Sufficient (Monies Set Aside in R&R and Enterprise Capital Funds)



## Summary of Cost Share Project Allocations (%)

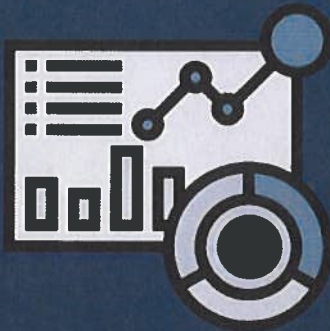
Description	Total	Brunswick	CFPUA	Pender	Praxair	Stephan	LCFWASA
<b>Allocation Percentages by Option</b>							
Option 1 (Annual Usage - All Partners)	100.00%	46.39%	44.42%	6.29%	0.22%	2.69%	0.00%
Option 2 (Capacity - All Partners)	100.00%	52.08%	39.58%	6.25%	1.04%	1.04%	0.00%
Option 3 (Annual Usage - No Praxair/Stephan)	100.00%	47.77%	45.75%	6.48%	0.00%	0.00%	0.00%
Option 4 (Capacity - No Praxair/Stephan)	100.00%	53.19%	40.43%	6.38%	0.00%	0.00%	0.00%
Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	100.00%	0.00%	78.83%	11.17%	0.00%	0.00%	10.00%
Option 5B (Annual Usage - With LCFWASA & Brunswick)	100.00%	42.99%	41.18%	5.83%	0.00%	0.00%	10.00%
Option 6 (M&C Utilization Method Based on Capacity)	100.00%	38.88%	52.79%	8.32%	0.00%	0.00%	0.00%



## Summary of Cost Share Options (\$)

Description	Total	Brunswick	CFPUA	Pender	Praxair	Stephan	LCFWASA
<b>Allocated Project Costs by Cost Share Option</b>							
<b>Intermediate Booster PS Shelter (Option 5A)</b>							
Option 1 (Annual Usage - All Partners)	\$ 926,528	\$ 429,757	\$ 411,533	\$ 58,277	\$ 2,038	\$ 24,923	\$ -
Option 2 (Capacity - All Partners)	\$ 926,500	\$ 482,549	\$ 366,736	\$ 57,906	\$ 9,654	\$ 9,654	\$ -
Option 3 (Annual Usage - No Praxair/Stephan)	\$ 926,500	\$ 442,589	\$ 423,874	\$ 60,037	\$ -	\$ -	\$ -
Option 4 (Capacity - No Praxair/Stephan)	\$ 926,500	\$ 492,805	\$ 374,584	\$ 59,111	\$ -	\$ -	\$ -
Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	\$ 926,500	\$ -	\$ 730,361	\$ 103,489	\$ -	\$ -	\$ 92,650
Option 5B (Annual Usage - With LCFWASA & With Brunswick)	\$ 926,500	\$ 398,330	\$ 381,486	\$ 54,033	\$ -	\$ -	\$ 92,650
Option 6 (M&C Utilization Method Based on Capacity)	\$ 926,500	\$ 360,255	\$ 489,138	\$ 77,107	\$ -	\$ -	\$ -
<b>Intermediate Booster PS Upgrade (Option 5A)</b>							
Option 1 (Annual Usage - All Partners)	\$ 12,663,571	\$ 5,873,821	\$ 5,624,736	\$ 796,515	\$ 27,859	\$ 340,640	\$ -
Option 2 (Capacity - All Partners)	\$ 12,663,191	\$ 6,595,370	\$ 5,012,471	\$ 791,449	\$ 131,950	\$ 131,950	\$ -
Option 3 (Annual Usage - No Praxair/Stephan)	\$ 12,663,191	\$ 6,049,206	\$ 5,793,410	\$ 820,575	\$ -	\$ -	\$ -
Option 4 (Capacity - No Praxair/Stephan)	\$ 12,663,191	\$ 6,735,551	\$ 5,119,728	\$ 807,912	\$ -	\$ -	\$ -
Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	\$ 12,663,191	\$ -	\$ 9,982,413	\$ 1,414,459	\$ -	\$ -	\$ 1,266,319
Option 5B (Annual Usage - With LCFWASA & With Brunswick)	\$ 12,663,191	\$ 5,444,286	\$ 5,214,069	\$ 738,517	\$ -	\$ -	\$ 1,266,319
Option 6 (M&C Utilization Method Based on Capacity)	\$ 12,663,191	\$ 4,923,877	\$ 6,685,432	\$ 1,053,882	\$ -	\$ -	\$ -
<b>20 MG Ground Tank (Option 5B)</b>							
Option 1 (Annual Usage - All Partners)	\$ 23,737,339	\$ 11,010,698	\$ 10,543,779	\$ 1,493,097	\$ 52,223	\$ 638,542	\$ -
Option 2 (Capacity - All Partners)	\$ 23,737,627	\$ 12,363,268	\$ 9,396,065	\$ 1,483,602	\$ 247,346	\$ 247,346	\$ -
Option 3 (Annual Usage - No Praxair/Stephan)	\$ 23,737,627	\$ 11,339,465	\$ 10,859,965	\$ 1,538,198	\$ -	\$ -	\$ -
Option 4 (Capacity - No Praxair/Stephan)	\$ 23,737,627	\$ 12,626,044	\$ 9,597,123	\$ 1,514,461	\$ -	\$ -	\$ -
Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	\$ 23,737,627	\$ -	\$ 18,712,407	\$ 2,651,457	\$ -	\$ -	\$ 2,373,763
Option 5B (Annual Usage - With LCFWASA & With Brunswick)	\$ 23,737,627	\$ 10,205,518	\$ 9,773,968	\$ 1,384,378	\$ -	\$ -	\$ 2,373,763
Option 6 (M&C Utilization Method Based on Capacity)	\$ 23,737,627	\$ 9,229,992	\$ 12,532,094	\$ 1,975,542	\$ -	\$ -	\$ -

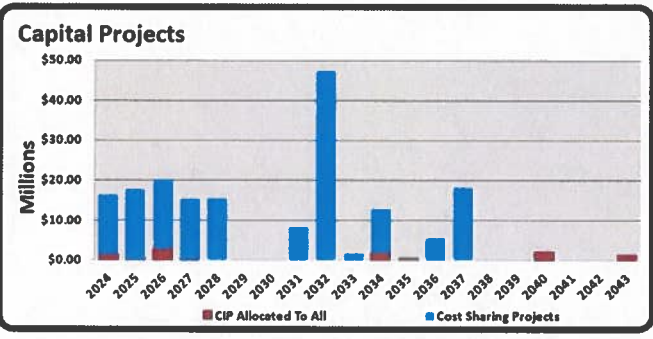
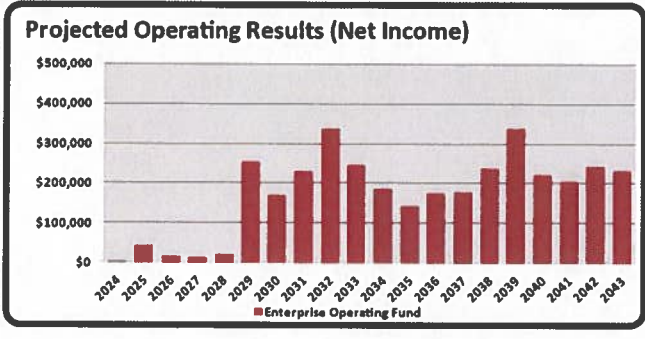
## Revised Financial Dashboards



- The Dashboard illustrates multiple Key Performance Indicators & Other Pertinent Information Including:
  - Annual Capital Expenditures
  - Projected Operating Results or Net Income (Revenues less O&M, Debt Service & Transfers)
  - Calculated Debt Service Coverage vs. Required & Targeted Levels (Liquidity)
  - Operating, R&R and Enterprise Capital Fund Balances Over Time (Months Cash on Hand or Liquidity)

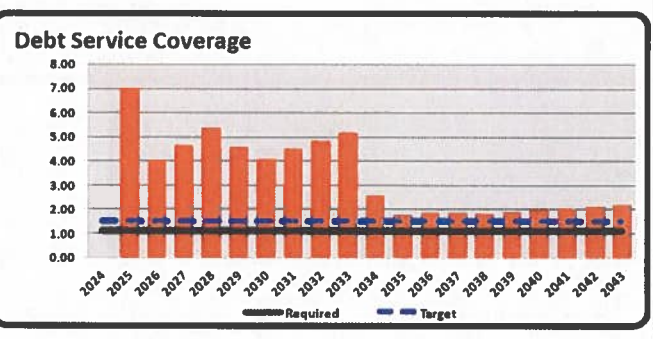
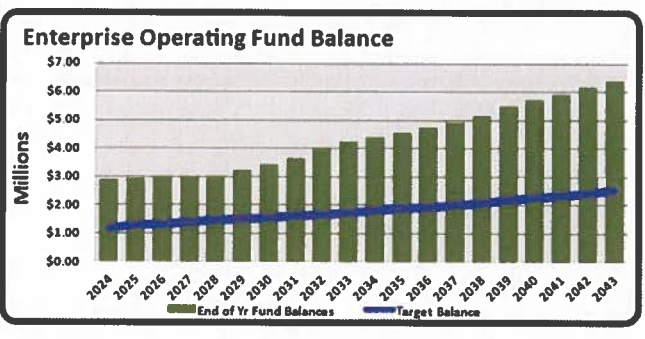


# Water System Dashboard



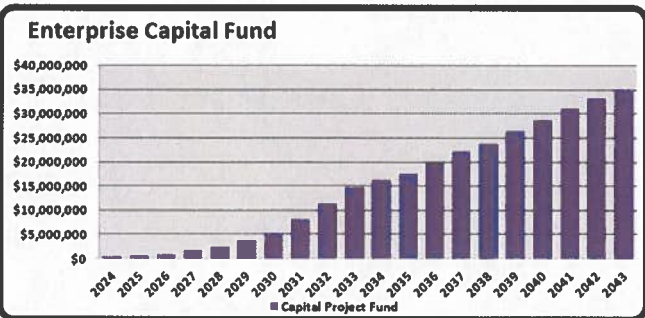
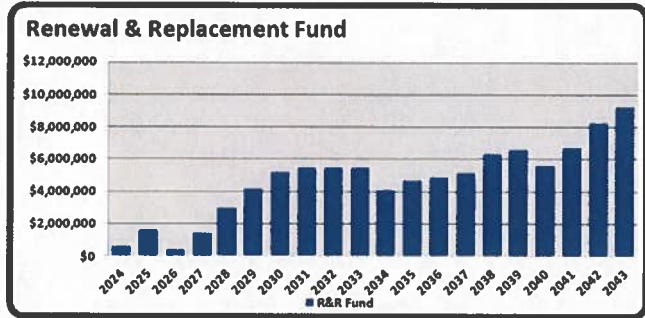
21

# Water System Dashboard



22

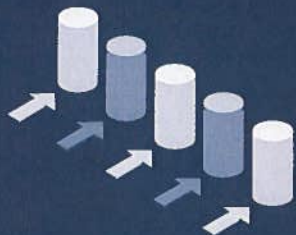
# Water System Dashboard



## Future Steps Following This Study

- Continue to Apply for State/Federal Grants & Matching Funds.
- Continue to Apply for State Revolving Loans with Lower Interest Costs Than Revenue Bonds.
- Hire a Municipal Advisor to Assist in Future Debt Issuances (FY 2024)
- Continue to Monitor Annually/Bi-Annually Future Costs of Capital Projects & Update Rate Study Analysis as Needed
- Allowing for Direct Individual Invoicing to LCFWASA Reducing O&M Overhead and Allowing Authority to Realize Sales Tax Receipts. This is the Same Methodology Used for Bladens Bluff.

## Questions & Next Steps



- Questions?

## Rate Study Assumptions

- Customer Usage Growth as Set Forth Herein (Subject to Change with Future Study Updates)
- Capital Escalations of 9% for FY 2025 and 5% for FY 2026 based on Inflation and then 5% for the Remainder of Projection Period based on Industry Standards
- Future Debt Service Assumptions (Recommend Hiring FA, Especially Prior to Any Debt Issuances):
  - 5% Interest Rate
  - 20-Year Amortization Period
  - Half-Year Payment Year 1 and Full Payment Starting Year 2



## List of Cost Share Allocation Options Analyzed

- Cost Share Projects – Allocations Analyzed:
  - Option 1: Allocation Based on Annual Usage (All Partners)
  - Option 2: Allocation Based on Capacity (All Partners)
  - Option 3: Allocation Based on Annual Usage (Without Praxair/Stephan)
  - Option 4: Allocation Based on Capacity (Without Praxair/Stephan)
  - Option 5A: Allocation Based on Annual Usage (Excluding BC, Praxair, Stephan. With LCFWASA)
  - Option 5B: Allocation Based on Annual Usage (All Partners Except Praxair/Stephan. With LCFWASA)
  - Option 6: Based on McKim & Creed Method (Capacity)

## Anticipated New Debt Issuances

### Allocated to All

New 4th Pump @ King's Bluff PS	\$ 4,828,700
Walkway & Air Backwash Building Rplcmt	\$ 2,180,000
New Generators	\$ 25,085,210
Replace Raw Water Pump 1	\$ 4,769,647
Replace Raw Water Pump 4	\$ 6,087,412
Replace Raw Water Pump 5	\$ 7,046,940

### Cost Share Project

100 MGD Reservoir (Possible Grant Funding)	\$ 60,911,367
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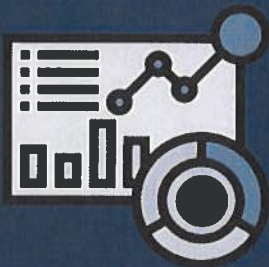
## Specific Changes to Assumptions



- Assumed the 100 MGD Reservoir is Grant Funded
- Lowered Labor Escalator from 5% to 4% Beginning in FY 2028
- Lowered General Inflation Factor from 5% to 3% Beginning in FY 2028
- Lowered Chemical & Electric Cost Escalator from 7% to 4% Beginning in FY 2028
- Adjusted Consumption for Praxair and Stephan for Budget Year 2024 and Later Years based on Prior Year's Consumption
- Praxair & Stephan Not Part of Recommended Cost Share Options But Rather Charge Them a Differential Rate

29

## LCFWSA Funds and Target Levels to Achieve



- Enterprise Operating Fund:
  - Maintain Positive Ending Annual Balance from Operations and in EOF
- R&R Fund:
  - Build Up Balance to Approx. \$3 Million by Year 5 (FY 2029) and \$5 Million by Year 10 (FY 2034)
  - By Maintaining Higher R&R Balances, It Will Reduce & Eventually Eliminate the Need to Ask Members for Periodic Financial Contributions for Ongoing R&R/Emergency Expenditures When Required
- Enterprise Capital Fund:
  - Build Up Balance to Approx. \$10 Million by Year 10 (FY 2034) to Enable LCFWASA to Fund Upfront Engineering and Project Costs

30

**Exhibit 2  
Lower Cape Fear WASA  
2023 Rate Study  
Annual Flows & Revenues**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Estimated 2023
<b>Usage (in Kgals)</b>											
Brunswick County	4,104,862	4,085,693	4,138,451	4,236,976	4,502,325	4,818,150	5,157,008	5,095,815	5,246,138	5,510,004	5,710,245
Stephan	531,090	453,240	212,043	182,598	122,460	150,961	287,950	202,660	119,574	306,850	397,941
Praxair, Inc.	13,890	18,363	15,346	15,317	15,171	13,671	10,685	8,137	7,686	7,586	15,581
CFPUA	4,038,823	3,846,216	4,004,487	3,970,821	4,055,680	4,406,808	4,601,557	3,834,778	4,058,426	4,011,323	4,793,236
Pender	242,710	356,715	377,767	425,444	436,477	498,699	570,200	583,988	580,928	574,595	568,801
<b>Total</b>	<b>8,931,374</b>	<b>8,760,227</b>	<b>8,748,093</b>	<b>8,831,157</b>	<b>9,132,113</b>	<b>9,888,288</b>	<b>10,627,400</b>	<b>9,725,379</b>	<b>10,012,751</b>	<b>10,410,358</b>	<b>11,485,804</b>
<b>Annual Change (Gals)</b>	<b>N/A</b>	<b>(171,148)</b>	<b>(12,133)</b>	<b>83,063</b>	<b>300,957</b>	<b>756,175</b>	<b>739,111</b>	<b>(902,020)</b>	<b>287,372</b>	<b>397,606</b>	<b>1,075,446</b>
<b>Annual Change (%)</b>	<b>-1.9%</b>	<b>-0.1%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>3.4%</b>	<b>8.3%</b>	<b>7.5%</b>	<b>-8.5%</b>	<b>3.0%</b>	<b>4.0%</b>	<b>10.3%</b>
<b>Annual % Change</b>											
Brunswick County	-	-0.47%	1.29%	2.38%	6.26%	7.01%	7.03%	-1.19%	2.95%	5.03%	2.72%
Stephan	-	-14.56%	-53.22%	-13.89%	-32.93%	23.27%	90.75%	-29.62%	-41.00%	156.62%	0.00%
Praxair, Inc.	-	32.20%	-16.43%	-0.19%	-0.95%	-9.89%	-21.84%	-23.84%	-5.55%	-1.31%	0.00%
CFPUA	-	-4.77%	4.11%	-0.84%	2.14%	8.66%	4.42%	-16.66%	5.83%	-1.16%	-1.86%
Pender	-	46.97%	5.90%	12.62%	2.59%	14.26%	14.34%	2.42%	-0.52%	-1.09%	2.87%
<b>Total</b>	<b>-</b>	<b>-1.92%</b>	<b>-0.14%</b>	<b>0.95%</b>	<b>3.41%</b>	<b>8.28%</b>	<b>7.47%</b>	<b>-8.49%</b>	<b>2.95%</b>	<b>3.97%</b>	<b>1.03%</b>
<b>Rate</b>											
Brunswick County	\$ 0.2617	\$ 0.2617	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717
Stephan	\$ 0.2617	\$ 0.2617	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717
Praxair, Inc.	\$ 0.2617	\$ 0.2617	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717
CFPUA	\$ 0.2617	\$ 0.2617	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717
Pender	\$ 0.2617	\$ 0.2617	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.2717
<b>Total</b>	<b>\$ 1,074,242</b>	<b>\$ 1,069,226</b>	<b>\$ 1,124,417</b>	<b>\$ 1,151,187</b>	<b>\$ 1,223,282</b>	<b>\$ 1,309,091</b>	<b>\$ 1,401,159</b>	<b>\$ 1,384,533</b>	<b>\$ 1,425,376</b>	<b>\$ 1,818,301</b>	<b>\$ 2,055,688</b>
Brunswick County	\$ 138,986	\$ 118,613	\$ 57,612	\$ 49,612	\$ 33,272	\$ 41,016	\$ 78,236	\$ 55,063	\$ 32,488	\$ 101,260	\$ 143,259
Stephan	\$ 3,635	\$ 4,805	\$ 4,170	\$ 4,162	\$ 4,122	\$ 3,714	\$ 2,903	\$ 2,211	\$ 2,088	\$ 2,503	\$ 5,609
Praxair, Inc.	\$ 1,056,960	\$ 1,006,555	\$ 1,088,019	\$ 1,078,872	\$ 1,101,928	\$ 1,197,330	\$ 1,250,243	\$ 1,041,909	\$ 1,102,674	\$ 1,323,736	\$ 1,725,565
CFPUA	\$ 63,517	\$ 93,352	\$ 102,639	\$ 115,593	\$ 118,591	\$ 135,496	\$ 154,923	\$ 158,670	\$ 157,838	\$ 189,616	\$ 204,768
Pender	\$ 2,337,341	\$ 2,292,551	\$ 2,376,857	\$ 2,399,425	\$ 2,481,195	\$ 2,686,648	\$ 2,887,464	\$ 2,642,386	\$ 2,720,464	\$ 3,435,418	\$ 4,134,889
<b>Total</b>	<b>\$ 2,337,341</b>	<b>\$ 2,292,551</b>	<b>\$ 2,376,857</b>	<b>\$ 2,399,425</b>	<b>\$ 2,481,195</b>	<b>\$ 2,686,648</b>	<b>\$ 2,887,464</b>	<b>\$ 2,642,386</b>	<b>\$ 2,720,464</b>	<b>\$ 3,435,418</b>	<b>\$ 4,134,889</b>
<b>Percent of Total Revenue (Excluding Praxair &amp; Stephan)</b>											
Brunswick County											
Stephan											
Praxair, Inc.											
CFPUA											
Pender											
<b>Total</b>											



**Exhibit 2  
Lower Cape Fear WASA  
2023 Rate Study  
Annual Flows & Revenues**

Usage (in Kgals)	Projected For Fiscal Years Ending June 30,									
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Input from Budget</b>										
Brunswick County	4,314,412	4,745,853	4,827,482	4,910,515	4,994,975	5,080,889	5,168,280	5,257,175	5,347,598	5,439,577
Stephan	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Praxair, Inc.	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
CFPUA	4,131,405	4,172,719	4,214,446	4,256,591	4,299,157	4,342,148	4,385,570	4,429,425	4,473,720	4,518,457
Pender	585,400	597,108	609,050	621,231	633,656	646,329	659,255	672,441	685,889	699,607
<b>Total</b>	<b>9,301,217</b>	<b>9,785,680</b>	<b>9,920,978</b>	<b>10,058,336</b>	<b>10,197,788</b>	<b>10,339,366</b>	<b>10,483,105</b>	<b>10,629,041</b>	<b>10,777,207</b>	<b>10,927,641</b>
<b>Annual Change (Gals)</b>	<b>(2,184,587)</b>	<b>484,463</b>	<b>135,298</b>	<b>137,358</b>	<b>139,451</b>	<b>141,578</b>	<b>143,739</b>	<b>145,935</b>	<b>148,166</b>	<b>150,434</b>
<b>Annual Change (%)</b>	<b>-19.0%</b>	<b>5.2%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>
<b>Annual % Change</b>										
Brunswick County	0.00%	10.00%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%
Stephan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Praxair, Inc.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CFPUA	0.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Pender	0.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<b>Total</b>	<b>-19.02%</b>	<b>5.21%</b>	<b>1.38%</b>	<b>1.38%</b>	<b>1.39%</b>	<b>1.39%</b>	<b>1.39%</b>	<b>1.39%</b>	<b>1.39%</b>	<b>1.40%</b>
<b>Rate</b>										
Brunswick County	\$ 0.4000	\$ 0.4400	\$ 0.4800	\$ 0.5200	\$ 0.5600	\$ 0.6000	\$ 0.6400	\$ 0.6800	\$ 0.7100	\$ 0.7400
Stephan	\$ 0.4000	\$ 0.6600	\$ 0.7200	\$ 0.7800	\$ 0.8400	\$ 0.9000	\$ 0.9600	\$ 1.0200	\$ 1.0650	\$ 1.1100
Praxair, Inc.	\$ 0.4000	\$ 0.6600	\$ 0.7200	\$ 0.7800	\$ 0.8400	\$ 0.9000	\$ 0.9600	\$ 1.0200	\$ 1.0650	\$ 1.1100
CFPUA	\$ 0.4000	\$ 0.4400	\$ 0.4800	\$ 0.5200	\$ 0.5600	\$ 0.6000	\$ 0.6400	\$ 0.6800	\$ 0.7100	\$ 0.7400
Pender	\$ 0.4000	\$ 0.4400	\$ 0.4800	\$ 0.5200	\$ 0.5600	\$ 0.6000	\$ 0.6400	\$ 0.6800	\$ 0.7100	\$ 0.7400
<b>Billed Revenue</b>										
Brunswick County	\$ 1,725,765	\$ 2,088,175	\$ 2,317,191	\$ 2,553,468	\$ 2,797,186	\$ 3,048,533	\$ 3,307,699	\$ 3,574,879	\$ 3,796,795	\$ 4,025,287
Stephan	\$ 100,000	\$ 165,000	\$ 180,000	\$ 195,000	\$ 210,000	\$ 225,000	\$ 240,000	\$ 255,000	\$ 266,250	\$ 277,500
Praxair, Inc.	\$ 8,000	\$ 13,200	\$ 14,400	\$ 15,600	\$ 16,800	\$ 18,000	\$ 19,200	\$ 20,400	\$ 21,300	\$ 22,200
CFPUA	\$ 1,652,562	\$ 1,835,996	\$ 2,022,934	\$ 2,213,427	\$ 2,407,528	\$ 2,605,289	\$ 2,806,765	\$ 3,012,009	\$ 3,176,341	\$ 3,343,658
Pender	\$ 234,160	\$ 262,728	\$ 292,344	\$ 323,040	\$ 354,847	\$ 387,797	\$ 421,924	\$ 457,260	\$ 486,981	\$ 517,709
<b>Total</b>	<b>\$ 3,720,487</b>	<b>\$ 4,365,099</b>	<b>\$ 4,826,870</b>	<b>\$ 5,300,535</b>	<b>\$ 5,786,361</b>	<b>\$ 6,284,620</b>	<b>\$ 6,795,587</b>	<b>\$ 7,319,548</b>	<b>\$ 7,747,667</b>	<b>\$ 8,186,354</b>
<b>Percent of Total Revenue (Excluding Praxair &amp; Stephan)</b>										
Brunswick County	47.77%	49.87%	50.02%	50.17%	50.31%	50.46%	50.60%	50.75%	50.89%	51.04%
Stephan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Praxair, Inc.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CFPUA	45.75%	43.85%	43.67%	43.49%	43.30%	43.12%	42.94%	42.76%	42.58%	42.40%
Pender	6.48%	6.27%	6.31%	6.35%	6.38%	6.42%	6.45%	6.49%	6.53%	6.55%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

**Exhibit 2  
Lower Cape Fear WASA  
2023 Rate Study  
Annual Flows & Revenues**

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
<b>Projected For Fiscal Years Ending June 30,</b>										
<b>Usage (in Kgal/s)</b>										
Brunswick County	5,533,138	5,628,307	5,725,114	5,823,586	5,923,752	6,025,641	6,129,282	6,234,705	6,341,942	6,451,024
Stephan	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Praxair, Inc.	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
CFPUA	4,563,641	4,609,278	4,655,371	4,701,924	4,748,944	4,796,433	4,844,397	4,892,841	4,941,770	4,991,187
Pender	713,599	727,871	742,429	757,277	772,423	787,871	803,629	819,701	836,095	852,817
<b>Total</b>	<b>11,080,378</b>	<b>11,235,457</b>	<b>11,392,914</b>	<b>11,552,788</b>	<b>11,715,118</b>	<b>11,879,945</b>	<b>12,047,308</b>	<b>12,217,248</b>	<b>12,389,807</b>	<b>12,565,028</b>
<b>Annual Change (Gals)</b>	<b>152,737</b>	<b>155,078</b>	<b>157,457</b>	<b>159,874</b>	<b>162,330</b>	<b>164,826</b>	<b>167,363</b>	<b>169,940</b>	<b>172,559</b>	<b>175,221</b>
<b>Annual Change (%)</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>
<b>Annual % Change</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>	<b>1.72%</b>
Brunswick County	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Stephan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Praxair, Inc.	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
CFPUA	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Pender	1.40%	1.40%	1.40%	1.40%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%
<b>Total</b>	<b>1.40%</b>	<b>1.40%</b>	<b>1.40%</b>	<b>1.40%</b>	<b>1.41%</b>	<b>1.41%</b>	<b>1.41%</b>	<b>1.41%</b>	<b>1.41%</b>	<b>1.41%</b>
<b>Rate</b>										
Brunswick County	\$ 0.7700	\$ 0.8000	\$ 0.8300	\$ 0.8600	\$ 0.8900	\$ 0.9200	\$ 0.9400	\$ 0.9600	\$ 0.9800	\$ 1.0000
Stephan	\$ 1.1550	\$ 1.2000	\$ 1.2450	\$ 1.2900	\$ 1.3350	\$ 1.3800	\$ 1.4100	\$ 1.4400	\$ 1.4700	\$ 1.5000
Praxair, Inc.	\$ 1.1550	\$ 1.2000	\$ 1.2450	\$ 1.2900	\$ 1.3350	\$ 1.3800	\$ 1.4100	\$ 1.4400	\$ 1.4700	\$ 1.5000
CFPUA	\$ 0.7700	\$ 0.8000	\$ 0.8300	\$ 0.8600	\$ 0.8900	\$ 0.9200	\$ 0.9400	\$ 0.9600	\$ 0.9800	\$ 1.0000
Pender	\$ 0.7700	\$ 0.8000	\$ 0.8300	\$ 0.8600	\$ 0.8900	\$ 0.9200	\$ 0.9400	\$ 0.9600	\$ 0.9800	\$ 1.0000
<b>Billed Revenue</b>										
Brunswick County	\$ 4,260,516	\$ 4,502,646	\$ 4,751,845	\$ 5,008,284	\$ 5,272,139	\$ 5,543,589	\$ 5,761,525	\$ 5,985,317	\$ 6,215,103	\$ 6,451,024
Stephan	\$ 288,750	\$ 300,000	\$ 311,250	\$ 322,500	\$ 333,750	\$ 345,000	\$ 352,500	\$ 360,000	\$ 367,500	\$ 375,000
Praxair, Inc.	\$ 23,100	\$ 24,000	\$ 24,900	\$ 25,800	\$ 26,700	\$ 27,600	\$ 28,200	\$ 28,800	\$ 29,400	\$ 30,000
CFPUA	\$ 3,514,004	\$ 3,687,422	\$ 3,863,958	\$ 4,043,655	\$ 4,226,560	\$ 4,412,718	\$ 4,553,733	\$ 4,697,128	\$ 4,842,934	\$ 4,991,187
Pender	\$ 549,471	\$ 582,297	\$ 616,216	\$ 651,258	\$ 687,456	\$ 724,842	\$ 755,411	\$ 786,913	\$ 819,373	\$ 852,817
<b>Total</b>	<b>\$ 8,635,841</b>	<b>\$ 9,096,365</b>	<b>\$ 9,568,168</b>	<b>\$ 10,051,498</b>	<b>\$ 10,546,605</b>	<b>\$ 11,053,749</b>	<b>\$ 11,451,369</b>	<b>\$ 11,858,158</b>	<b>\$ 12,274,311</b>	<b>\$ 12,700,028</b>
<b>Percent of Total Revenue (Excluding Praxair &amp; Stephan)</b>										
Brunswick County	51.18%	51.33%	51.47%	51.61%	51.76%	51.90%	52.04%	52.19%	52.33%	52.47%
Stephan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Praxair, Inc.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CFPUA	42.22%	42.03%	41.85%	41.67%	41.49%	41.31%	41.13%	40.95%	40.77%	40.60%
Pender	6.60%	6.64%	6.67%	6.71%	6.75%	6.79%	6.82%	6.86%	6.90%	6.94%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>







**Exhibit 3**  
**Lower Cape Fear Water Facilities**  
**Kings Bluff Raw Water Facilities**  
**Annual Capital Projects**

Project No.	Description	Type	Funding Source	FY2035	FY2036	FY2037	FY2038	FY2039	FY2040	FY2041	FY2042	FY2043	FY2044	FY2045	FY2046	Grand Total
	R&R Capital Cost Escalator			3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
	Major Capital Facility Cost Escalator			3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
				Lower Cape Fear Water and Sewer Authority Projects (Allocated Across All LCF Customer/Bases)												
K3 1	New 4th Pump @ King's Bluff PS	ECF	Debt Service													\$ 4,828,700
K3 1	New 4th Pump @ King's Bluff PS	ECF	Pay-Go Capital													\$ 225,000
K3 2	Rebuild High Service Pump Motors	R&R	Pay-Go Capital	\$ 456,693												\$ 456,693
K3 3	New Generators	R&R	Debt Service	\$ 19,330,328												\$ 21,590,283
K3 4	Pig 48" Water Main (KBPS to 3 MG Tank)	R&R	Pay-Go Capital						\$ 2,117,728							\$ 2,117,728
K3 5	Pig Future 54" Water Main	R&R	Pay-Go Capital													\$ 1,773,564
K3 6	Walkway & Air Backwash Building Rplcmnt	R&R	Debt Service													\$ 2,180,000
K3 6	Walkway & Air Backwash Building Rplcmnt	R&R	Pay-Go Capital													\$ 15,724,433
K3 7	Replace Raw Water Pumps 1, 4, 5	ECF	Debt Service			\$ 5,814,064										\$ 1,253,470
K3 8	New Surge Tank at KBPS	ECF	Pay-Go Capital													\$ 1,253,470
K3 9	5 ROW Acquisitions	ECF	Pay-Go Capital													\$ 309,000
K3 10	48-Inch PCCP Inspect. and Pig - Grad Tank	R&R	Pay-Go Capital													\$ 2,842,652
K3 11	48-Inch PCCP Repairs	R&R	Pay-Go Capital													\$ 327,000
	Operating Capital (FY 23/24)	Oper	Pay-Go Capital													\$ 735,000
	<b>TOTAL PROJECTS (ALLOCATED TO ALL)</b>			\$ 19,790,021	\$ -	\$ 5,814,064	\$ -	\$ -	\$ 2,117,728	\$ -	\$ -	\$ 1,253,470	\$ -	\$ -	\$ -	\$ 54,323,524
				Sources of Funding												
	Pay-Go Capital			\$ 456,693	\$ -	\$ -	\$ -	\$ -	\$ 2,117,728	\$ -	\$ -	\$ 1,253,470	\$ -	\$ -	\$ -	\$ 10,246,468
	Debt Service			\$ 19,330,328	\$ -	\$ 5,814,064	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,283,416
	<b>TOTAL FUNDING SOURCES</b>			\$ 19,790,021	\$ -	\$ 5,814,064	\$ -	\$ -	\$ 2,117,728	\$ -	\$ -	\$ 1,253,470	\$ -	\$ -	\$ -	\$ 54,549,884
	Renewal & Replacement Projects (Pay Go)			\$ 456,693	\$ -	\$ -	\$ -	\$ -	\$ 2,117,728	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,743,997
	Enterprise Capital Fund Projects (Pay Go)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,253,470	\$ -	\$ -	\$ -	\$ 1,787,470
				Cost Sharing Projects												
CS 1	Intermediate Booster PS Shelter (Option 5A)	ECF	Pay-Go (Cost Share)													\$ 926,500
CS 2	Intermediate Booster PS Upgrade (Option 5A)	R&R	Pay-Go (Cost Share)													\$ 12,443,191
CS 3	New 5th Pump at King's Bluff (Option 5B)	ECF	Pay-Go (Cost Share)										\$ 1,986,268	\$ 5,114,641	\$ 2,317,955	\$ 9,418,865
CS 4	20 MG Ground Tank (Option 4)	ECF	Pay-Go (Cost Share)		\$ 5,487,925	\$ 18,249,702										\$ 23,737,627
CS 5	7-Mile 48" Parallel Raw Water Main	ECF	Already Funded													\$ 48,597,615
CS 6	3-Mile 48" Parallel Raw Water Main	ECF	Grants/ARPA													\$ 30,493,772
CS 7	100 MGD Reservoir (Possible Grant Funding)	ECF	Grants/ARPA													\$ 55,481,486
	<b>TOTAL PROJECTS (COST SHARING)</b>			\$ -	\$ 5,487,925	\$ 18,249,702	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,986,268	\$ 5,114,641	\$ 2,317,955	\$ 181,319,256
				Sources of Funding												
	Pay-Go (Cost Share)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 198,627	\$ 511,464	\$ 231,796	\$ 2,300,856
	ICFMSA			\$ -	\$ 2,133,891	\$ 7,096,101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 853,956	\$ 2,198,938	\$ 996,559	\$ 13,279,444
	Brunswick			\$ -	\$ 2,897,307	\$ 9,634,787	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 817,846	\$ 2,105,953	\$ 954,418	\$ 27,123,086
	CFPIA			\$ -	\$ 456,727	\$ 1,518,814	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115,839	\$ 298,286	\$ 135,183	\$ 4,042,798
	Pender			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Stephan			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Prattall			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Debt Service			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grants/ARPA			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,975,458
	Already Funded			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,597,615
	<b>TOTAL FUNDING SOURCES</b>			\$ -	\$ 5,487,925	\$ 18,249,702	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,986,268	\$ 5,114,641	\$ 2,317,955	\$ 181,319,256
				\$ 19,790,021	\$ 5,487,925	\$ 24,043,747	\$ -	\$ -	\$ 2,117,728	\$ -	\$ -	\$ 1,253,470	\$ 1,986,268	\$ 5,114,641	\$ 2,317,955	\$ 235,642,780
	<b>TOTAL - ALL CAPITAL PROJECTS</b>															

Exhibit 4  
Lower Cape Fear WASA  
Projected Operating Results

Line	Description	Projected For Fiscal Year Ending June 30,										
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Revenues</b>												
<b>Operating Revenues:</b>												
1	Brunswick County	\$ 1,553,188	\$ 1,898,341	\$ 2,124,092	\$ 2,357,047	\$ 2,597,387	\$ 2,845,298	\$ 3,100,968	\$ 3,364,592	\$ 3,636,367	\$ 3,862,100	
2	Stephan	90,000	100,000	165,000	180,000	195,000	210,000	225,000	240,000	255,000	266,250	
3	Praxair, Inc.	7,200	8,000	13,200	14,400	15,600	16,800	18,000	19,200	20,400	21,300	
4	CFPIA	1,487,306	1,669,088	1,854,356	2,043,164	2,235,561	2,431,603	2,631,342	2,834,832	3,042,129	3,208,104	
5	Pender	210,744	238,843	267,982	298,191	329,501	361,944	395,553	430,362	466,405	496,721	
6	Proposed Water Rate Increase	\$ 0.040	\$ 0.040	\$ 0.040	\$ 0.040	\$ 0.040	\$ 0.040	\$ 0.040	\$ 0.040	\$ 0.040	\$ 0.030	
7	Effective Increase In Revenues	11.11%	11.57%	11.95%	12.33%	12.71%	13.09%	13.47%	13.85%	14.23%	14.61%	
8	Additional Revenue Due to Increase	\$ 372,049	\$ 450,827	\$ 402,239	\$ 407,733	\$ 413,312	\$ 418,975	\$ 424,724	\$ 430,562	\$ 437,366	\$ 444,170	
9	Total Water Charge Revenue	\$ 3,720,487	\$ 4,365,099	\$ 4,826,870	\$ 5,300,535	\$ 5,786,361	\$ 6,284,620	\$ 6,795,587	\$ 7,319,548	\$ 7,747,667	\$ 8,186,354	
<b>Other Revenues:</b>												
10	Interest	\$ 500	\$ 550	\$ 590	\$ 620	\$ 640	\$ 660	\$ 680	\$ 700	\$ 720	\$ 740	
11	Fund Balance Appropriated	0	0	0	0	0	0	0	0	0	0	
12	Reimbursement from BB (fig. of Admin Expenses)	214,218	229,872	245,763	258,050	267,184	275,660	285,472	295,649	307,215	318,169	
13	Total Other Operating Revenues	\$ 214,718	\$ 230,422	\$ 246,353	\$ 258,670	\$ 267,824	\$ 277,320	\$ 287,152	\$ 297,349	\$ 307,935	\$ 318,909	
<b>Other Non-Operating Revenues:</b>												
14	Sales Tax Revenues	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	
15	Miscellaneous	0	0	0	0	0	0	0	0	0	0	
16	Total Other Non Operating Revenues	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	
17	TOTAL REVENUES	\$ 4,935,205	\$ 4,695,521	\$ 5,173,222	\$ 5,659,205	\$ 6,154,186	\$ 6,661,940	\$ 7,182,740	\$ 7,716,896	\$ 8,155,602	\$ 8,605,263	
<b>Operating/Administration Expenses</b>												
<b>Operating Expenses</b>												
18	Sales Tax Expense	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	
19	Utilities/Energy Kings Bluff	786,589	825,920	867,220	910,580	956,110	1,003,920	1,054,120	1,106,830	1,162,170	1,220,280	
20	Contract O & M Kings Bluff	686,749	748,560	800,960	841,010	866,240	892,230	919,000	946,570	974,970	1,004,220	
<b>Administration Expenses</b>												
21	Salaries	203,530	213,710	224,400	235,620	245,040	254,840	265,030	275,630	286,660	298,130	
22	Per Diem and Mileage Board Members	64,001	69,760	74,640	78,370	80,720	83,140	85,630	88,200	90,850	93,580	
23	Vehicle Allowance	5,200	5,670	6,070	6,370	6,560	6,760	6,960	7,170	7,390	7,610	
24	FICA Taxes	20,953	22,000	23,100	24,260	25,470	26,740	28,080	29,480	30,950	32,500	
25	Retirement	26,153	27,460	28,830	30,270	31,780	33,370	35,040	36,790	38,630	40,560	
26	401K Plan	11,312	11,880	12,470	13,080	13,740	14,430	15,150	15,910	16,710	17,550	
27	Miscellaneous Payroll Expenses	2,900	3,050	3,200	3,360	3,530	3,710	3,900	4,100	4,310	4,530	
28	Group Insurance	40,176	42,180	44,290	46,500	48,830	51,270	53,830	56,520	59,350	62,320	
29	Property and Liability Insurance	103,734	113,070	120,980	127,030	130,840	134,770	138,810	142,970	147,260	151,680	
30	Professional Services General	15,000	16,350	17,490	18,360	18,910	19,480	20,060	20,660	21,280	21,920	
31	Attorney	50,000	54,500	58,320	61,240	63,080	64,970	66,920	68,930	71,000	73,130	
32	Auditor	8,000	8,720	9,280	9,780	10,220	10,610	10,960	11,280	11,580	11,870	
33	Engineer	300,000	327,000	349,890	367,380	378,400	389,750	401,440	413,480	425,880	438,660	
34	Information Technology	16,000	17,440	18,660	19,590	20,180	20,790	21,410	22,050	22,710	23,390	
35	Office Maintenance/Repair/Common Charge	24,000	26,160	27,990	29,390	30,270	31,180	32,120	33,080	34,070	35,090	
36	Office Utilities	5,000	5,450	5,830	6,120	6,300	6,480	6,660	6,840	7,020	7,200	
37	Office Expenses (telephone, printing, adv)	14,000	15,260	16,330	17,150	17,660	18,190	18,740	19,300	19,880	20,480	
38	Office Equipment	10,000	10,900	11,660	12,240	12,610	12,990	13,380	13,780	14,190	14,620	
39	Printing and Advertising	5,000	5,450	5,830	6,120	6,300	6,480	6,660	6,840	7,020	7,200	
40	Telephone and Internet	3,500	3,820	4,090	4,290	4,420	4,550	4,690	4,830	4,970	5,120	
41	Travel and Training	29,000	31,610	33,820	35,510	36,580	37,680	38,810	39,970	41,170	42,410	
42	Phone Allowance	520	570	610	640	660	680	700	720	740	760	
43	Vehicle Expense	0	0	0	0	0	0	0	0	0	0	
44	Miscellaneous Expense	20,000	21,800	23,330	24,500	25,240	26,000	26,780	27,580	28,410	29,260	
45	Total Expenses	\$ 2,551,317	\$ 2,728,290	\$ 2,895,010	\$ 3,054,740	\$ 3,145,690	\$ 3,261,130	\$ 3,381,170	\$ 3,506,040	\$ 3,635,990	\$ 3,771,210	
46	Income Available for Debt Service	\$ 1,483,887	\$ 1,967,231	\$ 2,278,212	\$ 2,624,465	\$ 3,008,496	\$ 3,400,810	\$ 3,801,570	\$ 4,210,856	\$ 4,519,612	\$ 4,834,053	

Exhibit 4  
Lower Cape Fear WASA  
Projected Operating Results

Line	Description	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Projected For Fiscal Year Ending June 30,											
47	<b>Debt Service</b>										
47	LCPWSA Capital Projects (Allocated to All)	\$ 0	\$ 281,198	\$ 562,396	\$ 562,396	\$ 562,396	\$ 746,540	\$ 930,684	\$ 930,684	\$ 930,684	\$ 930,684
48	Cost Sharing Projects Debt Service	0	0	0	0	0	0	0	0	0	0
49	Future Debt Service #3	0	0	0	0	0	0	0	0	0	0
50	Total Annual Debt Service-Water	\$ 0	\$ 281,198	\$ 562,396	\$ 562,396	\$ 562,396	\$ 746,540	\$ 930,684	\$ 930,684	\$ 930,684	\$ 930,684
51	Debt Service Coverage	N/A	7.00	4.05	4.67	5.35	4.56	4.08	4.52	4.86	5.19
52	Remaining Net Revenue After Debt Service	\$ 1,483,887	\$ 1,686,033	\$ 1,715,816	\$ 2,062,069	\$ 2,446,099	\$ 2,654,270	\$ 2,870,886	\$ 3,280,173	\$ 3,588,928	\$ 3,903,369
<b>Other Expenses &amp; Transfers In/(Out)</b>											
53	Operating Capital (FY 23/24)	\$ (735,000)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
54	Cost Share Pay-Go (LCF Allocated Portion)	0	(92,650)	0	0	0	0	0	0	0	0
55	Transfer Out to R&R - Kings Bluff R&R Expense	(420,000)	(1,350,000)	(1,450,000)	(1,200,000)	(1,600,000)	(1,200,000)	(1,000,000)	(300,000)	0	(157,841)
56	Transfer Out to Enterprise Capital Fund	(325,000)	(200,000)	(250,000)	(850,000)	(825,000)	(1,200,000)	(1,700,000)	(2,750,000)	(3,250,000)	(3,500,000)
57	Transfer In from R&R Fund	0	0	0	0	0	0	0	0	0	0
58	Transfer In from Enterprise Capital Fund	0	0	0	0	0	0	0	0	0	0
59	Total Other Expenses/Transfers	\$ (1,480,000)	\$ (1,642,650)	\$ (1,700,000)	\$ (2,050,000)	\$ (2,425,000)	\$ (2,400,000)	\$ (2,700,000)	\$ (3,050,000)	\$ (3,250,000)	\$ (3,657,841)
60	Remaining Funds Available from Annual Operations (Net Income)	\$ 3,887	\$ 43,383	\$ 15,816	\$ 12,069	\$ 21,099	\$ 254,270	\$ 170,886	\$ 230,173	\$ 338,928	\$ 245,528
<b>Funds - Balance Activity</b>											
<b>Enterprise Operating Fund</b>											
61	Beginning Fund Balance	\$ 2,900,000	\$ 2,903,887	\$ 2,947,270	\$ 2,963,086	\$ 2,975,155	\$ 2,996,254	\$ 3,250,524	\$ 3,421,410	\$ 3,651,583	\$ 3,990,511
62	Plus Remaining Funds from Operations	3,887	43,383	15,816	12,069	21,099	254,270	170,886	230,173	338,928	245,528
63	Total Funds Available-Operating Fund	\$ 2,903,887	\$ 2,947,270	\$ 2,963,086	\$ 2,975,155	\$ 2,996,254	\$ 3,250,524	\$ 3,421,410	\$ 3,651,583	\$ 3,990,511	\$ 4,236,039
64	Working Capital in Enterprise Fund	15.00	14.00	13.00	13.00	12.00	13.00	13.00	14.00	14.00	15.00
<b>Renewal &amp; Replacement Fund</b>											
65	Beginning Fund Balance	\$ 343,311	\$ 536,951	\$ 1,559,951	\$ 377,601	\$ 1,367,299	\$ 2,967,299	\$ 4,167,299	\$ 5,167,299	\$ 5,467,299	\$ 5,467,299
66	Plus: Transfer From Operations	420,000	1,350,000	1,450,000	1,200,000	1,600,000	1,200,000	1,000,000	300,000	0	0
67	Less: R&R Capital Expenses	(226,360)	(327,000)	(2,632,350)	(210,302)	0	0	0	0	0	0
68	Total Funds Available-R&R Fund	\$ 536,951	\$ 1,559,951	\$ 377,601	\$ 1,367,299	\$ 2,967,299	\$ 4,167,299	\$ 5,167,299	\$ 5,467,299	\$ 5,467,299	\$ 5,467,299
<b>Enterprise Capital Fund (ECF)</b>											
69	Beginning Fund Balance	\$ 381,406	\$ 381,406	\$ 472,406	\$ 722,406	\$ 1,572,406	\$ 2,397,406	\$ 3,597,406	\$ 5,297,406	\$ 8,047,406	\$ 11,297,406
70	Plus: Transfer From Operations	325,000	200,000	250,000	850,000	825,000	1,200,000	1,700,000	2,750,000	3,250,000	3,500,000
71	Less: Enterprise Capital Project Expenses	(325,000)	(109,000)	0	0	0	0	0	0	0	0
72	Total Funds Available-Ent. Cap Fund	\$ 381,406	\$ 472,406	\$ 722,406	\$ 1,572,406	\$ 2,397,406	\$ 3,597,406	\$ 5,297,406	\$ 8,047,406	\$ 11,297,406	\$ 14,797,406
73	Total R&R and Capital Funds	\$ 918,357	\$ 2,032,357	\$ 1,100,007	\$ 2,939,705	\$ 5,364,705	\$ 7,764,705	\$ 10,464,705	\$ 13,514,705	\$ 16,764,705	\$ 20,264,705
74	Working Capital (R&R/Capital Funds)	5.00	10.00	5.00	13.00	22.00	31.00	41.00	51.00	60.00	70.00



Exhibit 4  
Lower Cape Fear WASA  
Projected Operating Results

Line	Description	Projected For Fiscal Year-Ending June 30,										
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>R&amp;R Contributions by Partner</b>												
<b>Annual Contributions Allocated by Annual Usage</b>												
75	Brunswick County	\$ 364,651	\$ 673,299	\$ 725,299	\$ 602,004	\$ 805,009	\$ 605,507	\$ 506,044	\$ 152,249	\$ 0	\$ 0	\$ 0
76	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
77	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
78	CFPUA	\$ 349,183	\$ 591,988	\$ 683,195	\$ 521,936	\$ 692,868	\$ 517,468	\$ 429,406	\$ 128,277	\$ 0	\$ 0	\$ 0
79	Pender	\$ 49,478	\$ 84,712	\$ 91,506	\$ 76,160	\$ 102,122	\$ 77,025	\$ 64,550	\$ 19,474	\$ 0	\$ 0	\$ 0
80	Total	\$ 763,311	\$ 1,350,000	\$ 1,450,000	\$ 1,200,000	\$ 1,600,000	\$ 1,200,000	\$ 1,000,000	\$ 300,000	\$ 0	\$ 0	\$ 0
<b>Allocation of R&amp;R Project Costs by Annual Usage</b>												
81	Brunswick County	\$ 108,137	\$ 163,088	\$ 1,316,719	\$ 105,502	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
82	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
83	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
84	CFPUA	\$ 103,550	\$ 143,393	\$ 1,149,510	\$ 91,453	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
85	Pender	\$ 14,673	\$ 20,519	\$ 166,121	\$ 13,347	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
86	Total	\$ 226,360	\$ 327,000	\$ 2,632,350	\$ 210,302	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Cumulative R&amp;R Contributions Less R&amp;R Expenses</b>												
87	Brunswick County	\$ 256,513	\$ 766,725	\$ 175,306	\$ 671,807	\$ 1,476,817	\$ 2,082,323	\$ 2,588,367	\$ 2,740,616	\$ 2,740,616	\$ 2,740,616	\$ 2,740,616
88	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
89	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
90	CFPUA	\$ 245,633	\$ 694,228	\$ 177,913	\$ 609,296	\$ 1,301,165	\$ 1,818,633	\$ 2,248,039	\$ 2,376,316	\$ 2,376,316	\$ 2,376,316	\$ 2,376,316
91	Pender	\$ 34,805	\$ 98,998	\$ 24,383	\$ 87,195	\$ 189,318	\$ 266,343	\$ 330,893	\$ 350,367	\$ 350,367	\$ 350,367	\$ 350,367
92	Total	\$ 536,951	\$ 1,559,951	\$ 377,601	\$ 1,367,299	\$ 2,967,299	\$ 4,167,299	\$ 5,167,299	\$ 5,467,299	\$ 5,467,299	\$ 5,467,299	\$ 5,467,299
93	Check	\$ 536,951	\$ 1,559,951	\$ 377,601	\$ 1,367,299	\$ 2,967,299	\$ 4,167,299	\$ 5,167,299	\$ 5,467,299	\$ 5,467,299	\$ 5,467,299	\$ 5,467,299
<b>Enterprise Capital Contributions by Partner</b>												
<b>Annual Contributions Allocated by Annual Usage</b>												
94	Brunswick County	\$ 337,466	\$ 99,748	\$ 125,052	\$ 426,419	\$ 415,083	\$ 605,507	\$ 860,275	\$ 1,395,615	\$ 1,654,074	\$ 1,786,373	\$ 1,786,373
95	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
96	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
97	CFPUA	\$ 323,151	\$ 87,702	\$ 109,171	\$ 369,634	\$ 357,260	\$ 517,468	\$ 729,990	\$ 1,175,873	\$ 1,383,773	\$ 1,483,874	\$ 1,483,874
98	Pender	\$ 45,789	\$ 12,550	\$ 15,777	\$ 53,946	\$ 52,657	\$ 77,025	\$ 109,735	\$ 178,532	\$ 212,153	\$ 229,753	\$ 229,753
99	Total	\$ 706,406	\$ 200,000	\$ 250,000	\$ 850,000	\$ 825,000	\$ 1,200,000	\$ 1,700,000	\$ 2,750,000	\$ 3,250,000	\$ 3,500,000	\$ 3,500,000
<b>Allocation of ECF Project Costs by Annual Usage</b>												
100	Brunswick County	\$ 155,260	\$ 54,363	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
101	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
102	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
103	CFPUA	\$ 148,674	\$ 47,798	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
104	Pender	\$ 21,066	\$ 6,840	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
105	Total	\$ 325,000	\$ 109,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Cumulative ECF Contributions Less ECF Expenses</b>												
106	Brunswick County	\$ 182,206	\$ 227,591	\$ 352,643	\$ 779,063	\$ 1,194,145	\$ 1,799,652	\$ 2,659,927	\$ 4,055,541	\$ 5,709,615	\$ 7,495,988	\$ 7,495,988
107	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
108	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
109	CFPUA	\$ 174,477	\$ 214,382	\$ 323,553	\$ 693,187	\$ 1,050,447	\$ 1,567,916	\$ 2,297,906	\$ 3,473,779	\$ 4,857,552	\$ 6,341,427	\$ 6,341,427
110	Pender	\$ 24,723	\$ 30,433	\$ 46,210	\$ 100,156	\$ 152,813	\$ 229,838	\$ 339,573	\$ 518,085	\$ 730,239	\$ 959,992	\$ 959,992
111	Total	\$ 381,406	\$ 472,406	\$ 722,406	\$ 1,572,406	\$ 2,397,406	\$ 3,597,406	\$ 5,297,406	\$ 8,047,406	\$ 11,297,406	\$ 14,797,406	\$ 14,797,406
112	Check	\$ 381,406	\$ 472,406	\$ 722,406	\$ 1,572,406	\$ 2,397,406	\$ 3,597,406	\$ 5,297,406	\$ 8,047,406	\$ 11,297,406	\$ 14,797,406	\$ 14,797,406

Exhibit 4  
Lower Cape Fear WASA  
Projected Operating Results

Line	Description	Projected For Fiscal Year Ending June 30,									
		2034	2035	2036	2037	2038	2039	2040	2041	2042	2043

Revenues											
<b>Operating Revenues:</b>											
1	Brunswick County	\$ 4,094,522	\$ 4,333,797	\$ 4,580,091	\$ 4,833,577	\$ 5,094,427	\$ 5,362,820	\$ 5,638,939	\$ 5,860,623	\$ 6,088,264	\$ 6,322,003
2	Stephan	277,500	288,750	300,000	311,250	322,500	333,750	345,000	352,500	360,000	367,500
3	Praxair, Inc.	22,200	23,100	24,000	24,900	25,800	26,700	27,600	28,500	29,400	30,300
4	CPUIA	3,377,095	3,549,144	3,724,296	3,902,597	4,084,091	4,266,825	4,456,845	4,599,271	4,744,099	4,891,364
5	Pender	528,064	560,461	593,943	628,540	664,284	701,205	739,338	770,519	802,652	835,761
6	Proposed Water Rate Increase	\$ 0.030	\$ 0.030	\$ 0.030	\$ 0.030	\$ 0.030	\$ 0.030	\$ 0.030	\$ 0.020	\$ 0.020	\$ 0.020
7	Effective Increase In Revenues	4.05%	3.90%	3.75%	3.61%	3.49%	3.37%	3.27%	2.17%	2.08%	2.04%
8	Additional Revenue Due to Increase	\$ 336,461	\$ 341,114	\$ 345,837	\$ 350,634	\$ 355,504	\$ 360,448	\$ 365,646	\$ 247,045	\$ 250,496	\$ 254,001
9	Total Water Charge Revenue	\$ 8,635,841	\$ 9,096,365	\$ 9,568,168	\$ 10,051,498	\$ 10,546,605	\$ 11,053,749	\$ 11,451,369	\$ 11,858,158	\$ 12,274,311	\$ 12,700,028
<b>Other Revenues:</b>											
10	Interest	\$ 760	\$ 780	\$ 800	\$ 820	\$ 840	\$ 870	\$ 900	\$ 930	\$ 960	\$ 990
11	Fund Balance Appropriated	0	0	0	0	0	0	0	0	0	0
12	Reimbursement from BB (% of Admin Expenses)	329,533	341,309	353,530	366,210	379,366	393,003	407,159	421,842	437,076	452,893
13	Total Other Operating Revenues	\$ 330,293	\$ 342,089	\$ 354,330	\$ 367,030	\$ 380,206	\$ 393,873	\$ 408,059	\$ 422,772	\$ 438,036	\$ 453,883
<b>Other Non-Operating Revenues:</b>											
14	Sales Tax Revenues	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
15	Miscellaneous	0	0	0	0	0	0	0	0	0	0
16	Total Other Non Operating Revenues	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
17	<b>TOTAL REVENUES</b>	\$ 9,066,134	\$ 9,538,454	\$ 10,022,499	\$ 10,518,527	\$ 11,026,811	\$ 11,547,623	\$ 11,959,428	\$ 12,380,930	\$ 12,812,347	\$ 13,253,911

Operating/Administration Expenses											
<b>Operating Expenses</b>											
18	Sales Tax Expense	\$ 1,281,290	\$ 1,345,350	\$ 1,412,620	\$ 1,483,250	\$ 1,557,410	\$ 1,635,280	\$ 1,717,040	\$ 1,802,890	\$ 1,893,030	\$ 1,987,680
19	Utilities/Energy Kings Bluff	1,034,350	1,065,380	1,097,340	1,130,260	1,164,170	1,199,100	1,235,070	1,272,120	1,310,280	1,349,590
<b>Administration Expenses</b>											
21	Salaries	310,060	322,460	335,360	348,770	362,720	377,230	392,320	408,010	424,330	441,300
22	Per Diem and Mileage Board Members	96,390	99,280	102,260	105,330	108,490	111,740	115,090	118,540	122,100	125,760
23	Vehicle Allowance	7,840	8,080	8,320	8,570	8,830	9,090	9,360	9,640	9,930	10,230
24	FICA Taxes	34,130	35,840	37,630	39,510	41,490	43,560	45,740	48,030	50,430	52,950
25	Retirement	42,590	44,720	46,960	49,310	51,780	54,370	57,090	59,940	62,940	66,090
26	401K Plan	18,430	19,350	20,320	21,340	22,410	23,530	24,710	25,950	27,250	28,610
27	Miscellaneous Payroll Expenses	4,760	5,000	5,250	5,510	5,790	6,080	6,380	6,700	7,040	7,390
28	Group Insurance	65,440	68,720	72,150	75,760	79,550	83,530	87,710	92,100	96,710	101,550
29	Property and Liability Insurance	156,230	160,920	165,750	170,720	175,840	181,120	186,550	192,150	197,910	203,850
30	Professional Services General	22,580	23,260	23,960	24,680	25,420	26,180	26,970	27,780	28,610	29,470
31	Attorney	75,320	77,580	79,910	82,310	84,780	87,320	89,940	92,640	95,420	98,280
32	Auditor	19,370	19,950	20,550	21,170	21,810	22,460	23,130	23,820	24,550	25,270
33	Engineer	451,820	465,370	479,330	493,710	508,520	523,780	539,500	555,670	572,340	589,510
34	Information Technology	24,090	24,810	25,550	26,320	27,110	27,920	28,760	29,620	30,510	31,430
35	Office Maintenance/Repair/Common Charge	36,140	37,220	38,340	39,490	40,670	41,890	43,150	44,440	45,770	47,140
36	Office Utilities	7,520	7,750	7,980	8,220	8,470	8,720	8,980	9,250	9,550	9,820
37	Office Expenses (telephone, printing, adv)	21,090	21,720	22,370	23,040	23,730	24,440	25,170	25,930	26,710	27,510
38	Office Equipment	15,060	15,510	15,980	16,460	16,950	17,460	17,980	18,520	19,080	19,650
39	Printing and Advertising	7,520	7,750	7,980	8,220	8,470	8,720	8,980	9,250	9,530	9,820
40	Telephone and Internet	5,270	5,430	5,590	5,760	5,930	6,110	6,290	6,480	6,670	6,870
41	Travel and Training	43,680	44,990	46,340	47,730	49,160	50,630	52,150	53,710	55,320	56,980
42	Phone Allowance	800	820	840	870	900	930	960	990	1,020	1,050
43	Vehicle Expense	0	0	0	0	0	0	0	0	0	0
44	Miscellaneous Expense	30,140	31,040	31,970	32,930	33,920	34,940	35,990	37,070	38,180	39,330
45	<b>Total Expenses</b>	\$ 3,911,890	\$ 4,058,270	\$ 4,210,630	\$ 4,369,210	\$ 4,534,290	\$ 4,706,100	\$ 4,884,970	\$ 5,071,210	\$ 5,265,140	\$ 5,467,100
46	Income Available for Debt Service	\$ 5,154,244	\$ 5,480,184	\$ 5,811,869	\$ 6,149,317	\$ 6,492,521	\$ 6,841,523	\$ 7,074,458	\$ 7,309,720	\$ 7,547,207	\$ 7,786,811

**Exhibit 4  
Lower Cape Fear WASA  
Projected Operating Results**

Line	Description	Projected For Fiscal Year Ending June 30,										
		2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	
<b>Debt Service</b>												
47	LCP/WASA Capital Projects (Allocated to All)	\$ 2,008,782	\$ 3,086,880	\$ 3,086,880	\$ 3,320,148	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416
48	Cost Sharing Projects Debt Service	0	0	0	0	0	0	0	0	0	0	0
49	Future Debt Service #3	0	0	0	0	0	0	0	0	0	0	0
50	<b>Total Annual Debt Service-Water</b>	\$ 2,008,782	\$ 3,086,880	\$ 3,086,880	\$ 3,320,148	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416	\$ 3,553,416
51	Debt Service Coverage	2.57	1.78	1.88	1.85	1.83	1.93	1.99	2.06	2.12	2.19	
52	Remaining Net Revenue After Debt Service	\$ 3,145,462	\$ 2,393,304	\$ 2,724,988	\$ 2,829,169	\$ 2,939,105	\$ 3,288,107	\$ 3,521,042	\$ 3,756,304	\$ 3,993,791	\$ 4,233,395	
<b>Other Expenses &amp; Transfers In/(Out)</b>												
53	Operating Capital (FY 23/24)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
54	Cost Share Pay-Go (LCF Allocated Portion)	(1,108,478)	0	0	0	0	0	0	0	0	0	0
55	Transfer Out to R&R - Kings Bluff R&R Expense	(400,000)	(1,000,000)	(250,000)	(250,000)	(1,200,000)	(250,000)	(1,100,000)	(1,150,000)	(1,500,000)	(1,000,000)	
56	Transfer Out to Enterprise Capital Fund	(1,450,000)	(1,250,000)	(2,300,000)	(2,400,000)	(1,500,000)	(2,700,000)	(2,200,000)	(2,400,000)	(2,250,000)	(3,000,000)	
57	Transfer In from R&R Fund	0	0	0	0	0	0	0	0	0	0	0
58	Transfer In from Enterprise Capital Fund	0	0	0	0	0	0	0	0	0	0	0
59	<b>Total Other Expenses/Transfers</b>	\$ (2,958,478)	\$ (2,250,000)	\$ (2,550,000)	\$ (2,650,000)	\$ (2,700,000)	\$ (2,950,000)	\$ (3,300,000)	\$ (3,550,000)	\$ (3,750,000)	\$ (4,000,000)	
60	Remaining Funds Available from Annual Operations (Net Income)	\$ 186,984	\$ 143,304	\$ 174,988	\$ 179,169	\$ 239,105	\$ 338,107	\$ 221,042	\$ 206,304	\$ 243,791	\$ 233,395	
<b>Funds - Balance Activity</b>												
<b>Enterprise Operating Fund</b>												
61	Beginning Fund Balance	\$ 4,236,039	\$ 4,423,023	\$ 4,566,327	\$ 4,741,315	\$ 4,920,484	\$ 5,159,590	\$ 5,497,696	\$ 5,718,738	\$ 5,925,042	\$ 6,168,833	
62	Plus Remaining Funds from Operations	186,984	143,304	174,988	179,169	239,105	338,107	221,042	206,304	243,791	233,395	
63	<b>Total Funds Available-Operating Fund</b>	\$ 4,423,023	\$ 4,566,327	\$ 4,741,315	\$ 4,920,484	\$ 5,159,590	\$ 5,497,696	\$ 5,718,738	\$ 5,925,042	\$ 6,168,833	\$ 6,402,228	
64	Working Capital in Enterprise Fund	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
<b>Renewal &amp; Replacements Fund</b>												
65	Beginning Fund Balance	\$ 5,467,299	\$ 4,093,735	\$ 4,637,042	\$ 4,887,042	\$ 5,137,042	\$ 6,337,042	\$ 6,587,042	\$ 5,569,314	\$ 6,719,314	\$ 8,219,314	
66	Plus: Transfer From Operations	400,000	1,000,000	250,000	250,000	1,200,000	250,000	1,100,000	1,150,000	1,500,000	1,000,000	
67	Less: R&R Capital Expenses	(1,773,564)	(456,693)	0	0	0	0	(2,117,728)	0	0	0	
68	<b>Total Funds Available-R&amp;R Fund</b>	\$ 4,093,735	\$ 4,637,042	\$ 4,887,042	\$ 5,137,042	\$ 6,337,042	\$ 6,587,042	\$ 5,569,314	\$ 6,719,314	\$ 8,219,314	\$ 9,219,314	
<b>Enterprise Capital Fund (ECF)</b>												
69	Beginning Fund Balance	\$ 14,797,406	\$ 16,247,406	\$ 17,497,406	\$ 19,797,406	\$ 22,197,406	\$ 23,697,406	\$ 26,397,406	\$ 28,597,406	\$ 30,997,406	\$ 33,247,406	
70	Plus: Transfer From Operations	1,450,000	1,250,000	2,300,000	2,400,000	1,500,000	2,700,000	2,200,000	2,400,000	2,250,000	3,000,000	
71	Less: Enterprise Capital Project Expenses	0	0	0	0	0	0	0	0	0	(1,253,470)	
72	<b>Total Funds Available-Ent. Cap.Fund</b>	\$ 16,247,406	\$ 17,497,406	\$ 19,797,406	\$ 22,197,406	\$ 23,697,406	\$ 26,397,406	\$ 28,597,406	\$ 30,997,406	\$ 33,247,406	\$ 34,993,936	
73	<b>Total R&amp;R and Capital Funds</b>	\$ 20,341,141	\$ 22,134,448	\$ 24,684,448	\$ 27,334,448	\$ 30,034,448	\$ 32,984,448	\$ 34,166,720	\$ 37,716,720	\$ 41,466,720	\$ 44,213,249	
74	Working Capital (R&R/Capital Funds)	68.00	71.00	77.00	82.00	87.00	92.00	92.00	97.00	103.00	106.00	



Exhibit 4  
Lower Cape Fear WASA  
Projected Operating Results

Line	Description	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
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R&R Contributions by Partner

Annual Contributions Allocated by Annual Usage

75	Brunswick County	\$ 204,734	\$ 513,276	\$ 128,678	\$ 129,037	\$ 621,095	\$ 129,752	\$ 572,475	\$ 600,131	\$ 784,906	\$ 524,686
76	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
77	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
78	CFPUA	\$ 168,861	\$ 420,345	\$ 104,635	\$ 104,184	\$ 497,918	\$ 103,283	\$ 452,466	\$ 470,968	\$ 611,615	\$ 405,952
79	Pender	\$ 26,404	\$ 66,379	\$ 16,687	\$ 16,779	\$ 80,987	\$ 16,965	\$ 75,059	\$ 78,902	\$ 103,479	\$ 69,363
80	Total	\$ 400,000	\$ 1,000,000	\$ 250,000	\$ 250,000	\$ 1,200,000	\$ 250,000	\$ 1,100,000	\$ 1,150,000	\$ 1,500,000	\$ 1,000,000

Allocation of R&R Project Costs by Annual Usage

81	Brunswick County	\$ 907,773	\$ 234,410	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,102,133	\$ 0	\$ 0	\$ 0
82	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
83	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
84	CFPUA	\$ 748,717	\$ 191,969	\$ 0	\$ 0	\$ 0	\$ 871,092	\$ 0	\$ 0	\$ 0	\$ 0
85	Pender	\$ 117,074	\$ 30,315	\$ 0	\$ 0	\$ 0	\$ 144,504	\$ 0	\$ 0	\$ 0	\$ 0
86	Total	\$ 1,773,564	\$ 456,693	\$ 0	\$ 0	\$ 0	\$ 2,117,728	\$ 0	\$ 0	\$ 0	\$ 0

Cumulative R&R Contributions Less R&R Expenses

87	Brunswick County	\$ 2,037,577	\$ 2,316,443	\$ 2,445,122	\$ 2,574,159	\$ 3,195,253	\$ 3,325,005	\$ 2,795,347	\$ 3,395,478	\$ 4,180,384	\$ 4,705,070
88	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
89	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
90	CFPUA	\$ 1,796,461	\$ 2,024,838	\$ 2,129,472	\$ 2,233,656	\$ 2,731,574	\$ 2,834,857	\$ 2,416,231	\$ 2,887,199	\$ 3,498,314	\$ 3,904,766
91	Pender	\$ 259,697	\$ 295,761	\$ 312,448	\$ 329,228	\$ 410,215	\$ 427,180	\$ 357,735	\$ 436,637	\$ 540,115	\$ 609,478
92	Total	\$ 4,093,735	\$ 4,637,042	\$ 4,887,042	\$ 5,137,042	\$ 6,337,042	\$ 6,587,042	\$ 5,569,314	\$ 6,719,314	\$ 8,219,314	\$ 9,219,314
93	Check	\$ 4,093,735	\$ 4,637,042	\$ 4,887,042	\$ 5,137,042	\$ 6,337,042	\$ 6,587,042	\$ 5,569,314	\$ 6,719,314	\$ 8,219,314	\$ 9,219,314

Enterprise Capital Contributions by Partner

Annual Contributions Allocated by Annual Usage

94	Brunswick County	\$ 742,162	\$ 641,595	\$ 1,183,841	\$ 1,238,755	\$ 776,368	\$ 1,401,318	\$ 1,144,949	\$ 1,252,447	\$ 1,177,359	\$ 1,574,057
95	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
96	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
97	CFPUA	\$ 612,123	\$ 525,432	\$ 962,639	\$ 1,000,162	\$ 622,398	\$ 1,115,455	\$ 904,933	\$ 982,889	\$ 917,422	\$ 1,217,855
98	Pender	\$ 95,715	\$ 82,973	\$ 153,520	\$ 161,083	\$ 101,234	\$ 183,227	\$ 150,118	\$ 164,664	\$ 155,218	\$ 208,088
99	Total	\$ 1,450,000	\$ 1,250,000	\$ 2,300,000	\$ 2,400,000	\$ 1,500,000	\$ 2,700,000	\$ 2,200,000	\$ 2,400,000	\$ 2,250,000	\$ 3,000,000

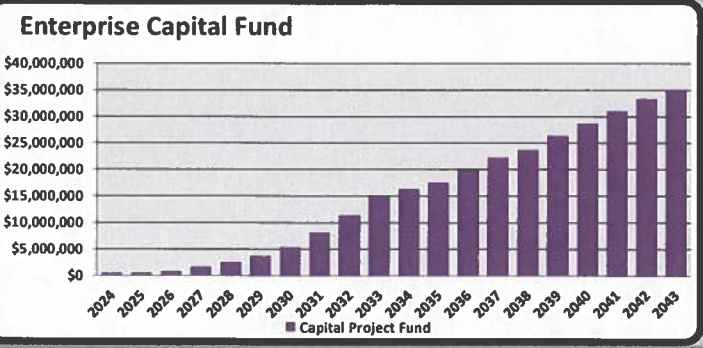
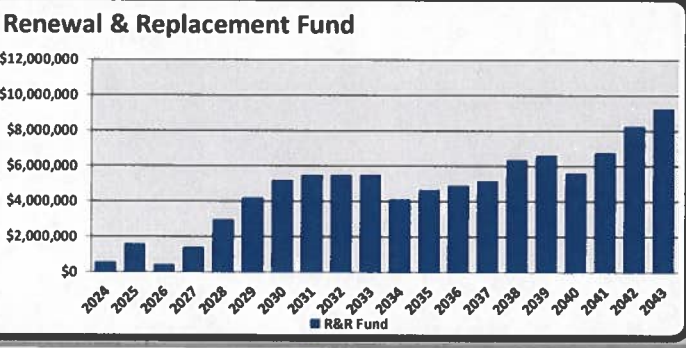
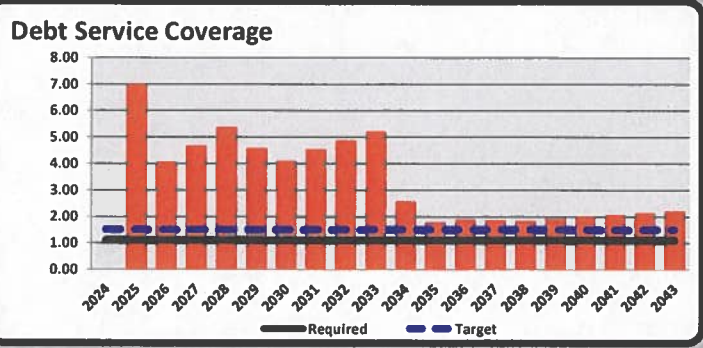
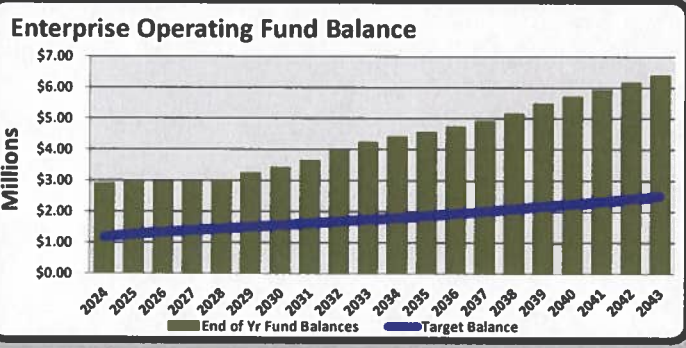
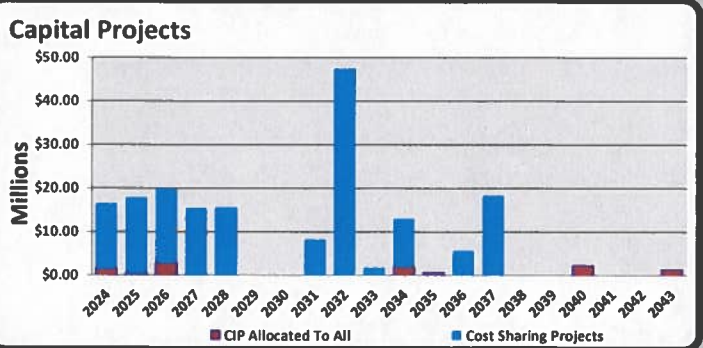
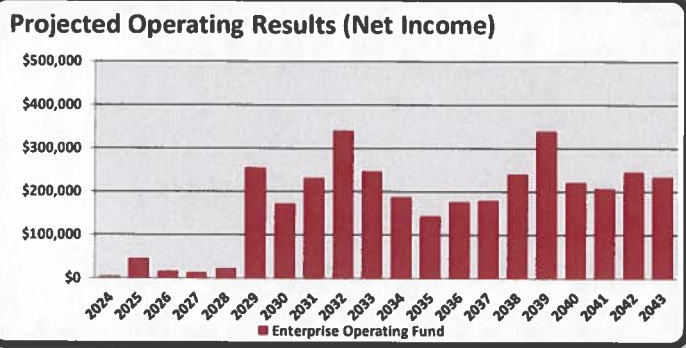
Allocation of ECF Project Costs by Annual Usage

100	Brunswick County	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 657,678
101	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
102	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
103	CFPUA	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 508,848
104	Pender	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 86,944
105	Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,253,470

Cumulative ECF Contributions Less ECF Expenses

106	Brunswick County	\$ 8,238,150	\$ 8,879,745	\$ 10,063,586	\$ 11,302,341	\$ 12,078,709	\$ 13,480,027	\$ 14,624,977	\$ 15,877,424	\$ 17,054,783	\$ 17,971,162
107	Stephan	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
108	Praxair, Inc.	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
109	CFPUA	\$ 6,953,550	\$ 7,478,981	\$ 8,441,620	\$ 9,441,783	\$ 10,064,180	\$ 11,179,635	\$ 12,084,568	\$ 13,067,457	\$ 13,984,879	\$ 14,693,886
110	Pender	\$ 1,055,707	\$ 1,138,680	\$ 1,292,200	\$ 1,453,283	\$ 1,554,517	\$ 1,737,743	\$ 1,887,861	\$ 2,052,525	\$ 2,207,744	\$ 2,328,888
111	Total	\$ 16,247,406	\$ 17,497,406	\$ 19,797,406	\$ 22,197,406	\$ 23,697,406	\$ 26,397,406	\$ 28,597,406	\$ 30,997,406	\$ 33,247,406	\$ 34,993,936
112	Check	\$ 16,247,406	\$ 17,497,406	\$ 19,797,406	\$ 22,197,406	\$ 23,697,406	\$ 26,397,406	\$ 28,597,406	\$ 30,997,406	\$ 33,247,406	\$ 34,993,936

**Exhibit 5**  
**Lower Cape Fear WSA**  
**FY 2024 Rate Study**  
**Financial Dashboard**



Volumetric Increase	2024	▲	2025	▲	2026	▲	2027	▲	2028	▲	2029	▲	2030	▲
	\$ 0.040	▼	\$ 0.040	▼	\$ 0.040	▼	\$ 0.040	▼	\$ 0.040	▼	\$ 0.040	▼	\$ 0.040	▼
Volumetric Increase	2031	▲	2032	▲	2033	▲	2034	▲	2035	▲	2036	▲	2037	▲
	\$ 0.040	▼	\$ 0.030	▼	\$ 0.030	▼	\$ 0.030	▼	\$ 0.030	▼	\$ 0.030	▼	\$ 0.030	▼
Volumetric Increase	2038	▲	2039	▲	2040	▲	2041	▲	2042	▲	2043	▲	2044	▲
	\$ 0.030	▼	\$ 0.030	▼	\$ 0.020	▼	\$ 0.020	▼	\$ 0.020	▼	\$ 0.020	▼	\$ -	▼

**Exhibit 6**  
**Lower Cape Fear WASA**  
**2023 Rate Study**  
**Capital Projects Cost Share Methodology Assumptions**

Cost Share Projects	Funding Source	Estimated Cost (Future Dollars)
<b>Estimated Capital Costs (Cost Share)</b>		
Intermediate Booster PS Shelter (Option 5A)	Pay-Go (Cost Share)	\$ 926,500
Intermediate Booster PS Upgrade (Option 5A)	Pay-Go (Cost Share)	\$ 12,663,191
New 5th Pump at King's Bluff (Option 5B)	Pay-Go (Cost Share)	\$ -
20 MG Ground Tank (Option 6)	Pay-Go (Cost Share)	\$ 23,737,627
7-Mile 48" Parallel Raw Water Main	Already Funded	\$ 48,597,615
3-Mile 48" Parallel Raw Water Main	Grants/ARPA	\$ 30,493,772
100 MGD Reservoir (Possible Grant Funding)	Grants/ARPA	\$ 55,481,686
<b>TOTAL PROJECTS (COST SHARING)</b>		<b>\$ 171,900,391</b>

**Possible Cost Allocation Methods:**

- Option 1: Allocation of Project Cost by Annual Usage (All Partners)
- Option 2: Allocation of Project Costs by Allocated Capacity for Each Partner
- Option 3: Allocation of Project Costs 3 Ways by Usage (Brunswick, Pender and CFPUA)
- Option 4: Allocation of Project Costs 3 Ways by Capacity (Brunswick, Pender and CFPUA)
- Option 5A: Allocation of Project Costs 4 Ways (Pender, CFPUA and LCFWASA)
- Option 5B: Allocation of Project Costs 4 Ways (Brunswick, Pender, CFPUA and LCFWASA)
- Option 6: McKim & Creed Utilization

Description	Annual Usage - KGals (Based on FY24 Budget)	Allocated Capacity (MGD) (After 54 Inch Line)
Brunswick	4,314,412	50
CFPUA	4,131,405	38
Pender	585,400	6
Praxair	20,000	1
Stephan	250,000	1
<b>Total</b>	<b>9,301,217</b>	<b>96</b>

<u>With Praxair &amp; Stephan</u>	(Option 1)	(Option 2)
Brunswick	46.39%	52.08%
CFPUA	44.42%	39.58%
Pender	6.29%	6.25%
Praxair	0.22%	1.04%
Stephan	2.69%	1.04%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>

<u>Without Praxair &amp; Stephan (Differential Rates Instead)</u>	(Option 3)	(Option 4)
Brunswick	47.77%	53.19%
CFPUA	45.75%	40.43%
Pender	6.48%	6.38%
Praxair	0.00%	0.00%
Stephan	0.00%	0.00%
LCFWASA	0.00%	0.00%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>

<u>With LCFWASA/With &amp; Without Brunswick (Diff Rates)</u>	(Option 5A)	(Option 5B)
Brunswick	0.000%	42.99%
CFPUA	78.83%	41.18%
Pender	11.17%	5.83%
Praxair	0.000%	0.00%
Stephan	0.000%	0.000%
LCFWASA	10.000%	10.000%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>



**OPTION 6 - ALLOCATION BASED ON CAPACITY**

Description	Distance (miles)	Pipe Size (Inches)	Factor	Factor	Factor	Allocated flow in Pipe Segment (MGD)	Allocation:	Brunswick	Pender	Prasair	Stephan	CFPUA	Sum	
														Distance (miles)
<b>Intermediate Booster PS Shelter (Option 5A)</b>														
King's Bluff Pump Station to T-junction near NWWTP	70.892	13.426	48 & 54	2	141,783	96		50	6	0	0	38	94	
T-junction to vault near NWWTP	18	0.003	30 & 36	2	37	37	52.1%	73,845	8,861	0	0	56,123	138,330	
T-junction near NWWTP to raw water tank	2,556	0.484	48 & 54	2	5,112	56	100.0%	2,662	319	0	0	2,023	5,005	
Raw water tank to T-junction near Pender County Vault	37,078	7.022	48	1	37,078	46	0.0%	0	4,836	0	0	30,679	35,466	
T-junction to Pender County vault	2,366	0.448	30	1	2,366	6	0.0%	0	2,366	0	0	0	2,366	
T-junction near Pender County vault to Prasair vault	12,141	2.299	48	1	12,141	40	0.0%	0	0	0	0	11,534	11,534	
Prasair vault to Stephan vault	3,510	0.665	48	1	3,510	39	0.0%	0	0	0	0	3,420	3,420	
Stephan vault to CPPIA vault	200	0.038	48	1	200	38	0.0%	0	0	0	0	200	200	
<b>Total</b>	128,761	24			202,227			38,889	8,324	0	0	103,929	196,857	
Total Project Cost (in Future Dollars)								\$926,500.00	\$926,500.00	\$926,500.00	\$926,500.00	\$926,500.00	\$926,500.00	\$926,500.00
Total Partner Cost								\$ 360,255	\$ 77,187	\$ 0	\$ 0	\$ 449,138	\$ 926,500.00	\$ 926,500.00
System Utilization %								8.32%	0.00%	0.00%	0.00%	52.79%	100.00%	100.00%



Exhibit 8  
Lower Cape Fear WASA  
2023 Rate Study  
Capital Projects Cost Share Methodology Summary

Line	Description	Total	Brunswick	CFPUA	Pender	Praxair	Stephan	LCFWASA
Allocation Percentages by Option								
1	Option 1 (Annual Usage - All Partners)	100.00%	46.39%	44.42%	6.29%	0.22%	2.69%	0.00%
2	Option 2 (Capacity - All Partners)	100.00%	52.08%	39.58%	6.25%	1.04%	1.04%	0.00%
3	Option 3 (Annual Usage - No Praxair/Stephan)	100.00%	47.77%	45.75%	6.48%	0.00%	0.00%	0.00%
4	Option 4 (Capacity - No Praxair/Stephan)	100.00%	53.19%	40.43%	6.38%	0.00%	0.00%	0.00%
5	Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	100.00%	0.00%	78.83%	11.17%	0.00%	0.00%	10.00%
6	Option 5B (Annual Usage - With LCFWASA & Brunswick)	100.00%	42.99%	41.18%	5.83%	0.00%	0.00%	10.00%
7	Option 6 (M&C Utilization Method Based on Capacity)	100.00%	38.88%	52.79%	8.32%	0.00%	0.00%	0.00%

Allocated Project Costs by Cost Share Option

<b>Intermediate Booster PS Shelter (Option 5A)</b>								
8	Option 1 (Annual Usage - All Partners)	\$ 926,528	\$ 429,757	\$ 411,533	\$ 58,277	\$ 2,038	\$ 24,923	\$ -
9	Option 2 (Capacity - All Partners)	\$ 926,500	\$ 482,549	\$ 366,736	\$ 57,906	\$ 9,654	\$ 9,654	\$ -
10	Option 3 (Annual Usage - No Praxair/Stephan)	\$ 926,500	\$ 442,589	\$ 423,874	\$ 60,037	\$ -	\$ -	\$ -
11	Option 4 (Capacity - No Praxair/Stephan)	\$ 926,500	\$ 492,805	\$ 374,584	\$ 59,111	\$ -	\$ -	\$ -
12	Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	\$ 926,500	\$ -	\$ 730,361	\$ 103,489	\$ -	\$ -	\$ 92,650
13	Option 5B (Annual Usage - With LCFWASA & Brunswick)	\$ 926,500	\$ 398,330	\$ 381,486	\$ 54,033	\$ -	\$ -	\$ 92,650
14	Option 6 (M&C Utilization Method Based on Capacity)	\$ 926,500	\$ 360,255	\$ 489,138	\$ 77,107	\$ -	\$ -	\$ -
<b>Intermediate Booster PS Upgrade (Option 5A)</b>								
15	Option 1 (Annual Usage - All Partners)	\$ 12,663,571	\$ 5,873,821	\$ 5,624,736	\$ 796,515	\$ 27,859	\$ 340,640	\$ -
16	Option 2 (Capacity - All Partners)	\$ 12,663,191	\$ 6,595,370	\$ 5,012,471	\$ 791,449	\$ 131,950	\$ 131,950	\$ -
17	Option 3 (Annual Usage - No Praxair/Stephan)	\$ 12,663,191	\$ 6,049,206	\$ 5,793,410	\$ 820,575	\$ -	\$ -	\$ -
18	Option 4 (Capacity - No Praxair/Stephan)	\$ 12,663,191	\$ 6,735,551	\$ 5,119,728	\$ 807,912	\$ -	\$ -	\$ -
19	Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	\$ 12,663,191	\$ -	\$ 9,982,413	\$ 1,414,459	\$ -	\$ -	\$ 1,266,319
20	Option 5B (Annual Usage - With LCFWASA & Brunswick)	\$ 12,663,191	\$ 5,444,286	\$ 5,214,069	\$ 738,517	\$ -	\$ -	\$ 1,266,319
21	Option 6 (M&C Utilization Method Based on Capacity)	\$ 12,663,191	\$ 4,923,877	\$ 6,685,432	\$ 1,053,882	\$ -	\$ -	\$ -
<b>20 MG Ground Tank (Option 6)</b>								
22	Option 1 (Annual Usage - All Partners)	\$ 23,737,339	\$ 11,010,698	\$ 10,543,779	\$ 1,493,097	\$ 52,223	\$ 638,542	\$ -
23	Option 2 (Capacity - All Partners)	\$ 23,737,627	\$ 12,363,268	\$ 9,396,065	\$ 1,483,602	\$ 247,346	\$ 247,346	\$ -
24	Option 3 (Annual Usage - No Praxair/Stephan)	\$ 23,737,627	\$ 11,339,465	\$ 10,859,965	\$ 1,538,198	\$ -	\$ -	\$ -
25	Option 4 (Capacity - No Praxair/Stephan)	\$ 23,737,627	\$ 12,626,044	\$ 9,597,123	\$ 1,514,461	\$ -	\$ -	\$ -
26	Option 5A (Annual Usage - With LCFWASA & Without Brunswick)	\$ 23,737,627	\$ -	\$ 18,712,407	\$ 2,651,457	\$ -	\$ -	\$ 2,373,763
27	Option 5B (Annual Usage - With LCFWASA & Brunswick)	\$ 23,737,627	\$ 10,205,518	\$ 9,773,968	\$ 1,384,378	\$ -	\$ -	\$ 2,373,763
28	Option 6 (M&C Utilization Method Based on Capacity)	\$ 23,737,627	\$ 9,229,992	\$ 12,532,094	\$ 1,975,542	\$ -	\$ -	\$ -

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COUNTY OF BRUNSWICK  
PUBLIC UTILITIES DEPARTMENT  
Kings Bluff Pump Station



246 Private Road  
Riegelwood, NC 28456  
(910) 655-4799 Office  
(910) 655-4798 FAX

---

**TO:** Tim Holloman

**FROM:** Greg Lazorchak

**DATE:** 12/01/2023

**SUBJECT:** Monthly maintenance report for November 2023

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Mr. Holloman,

The Maintenance and Operations of the king's bluff facility for the month of November were performed as prescribed in the station SOP'S and other items are as follows.

The diesel drive booster pumps along with the standby SCADA generator located at the raw tank and the SCADA generator located at INVISTA / CFPUA vaults off HWY 421 were run and tested weekly and verified standby ready.

KB personnel completed all locates issued by the 811 system.

KB personnel cleaned out the building at Raw tank of dust, insects, & debris.

KB personnel assisted Underwood pump with removal of pump 1 and check valve.

KB personnel installed new waterline markers along R.O.W.

KB personnel cleaned the ceiling at Kings Bluff of cobwebs in both pump rooms.

KB personnel installed warning sign at river.

KB personnel painted floor in pump room 4 & 5.

KB personnel aided Engineered systems Inc in proximity sensor on hoist.

KB personnel finished painting surge tank for preventative maintenance.

**Contractors:**

Underwood pump disassembled pump 1.

HDA came for a quote on insulation in generator building.

Pursuit Cleaning came to Kings Bluff office for weekly cleaning.

LJ's Landscaping continued cutting R.O.W.

Engineered System Inc. fixed proximity sensor on hoist.

Sanford Electric disconnected power to pump 1.

McDuffie Pest sprayed for quarterly pest control.

B & B crane service helped Underwood pump with motor.

AT&T fixed Internet system at Kings Bluff.

Thank you,  
Gregory Lazorchak

# Smithfield®

To: Tim Holloman - LCFWASA

From: James Kern – Bladen Bluffs SWTP ORC

Date: 12/6/23

Subject: November 2023 Operations

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During the month of November, Bladen Bluffs SWTP operated a total of 19 days, treating 49.09 million gallons of water.

We used:

31,044 lbs. of aluminum sulfate (Alum)

7,753 lbs. of sodium hydroxide (Caustic)

1,235 lbs. of sodium hypochlorite (2,480 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: 11/2/2023

### ISSUE:

### PLAN OF ACTION:

All PLC need updated	Getting quotes
Vault intrusion electrical needs sealed	Quote approved
Main and raw generator has radiator leak	Quote approved, parts ordered
Clearwell #1 level indicator issue	FIXED
Front gate issue	FIXED
Caustic Pump #2 clogged	Troubleshooting
Need to do full chemical pump PM	Getting Parts - Tencarva
Streaming current monitor N/A	New ordered
Timers on corrosion inhibitor pump failed	Temporarily fixed, new timers ordered
CFE chlorine analyzer failing	Replaced with new model



# Monthly Operating Reports (MORs) Summary

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

Year: <u>2023</u>	PWS Name: <u>Bladen Bluffs Water System</u>	PWSID# : <u>NC5009012</u>
Month: <u>November</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>100</u>
Samples exceeding .3 NTU (pct): <u>0.0%</u>	Highest single turbidity reading NTU: <u>0.144</u>
	Monthly average turbidity NTU: <u>0.066</u>

**Individual Filter Effluent (IFE) Turbidity**

1) Was each filter <u>continuously</u> monitored for turbidity?	Yes	<u>X</u>	No	
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>0.5200</u>	Number of samples taken <u>100</u>

**Distribution Residual Disinfectant Concentration**

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

Lowest CT ratio reading <u>11.30</u>	Number of CT ratios required <u>19</u>
Number of CT ratios below 1.0 <u>0</u>	Number of CT ratios calculated <u>19</u>

**Remarks From General Info Worksheet**

PLANT OPS: Had a positive finished bacti on 11/1. Following day collected additional finished, upstream, and downstream sample. ALL negative on 11/2.

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 November, 2023 and that records documenting compliance with this rule are maintained on the premises and available for inspection upon request.

NCDENR/DEH  
PWSS  
Version: V02.10-00

COMPLETED BY:	James Kern	
CERTIFICATE GRADE:	A - Surface	CERTIFICATE NUMBER: <span style="border: 1px solid black; padding: 2px;">120147</span>

**CONSENT AGENDA (C4)**

**Lower Cape Fear Water & Sewer Authority**

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

**LINE-ITEM ADJUSTMENTS FOR 10/31/2023**

<b>Operating Fund:</b>	<b>Line-Item Budget Amount prior to Adjustment</b>	<b>Decrease</b>	<b>Increase</b>	<b>Budget Amount as of 10/31/2023</b>
<b>REVENUE</b>				
3005-01 Praxair, Inc	\$100,000	\$9,216		\$90,784
3120-00 Other Interest & Investment	\$500		\$9,216	\$9,716
<b>EXPENSES</b>				
4048-01 Engineer	\$300,000	\$10,000		\$290,000
4062-01 Office Equipment	\$10,000		\$10,000	\$20,000
<b>Total</b>	<b>\$ 410,500</b>	<b>\$(19,216)</b>	<b>\$19,216</b>	<b>\$410,500</b>

**NEW BUSINESS (NB1)**

**Lower Cape Fear Water & Sewer  
Authority**

## **AGENDA ITEM**

To: CHAIRMAN RIVENBARK AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: December 11, 2023

Re: Election of Authority's Board of Directors Officers for the Term of January 1, 2024, until December 31, 2024

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

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In accordance with Article III, Section 1. of the Lower Cape Fear Water and Sewer Authority's Bylaws, new officers are to be elected for the term of January 1, 2024, to December 31, 2024. Provided is a list of current Board Officers who comply with the requirements outlined in the referenced Article and Section.

**Action Requested:** Motion to approve/disapprove election of proposed Board Officers for the term on January 1, 2024, to December 31, 2024

<p><b>Chairmanship Rotation Schedule</b>          Brunswick County          Columbus County          City of Wilmington          Pender County          New Hanover County          Bladen County</p>
---

**Lower Cape Fear Water & Sewer Authority**

**CURRENT**

**Board Officers, January 1 - December 31, 2023**

<b>Chairman</b>	Norwood Blanchard Pender County
<b>Vice-Chairman</b>	Harry Knight New Hanover County
<b>Secretary</b>	Patrick DeVane Bladen County
<b>Treasurer</b>	Scott Phillips Brunswick County
<b>Assistant Treasurer</b>	Al Leonard Columbus County



**Lower Cape Fear Water & Sewer Authority**

**PROPOSED**

**Board Officers, January 1 - December 31, 2024**

<b>Chairman</b>	Harry Knight New Hanover County
<b>Vice-Chairman</b>	Patrick DeVane Bladen County
<b>Secretary</b>	Scott Phillips Brunswick County
<b>Treasurer</b>	Al Leonard Columbus County
<b>Assistant Treasurer</b>	Charlie Rivenbark City of Wilmington



**NEW BUSINESS (NB2)**

**Lower Cape Fear Water & Sewer  
Authority**

## **AGENDA ITEM**

To: CHAIRMAN RIVENBARK AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: December 11, 2023

Re: 2024 Regular Scheduled Meetings Calendar

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

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Approval of the Authority's 2024 Regular Schedule Meetings Calendar.

**Action Requested:** Motion to approve/disapprove 2024 Regular Scheduled Meetings Calendar



# LOWER CAPE FEAR WATER AND SEWER AUTHORITY

## 2024 REGULAR MEETING SCHEDULE

### **Regular Board Meeting Dates and Times**

9:00 a.m. – Monday, January 8

9:00 a.m. – Monday, February 12

9:00 a.m. – Monday, March 11

9:00 a.m. – Monday, April 8

9:00 a.m. – Monday, May 13

9:00 a.m. – Monday, June 17

9:00 a.m. – Monday, July 8

9:00 a.m. – Monday, August 12

9:00 a.m. – Monday, September 9

9:00 a.m. – Monday, October 14

9:00 a.m. – Monday, November 18

9:00 a.m. – Monday, December 9

Meetings are held at the Lower Cape Fear Water and Sewer Authority's office located at 1107 New Pointe Blvd., Suite 17, Leland, NC.

**LOWER CAPE FEAR WATER & SEWER AUTHORITY**

1107 New Pointe Blvd., Suite 17  
 Leland, NC 28451  
 Phone: 910-383-1919  
 Fax: 910-383-1949  
 www.lcfwasa.org

2024

**HOLIDAYS OBSERVED  
 (DATES OFFICE CLOSED)**

January 1: New Years Day

January 15: Martin Luther King Jr. Birthday

March 29: Good Friday

May 27: Memorial Day

June 19: Juneteenth

July 4: Independence Day

September 2: Labor Day

November 11: Veterans Day

November 28 & 29: Thanksgiving

December 24 & 25: Christmas

- JANUARY -							- FEBRUARY -							- MARCH -							- APRIL -						
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
		<u>1</u>	2	3	4	5	6				1	2	3														
7	<u>8</u>	9	10	11	11	13	4	5	6	7	8	9	10	3	4	5	6	7	8	9	7	<u>8</u>	9	10	11	12	13
14	<u>15</u>	16	17	18	19	20	11	<u>12</u>	13	14	15	16	17	10	<u>11</u>	12	13	14	15	16	14	15	16	17	18	19	20
21	22	23	24	25	26	27	18	19	20	21	22	23	24	17	18	19	20	21	22	23	21	22	23	24	25	26	27
28	29	30	31				25	26	27	28	29			24	25	26	27	28	<u>29</u>	30	28	29	30				

31

- MAY -							- JUNE -							- JULY -							- AUGUST -						
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
			1	2	3	4							1														
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	<u>8</u>	9	10	11	12	13	4	5	6	7	8	9	10
12	<u>13</u>	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	<u>12</u>	13	14	15	16	17
19	20	21	22	23	24	25	16	<u>17</u>	18	<u>19</u>	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
26	<u>27</u>	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31				25	26	27	29	29	30	31

30

**BOARD MEETING DATES**  
 Regular monthly Board Meetings are held the second Monday of each month at 9:00 a.m. Dates are shown in RED.

- SEPTEMBER -							- OCTOBER -							- NOVEMBER -							- DECEMBER -						
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
1	<u>2</u>	3	4	5	6	7	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	<u>9</u>	10	11	12	13	14
8	<u>9</u>	10	11	12	13	14	13	<u>14</u>	15	16	17	18	19	10	<u>11</u>	12	13	14	15	16	15	16	17	18	19	20	21
15	16	17	18	19	20	21	20	21	22	23	24	25	26	17	<u>18</u>	19	20	21	22	23	22	23	<u>24</u>	<u>25</u>	26	27	28
22	23	24	25	26	27	28	27	28	29	30	31			24	25	26	27	<u>28</u>	<u>29</u>	30	29	30	31				



WATER IS OUR BUSINESS.

## **AGENDA ITEM**

To: CHAIRMAN BLANCHARD AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: December 11, 2023

Re: Financial Management System Proposal

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

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**Background:** LCFWASA has been using QuickBooks for some time, and we have been looking at and reviewing various software offerings. However, most have been way out of reach for LCFWASA operations and cost benefits. Southern Software handles many Eastern North Carolina Municipalities and offers robust financial software with needed functionality.

Our Auditor has inquired several times about our current programming. This new software will be able to provide reports and require less "manipulation," which can lead to errors. It also allows tracking revenues for different funds as requested by partners regarding the recently adopted financial policy.

We are getting everything but the electronic funds transfer module on the attached preproposal, eliminating \$3,050.00 and leaving the total one-time cost at \$29,378.00. There are annual maintenance fees of \$5,338.00.

The initial cost will be split between two Fiscal Years.

This is part of our overall commitment to upgrade our information technology systems.

**Action Requested:** Recommend Approval



**Lower Cape Fear Water and Sewer Authority Resolution Approving Purchase of Financial Management System Software**

WHEREAS, the Lower Cape Fear Water and Sewer Authority (“Authority” or “LCFWASA”) is in need of new financial management system (FMS) software for utility billing and collections, FMS email services, and accounting systems functions;

WHEREAS, N.C.G.S. § 143-131 allows for purchases of apparatus, supplies, materials, or equipment using an informal bidding process when the estimated cost is equal to or greater than \$30,000 but less than \$90,000;

WHEREAS, the LCFWASA Executive Director, having investigated the procurement of the required software and having solicited three competitive quotes reports that Southern Software, Inc. is the lowest responsible, responsive bidder taking into consideration quality, performance, and the time specified for performance; and,

WHEREAS, Southern Software, Inc. provided the lowest quote to LCFWASA in a Proposal dated 9/20/23 in the amount of \$29,378.00, which includes a project management fee, one year of FMS support and hosting, and hardware options, but excluding the Option for EFT processing, as more fully set forth in the Proposal.

NOW, THEREFORE, BE IT RESOLVED by the Chairman and LCFWASA Board of Directors, that the Board does hereby approve the purchase of FMS software with Management, support, hosting, and hardware options from Southern Software, Inc., 150 Perry Drive, Southern Pines, NC 28387, as set forth in the above-referenced Proposal dated 9/20/23, but excluding the Option for EFT processing, for a total purchase amount of \$29,378. Plus applicable taxes and shipping.

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

Adopted this \_\_\_\_\_ day of December 2023.

\_\_\_\_\_  
Norwood Blanchard, Chairman

**ATTEST:**

\_\_\_\_\_  
Patrick DeVane, Secretary



**SOUTHERN SOFTWARE, INC.**  
an employee-owned company

**Agency:** Lower Cape Fear Water & Sewer Authority  
**Contact:** Tim Holloman, Director  
**Date:** 9/20/2023

**PROPOSAL**

<b>FINANCIAL MANAGEMENT SYSTEM (FMS)</b>		<b>Qty</b>
<b>* UTILITY BILLING AND COLLECTIONS</b>		1
Bank Drafts for Bill Pay, Image and Document Attachment for Account Records, Email Billing, Work Order Tracking, Drill-Down Reports		
<b>FMS E-MAIL SERVICES</b> (CAN BE UTILITIZED FOR FMS UTILITY BILLS; PAYROLL CHECK STUBS ; ACCOUNTS RECEIVABLE INVOICES AND IS NECESSARY FOR PURCHASE REQUISITION WORKFLOW IF APPLICABLE)		1
<b>ACCOUNTING SYSTEM</b>	General Ledger and Accounts Payable	1
GENERAL LEDGER INCLUDES: Budget Processing, Bank Reconciliation, Unlimited Fiscal Periods Open Recurring Entries, Drill-Down Reports, Journal Entry Import, User-Defined Interface Options ACCOUNTS PAYABLE INCLUDES: Purchase Order Processing, Recurring Invoicing, 1099 Processing, Optional Field Setup for Vendors, Drill-Down Reports		
<b>Total Software:</b>		<b>\$12,990.00</b>

<b>PROJECT MANAGEMENT</b>	
<b>Project Management Fee</b>	INSTALLATION, TRAINING AND A PROJECT MANAGER.
<b>Total Project Management:</b>	
<b>\$8,698.00</b>	

<b>YEARLY SUPPORT</b>	
<b>FMS Support</b>	FMS ANNUAL SUPPORT FEE COVERS TELEPHONE AND REMOTE SUPPORT. THIS INCLUDES PROGRAM UPDATES AS RELEASED.
	<b>1 YEAR</b>
<b>Total Support:</b>	
<b>\$2,838.00</b>	

**TOTAL INVESTMENT** (STATE TAX AND SHIPPING NOT INCLUDED) **\$24,526.00**

**NOTE: MICROSOFT® SQL SERVER 2012 OR HIGHER IS REQUIRED (2019 PREFERRED).**  
**NOTE: THIS PROPOSAL DOES NOT INCLUDE PROVISIONS FOR A DATA CONVERSION (FROM CURRENT MUNICIPAL/FINANCIAL SYSTEM). CONVERSION COSTS AVAILABLE ONLY AFTER EVALUATION OF SAMPLE DATA.**

<b>OPTION - HOSTING</b>	
<b>* Hosting</b>	HOSTING OF FMS. (.NET ACCOUNTING (AP/GL) AND UTILITY BILLING
	<b>1 YEAR</b>
<b>Total Option:</b>	
<b>\$2,500.00</b>	
<b>TOTAL OPTION - HOSTING</b> (STATE TAX AND SHIPPING NOT INCLUDED)	
<b>\$2,500.00</b>	

**\* NOTE: NETWORK & INTERNET CONNECTION IS NOT THE RESPONSIBILITY OF SOUTHERN SOFTWARE.**

**\* NOTE: MICROSOFT SQL AZURE HOSTING WILL HOST THE ACTUAL DATABASE. CUSTOMER WILL BE REQUIRED TO HAVE A STATIC IP AND A QUALITY BROADBAND PROVIDER IS REQUIRED. WE CANNOT BE RESPONSIBLE FOR INTERNET OUTAGES AT THE CUSTOMER SITE. MICROSOFT DOES RESERVE THE RIGHT TO DO MAINTENANCE OR EMERGENCY SECURITY UPDATES. THESE WILL BE DONE IN THE MIDDLE OF THE NIGHT AND ON WEEKENDS.**

**\* NOTE: IF HOSTING FEE IS NOT PAID ANNUALLY WHEN DUE, MICROSOFT AZURE WILL SHUT DOWN THE HOST SITE AND DATA WILL BE LOST.**

**OPTION - EFT PROCESSING**

<b>EFT Processing for Accounts Payable</b>		1	
		<b>Total Software:</b>	<b>\$2,550.00</b>
<b>Additional FMS Support</b>	FMS ANNUAL SUPPORT FEE COVERS TELEPHONE AND REMOTE SUPPORT. THIS INCLUDES PROGRAM UPDATES AS RELEASED.	1 YEAR	<b>\$500.00</b>
<b>TOTAL OPTION - EFT PROCESSING (STATE TAX AND SHIPPING NOT INCLUDED)</b>			<b><u>\$3,050.00</u></b>

**OPTIONS - HARDWARE**

<b>Nova Backup Business Essentials (Backup Software)</b>		1	\$1,002.00
<b>1 TB External USB Hard Drive</b>		3	\$1,350.00
<b>TOTAL OPTION - HARDWARE (STATE TAX AND SHIPPING NOT INCLUDED)</b>			<b><u>\$2,352.00</u></b>

**NOTE:** DUE TO A CONSTANTLY CHANGING MARKET, SOUTHERN SOFTWARE'S SOFTWARE PROPOSALS WILL BE HONORED FOR A PERIOD OF SIXTY (60) DAYS AND HARDWARE PROPOSALS FOR A PERIOD OF THIRTY (30) DAYS. WE WILL BE GLAD TO RESUBMIT AT YOUR REQUEST.

**NOTE:** FMS INCLUDES THIRTY (30) DAYS OF FREE TELEPHONE SUPPORT AND REGULAR UPDATES TO INSURE YOUR TOWN A STATE OF THE ART PRODUCT.

\* **NOTE:** ONLY INTERFACES LISTED ABOVE ARE INCLUDED. INTERFACES TO METER READING SYSTEM, THIRD PARTY PAYMENT PROCESSING, BILL EXPORTS ETC. NOT INCLUDED. PLEASE REQUEST AN UPDATED PROPOSAL IF THESE ARE NEEDED.

**NOTE:** A LIMITED NUMBER OF FORMS ARE COMPATIBLE WITH SOUTHERN SOFTWARE FMS. THIS INCLUDES, BUT IS NOT LIMITED TO ACCOUNTS PAYABLE AND PAYROLL CHECKS AND UTILITY BILLING AND TAX BILLING BILL FORMS. NEW FORMS MAY NEED TO BE PURCHASED FROM SOUTHERN SOFTWARE FOR COMPATIBILITY.

**NOTE:** PROJECT MANAGEMENT FEES INCLUDE TRAINING, INSTALLATION AND PROJECT MANAGEMENT.

**NOTE:** SOUTHERN SOFTWARE WILL INSTALL ITS SOFTWARE PRODUCTS ONLY ON COMPUTER CONFIGURATIONS COMPATIBLE WITH THESE PRODUCTS. HARDWARE SPECIFICATIONS ARE AVAILABLE UPON REQUEST.

**Contact information for FMS Sales Representative:**

**Marci Lewandowski**  
**Southern Software**  
**150 Perry Drive**  
**Southern Pines, NC 28387**

**Business:** (800) 842-8190  
**Mobile:** (910) 644-3089  
**Fax:** (910) 695-0251  
**E-Mail:** mlewandowski@southernsoftware.com

## **AGENDA ITEM**

To: CHAIRMAN BLANCHARD AND BOARD MEMBERS

From: TIM HOLLOMAN, EXECUTIVE DIRECTOR

Date: December 11, 2023

Re: Budget Amendment #1 for the Financial Management System  
Cost

---

Budget Amendment #1 for purchase for Financial Management System  
Software with Southern Software Inc.

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





Lower Cape Fear Water & Sewer Authority  
Leland, North Carolina

**BUDGET AMENDMENT #1**  
Fiscal Year 2023 - 2024

BE IT ORDAINED by the Board of Directors of the Lower Cape Fear Water & Sewer Authority that the following amendments are made to the FY 2023-2024 Annual Budget Ordinances as follows:

**Section 1:** To amend the **Operating Revenue**, the listed appropriation is to be increased as follows:

<b>Operating Revenue:</b>	<b>Increase</b>
3001-01 – 01 Brunswick County Public Utility	\$29,378
	<hr/>
	\$29,378

This amendment is necessary to uphold the budget for Bladen Bluff's revenue and expenses.

The Revenue for the increased appropriation will be provided as follows:

**Section 2:** To amend the **Operating Expenses**, the appropriations are to be changed as follows:

<b>Operating Expenditures:</b>	<b>Increase</b>
4049-01 Information Technology	\$29,378
	<hr/>
	\$29,378

**Section 3:** Copies of this Budget Amendment shall be furnished to the Budget Officer for direction in carrying out his duties.

Approved as to the availability of funds:

\_\_\_\_\_  
Tim H. Holloman, Finance Officer

This Budget Amendment was adopted on the 11<sup>th</sup> day of December 2023.

\_\_\_\_\_  
Norwood Blanchard, Chairman

ATTEST:

\_\_\_\_\_  
Patrick DeVane, Secretary

## **AGENDA ITEM**

To: CHAIRMAN BLANCHARD AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: December 11, 2023

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 November 30, 2023

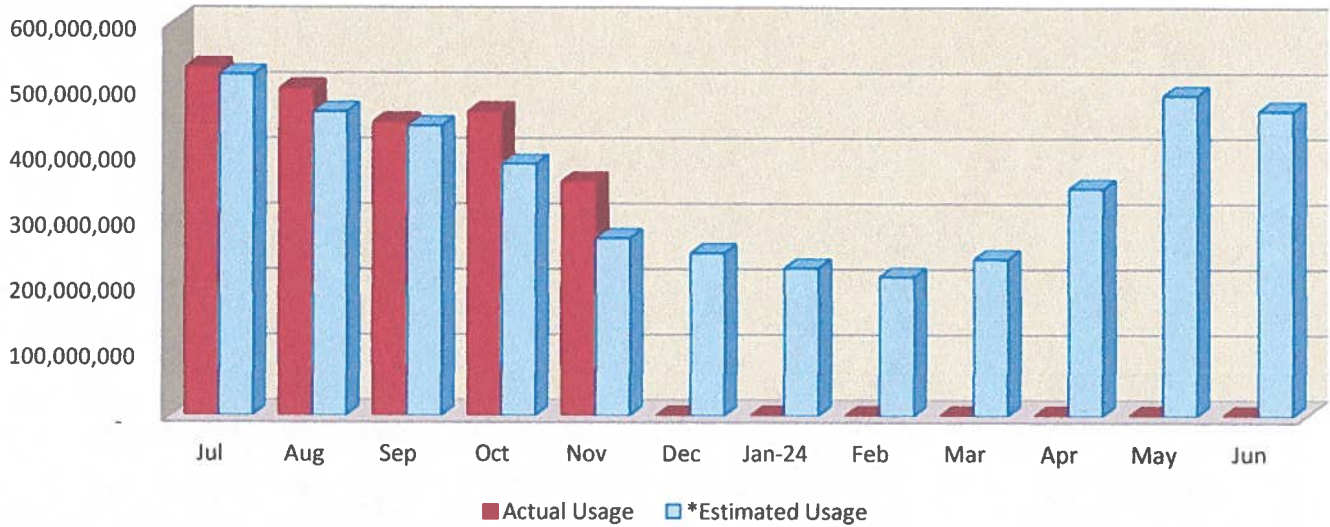
**EDR2** - Operating Budget Status, Ending October 31, 2023

**EDR3** - Summary of Activities.

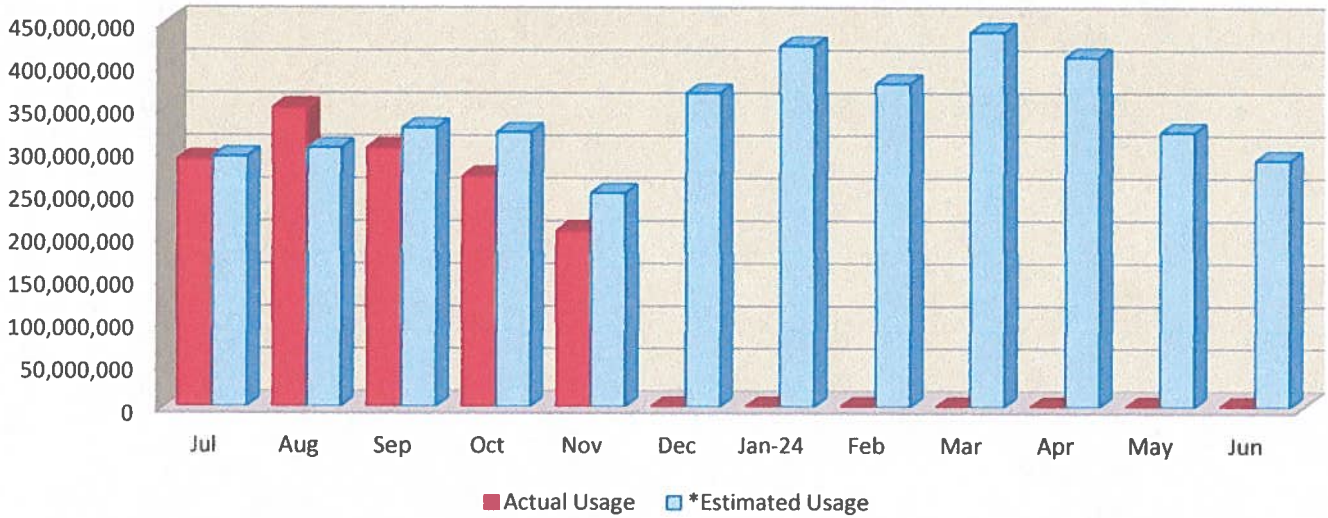
**EDR4** – Proposed Budget Calendar for 2024

**Action Requested:** For information purposes.

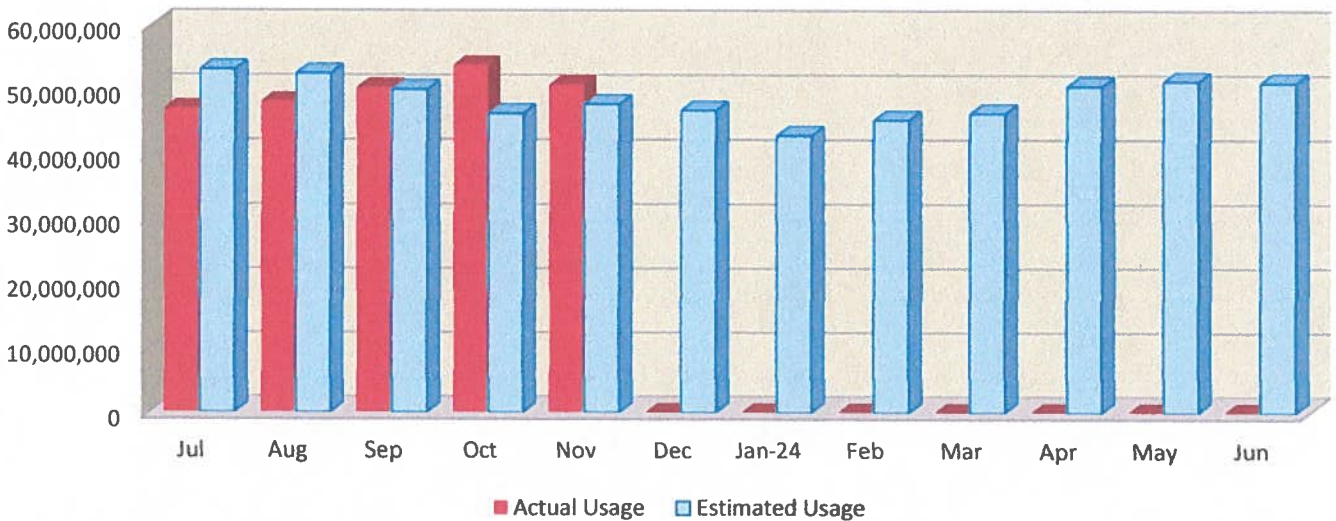
### Brunswick County Water Usage FY 23-24



### CFPUA Water Usage FY 23-24



### Pender County Water Usage FY 23-24



OPERATING FUND BUDGET PERFORMANCE

Jul-1 through Oct 31

Income	Approved		Jul 1- Oct 31	Jul 1- Oct 31	Jul 1- Oct 31	Budget As of 10/31/2023
	Annual Budget	Annual Budget	Kings Bluff	Bladen Bluffs	OF BUDGET	
<b>3000-01 · OPERATING REVENUE</b>						
3001-01 · 01 Bruns County Public Utility	1,725,765	1,755,135	777,208		777,208	45%
3002-01 · 01 CFPUA	1,652,562	1,652,562	486,096		486,096	29%
3003-01 · 01 Pender County	234,160	234,160	80,025		80,025	34%
3004-01 · 01 HWY 421 - Invista	200,000	200,000	40,816		40,816	20%
3005-01 · 01 Praxair, Inc	100,000	90,784	5,622		5,622	6%
3006-01 · 01 Bladen Bluffs Revenue	4,938,603	4,938,603		1,511,591	1,511,591	31%
Bladen Admin Reimb	110,473	110,473		52,918	52,918	48%
3007-01 · Sales Tax Refund Revenue	100,000	100,000		0	0	0%
<b>Total 3000-01 · OPERATING REVENUE</b>	<b>9,061,563</b>	<b>9,081,717</b>	<b>1,389,767</b>	<b>1,564,509</b>	<b>2,954,276</b>	<b>33%</b>
<b>3100-00 · OF NONOPERATING REVENUE</b>						
3120-00 · Revenue-Other						
Interest & Investment Revenue	500	9,716	9,716		9,716	100%
FEMA Reimbursement	0	0	0		0	0%
Refunds / Insurance Proceeds/ Other	0	0	432		432	0%
3180-00 · SRF/Parallel Revenue	2,500,000	2,500,000	97,134		97,134	4%
3900-01 R&R Fund Appropriated	0	0	0		0	0%
2900-00 Fund Balance	0	0	0		0	0%
<b>Total 3100-00 · OF NONOPERATING REVENUE</b>	<b>2,500,500</b>	<b>2,509,716</b>	<b>107,281</b>	<b>0</b>	<b>107,281</b>	<b>4%</b>
<b>Total Income</b>	<b>11,562,063</b>	<b>11,591,433</b>	<b>1,497,048</b>	<b>1,564,509</b>	<b>3,061,558</b>	<b>26%</b>
<b>Expense</b>						
<b>4000-01 · ADMINISTRATION EXPENDITURES</b>						
4001-01 · Salary - gross	203,530	203,530	48,536	20,353	68,889	34%
4010-01 · Per Diem= mileage+per diem pay	64,001	64,001	12,005	6,400	18,405	29%
4012-01 · Vehicle Allowance	5,200	5,200	1,280	520	1,800	35%
4070-02 · Phone Allowance	520	520	128	52	180	35%
4015-01 · Payroll Taxes	20,953	20,953	4,602	2,095	6,698	32%
4029-01 · Retirement Employer's Part	26,153	26,153	5,504	2,615	8,119	31%
4035-01 · 401K Employer PD Contribution	11,312	11,312	2,616	1,131	3,747	33%
4036-01 · Payroll Processing Exp	2,900	2,900	843		843	29%
4038-01 · Insurance Group	40,176	40,176	8,650	4,018	12,667	32%
4039-01 · Insurance, Property	103,734	103,734	46,553	10,373	56,926	55%
4046-00 Professional Services General	15,000	15,000	0	0	0	0%
4048-01 · Attorney	50,000	50,000	11,196		11,196	22%
4047-01 · Auditor	8,000	8,000	3,200	2,800	6,000	75%
4048-01 · Engineer	300,000	290,000	21,084		21,084	7%
4049-01 Information Technology	16,000	45,370	5,680		5,680	35%
4055-01 · Office Maint/Repair	24,000	24,000	2,734		2,734	11%
4058-01 Office Utilities	5,000	5,000	766		766	15%
4059-01 Office Expense	14,000	14,000	1,813		1,813	13%
4062-01 Office Equipment	10,000	20,000	14,041		14,041	70%
4064-01 Printing & Advertising	5,000	5,000	1,385		1,385	28%
4065-01 Telephone and Internet	3,500	3,500	1,070		1,070	31%
4070-01 · Travel & Training	29,000	29,000	3,176		3,176	11%
4080-01 · Miscellaneous Expenses	20,000	20,000	7,258		7,258	36%
<b>Total 4000-01 · ADMINISTRATION EXPENDITURES</b>	<b>977,979</b>	<b>1,007,349</b>	<b>204,120</b>	<b>50,358</b>	<b>254,478</b>	<b>26%</b>
<b>4500-01 · OPERATING EXPENDITURES</b>						
4501-00 · Sales Tax Expense - Other	100,000	100,000		35,481	35,481	35%
4510-01 · Bladen Bluffs Expenses	3,324,385	3,324,385		1,182,057	1,182,057	36%
4520-01 · Utilities-Energy Pump Station	786,589	786,589	280,170		280,170	36%
4530-01 · Kings Bluff O&M Expenses	686,749	686,749	132,669		132,669	19%
4535-01 Kings Bluff Hurricane Other FEMA	0	0	0		0	0%
4543-01 · Series 2012 Bond Principal (ST)	0	0	0		0	0%
4544-01 · Series 2012 Bond Interest (ST)	0	0	0		0	0%
4545-01 · Series 2010 Bond Principal (BB)	970,000	970,000		0	0	0%
4546-01 · Series 2010 Bond Interest (BB)	450,000	450,000		154,252	154,252	34%
5180-00 · SRF/Parallel Expenditures	2,500,000	2,500,000		349,850	349,850	14%
7400-01 · Operating Capital Expense	1,286,360	1,286,360		12,000	12,000	1%
4998-05- Transfer to R&R- KB R&R Expense	380,000	380,000		0	0	0%
4998-05- Transfer to Enterprise Fund	100,000	100,000		0	0	0%
<b>Total 4500-01 · OPERATING EXPENDITURES</b>	<b>10,584,083</b>	<b>10,584,083</b>	<b>412,840</b>	<b>1,733,639</b>	<b>2,146,479</b>	<b>20%</b>
<b>Total Expense</b>	<b>11,562,062</b>	<b>11,591,432</b>	<b>616,959</b>	<b>1,783,997</b>	<b>2,408,957</b>	<b>21%</b>



**Executive Director Highlighted Activities:**

- Work with Power Secure to replace digital monitors and recorders for both generators at Kings Bluff
- Schedule Emissions testing for the generators in April 2024 as performed every five years.
- Present Authority formation for Robeson and Columbus Counties at the Lumber River COG
- Participated in the third session of Leadership Brunswick
- Continue work with McKim and Creed regarding CSX easement for the first phase of the 10-mile parallel line.
- Continuing education for Asbestos certification
- Follow up with Southern Software for Board Presentation
- Regular Monthly meeting with Design Build Team and Owner's Advisor for the parallel line project
- Issue RFQ for Financial Advisor
- Advertise for Roof Work at Kings Bluff
- Explore upgrading the Authority Website

# PROPOSED BUDGET CALENDER 2024

January 2024	Meet with Brunswick County Staff and Bladen Bluff Staff to review the next five years' Capital Improvement Needs.
February 1, 2024	Send correspondence to customers requesting estimate of FY 24 Usage
March 11, 2024	Meet with Finance Committee to review current revenues and expenditures.  Present Capital Improvement needs for the next five years to the Finance Committee  Review Capital Improvement Plan for the coming five years.
April 8, 2024	Meet with Finance Committee to review proposed FY 2024-25 Budget for recommendation to the Board
May 13, 2024	Present draft budget to the Board.  Hold Public Hearing on Proposed Budget
June 17, 2024	Adopt proposed FY 2024-25 Annual Budget

## **AGENDA ITEM**

To: CHAIRMAN BLANCHARD AND BOARD MEMBERS

From: TIM H. HOLLOMAN, EXECUTIVE DIRECTOR

Date: December 11, 2023

Re: Closed Session in Accordance with NCGS§143-318.11(a)(3) to consult with attorney in order to preserve the attorney-client privilege.

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)(3) to discuss with our attorney matters within the attorney-client privilege related to the following separate matters:

**The first matter** is a closed session pursuant to N.C.G.S. § 143-318.11(a)(3) to discuss with our attorney matters within the attorney-client privilege related to the following pending lawsuit:

Cape Fear Public Utility Authority, Brunswick County, Lower Cape Fear Water & Sewer Authority, and Town of Wrightsville Beach v. The Chemours Company FC, LLC, E.I. Du Pont De Nemours and Company, and The Chemours Company

United States District Court for the Eastern District of North Carolina, Case No. 7:17-CV-00195-D and Case No. 7:17-CV-00209-D

**The second matter** is a closed session pursuant to N.C.G.S. § 143-318.11(a)(3) to discuss with our attorney a separate matter within the attorney-client privilege.

A motion is made by \_\_\_\_\_ to go into a closed session in accordance with North Carolina General Statute Section 143-318.11(a)(3).

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

Closed Session

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

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