

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: E. Broad Way 1 Improvements Project: Storm Pond at Community Center

PROJECT DESCRIPTION: As part of the project, the Town entered into an agreement with the County to partner in a regional storm pond on the Lovettsville Community Center property. The agreement identifies that the Town will pay the difference between the cost to build an appropriately-sized pond as required for the Community Center, and the expansion needed to manage the stormwater flow from the E. Broad Way Phase 1 project. The Community Center construction may begin in FY20 and it is hoped the amount budgeted will be enough to pay the Town's share of storm pond cost.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$385,000	\$385,000					
Land Acq/Legal/Misc	\$380,000	\$380,000					
Construction/Insp	\$1,805,000	\$1,725,000	\$80,000				
TOTAL COST:	\$2,570,000	\$2,490,000	\$80,000	\$0	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$80,000		\$80,000				
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$80,000	\$0	\$80,000	\$0	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: E. Broad Way 2A Improvements Project: N. Light Street to Park Place

PROJECT DESCRIPTION: Design and construct improvements to E. Broad Way between Park Place and Light Street. Improvements will include sidewalk, curb and gutter, street lights, storm drainage, parking spaces and landscaping. Project will also involve the relocation of utility poles, requiring easement acquisition. FY20 funds will be used for design and land acquisition activities.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$297,000	\$126,000	\$117,000	\$38,000	\$16,000		
Land Acq/Legal/Misc	\$499,000		\$156,000	\$248,000	\$73,000	\$22,000	
Construction/Insp	\$1,480,000				\$433,000	\$1,047,000	
TOTAL COST:	\$2,276,000	\$126,000	\$273,000	\$286,000	\$522,000	\$1,069,000	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$255,000	\$14,000	\$47,000	\$26,000	\$70,000	\$98,000	
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$330,000	\$95,000	\$106,000	\$129,000			
LC 6-yr Requested Funds	\$821,000				\$150,000	\$671,000	
VDOT Grant Awarded	\$420,000	\$17,000	\$120,000	\$131,000	\$152,000		
VDOT Grant	\$450,000				\$150,000	\$300,000	
TOTAL REVENUE:	\$2,276,000	\$126,000	\$273,000	\$286,000	\$522,000	\$1,069,000	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: S. Church Street & E. Pennsylvania Avenue Improvements

PROJECT DESCRIPTION: Improvements to S. Church Street include curb and gutter, stormwater, sidewalks and street lights. Improvements to E. Pennsylvania Avenue include widening the street from the intersection with S. Church Street to a relocated entrance for the Town Office. The storm lines will be sized to handle storm needs for an improved Town Office and/or a downtown parking lot. FY20 funds will be used for design work and initial land acquisition work.



EXPENDITURES

Project Activity	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
Design	\$281,000	\$70,000	\$97,000	\$93,000	\$21,000		
Land Acq/Legal/Misc	\$222,000		\$6,000	\$69,000	\$94,000	\$53,000	
Construction/Insp	\$708,000				\$10,000	\$285,000	\$413,000
TOTAL COST:	\$1,211,000	\$70,000	\$103,000	\$162,000	\$125,000	\$338,000	\$413,000

REVENUES

	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$170,000	\$70,000		\$25,000	\$15,000	\$30,000	\$30,000
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$641,000		\$103,000	\$62,000	\$70,000	\$158,000	\$248,000
VDOT Grant	\$400,000			\$75,000	\$40,000	\$150,000	\$135,000
	\$0						
	\$1,211,000	\$70,000	\$103,000	\$162,000	\$125,000	\$338,000	\$413,000

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Town Council Chamber and Office Expansion

PROJECT DESCRIPTION: The existing Town Office will be reworked to become the Council Chamber and an expansion will be added to accommodate Town needs and allow elimination of the Trailer or a double wide will replace existing trailer. The Downtown Parking Lot costs are NOT included with this project but has been listed as a separate project. FY21 funds will be used for design work or installation of double wide trailer.

Doublewide Modular Trailer Rental



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$140,000			\$140,000			
Land Acq/Legal/Misc	\$50,000				\$50,000		
Construction/Insp	\$1,110,000				\$1,110,000		
TOTAL COST:	\$1,300,000	\$0	\$0	\$140,000	\$1,160,000	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$140,000			\$140,000			
3RM Reserves	\$0						
Loan	\$1,160,000				\$1,160,000		
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant	\$0						
	\$0						
	\$1,300,000	\$0	\$0	\$140,000	\$1,160,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Downtown Parking Lot at the Town Office

PROJECT DESCRIPTION: A downtown parking lot has been identified as a priority, especially as homes change to commercial uses in the downtown area. This project will begin in FY20 with design of a parking lot at the Town Office location. Cost estimate for this budget is based on building the parking lot at the Town Office. Additional funds for land acquisition will be needed if it is determined the lot is better suited in another location or if a second lot is needed.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$20,000		\$10,000	\$10,000			
Land Acq/Legal/Misc	\$10,000			\$10,000			
Construction/Insp	\$180,000			\$30,000	\$150,000		
TOTAL COST:	\$210,000	\$0	\$10,000	\$50,000	\$150,000	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$210,000		\$10,000	\$50,000	\$150,000		
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$210,000	\$0	\$10,000	\$50,000	\$150,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: LOVE Sign at Town Square

PROJECT DESCRIPTION: A LOVE sign is being proposed at the north end of the Town Square. Funding sources include \$1500 each from the Town New Capital, Grant & donations. Cost may not be sufficient to include lighting and will necessitate a simple sign design with inexpensive materials.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$4,500		\$4,500				
TOTAL COST:	\$4,500	\$0	\$4,500	\$0	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$0		\$0				
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
Other: Donations	\$1,500		\$1,500				
Other: Love Sign Grant?	\$3,000		\$3,000				
TOTAL REVENUE:	\$4,500	\$0	\$4,500	\$0	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Wayfinding Signs

PROJECT DESCRIPTION: The project involves development of a concept plan and design and implementation of signs as budget allows. This project will include a program for businesses to cost share in the completion of signs. FY21 funds will be used to install one or two signs as a pilot program.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$20,000			\$5,000	\$15,000		
TOTAL COST:	\$20,000	\$0	\$0	\$5,000	\$15,000	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$20,000			\$5,000	\$15,000		
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$20,000	\$0	\$0	\$5,000	\$15,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Pedestrian Crossings

PROJECT DESCRIPTION: Town Council has identified a need for Pedestrian Safety. FY20 funds will identify areas of concern and begin developing options to present to Town Council with the funds the following year to begin installations of chosen option.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$5,000		\$5,000				
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$15,000			\$15,000			
TOTAL COST:	\$20,000	\$0	\$5,000	\$15,000	\$0	\$0	\$0

REVENUES

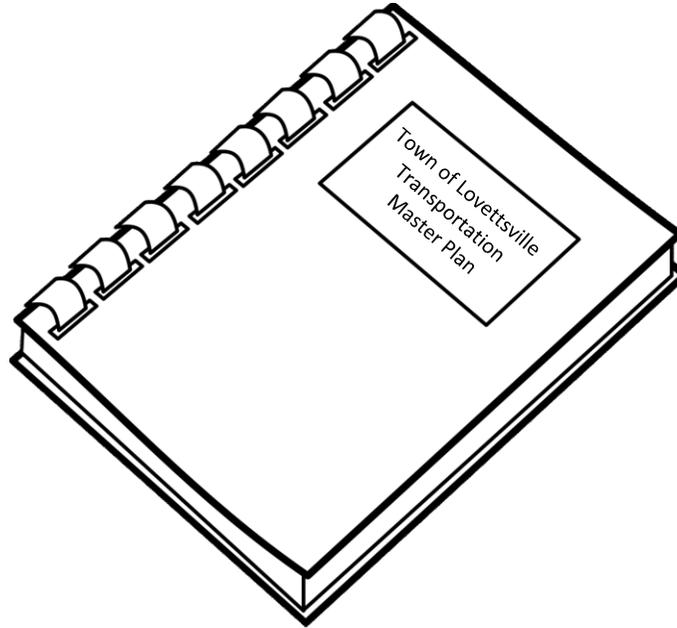
	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$20,000		\$5,000	\$15,000			
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$20,000	\$0	\$5,000	\$15,000	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Transportation Master Plan

PROJECT DESCRIPTION: A comprehensive Transportation Master Plan will help identify the traffic issues (both current and future) and identify the transportation framework needed in the Town. A master plan will help to identify the needs and help obtain the support of future development in completing them. As budgeted, this project is contingent on VDOT Transportation Grant funds.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$85,000		\$85,000				
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$0						
TOTAL COST:	\$85,000	\$0	\$85,000	\$0	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$0						
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant	\$65,000		\$65,000				
Other Town Planning Funds?	\$20,000		\$20,000				
TOTAL REVENUE:	\$85,000	\$0	\$85,000	\$0	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Town Square Park Improvements: Electrical/Lighting & Seating Area & Performance Stage/Seating Wall

PROJECT DESCRIPTION: The Town Square Master Plan identifies desired improvements. Additional lighting (FY21) needed for the improvements as well as a seating area (FY22) and performance stage/seating wall (FY23) are budgeted.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$3,000	\$3,000					
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$37,000			\$7,000	\$20,000	\$10,000	
TOTAL COST:	\$40,000	\$3,000	\$0	\$7,000	\$20,000	\$10,000	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$40,000	\$3,000		\$7,000	\$20,000	\$10,000	
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$40,000	\$3,000	\$0	\$7,000	\$20,000	\$10,000	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Town Green Park Improvements: Electric/Lighting & Grass Pavers

PROJECT DESCRIPTION: The Town Green is used for many events and the Events Committees have identified the need for improvements to improve functionality including electric and lighting improvements (FY21&22) and grass paver access to the Pavilion (FY23).



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$3,000	\$3,000					
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$47,000			\$10,000	\$20,000	\$17,000	
TOTAL COST:	\$50,000	\$3,000	\$0	\$10,000	\$20,000	\$17,000	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$50,000	\$3,000		\$10,000	\$20,000	\$17,000	
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$50,000	\$3,000	\$0	\$10,000	\$20,000	\$17,000	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: **Quarter Branch Barn Improvements: Stone/Mulch Storage Bins & Lean-To for storage**

PROJECT DESCRIPTION: Storage bins (FY21), including a concrete pad with walls, within the fenced enclosure will provide a better screened and secure location for storage of mulch and gravel. A Lean-To (FY22) will provide protection from the elements for Events items like the Oktoberfest Towers.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$17,000			\$5,000	\$12,000		
TOTAL COST:	\$17,000	\$0	\$0	\$5,000	\$12,000	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$17,000			\$5,000	\$12,000		
3RM Reserves	\$0						
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$17,000	\$0	\$0	\$5,000	\$12,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Town Office Vehicle Replacement

PROJECT DESCRIPTION: The Town Office truck is scheduled for replacement in FY23 when it will be 11 years old. This vehicle is used by Town maintenance personnel and other staff for fieldwork, and to provide support for events. Cost includes the addition of decals, emergency lighting, towing package, and tool box.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$45,000					\$45,000	
TOTAL COST:	\$45,000	\$0	\$0	\$0	\$0	\$45,000	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$0						
3RM Reserves	\$45,000					\$45,000	
Loan	\$0						
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
VDOT Grant Awarded	\$0						
Other	\$0						
TOTAL REVENUE:	\$45,000	\$0	\$0	\$0	\$0	\$45,000	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: General

PROJECT TITLE: Stormwater Management Improvements: Northeast Section

PROJECT DESCRIPTION: The Town, in cooperation with affected property owners, is seeking possible grant funds to aid in addressing stormwater management challenges affecting the northeast section of Town and improve drainage stormwater runoff quality discharging to an unnamed tributary of Catoctin Creek. The design funds would potentially be matched with a contribution from the Lakeview Village Estates HOA to undertake a study demonstrating whether the project will eligible for grant funding. Cost for implementation of this project will be updated after study is completed.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$12,500	\$2,500	\$10,000				
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$25,000			\$25,000			
TOTAL COST:	\$37,500	\$2,500	\$10,000	\$25,000	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
New Capital Reserves	\$0						
3RM Reserves	\$12,500	\$2,500	\$10,000				
HOA Contribution	\$12,500	\$2,500		\$10,000			
LC 6-yr Awarded Funds	\$0						
LC 6-yr Requested Funds	\$0						
Storm Grant Awarded	\$15,000			\$15,000			
Other	\$0						
TOTAL REVENUE:	\$40,000	\$5,000	\$10,000	\$25,000	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: WWTP Improvements: Alum Feed Control & Automated Waste/Return Valve Controls

PROJECT DESCRIPTION: Improvements to the Alum feed control system will avoid overfeeding at night and valve controls will reduce operator time adjusting wasting valves. These projects will improve treatment performance and efficiency.



EXPENDITURES

Project Activity	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$25,000		\$25,000				
TOTAL COST:	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$25,000		\$25,000				
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: WWTP Water Supply Well Restoration and Treatment

PROJECT DESCRIPTION: The WWTP utilizes water from a well for the lab and bathroom facilities. This well requires restoration to better protect the well head (to be completed in FY19). The water from this well is high in sulfur resulting in a water with taste and odor issues such that drinking and even using the water in the sinks is unpleasant. FY20 funds will add a treatment system to improve the worker environment by providing potable water and making the shower facility suitable for use.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$15,000	\$5,000	\$10,000				
TOTAL COST:	\$15,000	\$5,000	\$10,000	\$0	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$15,000	\$5,000	\$10,000				
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$15,000	\$5,000	\$10,000	\$0	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: WWTP Sludge Handling: Evaluation, PER and Construction

PROJECT DESCRIPTION: The WWTP currently trucks liquid sludge to the Loudoun Water Broad Run facility for disposal through their treatment facility. Increases to transportation and dumping costs or changes to regulations may trigger the need for the Town to evaluate alternative sludge management options. Costs within five year window include the initial evaluation (FY21) and development of the Preliminary Engineering Report in FY24 (if evaluation identifies the need for facilities). Final design and construction costs will require additional cost after FY24 and can be better defined once the evaluation is completed.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$135,000			\$35,000			\$100,000
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$0						
TOTAL COST:	\$135,000	\$0	\$0	\$35,000	\$0	\$0	\$100,000

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$0						
New Capital Availability Fund Reserve - Sewer	\$60,000						\$60,000
New Capital - Sewer	\$75,000			\$35,000			\$40,000
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$135,000	\$0	\$0	\$35,000	\$0	\$0	\$100,000

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: Creek Bank Shoring: Study & Repair

PROJECT DESCRIPTION: Creeks are located in close proximity to several sewer lines and the WWTP and are moving towards encroaching on these critical facilities. This project will identify and evaluate those areas in FY21, and complete restoration/shoring activities to prevent future damage in FY22.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$300,000			\$20,000	\$280,000		
TOTAL COST:	\$300,000	\$0	\$0	\$20,000	\$280,000	\$0	\$0

REVENUES

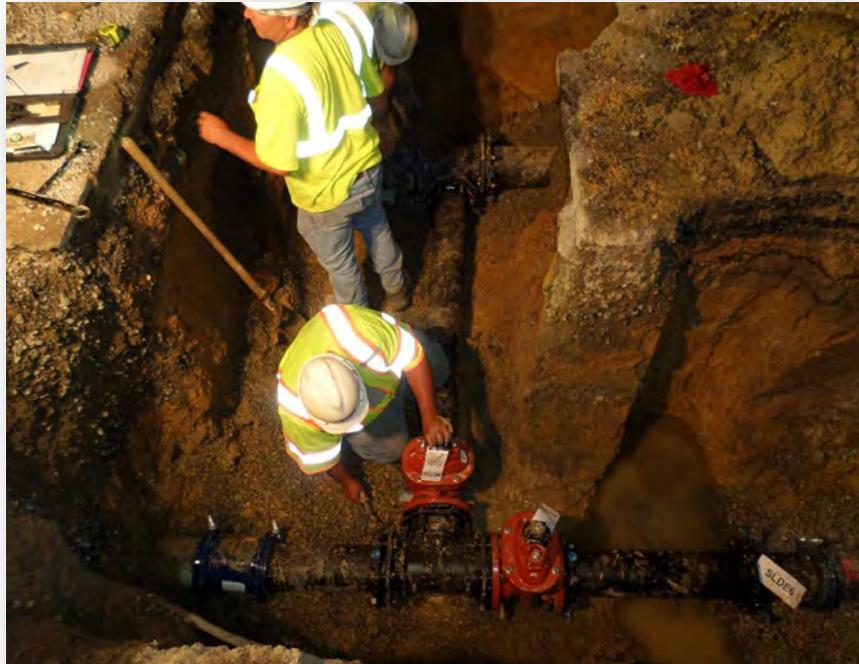
	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$160,000			\$20,000	\$140,000		
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$140,000				\$140,000		
TOTAL REVENUE:	\$300,000	\$0	\$0	\$20,000	\$280,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: Water Line Work: Water Line Replacement for E. Broad Way 2A

PROJECT DESCRIPTION: As part of the E. Broad Way Improvements 2A, the 40+ year old 6" transite water line will be replaced with a new larger water line. This project will include replacement of water laterals and meter setter/crocks for each existing connection within the project boundaries. FY20 funds will complete the WL design work. FY22 & 23 funds will be used for the installation of the water line.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$8,000		\$8,000				
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$255,000				\$200,000	\$55,000	
TOTAL COST:	\$263,000	\$0	\$8,000	\$0	\$200,000	\$55,000	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$102,000				\$80,000	\$22,000	
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$201,000		\$8,000		\$160,000	\$33,000	
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$303,000	\$0	\$8,000	\$0	\$240,000	\$55,000	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: Water Meter Change Out

PROJECT DESCRIPTION: All existing radio, touch and manual read meters will be replaced with AMI meters and the accompanying antennas and software. The Town currently reads approximately one third of the meters each month on a 3 month rotating schedule. Reading time will be reduced by 2+ days each month and the new meters will provide prompt notification of possible leaks. Total project cost is estimated at \$410,000. Meters will be financed over 15 years with a payment of approximately \$37,000 to debt retirement each year.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$185,000		\$37,000	\$37,000	\$37,000	\$37,000	\$37,000
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$0						
TOTAL COST:	\$185,000	\$0	\$37,000	\$37,000	\$37,000	\$37,000	\$37,000

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$185,000		\$37,000	\$37,000	\$37,000	\$37,000	\$37,000
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
	\$0						
Grant	\$0						
TOTAL REVENUE:	\$185,000	\$0	\$37,000	\$37,000	\$37,000	\$37,000	\$37,000

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: WTP Improvements: Treatment System Evaluation & Renewal

PROJECT DESCRIPTION: Automatic valves are utilized at both facilities to backwash the filters. Backwashing and treatment is dependent on these valves staying in the appropriate position. A recent valve failure caused a leak and required substantial manpower to resolve. Maintenance of the valves will help to prevent any future malfunctions. FY20 includes a service visit to inspect system and identify needed rehab and begin work. FY21 & 22 funds will continue valve replacement and replace the Green Sand media which will be reaching



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$75,000	\$5,000	\$15,000	\$5,000	\$50,000		
TOTAL COST:	\$75,000	\$5,000	\$15,000	\$5,000	\$50,000	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$75,000	\$5,000	\$15,000	\$5,000	\$50,000		
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$75,000	\$5,000	\$15,000	\$5,000	\$50,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: Abandon Town Supply Wells

PROJECT DESCRIPTION: If the Town decides to abandon any of their supply wells, the wells should be appropriately abandoned to protect the underground water supply (per the Wellhead Protection Plan). There are several wells currently "mothballed" and if the Town decides to abandon these wells after review of the Water and Sewer Master Plan, then grant funding from VDH will be requested in June 2019 to be used in FY20 to abandon well #5 (at elevated tank) and #4 (behind BB&T Bank).



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$6,000		\$6,000				
TOTAL COST:	\$6,000	\$0	\$6,000	\$0	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$0						
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$6,000		\$6,000				
TOTAL REVENUE:	\$6,000	\$0	\$6,000	\$0	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: Kingsridge WTP Improvements: Drainage Repairs to access Road

PROJECT DESCRIPTION: The access road to the plant holds water during rain events and requires regrading, the addition of a culvert and repaving.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$25,000		\$25,000				
TOTAL COST:	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$25,000		\$25,000				
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: Water Line Replacement: S. Church Street Between E. Broad Way & Pennsylvania Avenue

PROJECT DESCRIPTION: As part of the S. Church Street Improvements project, the 40+ year old 6" transite water line will be replaced with a new larger water line. This will include replacement of water laterals and meter setter/crocks for each existing connection within the project boundaries. FY20 funds will complete the design work for the water line replacement. FY23 & 24 funds will install the new water line as part of the street improvements project.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$10,000		\$10,000				
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$75,000					\$50,000	\$25,000
TOTAL COST:	\$85,000	\$0	\$10,000	\$0	\$0	\$50,000	\$25,000

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$30,000					\$20,000	\$10,000
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$55,000		\$10,000			\$30,000	\$15,000
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$85,000	\$0	\$10,000	\$0	\$0	\$50,000	\$25,000

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: WTP Improvements: Security Updates

PROJECT DESCRIPTION: WTP facilities are currently secured with chain link fences and manual gates. Security updates will fix fences damaged by trees falling, update gates to automatic to improve efficiency for keeping them closed and install security cameras as appropriate. Activities will be phased.



EXPENDITUR

Project Activity	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$48,000	\$8,000		\$15,000	\$25,000		
TOTAL COST:	\$48,000	\$8,000	\$0	\$15,000	\$25,000	\$0	\$0

REVENUES

	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$48,000	\$8,000		\$15,000	\$25,000		
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$48,000	\$8,000		\$15,000	\$25,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: WTP Improvements: Install New Variable Frequency Drives at Kingsridge and Heritage Highlands

PROJECT DESCRIPTION: Adding Variable Frequency Drives to one additional well at each facility will improve reliability and energy efficiency while also reducing pressure fluctuations throughout the system.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$60,000			\$60,000			
TOTAL COST:	\$60,000	\$0	\$0	\$60,000	\$0	\$0	\$0

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$0						
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$24,000			\$24,000			
New Capital Water	\$36,000			\$36,000			
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$60,000	\$0	\$0	\$60,000	\$0	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: Utility Vehicle Replacement

PROJECT DESCRIPTION: Utility vehicles must be reliable so that operators can complete their operations and respond to emergency calls. This vehicle is a necessary part of maintaining the water and wastewater system. There are currently 4 vehicles in operation including the bucket truck. The average life of a vehicle is 5-7 years for critical government use. This vehicle will be replaced when it reaches 8 years of age and will be outfitted with decals, emergency lights, tool box, etc. to be a workhorse truck for the department.



EXPENDITURES

Project Activity	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
Design	\$0						
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$45,000				\$45,000		
TOTAL COST:	\$45,000			\$0	\$45,000	\$0	\$0

REVENUES

	Total Cost	Spent thru					
		FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$45,000				\$45,000		
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$0						
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$45,000	\$0		\$0	\$45,000	\$0	\$0

FY20 - FY24 FIVE YEAR CAPITAL IMPROVEMENT PLAN

FUND: Utility

PROJECT TITLE: New Elevated Water Tank: Design & Construction

PROJECT DESCRIPTION: According to the Water and Sewer Master Plan, a second elevated water tank is required at the southern end of Town to provide redundancy, and improve fire flow and water quality to the southern part of Town. A site has been obtained behind the newly annexed proposed Fire Station site recently annexed. The amount budgeted is to design and construct the elevated tank. If sufficient funds are not available in the Water Availability reserve, the Town may need to borrow funds or delay the project.



EXPENDITURES

Project Activity	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
Design	\$100,000					\$100,000	
Land Acq/Legal/Misc	\$0						
Construction/Insp	\$1,500,000						\$1,500,000
TOTAL COST:	\$1,600,000	\$0	\$0	\$0	\$0	\$100,000	\$1,500,000

REVENUES

	Total Cost	Spent thru FY19	FY20	FY21	FY22	FY23	FY24
3RM	\$0						
New Capital Availability Fund Reserve - Sewer	\$0						
New Capital - Sewer	\$0						
New Capital Availability Fund Reserve - Water	\$1,600,000					\$100,000	\$1,500,000
New Capital Water	\$0						
Loan	\$0						
Grant	\$0						
TOTAL REVENUE:	\$1,600,000	\$0	\$0	\$0	\$0	\$100,000	\$1,500,000