



City of Brevard

North Carolina

WASTEWATER TREATMENT FACILITY

ANNUAL BUDGET ESTIMATE - EXPENDITURE
Amended - 2019-2020

CITY OF BREVARD
FY 2018-2019

Account	2017 - 2018	2018 - 2019	4/30/2019	2018 - 2019		2019 - 2020		Approved
	Actual (\$)	Budget (\$)	Actual (\$)	Estimate	%Remaining	Requested	Recommended	
Fund: 30 Utility Fund								
30-8220-0200 Salaries - Reg	343,590.00	382,618.00	300,487.00		21		390,525.00	
30-8220-0210 Salaries - Reg - Ot	20,944.00	15,000.00	13,440.00		10		15,000.00	
30-8220-0500 Fica	26,205.00	30,418.00	22,766.00		25		31,023.00	
30-8220-0600 Group Insurance	90,852.00	94,990.00	94,990.00				109,600.00	
30-8220-0700 Retirement	26,801.00	31,133.00	24,548.00		21		36,619.00	
30-8220-0925 Pro Services	32,785.00	47,000.00	26,035.00		45		35,000.00	
30-8220-1000 Training	1,055.00	2,400.00	365.00		85		2,400.00	
30-8220-1100 Telephone	9,296.00	8,900.00	6,987.00		21		9,300.00	
30-8220-1300 Utilities	144,357.00	133,000.00	116,594.00		12		135,660.00	
30-8220-1400 Travel	1,143.00	2,800.00	403.00		86		1,500.00	
30-8220-1500 M & R Buildings	24,761.00	48,571.00	48,993.00		-1		26,571.00	

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	Actual (\$)	Budget (\$)	Actual (\$)	Estimate	%Remaining	Requested	Recommended	Approved
30-8220-1600 M & R Equipment	97,444.00	101,000.00	19,328.00		81		86,500.00	
30-8220-1700 M & R Autos & Trucks	7,206.00	13,000.00	9,064.00		30		13,000.00	
30-8220-3100 Automotive Supplies	10,998.00	15,000.00	14,177.00		5		13,000.00	
30-8220-3200 Office Supplies	798.00	3,000.00	800.00		73		1,000.00	
30-8220-3300 Dept Supl & Mail	13,293.00	16,000.00	11,553.00		28		15,000.00	
30-8220-3400 Other Supl & Mail	369,591.00	321,900.00	245,227.00		24		331,800.00	
30-8220-3600 Uniforms	3,578.00	6,000.00	2,661.00		56		4,000.00	
30-8220-4500 Contracted Services	140,341.00	136,900.00	109,554.00		20		166,900.00	
30-8220-5300 Dues & Subscriptions	520.00	1,000.00	447.00		55		1,000.00	
30-8220-5400 Insurance & Bonds	11,575.00	14,050.00	13,873.00		1		14,050.00	
30-8220-7200 Cap Out - Bldgs							31,229.00	
30-8220-7300 Cap Outlay - Other Imp	118,234.00	46,861.00	34,910.00		26			

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	Actual (\$)	Budget (\$)	Actual (\$)	Estimate	%Remaining	Requested	Recommended	Approved
30-8220-7400 Cap Out - Equip							197,562.00	
Total	\$1,495,367.00	\$1,471,541.00	\$1,117,202.00				\$1,668,239.00	
Report Total Expenditure	\$1,495,367.00	\$1,471,541.00	\$1,117,202.00				\$1,668,239.00	

Wastewater Treatment Facility & Maintenance	FY 17-18 ACTUAL	FY 18-19 BUDGET	Estimated FY 18-19 ACTUAL	Proposed FY 19-20 BUDGET
Salaries, Wages, Benefits	508,392	554,159	456,231	582,767
Materials, Supplies, Services	868,741	870,521	626,061	856,681
Capital Outlay	118,234	46,861	34,910	228,791
Total	1,495,367	1,471,541	1,117,202	1,668,239
Full Time Positions	8	8	8	8

The responsibilities of the Department’s Wastewater Treatment Facility is to provide dependable, consistent and compliant wastewater treatment to meet the ongoing needs of the City, its citizens and visitors; to be a standard bearer in water resources and water quality management; to conduct business in a fashion to improve the public image of wastewater treatment despite the stigma associated with it; to provide high-quality service in an economical and efficient manner with proper management of public funds; and to comply with the NPDES permit.



MISSION STATEMENT

The mission of the Wastewater Treatment Facility is to remove pollutants from the collected wastewater and transform it into compliant, dischargeable water consistent with the Clean Water Act and the National Pollutant Discharge Elimination System (NPDES). In so doing, we help to maintain and protect the water quality of the upper French Broad River basin and the quality of life expected by and owed to our citizens and visitors.

BUDGET OBJECTIVES – FY 2019-2020

- Continue aggressive operations to minimize permit limit violations under the current organic overloading conditions.
- Continue to work with consultants and the Public Works Committee to pursue plant upgrades and continue working on effective treatment methods to combat the changing characteristics of the influent.
- Coordinate with industrial dischargers to improve communication, cooperation, and wastewater treatment efficiency and water quality.
- Improve the Sludge Pump Station and Septage Dump Station with adequate heat, lighting, and ventilation.
- Continue with career development and performance improvement directives as implemented through our Career Development and Performance Review Program, which produced favorable results in 2017-2018.
- Continue to seek out any defective equipment or any plant operations that may interfere with obtaining maximum quality effluent.

GOALS ACHIEVED – FY 2018-2019

- Processed 588,000,000 gallons of wastewater.
- Maintained very good wastewater treatment results despite a significant organic overloading. Maintained and perhaps improved relations with NCDENR through this challenge.
- Utilized available budget to make significant improvements in several unit operations throughout the facility.
- The WWTP is operating in compliance with NPDS limits.
- The Supernatant Pump Station was rehabbed (new pumps, new railing, and new electrical wiring).
- The Sludge Holding Tank's outside surface area was sealed, the cracks in the wall were repaired, and the tank was painted.
- The piping at the Stationary Screens was cleaned and repainted.
- The blowers at the RBC's were cleaned and painted.
- The blowers at the Sludge Holding Tank was cleaned and painted.
- The fence line was trimmed, and the brush was removed. Two dead trees that were a danger to personnel, equipment, and structures were removed.
- New ceramic tile was installed in the Control Building.
- The ditch in front of the plant was cleaned out, and grass was planted.

The department's Key Performance Indicators are:

- Supplying wastewater treatment reliably and continuously.
- Maximizing the use of our intellectual and human resources and our limited existing facilities to treat wastewater to the highest possible quality.
- Operating efficiently and within budget.
- Maximizing the available budget to achieve the best possible results.
- Maintaining the rigorous schedule of required monitoring and testing.
- Maintaining and improving relations with NCDENR through professional and transparent communication.
- Maintaining excellence in staff performance and morale.
- Providing excellence in customer service, responding quickly and satisfactorily to all questions and concerns from our customers.

**City of Brevard, NC
Enterprise Fund Budget
Fiscal Year 2019-2020**

EXPENDITURES

8220 Wastewater Treatment Facility

8220.0200 Salaries - Regular

This line item covers the salary and wages for the Wastewater Treatment Plant personnel as shown in the table below. There are currently five full time WWTP employees and two Maintenance Technician employees in this department.

8220.0210 Salaries – Over Time

This line item covers necessary overtime wages for the Wastewater Treatment Plant. It often includes provisions for personnel to cover vacation, sick, and other unexpected occurrences requiring the presence of operators outside normal working hours.

8220.0500 FICA

This line item covers the FICA cost on the annual departmental salaries as shown in the table below.

8220.0600 Group Insurance

This line item covers the cost of providing a group health insurance plan for the Wastewater Treatment Plant personnel as shown in the table below.

8220.0700 Retirement

This line item covers the cost of providing a retirement plan through the NC Local Government Employees Retirement System to Wastewater Treatment Plant personnel as shown in the table below.

Budgeted Amount

FY 19-20 Salaries	Over Time	FICA	Group Insurance	Retirement
390,525	15,000	31,023	109,600	36,619

**Increase: 1.0% COLA, 2.0% Merit*

Budgeted Amount \$ 582,767

**City of Brevard, NC
Enterprise Fund Budget
Fiscal Year 2019-2020**

EXPENDITURES

8220 Wastewater Treatment Facility

8220.0925 Professional Services

This line item covers the cost of professional services that require the work of a licensed professional such as a certified laboratory, engineer or architect, or other technical service provider. Specific projects to be undertaken are as listed.

Certification and Permit Fees	7,500
Compliance Testing, Technical Calibrations	9,500
General Contracting/Consulting Services	18,000

Budgeted Amount \$ 35,000

8220.1000 Training

Operator Schools, Exam Fees, Professional Development

Budgeted Amount \$ 2,400

8220.1100 Telephone

Telephone & Internet Services 883-8461 and 883-8468 Fax 883-6280 Cell 553-7458 (1/4 cost – Wayne Simms Cell 553-9480 (1/4 cost – Brett Taylor)	6,700
SCADA Lines	2,000
Mobile Pagers	400
Phone Supplies	200

Budgeted Amount \$ 9,300

8220.1300 Utilities

Electricity and Natural Gas	129,030
Generator Fuel	6,630

Budgeted Amount \$ 135,660

8220.1400 Travel

Lodging, Per Diem, Schools, and Conferences

Budgeted Amount \$ 1,500

**City of Brevard, NC
Enterprise Fund Budget
Fiscal Year 2019-2020**

EXPENDITURES

8220 Wastewater Treatment Facility

8220.1500 Maintenance and Repair - Buildings and Grounds

Flooring, Walls, Doors, Windows, Concrete Structures	14,071
Paint, Tools, and Materials	5,000
Maintenance Contracts	2,500
Replace Metal Doors	5,000

Budgeted Amount \$ 26,571

8220.1600 Maintenance and Repair – Equipment

Belts for Press	4,500
Replace RBC Bearings	17,000
Mechanical Equipment Parts, Supplies, Service	35,000
SCADA, Electronic and Digital Parts, Supplies, Service	13,000
RBC Shaft Resurfacing	17,000

Budgeted Amount \$ 86,500

8220.1700 Maintenance and Repair - Trucks

Vehicles Maintenance (Routine)	3,500
Vehicles Maintenance (Repair Dump Truck Chassis/Hauling Gear)	9,500

Budgeted Amount \$ 13,000

8220.3100 Automotive Supplies

Automotive Supplies, includes Fuel, Tires, Oil, etc.
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Budgeted Amount \$ 13,000

8220.3200 Office Supplies and Materials

General Office Supplies

Budgeted Amount \$ 1,000

**City of Brevard, NC
Enterprise Fund Budget
Fiscal Year 2019-2020**

EXPENDITURES

8220 Wastewater Treatment Facility

8220.3300 Departmental Supplies and Materials

Lab Supplies, Glassware, Sampling Kits, Protective Gear	10,000
Chemicals, Reagents, Replacement Probes	5,000

Budgeted Amount \$ 15,000

8220.3400 Other Supplies and Materials

Sodium Hypochlorite (Bleach)	51,975
BSP Captor	127,900
Polymer (Belt Press)	42,000
Poly Aluminum Chlorhydrate	92,925
Lubrication and Hydraulic Supplies	4,000
Emulsifiers, Degreaser, Hydrogen Peroxide, Sweeteners, etc.	13,000

Budgeted Amount \$ 331,800

8220.3500 Other – Tank/Septic Cleaning

Budgeted Amount \$ -0-

8220.3600 Uniforms

Protective Clothing, Safety Shoes, Uniforms	
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Budgeted Amount \$ 4,000

8220.4500 Contracted Services

Landfill Fees (Sludge)	136,900
Pumping and Hauling	30,000

Budgeted Amount \$ 166,900

8220.5300 Dues and Subscriptions

Association Fees	450
Operator and Facility License Fees	550

Budgeted Amount \$ 1,000

**City of Brevard, NC
Enterprise Fund Budget
Fiscal Year 2019-2020**

EXPENDITURES

8220 Wastewater Treatment Facility

8220.5400 Insurance and Bonds

This line item covers the cost of a prorated portion of the property/general liability coverage as well as the applicable worker's compensation insurance.

Budgeted Amount \$ 14,050

8220.7200 Capital Outlay – Buildings

Install Lights, Heaters, Electrical Panel in the New Sludge Pump Station	15,775
Install Heaters in the Pretreatment Building & Remove Existing Heaters	6,995
Replacement of Roof Top Heating and Air	8,459

Budgeted Amount \$ 31,229

8220.7300 Capital Outlay – Other Improvements

Clean Grit out of Sludge Holding Tank and Install a New Aeration System	139,175
Install New Cabinet-Style Servers for SCADA System, Including Program	58,387

Budgeted Amount \$ 197,562

8220.7400 Capital Outlay – Equipment (>\$5,000)

Budgeted Amount \$ -0-

8220 – Wastewater Treatment Facility

TOTAL \$ 1,668,239