

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

Fiscal Year 2021 - 2022



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June 7th, 2021

Chairman Leonard and Directors:

I am pleased to present the FY 2021-2022 Budget for the Lower Cape Fear Water and Sewer Authority for your review and consideration. The enclosed FY 21-22 Budget has been prepared in accordance with the North Carolina General Statute 159 Article 3 entitled "*The Local Government Budget and Fiscal Control Act.*"

The Public Hearing on the annual budget was held during the regularly scheduled monthly meeting of the Authority Board at 9:00 AM on Monday May 10, 2021 in the conference room of the Authority's offices located 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina.

A legal notice of the public hearing on the budget was published on April 19 and 26th, 2021 in accordance with the General Statutes.

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

The region served by the Authority continues to be one of the fastest growing regions in the nation. The counties served by the Authority have increased in population from 456,941 in 2010 to an estimated population of 545,634 in 2021. This represents a 20% increase in population served by the Authority's customers.

FY 20-21 ACCOMPLISHMENTS

54" PARALLEL RAW WATER TRANSMISSION MAIN

Based upon a Memorandum of Understanding (MOU) executed by the Authority, Brunswick County and Cape Fear Public Utility Authority (CFPUA), the design of a new 54" parallel raw water main from the Kings Bluff Pump Station to the Authority's raw water storage tank located near Brunswick County's Northwest Water Treatment Plant was completed. The project to construct the new 54" main was bid and the project was awarded to Garney Construction Company with a low bid of \$37,203,838. The cost of the project is being funded by Brunswick County

and CFPUA based upon the requirements contained in the MOU. Construction began in FY 19-20 and the pipeline is currently scheduled to be in service before the end of FY 21-22. Garney has installed 53,000 linear feet of the pipeline for total amount of \$26.8 MM. Garney is on schedule to complete the installation of the 54” pipe around July 1. They will still need to make all of the interconnections to the existing lines, install meter vault, and pressure control valves. Budgetary estimate for work completed by June 30th is \$32.9 MM.

When completed, the project will increase the available capacity in the Kings Bluff Raw Water Transmission System from 45 million gallons per day (mgd) to 62 mgd without any improvements to the Kings Bluff Pump Station.

CAPITAL IMPROVEMENT PLAN ALIGNED WITH RATES

For the first time, the Authority took steps to align the CIP to be supported by adequate rates to stabilize various funds and levels to anticipate unexpected emergencies as well as long term needs. A Long-Range Planning Committee was established to make recommendations to the full Board on what needs to be included in Capital Planning and when the rates should be adjusted to support the need for construction, refurbish or expansion.

REMOTE ATTENDANCE POLICY

After emerging from the pandemic, the Authority recognizes the need to address in person and remote attendance at meetings. The Authority adopted a policy regarding attendance to conform to the North Carolina General Statutes and comply with the Authority’s existing By-Laws. The Authority continued to expand the video and audio upgrades to make this more effective.

RECORD KEEPING

All documents were scanned for digital access, including minutes and the Authority now has the capability to share and research documents as well as insure against loss of historical documents.

BLADEN BLUFFS CAPE FEAR RIVER BANK REPAIR PROJECT

In FY 19-20, FEMA awarded the Authority \$502,770 for the repair of damage to the bank of the Cape Fear River near the intake structures for the Bladen Bluffs Regional Water Treatment Plant. The Authority contracted with McKim and Creed for the design of the repairs to the bank. The project was bid in December 2019

and Wells Brothers Construction was the lowest responsive, responsible bidder with a bid of \$221,780. Administrative costs were \$13,552.25 and Engineering costs were \$59,491.61 This project was closed out in September of 2020 and the final FEMA Payment of \$54,289.77 was received in March of 2021. FEMA has yet to do the final inspection as of June 1, 2021.

US ARMY CORPS OF ENGINEERS CAPE FEAR LOCK AND DAM DISPOSITION STUDY

In January 2020, the U. S. Army Corps of Engineers completed their study of the Cape Fear River Locks and Dams and determined that they were no longer needed for commercial navigation which was their federally mandated purpose. As a part of their study, the Corps of Engineers developed three options for the future of the Cape Fear River Locks and Dams. These options are; Corps of Engineers to retain ownership but perform no maintenance; transfer ownership to an interested third party or transfer ownership to a responsible state agency. As the Authority relies on Lock and Dam No. 1 to create a pool of water that results in a safe yield of 106 mgd for potable water usage, the Authority has determined that of the alternatives, transfer to a third party was the best long term option for the Authority and its customers. Negotiations among the utilities and the NC DEQ continue as to which entity would be the best option for ownership of the Cape Fear River Locks and Dams. Any further action on this was halted due to COVID and the resolution is something that the Authority is monitoring even though no movement is expected for three to four years.

FISCAL YEAR 2021-2022 FUND DESCRIPTION

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

BLADEN BLUFFS OPERATING FUND

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

The debt service principal for the Bladen Bluffs Regional Water Treatment Plant for FY 21-22 is \$850,000 to be paid December, 2021. The interest rate on the remaining principal is variable and it is estimated that \$297,500 in interest will be paid based upon current interest rates.

In FY 21-22, expenditures by Smithfield on the operation of the Bladen Bluffs Regional Water Treatment Plant are expected to be \$3,194,127.

The Authority charges approximately 30% of some of the personnel costs and direct costs to Smithfield in recognition of personnel's work performed on Bladen Bluffs Regional Water Treatment Plant related issues such accounts payable, accounting of expenditures, and management of capital projects. On other direct costs such as insurance and audits, Smithfield pays their proportionate share of the costs.

KINGS BLUFF OPERATING FUND

REVENUES

In FY 21-22, the projected water revenues reflect an increase of 6% in the demand over the FY 20-21 projections. The projected water demand for FY 21-22 is 10.12 billion gallons or 27.75 million gallons per day (mgd). By Board approval, the raw water rate increases to FY 21-22 at \$0.3300 per 1,000 gallons. This rate and the projected flow will generate \$3,011,394 in operating revenue. An additional \$94,302 will be generated from administrative charges to Smithfield Foods.

EXPENDITURES

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

In FY 21-22 costs associated with the administration of the Authority is recommended to increase from \$578,473 to \$619,244 The increase is not due to any one major area, just general operating costs across the board.

In FY 21-22, the cost for operating the Kings Bluff Pump Station and the debt service on the improvements that have been constructed at the facility are expected

to increase from \$2,576,397 to \$3,108,396. This year the Operating Fund will be transferring \$75,000 to Renewal and Replacement. \$325,000 is for VFD replacement and Argo purchase.

Debt service payment to New Hanover County started in FY 20-21. The the initial payment to New Hanover County was \$390,000. And the second payment of \$390,000 will take place in FY 2021-22. Final payment of \$258,835 will be in FY 22-23

RENEWAL AND REPLACEMENT FUND

The purpose of this fund is to pay the cost of equipment that needs to be replaced at the Kings Bluff Pump Station. In FY 21-22 there will be no appropriations from this fund because the balance is \$40,727.00. There is an anticipated transfer from the Operational Fund of \$75,000 to bring the R & R fund up to \$115,727 by end of FY 21-22. Over a ten-year period, the projected balance should be \$3,000,000.00 at a minimum.

ENTERPRISE FUND

The Enterprise Fund is the main source of funds for capital projects and major repairs. There are no projects that are budgeted for this fund in FY 21-22. A Capital Project Ordinance would be approved if the need for an additional project arises in FY 21-22.

RIGHT OF WAY FUND

The Right of Way Maintenance Fund was funded by a developer and will be used to repair the roadway constructed with the Authority's easement in Brunswick County. We do not anticipate any expenditures from this fund in FY 21-22.

CONCLUSION

Also, I would like to thank the Finance Committee and the Board for their support and recognition of what resources are needed to keep the Authority moving forward. Furthermore, planning to accommodate future growth and promote business retention and recruitment to the Cape Fear Region is of top concern for the Board.

Respectfully Submitted,

Tim H. Holloman
Executive Director



BUDGET ORDINANCE

FY 2021-2022

Lower Cape Fear Water & Sewer Authority

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

Section 1: The following amounts are hereby appropriated in the **Operating Fund** for the operation of the Authority and its activities for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

APPROPRIATIONS

Administration	\$619,244
Operating Expenses	
Sales Tax Expense	70,000
Operating Capital Expense	325,000
Bladen Bluffs Expense	1,889,330
Utilities/Energy – Kings Bluff Pump Station	789,667
O&M Expense – Kings Bluff	453,609
Transfer to R&R - Kings Bluff R&R Expense	75,000
Series 2012 Revenue Bond-Principal Expense (ST)	601,443
Series 2012 Revenue Bond-Interest Expense (ST)	11,730
Series 2010 Revenue Bond-Principal Expense (BB)	850,000
Series 2010 Revenue Bond-Interest Expense (BB)	297,500
421 Relocation New Hanover County Loan Principal	390,000
TOTAL APPROPRIATIONS	\$6,372,523

Section 2: It is estimated the following revenues will be available in the **Operating General Fund** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

REVENUES

Operating Revenues	
Brunswick County	\$ 1,491,553
Cape Fear Public Utility Authority	1,296,405
Pender County	179,822
Hwy 421	40,000
Praxair	4,314
Bladen Bluffs Revenue	3,194,127
Bladen Bluffs Admin Reimbursement	94,302
Sales Tax Refund	70,000
Non-Operating Revenues	
Interest	2000
Other Revenue	0
Bladen Bluffs FEMA Admin Reimbursement	0
Renewal and Replacement Fund Appropriated	0
TOTAL REVENUES	\$ 6,372,523

Section 3: The Board of Directors of the Lower Cape Fear Water & Sewer Authority hereby establishes a raw water rate of \$0.3300 per 1,000 gallons as of July 1, 2021 for raising the necessary revenue to balance the appropriations noted in Section 1.

Section 4: The following amount is hereby appropriated in the **Operating General Fund** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

APPROPRIATIONS

Operating General Fund – Appropriated for Future Expenditures	\$ 1,703,043
TOTAL APPROPRIATIONS	\$ 1,703,043

Section 5: It is estimated the following revenue will be available in the **Operating General Fund** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

REVENUES

Operating General Fund - Fund Balance	\$ 1,703,043
TOTAL ESTIMATED REVENUES	\$ 1,703,043

Section 6: The following amount is hereby appropriated in the **Enterprise Fund** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

APPROPRIATIONS

Enterprise Fund - Reserve for Future Expenditures	\$ 671,451
TOTAL APPROPRIATIONS	\$ 671,451

Section 7: It is estimated the following revenue will be available in the **Enterprise Fund** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

REVENUES

Enterprise Fund - Fund Balance Appropriated	\$ 671,451
TOTAL ESTIMATED REVENUES	\$ 671,451

Section 8: The following amounts are hereby appropriated in the **Renewal and Replacement Fund (R&R)** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

APPROPRIATIONS

R&R - Reserve for Future Expenditures	\$ 40,727
R&R - Kings Bluff R&R Expense	75,000
TOTAL APPROPRIATIONS	\$ 115,727

Section 9: It is estimated the following revenues will be available in the **Renewal and Replacement Fund** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

REVENUES

R&R - Fund Balance Appropriated	\$ 40,727
Transfer In From Operating Fund	75,000
TOTAL ESTIMATED REVENUES	\$ 115,727

Section 10: The following amount is hereby appropriated in the **Right of Way Maintenance Fund** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

APPROPRIATIONS

Right of Way Fund - Reserve for Future Expenditures	\$ 281,324
TOTAL APPROPRIATIONS	\$ 281,324

Section 11: It is estimated the following revenue will be available in the **Right of Way Maintenance Fund (ROW)** for the fiscal year beginning July 1, 2021, and ending June 30, 2022:

REVENUES

ROW - Fund Balance Appropriated	\$ 281,324
TOTAL ESTIMATED REVENUES	\$ 281,324

Section 10: Copies of this Budget Ordinance shall be furnished to the Finance Officer to be kept on file for direction in the disbursement of funds. This budget acknowledges and approves any transfers between funds expected as revenue from one fund or account specifically in reference to the Bladen Bluffs Administrative transfers as reflected in this budget and any funds in associated Kings Bluff Funds including the Revenue and Replacement Fund, Enterprise Fund, and Right of Way Fund.

Adopted this 7th day of June, 2021

Al Leonard, Chairman

ATTEST:

Norwood Blanchard, Secretary

LOWER CAPE FEAR WATER AND SEWER AUTHORITY
FISCAL YEAR 2021-2022 BUDGET

ACCOUNT NO.	REVENUES	FY 19-20 APPROVED BUDGET	FY 19-20 ACTUALS	FY 20-21 AMENDED BUDGET	FY 20-21 ACTUAL 4/30/2020	PROPOSED FY 21-22 BUDGET		FY 21-22 TOTAL COMBINED BUDGET
						KINGS BLUFFS	BLADEN BLUFFS	
	OPERATING							
3001-01	Brunswick County	\$ 1,290,309	\$ 1,290,309	\$ 1,315,872	\$ 1,096,975	\$ 1,491,553	\$ 1,491,553	\$ 1,491,553
3002-01	Cape Fear Public Utility Authority	\$ 1,102,127	\$ 1,102,127	\$ 1,162,726	\$ 941,518	\$ 1,296,405	\$ 1,296,405	\$ 1,296,405
3003-03	Pender County	\$ 141,838	\$ 141,838	\$ 175,975	\$ 131,469	\$ 179,822	\$ 179,822	\$ 179,822
3004-01	Stephan/Invista	\$ 69,432	\$ 69,432	\$ 46,642	\$ 30,307	\$ 40,000	\$ 40,000	\$ 40,000
3005-01	Praxair, Inc	\$ 2,975	\$ 2,975	\$ 2,989	\$ 1,374	\$ 4,314	\$ 4,314	\$ 4,314
3006-01	Bladen Bluffs Reimbursement for Plant Operation Costs	\$ 2,890,689	\$ 2,890,689	\$ 3,079,409	\$ 2,035,360	\$ 3,194,127	\$ 3,194,127	\$ 3,194,127
3006-02	Bladen Bluffs Administrative Reimbursement	\$ 37,000	\$ 37,000	\$ 81,972	\$ 75,740	\$ 94,302	\$ 94,302	\$ 94,302
3007-01	Sales Tax Refund	\$ 5,034,370	\$ 5,034,370	\$ 5,932,785	\$ 4,379,963	\$ 3,106,396	\$ 3,264,127	\$ 6,370,523
	Subtotal	\$ 5,034,370	\$ 5,034,370	\$ 5,932,785	\$ 4,379,963	\$ 3,106,396	\$ 3,264,127	\$ 6,370,523
	Non-Operating							
3105-01	Interest	\$ -	\$ 8,775	\$ 25,321	\$ 2,299	\$ 2,000	\$ -	\$ 2,000
3120-01	Other Revenue (Insurance Proceeds/FEMA)	\$ -	\$ 71,372	\$ 31,000	\$ 75,142	\$ -	\$ -	\$ -
3125-01	Federal Tax Subsidy	\$ 8,775	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3170-01	Transfer In	\$ -	\$ -	\$ 60,000	\$ 238,584	\$ -	\$ -	\$ -
3900-01	Renewal and Replacement Fund Appropriated	\$ -	\$ 174,473	\$ 192,189	\$ -	\$ -	\$ -	\$ -
2900-00	Fund Balance Appropriated	\$ -	\$ 254,620	\$ 323,010	\$ 330,525	\$ 2,000	\$ -	\$ 2,000
	Subtotal	\$ 8,775	\$ 254,620	\$ 323,010	\$ 330,525	\$ 2,000	\$ -	\$ 2,000
	TOTAL REVENUES	\$ 5,043,145	\$ 5,288,990	\$ 6,255,795	\$ 4,710,488	\$ 3,108,396	\$ 3,264,127	\$ 6,372,523

LOWER CAPE FEAR WATER AND SEWER AUTHORITY
FISCAL YEAR 2021-2022 BUDGET

ACCOUNT NO.	EXPENDITURES	FY 19-20 APPROVED BUDGET	FY 19-20 ACTUALS	FY 20-21 AMENDED BUDGET	FY 20-21 ACTUAL 4/30/2020	PROPOSED FY 21-22 BUDGET		FY 21-22 TOTAL COMBINED BUDGET
						KINGS BLUFFS	BLADEN BLUFFS	
	Administration							
4001-01	Salaries	\$ 167,169	\$ 163,169	\$ 171,506	\$ 147,372	\$ 118,027	\$ 50,583	\$ 168,610
4010-01	Per Diem and Mileage Board Members	\$ 50,000	\$ 62,500	\$ 58,600	\$ 42,593	\$ 43,750	\$ 18,750	\$ 62,500
4012-01	Vehicle Allowance	\$ -	\$ 1,000	\$ 5,200	\$ 4,400	\$ 3,640	\$ 1,560	\$ 5,200
4019-01 84024-01	FICA Taxes	\$ 15,823	\$ 16,823	\$ 19,702	\$ 14,968	\$ 12,577	\$ 5,390	\$ 17,967
4029-01	Retirement	\$ 15,663	\$ 12,663	\$ 22,290	\$ 15,023	\$ 12,865	\$ 5,514	\$ 18,379
4035-01	401K Plan	\$ 4,926	\$ 3,626	\$ 5,475	\$ 4,010	\$ 3,331	\$ 1,427	\$ 4,758
4036-01	Miscellaneous Payroll Expenses	\$ 2,250	\$ 2,250	\$ 2,900	\$ 2,028	\$ 2,900	\$ -	\$ 2,900
4038-01	Group Insurance	\$ 40,039	\$ 40,039	\$ 50,460	\$ 30,202	\$ 28,637	\$ 12,273	\$ 40,910
4039-01	Property and Liability Insurance	\$ 143,382	\$ 112,982	\$ 138,000	\$ 103,812	\$ 60,900	\$ 26,100	\$ 87,000
4046-01	Attorney	\$ 15,000	\$ 53,226	\$ 40,000	\$ 15,538	\$ 21,000	\$ 9,000	\$ 30,000
4047-01	Auditor	\$ 12,000	\$ 12,000	\$ 8,200	\$ 8,200	\$ 6,300	\$ 2,700	\$ 9,000
4048-01	Engineer	\$ 30,656	\$ 58,156	\$ 70,500	\$ 9,300	\$ 49,000	\$ 21,000	\$ 70,000
4049-01	Information Technology	\$ -	\$ -	\$ 3,000	\$ 680	\$ 7,000	\$ 3,000	\$ 10,000
4055-01	Office Maintenance/Repair/Common Charge	\$ 21,000	\$ 31,400	\$ 14,000	\$ 15,404	\$ 17,000	\$ -	\$ 17,000
4058-01	Office Utilities	\$ -	\$ -	\$ 5,000	\$ 4,282	\$ 7,000	\$ -	\$ 7,000
4059-01	Office Expenses (telephone, Printing,Adv)	\$ -	\$ -	\$ 29,000	\$ 32,681	\$ 35,000	\$ -	\$ 35,000
4070-01	Travel and Training	\$ 10,072	\$ 15,841	\$ 15,000	\$ 13,591	\$ 17,500	\$ -	\$ 17,500
4075-01	Phone Allowance	\$ -	\$ -	\$ -	\$ -	\$ 520	\$ -	\$ 520
4075-01	Vehicle Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4080-01	Miscellaneous Expense	\$ 7,000	\$ 7,000	\$ 17,000	\$ 7,255	\$ 15,000	\$ -	\$ 15,000
	Subtotal	\$ 534,980	\$ 592,675	\$ 675,833	\$ 471,339	\$ 461,947	\$ 157,297	\$ 619,244
	Operating							
4501-01	Sales Tax Expense	\$ 37,000	\$ 37,000	\$ 56,000	\$ 45,317	\$ -	\$ 70,000	\$ 70,000
4510-01	Bladen Bluffs O & M	\$ 1,200,000	\$ 1,200,000	\$ 1,882,430	\$ 1,466,963	\$ -	\$ 1,889,330	\$ 1,889,330
4515-01	Bladen Bluffs Hurricane Florence	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4520-01	Utilities/Energy Kings Bluff	\$ 743,660	\$ 768,319	\$ 863,550	\$ 538,784	\$ 789,667	\$ -	\$ 789,667
4530-01	Contract O & M Kings Bluff	\$ 432,000	\$ 595,491	\$ 453,609	\$ 239,673	\$ 453,609	\$ -	\$ 453,609
4537-01	O&M Kings Booster Pump Bluff Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4541-01	Combined Enterprise Funded Series 2010 Principal	\$ 371,457	\$ 371,457	\$ 589,940	\$ -	\$ -	\$ -	\$ -
4542-01	Combined Enterprise Funded Series 2010 Interest	\$ 20,876	\$ 20,876	\$ 23,232	\$ 11,616	\$ -	\$ -	\$ -
4543-01	Combined Enterprise System Ref Series 2012 Principal	\$ 578,656	\$ 578,656	\$ 790,000	\$ 790,000	\$ 601,443	\$ -	\$ 601,443
4544-01	Combined Enterprise System Ref Series 2012 Interest	\$ 34,516	\$ 34,516	\$ 275,000	\$ 19,776	\$ 11,730	\$ -	\$ 11,730
4545-01	Bladen Bluffs Debt Service Principal	\$ 740,000	\$ 740,000	\$ -	\$ -	\$ -	\$ 850,000	\$ 850,000
4546-01	Bladen Bluffs Debt Service Interest	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 297,500	\$ 297,500
	Operating Capital Expense	\$ -	\$ -	\$ 196,201	\$ -	\$ 325,000	\$ -	\$ 325,000
4998-05	Transfer to R&R - Kings Bluff R&R Expense	\$ -	\$ -	\$ 390,000	\$ 390,000	\$ 75,000	\$ -	\$ 390,000
2041-01	421 Relocation New Hanover County Loan Principal	\$ -	\$ -	\$ 5,519,962	\$ 3,502,129	\$ 2,646,449	\$ 3,106,830	\$ 5,753,279
	Subtotal	\$ 4,508,165	\$ 4,696,315	\$ 6,195,795	\$ 3,973,468	\$ 3,108,396	\$ 3,264,127	\$ 6,372,523
	TOTAL EXPENDITURES	\$ 5,043,145	\$ 5,288,990	\$ 6,195,795	\$ 3,973,468	\$ 3,108,396	\$ 3,264,127	\$ 6,372,523

WATER REVENUE ESTIMATES AND WATER RATE CALCULATION

Raw Water Customer	FLOWS			
	FY 19-20	FY 20-21 Projected	FY 20-21 Actual	FY 21-22 Projected
	Actual		(as of 12-31-2019)	
Brunswick County	5,106,757	4,749,000	2,716,801	4,522,777
CFPUA	4,600,486	4,056,000	1,664,859	3,928,500
Pender County	586,486	522,000	300,972	544,915
Stephan	277,010	256,000	115,678	121,212
Praxair	11,000	11,000	4,000	11,000
	10,581,739	9,594,000	4,802,310	9,128,404

Raw Water Customer	REVENUES			
	FY 19-20	FY 20-21 Projected	FY 20-21 Actual	FY 21-22 Projected
	Actual		(as of 12-31-2020)	
RATE PER 1,000 GALLONS	\$ 0.2717	\$ 0.2717	\$ 0.2717	\$ 0.330
Brunswick County	\$ 1,387,506	\$ 1,290,303	\$ 738,155	\$ 1,491,553
CFPUA	\$ 1,249,952	\$ 1,102,015	\$ 452,342	\$ 1,296,405
Pender County	\$ 159,348	\$ 141,827	\$ 81,774	\$ 179,822
Stepan	\$ 75,264	\$ 69,555	\$ 31,430	\$ 40,000
Praxair	\$ 2,989	\$ 2,989	\$ 1,087	\$ 3,614
	\$ 2,875,058	\$ 2,606,690	\$ 1,304,788	\$ 3,011,394

KINGS BLUFF EXPENSES	
ADMINISTRATION	\$ 461,947
OPERATING INCLUDING DEBT SERVICE	\$ 2,646,449
TOTAL EXPENSES	\$ 3,108,396

KINGS BLUFF REVENUES	
WATER SALES BASED ON CURRENT RATE	\$ 3,011,394
OTHER REVENUES	\$ 97,002
TOTAL REVENUES	\$ 3,108,396

BRUNSWICK COUNTY
PROJECTED WATER USE
FOR JULY 1, 2021 THROUGH JUNE 30, 2022
WATER RATE OF \$0.33 / 1,000 GALLONS

Month	Estimated Usage	Cumulative Total
July 2021	530,850,048.20	530,850,048.20
August	449,361,006.61	980,211,054.82
September	411,617,791.56	1,391,828,846.38
October	404,775,039.24	1,796,603,885.61
November	296,785,226.07	2,093,389,111.69
December	290,143,340.54	2,383,532,452.23
January 2022	291,381,528.04	2,674,913,980.27
February	297,993,920.74	2,972,907,901.02
March	284,893,543.10	3,257,801,444.11
April	375,135,182.51	3,632,936,626.63
May	503,430,853.35	4,136,367,479.98
June	526,289,292.41	4,662,656,772.39
TOTAL	4,662,656,772.39	
Annual Daily Average:		\$ 1,538,676.73

CAPE FEAR PUBLIC UTILITY AUTHORITY

PROJECTED WATER USE

FOR JULY 1, 2021 THROUGH JUNE 30, 2022

WATER RATE OF \$0.33 / 1,000 GALLONS

Month	Estimated Usage	Cumulative Total
July 2021	288,000,000.00	288,000,000.00
August	298,000,000.00	586,000,000.00
September	321,000,000.00	907,000,000.00
October	316,000,000.00	1,223,000,000.00
November	246,000,000.00	1,469,000,000.00
December	361,000,000.00	1,830,000,000.00
January 2022	415,000,000.00	2,245,000,000.00
February	372,000,000.00	2,617,000,000.00
March	431,000,000.00	3,048,000,000.00
April	402,000,000.00	3,450,000,000.00
May	316,000,000.00	3,766,000,000.00
June	284,000,000.00	4,050,000,000.00
TOTAL	4,050,000,000.00	
Annual Daily Average:	11,095,890.41	\$ 1,336,500.00

PENDER COUNTY

PROJECTED WATER USE

FOR JULY 1, 2021 THROUGH JUNE 30, 2022

WATER RATE OF \$0.33 / 1,000 GALLONS

Month	Estimated Usage	Cumulative Total
July 2021	53.08	53.08
August	52.68	105.76
September	50.20	155.96
October	47.43	203.39
November	44.41	247.80
December	43.25	291.05
January 2022	41.33	332.38
February	40.67	373.05
March	44.24	417.29
April	45.49	462.78
May	48.74	511.52
June	50.25	561.77
TOTAL	561.77	
Annual Daily Average:	1.54	Annual Revenue
	\$	0.19

PERSONNEL COST

Employee	Adopted FY 20-21	Proposed FY 21-22	Notes
	Salary		
Executive Director	\$ 110,000.00	\$ 112,200.00	2% COLA
Administrative Assistant Part-Time	\$ 53,206.00	\$ 46,410.00	2% COLA
	\$ -	\$ 10,000.00	
	\$ 163,206.00	\$ 168,610.00	
	Board		
Board Per Diem and Mileage	\$ 62,500.00	\$ 62,500.00	
	Social Security		
Executive Director	\$ 8,415.00	\$ 9,593.10	8.55 % of Salary
Administrative Assistant Part-Time	\$ 4,070.26	\$ 3,968.06	8.55 % of Salary
	\$ -	\$ 855.00	8.55% of Salary
Board Members	\$ 3,515.85	\$ 3,550.95	8.55% of Salary
	\$ 16,001.11	\$ 17,967.11	
	Retirement		
Executive Director Part-Time	\$ 11,990.00	\$ 12,734.70	11.35%
Administrative Assistant	\$ 5,075.85	\$ 5,267.54	11.35%
	\$ 17,065.85	\$ 19,137.24	
	Health Insurance		
Executive Director	\$ 18,130.00	\$ 18,130.00	Assumes Coverage of Employee
Administrative Assistant	\$ 18,130.00	\$ 18,130.00	Assumes Coverage of Employee
	\$ 36,260.00	\$ 36,260.00	
	401 K Contribution		
Executive Director	\$ 3,300.00	\$ 3,366.00	3.0% of the salary
Administrative Assistant	\$ 1,596.18	\$ 1,392.30	3.0% of the salary
	\$ 4,896.18	\$ 4,758.30	

BOARD MEMBER COST

Board Member Salaries and Mileage Reimbursement	
Salary for Board Member per meeting	\$ 300
Salary for Chairman Per Board Meeting	\$ 330
Total Salary Costs	\$ 50,760.00 Based upon 12 meetings per year
Current Board Total Mileage	875
Current IRS Mileage Rate	\$ 0.560 per mile
Total Mileage Cost Per Year	\$ 5,880.00
Total for Budget	\$ 56,640.0
Round to \$50,000 increase of committee meetings outside of normal meetings	
Social Security	\$ 3,883
Breakfast	\$ 174.65 per month \$ 2,095.80
	\$ 62,618.9

BLADEN BLUFFS ADMINISTRATIVE COST CALCULATION

Employee	Allocation		Bladen Bluffs Allocation
		SALARY	
Executive Director		\$112,200.00	
Administrative Assistant		\$46,410.00	
Part Time		\$10,000.00	
		\$168,610.00	\$50,583.00
Board Per Diem, Mileage and Expense		\$62,618.00	\$18,785.40
		VEHICLE ALLOWANCE	
Executive Director		\$5,200.00	\$1,560.00
		\$520.00	\$156.00
		FICA	
Executive Director		\$9,593.10	
Administrative Assistant		\$3,968.05	
Part Time		\$855.00	
Board Members		\$3,580.20	
		\$17,996.35	\$5,398.91
		RETIREMENT	
Executive Director		\$12,229.80	
Administrative Assistant		\$1,090.00	
Part Time		\$5,058.69	
		\$18,378.49	\$5,513.55
		HEALTH INSURANCE	
Executive Director		\$18,130.00	
Administrative Assistant		\$18,130.00	
		\$36,260.00	\$10,878.00
		401K	
Executive Director		\$3,366.00	
Administrative Assistant		\$1,392.30	
		\$4,758.30	\$1,427.49
			\$94,302.34

BLADEN BLUFFS ADMINISTRATIVE COST CALCULATION CONTINUED

ATTORNEY	\$	9,000
ENGINEER	\$	21,000
AUDITOR	\$	2,700
ADMINISTRATIVE COST FROM FIRST SHEET	\$	<u>94,302</u>
	\$	127,002
INSURANCE PROPERTY & LIABILITY		
Total cost of Property and Liability Insurance is \$86,278.00		
Bladen Bluffs share is		
based upon percent	\$	<u>26,100</u>
Total Annual Admin Cost	\$	153,102

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

COUNTY OF BRUNSWICK
 Fiscal Year 2020-2021 Budget

Dept.#	Item #	Description	Prior Years Actuals		2020 Amended Budget	2020 Original Budget @ 7/1/19	2020 Actual @ 12/31/2019	2020 % Received/ Expended @ Department	Input Column 2021
			2018	2019					
617150	332000	State Revenues - Restricted	216,000	-	-	-	0%	-	
617150	383927	LCFWSA O and M Reimbursement	368,743	367,518	492,304	390,985	25%	442,652	
617150		Add New Revenue Line Item In Space Below:					0%	-	
617150							0%	-	
		Total Revenues	584,743	367,518	492,304	390,985	25%	442,652	
617150	412100	Salary & Wages - Regular	79,687	65,465	100,121	100,121	52%	103,258	
617150	412200	Salaries & Wages - Overtime	5,787	19,200	4,000	4,000	76%	4,000	
617150	412203	Salaries & Wages - Pager on Call	6,687	7,279	6,600	6,600	68%	9,078	
617150	412204	Salary & Wages - Call Back	119	137	3,000	3,000	4%	3,000	
617150	412400	Salary & Wages - Wage Adj	-	-	-	-	0%	-	
617150	412600	Salaries & Wages - Temp / Part	-	-	10,500	27,000	0%	27,000	
617150	412700	Salary & Wages - Longevity	2,155	1,542	1,282	1,282	0%	2,111	
617150	412990	Salary and Wages Reimbursements	17,267	23,110	-	-	0%	-	
617150	417100	Board Meeting Fees	-	-	-	-	0%	-	
617150	418100	FICA	7,251	7,209	10,863	10,863	41%	11,356	
617150	418200	Retirement	11,734	11,938	16,112	16,112	52%	18,472	
617150	418300	Health Insurance	13,754	8,733	17,476	17,476	46%	16,290	
617150	418301	Retired Emp Health under 65	-	-	-	-	0%	-	
617150	418302	Medicare Suppnt & Pharmacy	-	-	-	-	0%	-	
617150	418303	Workers Compensation Insurance	5,286	5,924	5,125	5,125	100%	5,125	
617150	418304	Unemployment Insurance	-	-	-	-	0%	-	
617150	418306	Life Insurance	129	74	200	200	24%	200	
617150	418310	Dental Insurance	-	358	576	576	50%	696	
617150	418400	Disability & Long - Term Ins	250	199	330	330	49%	341	
617150	418900	Fringe Benefits Reimbursements	6,477	8,616	-	-	0%	-	

617150	421200	Uniforms	161	445	900	900	900	-	0%	1,200
617150	425101	Fuel - Emergency Generator	-	-	500	500	500	-	0%	14,625
617150	426000	Supplies and Materials	-	418	500	500	500	62	12%	500
617150	426002	Departmental Supplies	1,545	932	2,000	2,000	2,000	1,431	72%	2,000
617150	426010	Computer Software	-	-	500	500	500	-	0%	500
617151	426200	Operating Equip \$500 - \$4,999	-	-	-	-	-	-	0%	-
617150	431100	Travel - Mileage	2,129	2,711	2,000	2,000	2,000	696	35%	2,000
617150	431200	Travel - Subsistence	-	-	250	250	250	-	0%	250
617150	431500	Travel - Registrations	-	-	5,500	300	300	5,200	95%	1,000
617150	432150	Cell Phone Reimbursement	975	713	1,000	1,000	1,000	650	65%	1,300
617150	432500	Postage	36	24	50	50	50	10	20%	50
617150	435100	Repair and Maint - Building	938	-	8,500	8,500	8,500	-	0%	8,500
617150	435102	Repair and Maint - Grounds	-	-	300	300	300	-	0%	300
617150	435200	Repair and Maint - Equipment	143,588	94,645	176,881	55,000	12,802	12,802	7%	63,000
617150	435203	Repair and Maint - Instrument	2,852	26,143	24,800	30,000	3,230	3,230	13%	30,000
617150	435208	Repair and Maint - Roadways	-	-	2,000	2,000	2,000	-	0%	2,000
617150	435217	R and M - Transmission Mains	216,000	-	-	-	-	-	0%	-
617150	439900	Contract Services	25,974	57,238	26,000	9,500	24,914	24,914	96%	9,500
617150	441400	Rent of Equipment	2,780	1,569	4,173	2,000	3,731	3,731	89%	2,000
617150	444000	Service and Maint Contracts	31,181	21,548	80,300	83,000	2,829	2,829	4%	83,000
617150	449913	CY FEMA Event 1	-	-	527	-	526	526	100%	-
617150	454000	Vehicles On Road	-	-	-	-	-	-	0%	-
617150	454500	Vehicles Off Road	-	-	-	-	-	-	0%	-
617150	455000	Equipment	-	-	-	-	-	-	0%	20,000
617150	458000	Buildings	-	-	-	-	-	-	0%	-
617150	459000	Improvements	-	1,349	-	-	-	-	0%	-
Add New Expenditure Line Item In Space Below:										
617150			584,743	367,518	512,866	390,985	151,091	151,091	29%	442,652
Total Expenditures										
Revenues Over(Under) Expenditures			(0)	-	(20,562)	-	(30,255)			-

OPERATING FUND CAPITAL EXPENDITURES	
EQUIPMENT TO BE REPLACED	REPLACEMENT COST
ARGO	\$ 60,000
VFD COMPONENT REPLACEMENT	\$ 250,000
VIDEO EQUIPMENT FOR CONFERENCE ROOM	\$ -
COMPUTER NETWORKING	\$ -
PHONE SYSTEM	\$ -
TRANSFER TO RENEWAL AND REPLACEMENT	\$ 75,000
MISCELLANEOUS	\$ <u>15,000</u>
TOTAL	\$ 400,000

LOWER CAPE FEAR DEBT SERVICE SCHEDULE

KINGS BLUFFS RAW WATER PUMP STATION

	Date of Payment	Interest Rates	Old Balance	Principal Payment	Interest Payment	Total Series Payment	Total Bi-Annual Payment	Total Annual Payment
FY 21-22								
Series 2012 SUNTRUST	11/1/2021	1.9500%	601,443.64	0.00	5,864.08	5,864.08	5,864.08	
Series 2012 SUNTRUST	5/1/2022	1.9500%	601,443.64	601,443.64	5,864.08	607,307.72	997,307.72	1,003,171.80
NHC CONTRACT 19-0343	5/1/2022	2.0000%	523,346.60	390,000.00	0.00	390,000.00		
FY 22-23								
NHC CONTRACT 19-0343	5/1/2023	2.0000%	239,634.63	239,634.63	19,200.00	258,834.63	258,834.63	258,834.63

BLADEN BLUFFS REGIONAL SURFACE WATER TREATMENT SYSTEM
 VARIABLE RATE SPECIAL FACILITY REVENUE BONDS (BLADEN BLUFFS PROJECT SERIES 2010)

**NEW HANOVER COUNTY HWY 421 WATER MAIN RELOCATION LOAN
REQUESTS FOR FUNDING FROM NEW HANOVER COUNTY**

Period Ending	County Interest Owed	LCFWSA Interest Payment	County Principal Owed	LCFWSA Principal Payment	LCFWSA Total Payment	Fiscal Yr Totals
8/1/2020	\$25,666.66	\$25,666.66	\$0.00	\$0.00	\$25,666.66	
2/1/2021	\$26,400.00	\$26,400.00	\$480,000.00	\$337,933.34	\$364,333.34	390,000.00
8/1/2021	\$19,200.00	\$19,200.00	\$0.00	\$0.00	\$19,200.00	
2/1/2022	\$19,200.00	\$19,200.00	\$480,000.00	\$351,600.00	\$370,800.00	390,000.00
8/1/2022	\$9,600.00	\$9,600.00	\$0.00	\$0.00	\$9,600.00	
2/1/2023	\$9,600.00	\$9,600.00	\$480,000.00	239,634.63	\$249,234.63	258,834.63
6 Payments	109,666.66	\$109,666.66	1,440,000.00	\$929,167.97	\$1,038,834.63	\$1,038,834.63

Proceeds Distributed to LCFW: 915,346.00
 Closing Costs Paid from Proceeds: 13,821.97
 Total Loan Distributed for LCFV: 929,167.97
 Total Par Amount: 1,440,000.00
 Remaining Proceeds: 510,832.03

Total Principal & Interest Paid: 1,549,666.66
 Less: Remaining Proceeds: 510,832.03
 Amount of repayment required: 1,038,834.63

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

KINGS BLUFF CIP PROJECTS	0.33 FY2022	0.33 FY2023	0.38 FY 2024	0.38 FY2025	0.38 FY 2026	PROJECT TOTALS
INTERMEDIATE BOOSTER PUMP STATION SHELTER		\$600,000.00	\$300,000.00			\$900,000.00
ENGINEERING AND PERMITTING		\$250,000.00				\$250,000.00
SURVEYING		\$60,000.00				\$60,000.00
VFD	\$250,000.00					\$250,000.00
V,TRW PUMP		\$250,000.00				\$250,000.00
ROW MAINTENANCE		\$35,000.00	\$35,000.00	\$35,000.00		\$140,000.00
ROW CLEARING			\$225,000.00	\$225,000.00		\$450,000.00
SCADA UPGRADE			\$125,000.00	\$125,000.00		\$125,000.00
REBUILD EXISTING HIGH SERVICE PUMP MOTORS						
TRANSFER TO RENEWAL AND REPLACEMENT	\$75,000.00	\$120,000.00	\$675,000.00	\$350,000.00	\$320,000.00	\$1,540,000.00
ANTI VORTEXING			\$50,000.00	\$50,000.00		\$150,000.00
4TH PUMP/BACKWASH/WALKWAY			\$360,000.00	\$360,000.00		\$1,080,000.00
REPLACE GENERATOR RADIATORS				\$680,000.00	\$680,000.00	\$1,360,000.00
WALKWAY REPLACEMENT AND AIR BACKWASH BUILDING						
VEHICLE REPLACEMENT/ARGO/FORKLIFT	\$60,000.00	\$70,000.00	\$50,000.00			\$180,000.00
TOTALS KINGS BLUFF PROJECTS	\$385,000.00	\$1,385,000.00	\$1,695,000.00	\$1,825,000.00	\$1,445,000.00	\$6,735,000.00
KINGS BLUFF CIP-SOURCES	FY 2022	FY2022	FY 2024	FY 2025	FY 2026	SOURCE TOTALS
OPERATING CAPITAL	\$385,000.00	\$1,385,000.00	\$1,335,000.00	\$785,000.00	\$405,000.00	\$4,295,000.00
CAPITAL RESERVES						
DEBT PROCEEDS			\$360,000.00	\$1,040,000.00	\$1,040,000.00	\$2,440,000.00
GRANT						
OTHER SOURCE						
TOTAL KINGS BLUFF SOURCES	\$385,000.00	\$1,385,000.00	\$1,695,000.00	\$1,825,000.00	\$1,445,000.00	\$6,735,000.00