

Town of Beaufort

FY16 – FY20

Capital
Improvements
Plan

PROPOSED

Charles W. Burgess, Jr., Town Manager
2/9/2015

OVERVIEW

The Town of Beaufort's Capital Improvement Plan (CIP) is a planning and budget tool which addresses the repair and replacement of existing infrastructure as well as the construction or acquisition of new facilities and equipment to accommodate current and future demands for service. More specifically, the CIP is intended to accomplish the following objectives:

- To build the facilities required to support the Town's public service responsibilities
- To improve financial planning by comparing needs with resources, estimating future bond uses and debt service, and identifying tax rate implications
- To establish priorities among projects so that limited available funds are used to the best advantage
- To plan public facility construction and major equipment purchases and coordinate timing with the public needs
- To support the physical development objectives contained in approved Town plans

Generally, capital improvements are defined as physical assets constructed or purchased that have a useful life of ten (10) years or longer and have a cost of or exceeding \$25,000. Projects that meet these criteria are included in the CIP, such as:

- New and expanded facilities for the community
- Large scale rehabilitation or replacement of existing facilities
- The cost of engineering or other professional studies and services related to improvement
- Major equipment
- The acquisition of land

The CIP does not typically include items defined as "capital outlay." Capital outlay items normally appear in the Town's operating budget and include such things as furniture, smaller equipment, and vehicles needed to support the operation of the Town's programs.

The projected costs of each capital project are sometimes the result of detailed engineering studies, but are sometimes simply working estimates. The project cost to be funded in the CIP include all costs relating to design, acquisition, construction, project management, equipment, legal expenses, mitigation of damages, title costs and other land-related costs, etc., when such information is available. Each year, the CIP may be adjusted as project costs are refined.

The annual CIP process begins with the distribution of funding request packets to each Town department. These packets are returned to the Town Manager and the information is categorized and consolidated. The Town Manager prioritizes the projects and prepares a proposed Capital Improvement Plan to be forwarded to the Board of Commissioners for their review and comment. A public hearing is held after which the Board of Commissioners has the authority to approve the recommended CIP as presented, or with amendments. The CIP is adopted by the Board of Commissioners and becomes the Adopted Capital Improvement Plan. The first year of the Adopted CIP is incorporated in to the Manager's Recommended Budget as the Capital Budget for the upcoming fiscal year.

Each project in the CIP is coupled with one or more funding sources. Revenues the Town utilizes come from several sources to include federal, state or county governments, general obligation bonds, revenue bonds, dedicated taxes and fees, and the General, Fire, or Utility Funds. In the Town's case, it is important to note that revenues that come from state and federal grants, such as the NC Department of Transportation, Department of the Environment and Natural Resources, and various others may require a cash match from the Town.

Revenue bonds may also provide an additional source of revenue to fund capital projects that are needed for the Utility Fund. The debt service payments on these bonds are paid through user fees generated in the fund. Another source of revenue to fund capital projects is general obligation bonds. Bond issuances are governed strictly by state laws and regulations. A general obligation bond works similar to a mortgage loan. The repayment of the bonds is usually long-term. Typically, government regulations require that the proceeds from a bond issue be expended on one-time capital projects within a certain amount of time after the issuance. The level of debt the Town can incur is governed by the financial policies legislated by the North Carolina General Statutes.

The General Fund is the primary depository for taxes and fees, including ad valorem taxes, sales tax, and utility taxes which are collected for the general operation of the Town. Fees for water and sewer service are deposited in the Utility Fund. The Fire Fund also receives a portion of its revenue as an allocation from Carteret County.

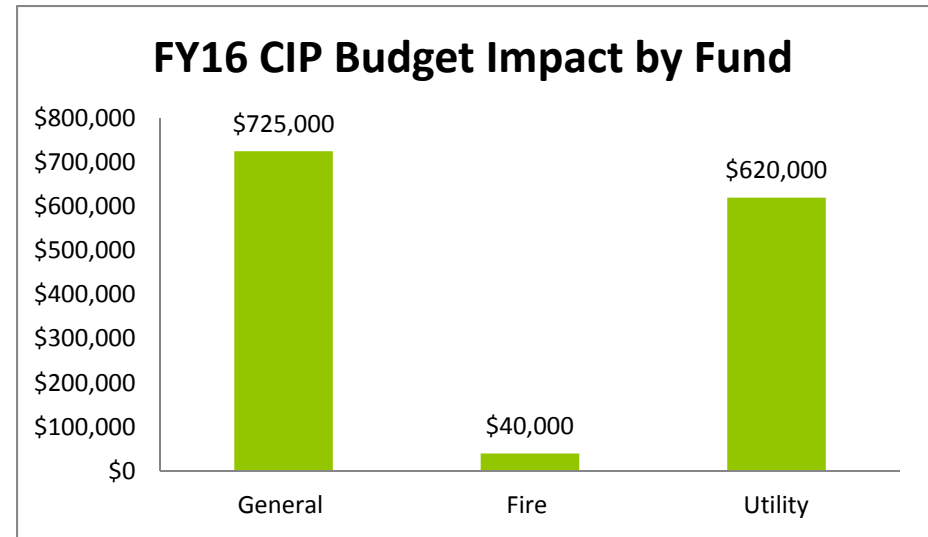
The CIP represents the mutual effort of Town departments to meet the infrastructure needs of Town residents, businesses, and visitors. The Town usually cannot fund all the capital project requests and the projects are carefully scrutinized and prioritized to provide for the maximum benefit. Citizen input, the Town's adopted Comprehensive Plan, and the total funding available all contribute to the decision-making process regarding the allocation of limited resources.

TOWN MANAGER RECOMMENDATION

The following pages represent the recommendations of the Town Manager. These recommendations are based on the needs of each department as articulated by the Department Head, and weighted by Town Manager. Included is the summary of the CIP, as well as descriptions of each project. The total CIP as requested is \$10,575,000. The Town Manager considered debt policies, available outside funding, and available General, Utility, and Fire Fund resources

to recommend the development of the five (5) year plan with an emphasis on FY16 projects.

The Town Manager is recommending a FY16 CIP implementation of projects totaling \$4,340,000. The components and funding implications for the recommended projects are as follows:



RECOMMENDED BY TOWN MANAGER

PROJECT TITLE (BY DEPARTMENT)	FUNDING SOURCE	FY16	FY17	FY18	FY19	FY20	BEYOND FY20	TOTAL COST
FIRE DEPARTMENT								
New Fire Station	GF	\$ 2,500,000						\$ 2,500,000
Extrication Equipment	GF	\$ 40,000						\$ 40,000
Fire Truck Pumper	GF			\$ 375,000				\$ 375,000
Aerial Platform	GF				\$ 750,000			\$ 750,000
PARKS & RECREATION								
Water Tower Park	GF/CF	\$ 200,000	\$ 200,000	\$ 200,000	\$ 100,000			\$ 700,000
Walking/Bike Plan Implementation	GF	\$ 25,000	\$ 25,000	\$ 25,000				\$ 75,000
Drawbridge Park	GF				\$ 75,000			\$ 75,000
PLANNING DEPARTMENT								
Downtown District Streetscaping	GF	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000
Comprehensive Wayfinding & Signage Program	GF	\$ 45,000	\$ 20,000	\$ 20,000	\$ 40,000			\$ 125,000
Entry Corridor Improvements Program	GF/SF		\$ 100,000	\$ 250,000	\$ 150,000	\$ 250,000	\$ 750,000	\$ 1,500,000
PUBLIC WORKS								
Relocation of Public Works Facility	GF		\$ 500,000					\$ 500,000
Bucket Truck (yard debris)	GF		\$ 75,000					\$ 75,000
Large Excavator (Stormwater)	GF	\$ 115,000						\$ 115,000
Dump truck (Stormwater tow & haul)	GF	\$ 40,000						\$ 40,000
Repaving program	SF	\$ 250,000	\$ 1,000,000					\$ 1,250,000
SEWER & WASTEWATER TREATMENT								
Sewer Pump Station Generators	UF/IF	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000		\$ 125,000
I & I Study	UF		\$ 180,000					\$ 180,000
Sewer Line Rehabilitation	UF			\$ 1,000,000				\$ 1,000,000
Flush Truck	UF	\$ 175,000						\$ 175,000
Vacuum Truck	UF	\$ 375,000						\$ 375,000
WATER								
Meter Reading Digital Conversion	IF	\$ 500,000						\$ 500,000
TOTALS		\$ 4,340,000	\$ 2,175,000	\$ 1,945,000	\$ 1,190,000	\$ 325,000	\$ 800,000	\$ 10,575,000

GF - General Fund SF - State Funds CF - County Funds
 UF - Utility Fund FF - Federal Funds IF - Impact Fees

PROJECT TITLE: NEW FIRE STATION

DEPARTMENT: Fire Department
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$2,500,000

STAFF CONTACT: Chief Larry Fulp
USEFUL LIFE: 30 years
NEW POSITIONS: 0

DESCRIPTION:
Replacement of existing Fire Station at 900 Cedar Street.

JUSTIFICATION:
The current station is no longer adequate to provide fire protection to the established fire district.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Debt service; 20 years at 4%		\$180,000	\$180,000	\$180,000	\$180,000	\$180,000/yr. for 16 years	\$3,600,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$2,500,000						

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
** See below						

****Note:** The net impact on operating costs is unknown as it is not clear how the costs associated, for example, with increased square footage stand to be offset by the incorporation of energy saving technologies.

PROJECT TITLE: EXTRICATION EQUIPMENT

DEPARTMENT: Fire Department
PROJECT TYPE: Capital Equipment Purchase
TOTAL PROJECT COST: \$40,000

STAFF CONTACT: Chief Larry Fulp
USEFUL LIFE: 20+ years
NEW POSITIONS: 0

DESCRIPTION:
Hydraulic extrication equipment including spreaders, cutters, rams, and power units

JUSTIFICATION:
Current extrication equipment ranges in age from 7 to 30 years, with most reaching the end of its useful life.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Capital Outlay - Equipment	\$40,000						\$40,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$40,000						\$40,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Maintenance Costs		\$1,000	\$1,000	\$1,000	\$1,000	\$1,000/yr

PROJECT TITLE: FIRE TRUCK PUMPER

DEPARTMENT: Fire Department
PROJECT TYPE: Capital Equipment Purchase
TOTAL PROJECT COST: \$375,000

STAFF CONTACT: Chief Larry Fulp
USEFUL LIFE: 20+ years
NEW POSITIONS: 0

DESCRIPTION:
 Fire truck pumper to replace 1985 pumper #9, a similar apparatus that has exhausted its useful life.

JUSTIFICATION:
 Due to the delay in mutual aid from Morehead City Fire and Atlantic Beach Fire Departments, our response has been delayed in extinguishing fires and rescuing victims. In order to maintain departmental capabilities to fight structure fires, dependable replacement apparatus is needed.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Lease/Purchase; 5 yrs. in arrears				\$45,000	\$85,000	\$295,000	\$425,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund				\$375,000			

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Maintenance Costs					\$2,000	\$2,000/yr

PROJECT TITLE: AERIAL PLATFORM

DEPARTMENT: Fire Department
PROJECT TYPE: Capital Equipment Purchase
TOTAL PROJECT COST: \$750,000

STAFF CONTACT: Chief Larry Fulp
USEFUL LIFE: 20+ years
NEW POSITIONS: 0

DESCRIPTION:
 NFPA 1901/1999 Compliant Aerial Platform

JUSTIFICATION:

The Town’s 2004 Hazard Mitigation Plan analyzed and identified the Town’s high vulnerability to natural and man-made disasters. This Plan identified fifteen (15) public buildings within the Town limits that are critical to maintaining functional order of Town and County governments. Risk assessment conducted by our organization, with recommendations from the NC Office of the State Fire Marshall, concluded that not having an aerial apparatus as part of our fire suppression efforts not only greatly reduces our ability to adequately protect these critical facilities, but also waterfront properties and the Town’s Historic District. As the closest aerial apparatuses are located in Morehead City and Atlantic Beach, the 10+ minute delay in response time hinders our ability to effectively mount an aggressive offensive operation. The requested aerial platform will respond as a first due company on emergencies in our District and will assist our neighboring mutual aid departments.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Lease/Purchase; 7 yrs				\$130,000	\$130,000	\$650,000	\$910,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund				\$750,000			\$750,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Maintenance Costs					\$2,000	\$2,000/yr

PROJECT TITLE: WATER TOWER PARK

DEPARTMENT: Administration
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$700,000

STAFF CONTACT: Lauren Hermley, Assistant Town Manager
USEFUL LIFE: 50+ years
NEW POSITIONS: 0

DESCRIPTION:
 The conversion of the current Public Works yard to a new town park; includes the conversion of the existing garage into a community center.

JUSTIFICATION:
 The property would serve to connect current parks and recreational facilities- tennis/basketball courts and Randolph Johnson Park- and is a more appropriate public use of the space. It will also improve stormwater management in an area of town prone to flooding.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Budget line item	\$200,000	\$200,000	\$200,000	\$100,000			\$700,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$100,000	\$100,000	\$100,000	\$100,000			\$400,000
County Funds	\$100,000	\$100,000	\$100,000				\$300,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Landscape Maintenance		\$5,000	\$10,000	\$15,000	\$15,000	\$15,000/yr.
Utilities			\$4,000	\$10,000	\$15,000	\$15,000/yr.

PROJECT TITLE: WALKING/BICYCLE PLAN IMPLEMENTATION

DEPARTMENT: Planning Department
PROJECT TYPE: Contract Services
TOTAL PROJECT COST: \$75,000

STAFF CONTACT: Lauren Hermley, Assistant Town Manager
USEFUL LIFE: 20+ years
NEW POSITIONS: 0

DESCRIPTION:
 This project is to aid in the improvement of mobility in the community by providing safe and accessible sidewalk and bicycle facilities while also offering alternative transportation options.

JUSTIFICATION:
 At least two surveys have shown that residents support improved bicycle facilities, alternative forms of transportation, and increased opportunities for exercise. The current project addresses these resident priorities.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Budget line item	\$25,000	\$25,000	\$25,000				\$75,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$25,000	\$25,000	\$25,000				\$75,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND

PROJECT TITLE: DRAWBRIDGE PARK

DEPARTMENT: Administration
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$75,000

STAFF CONTACT: Lauren Hermley, Assistant Town Manager
USEFUL LIFE: 50+ years
NEW POSITIONS: 0

DESCRIPTION:
 The conversion of the current drawbridge landing area to a park.

JUSTIFICATION:
 The property is ideally suited for recreation. It already serves as a popular fishing spot and accommodations can be made for additional recreational activities. Further, this will be a highly visible piece of property from the new high rise bridge. Staff has already discussed the venture with NCDOT and the Parks & Recreation Advisory Board is already in preliminary planning stages.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Budget line item				\$75,000			\$75,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund				\$75,000			\$75,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Landscape Maintenance					\$5,000	\$5,000/yr.

PROJECT TITLE: DOWNTOWN DISTRICT STREETSCAPING & SIGNAGE

DEPARTMENT: Administration
PROJECT TYPE: Non-capital equipment
TOTAL PROJECT COST: \$50,000/year

STAFF CONTACT: Lauren Hermley, Assistant Town Manager
USEFUL LIFE: 15 years
NEW POSITIONS: 0

DESCRIPTION:
 The purchase of street furniture, landscaping, and signage for the downtown district.

JUSTIFICATION:
 The project will improve the visitor experience within the Downtown District through the enhancement of the aesthetic quality, walkability, and traffic flow. It will also enable the visitor to quickly locate available parking and attractions, as well as to navigate throughout the District. Funded by parking meter revenue

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Budget line item	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000/yr	ongoing

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000/yr	ongoing

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Landscape maintenance costs		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500

PROJECT TITLE: COMPREHENSIVE WAYFINDING & SIGNAGE PROGRAM DEVELOPMENT

DEPARTMENT: Planning Department
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$125,000

STAFF CONTACT: Lauren Hermley, Assistant Town Manager
USEFUL LIFE: 20 years
NEW POSITIONS: 0

DESCRIPTION: The design and fabrication of a unified and comprehensive signage system for Beaufort to include all wayfinding, informational and regulatory town signs. Includes roadside, parks, and buildings.

JUSTIFICATION: To unify the town’s existing signs and streamline production of new signs. To prepare to meet the new wayfinding needs spurred by the new bridge and to positively contribute to the Town’s aesthetic identity.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Budget line item	\$45,000	\$20,000	\$20,000	\$40,000			\$125,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$45,000	\$20,000	\$20,000	\$40,000			\$125,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
None						

PROJECT TITLE: RELOCATION OF THE PUBLIC WORKS FACILITY

DEPARTMENT: Streets and Sanitation
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$500,000

STAFF CONTACT: Charlie Burgess, Town Manager
USEFUL LIFE: 25+ years
NEW POSITIONS: 0

DESCRIPTION:

This project involves the relocation of the existing Public Works facility to the property owned by the Town on Live Oak Street near the Food Lion.

JUSTIFICATION:

The current facilities/functions need to be consolidated and placed in an alternative location so as to allow for better public utilization of this centrally located property. The proposed relocation would allow for the expansion of the park/recreation facilities on a portion of the existing property as well as a site for the construction of a replacement fire state.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Debt Service, 20 yrs at 4%		\$37,086	\$37,086	\$37,086	\$37,086	\$593,376	\$741,720

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund		\$500,000					\$500,000

OPERATING BUDGET IMPACT

Type	FY15	FY16	FY17	FY18	FY19	BEYOND

PROJECT TITLE: LARGE EXCAVATOR

DEPARTMENT: Public Works - Stormwater
PROJECT TYPE: Capital Equipment Purchase
TOTAL PROJECT COST: \$115,000

STAFF CONTACT: Mark Eakes, Public Works Director
USEFUL LIFE: 15+ years
NEW POSITIONS: 1

DESCRIPTION:

This is a large tract-driven machine with a 10'-15' reach boom with standard bucket and hydraulic thumb. It would also have a quick-release knuckle "twist-a-wrist" with cleanout bucket attachment. The unit is trailer-able with the Town's existing tilt-deck trailer.

JUSTIFICATION:

This equipment is required to perform required remediation of existing ditches and stormpipe to include, tree and debris removal, sloping and stabilization of banks, installation & maintenance of check dams. This would replace the Town's existing excavator, which has not only outlived its useful life, but acquiring replacement parts is cost-prohibitive. Further, the existing excavator is too large to tow with the existing trailer, is not the proper size, and lacks the proper attachments for performing the required tasks.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Capital Equipment Purchase	\$115,000						\$115,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$115,000						\$115,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Maintenance Costs		\$1,000	\$2,000	\$3,000	\$3,000	\$1,000/yr.

PROJECT TITLE: DUMP TRUCK

DEPARTMENT: Public Works – Stormwater/Streets
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$40,000

STAFF CONTACT: Mark Eakes, Public Works Director
USEFUL LIFE: 15+ years
NEW POSITIONS: 1

DESCRIPTION:
 A 15-ton tandem axel commercial dump truck.

JUSTIFICATION:
 To handle the volume of debris generated by ditch, sidewalk, and roadway maintenance, the Town needs a much larger and sturdier dump truck. Further, unlike existing vehicles, this vehicle is capable of towing the large excavator.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Capital Equipment Purchase	\$40,000						\$40,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund	\$40,000						\$40,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
n/a						

PROJECT TITLE: STREET REPAVING PROGRAM

DEPARTMENT: Public Works – Stormwater/Streets
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$1,250,000

STAFF CONTACT: Mark Eakes, Public Works Director
USEFUL LIFE: 25 years
NEW POSITIONS: 0

DESCRIPTION:
 The systematic improvement and restoration of a prioritized list of town roads; includes paving, roadside drainage improvements, curb and gutter repair/replacement.

JUSTIFICATION:
 Through this project, we are able to meet the Town’s obligation to maintain the road system within Town limits. The Repaving Program will be funded through currently retained, as well as future-collected, Powell Bill funds.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Budget line item	\$250,000						\$250,000
Debt Service		\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$1,250,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
General Fund – Powell Bill	\$250,000	\$1,000,000					\$1,250,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
n/a						

PROJECT TITLE: INFLOW & INFILTRATION (I&I) STUDY

DEPARTMENT: Sewer Department
PROJECT TYPE: Contracted Services
TOTAL PROJECT COST: \$180,000

STAFF CONTACT: Donovan Willis, Utilities Director
USEFUL LIFE: 10 years
NEW POSITIONS: 0

DESCRIPTION:

Contracted evaluation and study of groundwater infiltration into the Town’s sewer system to identify causes and solutions.

JUSTIFICATION:

During rain events, the Town’s Waste Water Treatment Plant (WWTP) experiences significant spiking, an indication that groundwater is infiltrating the sewer system. By identifying the source(s) of infiltration and taking corrective action, the Town can reduce the operational expense associated with treating groundwater, as well as extend the useful life of the WWTP.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Budget line item		\$180,000					\$180,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Utility Fund		\$180,000					\$180,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
n/a						

PROJECT TITLE: FLUSH TRUCK

DEPARTMENT: Sewer Department
PROJECT TYPE: Capital Equipment Purchase
TOTAL PROJECT COST: \$175,000

STAFF CONTACT: Donovan Willis, Public Utilities Director
USEFUL LIFE: 10 years
NEW POSITIONS: 0

DESCRIPTION: This is a heavy duty truck which carries a large water tank (usually 600-1500 gallons) and heavy duty hose reel. The truck uses a high capacity pump to deliver water at the desired velocity. The pump can be driven with a power-take-off-type system or a second motor.

JUSTIFICATION: This truck is used by the Sewer Department to perform daily flushing of clogged sewer laterals and sewer mains. It is also used to clean the Town’s sewer lines, of which, 10 percent are required by NCDENR to be cleaned and documented every year. Our current flush truck is in constant need of repair and is also a safety concern for our employees. This truck would replace the Town’s existing Flush truck that is approximately 23 years old.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Lease/Purchase – 7 years at 3%	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$210,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Utility Fund	\$175,000						\$175,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Maintenance Costs		\$1,000	\$2,000	\$3,000	\$3,000	\$1,000/yr.

PROJECT TITLE: VACUUM TRUCK

DEPARTMENT: Sewer Department
PROJECT TYPE: Capital Equipment Purchase
TOTAL PROJECT COST: \$375,000

STAFF CONTACT: Donovan Willis, Public Utilities Director
USEFUL LIFE: 10 years
NEW POSITIONS: 0

DESCRIPTION: This is a heavy duty truck which carries a large tank that consists of two compartments. One compartment is for holding debris and water from vacuuming. The other compartment is for holding clean water for washing and cleaning. The truck has a high capacity vacuum pump and a high capacity water pump which can be used in conjunction with each other.

JUSTIFICATION: This truck is used by the Sewer Department to clean lift stations, wet wells, and WWTP tanks. It is also used to help clean sewer lines, catch basins, and the stormwater system. Most of these actions are required by NCDENR as part of normal operations and maintenance. Our current vacuum truck is starting to require significantly more costly maintenance. This truck would replace the Town’s existing vacuum truck, which is 11 years old. The average life of a sewer vacuum truck is between 7-12 years.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Lease/Purchase – 7 years at 3%	\$65,000	\$65,000	\$65,000	\$65,000	\$65,000	\$130,000	\$420,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Utility Fund	\$375,000						\$375,000

OPERATING BUDGET IMPACT

Type	FY16	FY17	FY18	FY19	FY20	BEYOND
Maintenance Costs		\$1,000	\$2,000	\$3,000	\$3,000	\$1,000/yr.

PROJECT TITLE: METER READING DIGITAL CONVERSION

DEPARTMENT: Water
PROJECT TYPE: Capital Equipment Purchase
TOTAL PROJECT COST: \$500,000
STAFF CONTACT: Donovan Willis, Utilities Director
USEFUL LIFE: 20+ years
NEW POSITIONS: 0

DESCRIPTION:
 The conversion of the existing manual water meter reading to an automatic computer-based reading system

JUSTIFICATION:
 The cost of implementation will be offset by the decreased cost and increased administrative efficiency resulting from improved accuracy in the reading of the meters as well as real-time identification of potential problems/leaks.

EXPENDITURES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Capital Equipment Purchase	\$500,000						\$500,000

FUNDING SOURCES

Type	FY16	FY17	FY18	FY19	FY20	BEYOND	TOTAL COST
Impact Fees	\$500,000						\$500,000

OPERATING BUDGET IMPACT

Type	FY15	FY16	FY17	FY18	FY19	BEYOND