

COUNTY OF POWHATAN, VIRGINIA



ADOPTED FISCAL YEAR 2020 FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

October 28, 2019

[This page intentionally left blank.]

TABLE OF CONTENTS

Introduction to the Capital Improvement Program.....	1
Summary of All Projects	3
Public Safety Projects	4
Public Works Projects.....	17
Parks, Recreation and Cultural Projects	35
Utilities Projects	48
School Projects.....	63
School Buses	63
School Support Vehicles.....	63
Fire & Rescue Apparatus and Vehicles.....	74
Sheriff’s Office Vehicles	76
Administrative Vehicles	78
Facilities and Grounds Capital Maintenance	79
Parks and Recreation Capital Maintenance.....	80
IT Infrastructure and Systems.....	81
Other Capital Needs.....	82
Appendix:	
Analysis of Debt Capacity	83
Three-Year Revenue Growth	97

[This page intentionally left blank.]

Powhatan County, Virginia FY 2020 Five-Year Capital Improvement Program

The purpose of the Capital Improvement Program (CIP) is to provide a long range strategy for the acquisition, development, enhancement and replacement of public facilities and infrastructure, which enable and enhance services to the County's citizens and businesses.

CIP

- Is a system which annually exams and prioritizes the County's capital needs;
- Facilitates coordination between the County, state and local agencies in planning capital projects;
- Enables capital expenditure and revenue forecasting to avoid emergency financing;
- Provides focus on the vision and goals of the community;
- Assists with the implementation of the County's Comprehensive Plan.

The CIP includes facilities with a useful life of at least fifteen (15) years and with a project cost of at least \$25,000. The County does not include vehicles in its CIP.

Other Capital Program

The Other Capital Program consists of capital needs which are not considered CIP projects but which have a significant impact on the County budget. Long-term financing may be required to fund these capital needs.

- School Buses
- School Support Vehicles
- Fire & Rescue Apparatus and Vehicles
- Sheriff's Office Vehicles
- Administrative Vehicles
- Facilities and Grounds Capital Maintenance
- Parks and Recreation Capital Maintenance
- IT Infrastructure and Systems

Definitions

Dollar amounts are shown in Thousands (\$1,000).

\$350 is \$350,000

Dollar amounts are estimates and are shown in the year in which they are to be budgeted and appropriated which may be different from the years in which the amounts are spent.

<u>Column Heading</u>	<u>Definition</u>
FY 2019 & Prior	Amount budgeted and appropriated for the project in FY 2019 and all prior years
5 Year CIP Total	Sum of <u>FY 2020</u> through <u>FY 2024</u> columns (excludes <u>FY 2019 & Prior</u> column)
Future Years	Amount anticipated to be budgeted and appropriated in FY 2025 and all future years
Total Project	Total of <u>FY 2019 & Prior</u> , <u>5 Year CIP Total</u> , and <u>Future Years</u> columns
Defer	Amount of project that is being postponed indefinitely

Powhatan County
FY 2020 Five Year Capital Improvement Program (CIP)
Summary of All Projects

Dollars in Thousands

	FY 2014- FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Defer
CIP									
General Government	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public Safety	15,961	-	401	4,762	250	-	5,413	-	11,400
Public Works	4,402	1,020	1,182	343	175	50	2,770	1,260	-
Parks, Recreation	2,293	68	845	5,692	-	-	6,605	-	200
Utilities	4,164	135	1,290	150	616	916	3,107	42,640	46,500
Schools	44,586	330	1,517	340	-	-	2,187	50,873	-
Total CIP	71,406	1,553	5,235	11,287	1,041	966	20,082	94,773	58,100

Funding Sources

General Fund	\$ 5,919	\$ 203	\$ 2,515	\$ 492	\$ 1,041	\$ 966	\$ 4,992	\$ 600	\$ -
School Operating Fund	350	330	162	340	-	-	832	-	-
Bonds General	21,012	1,020	1,182	8,443	-	-	10,770	20,860	58,100
Bonds Schools	41,466	-	1,355	-	-	-	1,355	50,873	-
Grants/Proffers/Other	2,659	-	21	2,012	-	-	2,033	22,440	-
Total Funding Sources	71,406	1,553	5,235	11,287	1,041	966	19,982	94,773	58,100

Other Capital Programs

Fire Rescue Vehicles	3,661	275	930	940	945	1,110	4,200	3,205	-
Sheriff Vehicles	761	175	245	175	175	175	945	-	-
Administrative Vehicles	341	60	120	112	155	155	602	-	-
Facilities and Grounds	629	25	-	-	-	-	25	-	-
Parks and Recreation	171	-	-	-	-	-	-	-	-
IT Infrastructure/Systems	2,799	80	607	251	360	170	1,468	270	-
Other Capital Needs	76	49	142	-	-	-	191	-	-
School Buses	3,209	876	1,261	1,084	1,424	630	5,275	-	-
School Support Vehicles	454	116	135	92	160	137	640	-	-
Total Other Capital	12,101	1,656	3,440	2,654	3,219	2,377	13,346	3,475	-

Funding Sources

General Fund	6,178	664	1,049	583	735	600	3,631	720	-
School Operating Fund	454	116	135	92	160	137	640	-	-
Bonds General	1,500	-	200	-	-	-	200	-	-
Lease General (Fire Vehicles)	1,270	-	795	895	900	1,010	3,600	2,755	-
Lease Schools (Buses)	2,051	876	1,261	1,084	1,424	630	5,275	-	-
Grants/Proffers/Others	648	-	-	-	-	-	-	-	-
Total Funding Sources	12,101	1,656	3,440	2,654	3,219	2,377	13,346	3,475	-

Total CIP / Other Capital **83,507** **3,209** **8,675** **13,941** **4,260** **3,343** **33,428** **98,248** **58,100**

Funding Sources:

General Fund	12,097	867	3,564	1,075	1,776	1,566	8,623	1,320	-
School Operating Fund	804	446	297	432	160	137	1,472	-	-
Bonds General	22,512	1,020	1,382	8,443	-	-	10,970	20,860	58,100
Bonds School	41,466	-	1,355	-	-	-	1,355	50,873	-
Lease/Debt General (Fire Vehicle)	1,270	-	795	895	900	1,010	3,600	2,755	-
Lease/Debt Schools (Buses)	2,051	876	1,261	1,084	1,424	630	5,275	-	-
Grants/Proffers/Others	3,307	-	21	2,012	-	-	2,033	22,440	-
Total Funding Sources	83,507	3,209	8,675	13,941	4,260	3,343	33,328	98,248	58,100

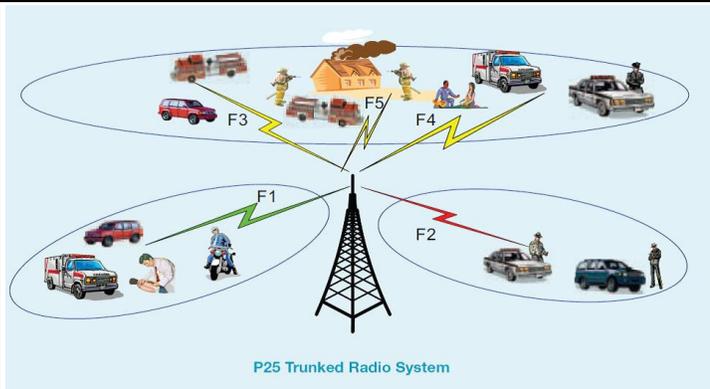
[This page intentionally left blank.]

**Powhatan County
FY 2020 Capital Improvement Program (CIP)**

Dollars in Thousands

Public Safety Projects

Project Name	#	FY 2014 - FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Public Safety Radio System	PS-0001	\$ 10,746	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,746	\$ -
Courthouse Expansion	PS-0002	3,183	-	-	-	-	-	-	-	3,183	-
Public Safety Building	PS-0003	-	-	-	-	-	-	-	-	-	11,400
Fire/EMS Station #1 Addition	PS-0004	140	-	300	2,600	-	-	2,900	-	3,040	-
Fire Station #6 Location	PS-0006	-	-	-	-	250	-	250	-	250	-
Replacement of Self Contained Breathing Apparatus	PS-0007	601	-	-	-	-	-	-	-	601	-
Computer Aided Dispatch Software/Hardware	PS-0008	962	-	-	-	-	-	-	-	962	-
Fire Station #5 Driveway Improvements	PS-0009	140	-	-	-	-	-	-	-	140	-
Fire Station #4 Driveway Improvements	PS-0010	140	-	-	-	-	-	-	-	140	-
Fire Rescue Boat	PS-0011	-	-	71	-	-	-	71	-	71	-
Animal Control Cages	PS-0012	49	-	-	-	-	-	-	-	49	-
Fire and Rescue Training Center (Regional)	PS-0013	-	-	30	600	-	-	630	-	630	-
LMR-Mobiles-Portable	PS-0015	-	-	-	1,562	-	-	1,562	-	1,562	-
Total Public Safety		\$ 15,961	\$ -	\$ 401	\$ 4,762	\$ 250	\$ -	\$ 5,413	\$ -	\$ 21,374	\$ 11,400
Projects Estimates											
A & E		\$ 390	\$ -	\$ 300	\$ -	\$ -	\$ -	\$ 300	\$ -	\$ 690	\$ 1,300
Land Acquisition		-	-	30	-	250	-	280	-	280	-
Construct/Purchase		15,571	-	71	4,762	-	-	4,833	-	20,404	10,100
Total Projects Estimate		\$ 15,961	\$ -	\$ 401	\$ 4,762	\$ 250	\$ -	\$ 5,413	\$ -	\$ 21,374	\$ 11,400
Funding Sources											
General Fund		\$ 1,575	\$ -	\$ 380	\$ 150	\$ 250	\$ -	\$ 780	\$ -	\$ 2,355	\$ -
Bonds General		13,656	-	-	2,600	-	-	2,600	-	16,256	11,400
Bonds Schools		-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other		730	-	21	2,012	-	-	2,033	-	2,763	-
Total Funding Sources		\$ 15,961	\$ -	\$ 401	\$ 4,762	\$ 250	\$ -	\$ 5,413	\$ -	\$ 21,374	\$ 11,400



Project Description

Replace the Powhatan County Public Safety Communications System used by our Sheriff's Office, Fire & EMS Departments, Emergency Management, and Communications Center to send and receive emergency communications necessary to meet the needs of the citizens. An initial study will be conducted in FY 2015 to determine the system that will best meet the future needs of the County. **Operating impacts:** Powhatan County selected Harris Corporation for our new LMR P25 LMR System. The Maintenance & lifecycle is 20 years, and the system go live date is projected to be late in 2021. The average Maintenance Support for the system lifespan will be \$445K per year. The Tower rental cost for this system will range from \$55K to \$85K per year starting FY 2020.

Project Justification

The existing emergency communications system was installed in 2002-2003 after a 5 year study, planning, purchasing, & installation process. The system installed was a state-of-the-art VHF High Band system, but this computer based system is now reaching its end of service life. Public safety communications components are typically supported by the manufacturer for 7 years after they cease production of the component. Already some of our components are no longer available and other replacement parts are getting harder & harder to obtain. The new system will also improve communications by reducing coverage dead spots in the County and provide better interoperable communications with our neighboring jurisdictions, many of which have already or are in the process of, moving to more advanced, modern systems..

Conforms With Comprehensive Plan? Yes No NA

Function:	Public Safety	Year Introduced:	FY-2013
Project Type:	Other Equipment	Change from Prior:	Cost Increase
Department:	Sheriff	Start Year:	FY-2016
Account Number:		End Year:	FY-2017

Financial Summary

Dollars in Thousands

	<u>FY 2019 & Prior</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>5 Year CIP Total</u>	<u>Future Years</u>	<u>Total Project</u>	<u>Defer</u>
Project Estimate										
A & E	90	-	-	-	-	-	-	-	90	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	10,656	-	-	-	-	-	-	-	10,656	-
Total Estimate	10,746	-	-	-	-	-	-	-	10,746	-
Funding Sources										
Operating Funds	90	-	-	-	-	-	-	-	90	-
Bonds General	10,656	-	-	-	-	-	-	-	10,656	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	10,746	-	-	-	-	-	-	-	10,746	-

Project Description

Construction of a 3,600 square foot addition to the Courthouse to provide a sally port for secure inmate receiving, and providing a temporary (5-10 years) location for E-911 dispatch. **Operating impacts:** The facilities budget will be impacted by \$20,000 in FY20 for cleaning, electricity, fuel, water and sewer. In FY21 the costs will increase by an additional \$10,000 for maintenance and service contracts.

Project Justification

The Courthouse does not have a security barrier or sally port at the inmate receiving area for secure transport of inmates, and there is not enough camera coverage when loading and unloading inmates. Currently, the E-911 dispatch occupies 400 square feet within the Sheriff's Office. This will help relocate them temporarily. Once E-911 dispatch has moved this space will provide for an additional judge's office along with a records room and storage.

FY 18-E911 Transfer. The associated transfer of the E911 center to the new facility requires the transfer of 911 Equipment that includes, but not limited to the following: Verizon phone, CAD, Radios, Monitors, existing consoles. The critical and technical complexity of the 911 equipment requires experts in this field to move and properly install each part into a specialized console for the communications officers. The equipment and consoles will be installed by manufacture and industry standards. Equipment will include Radio positions, moving 3 consoles and purchasing 5 additional consoles and 24/7 911 chairs.

Conforms With Comprehensive Plan? Yes No NA

Function:	Public Safety	Year Introduced:	2016
Project Type:	Building	Change from Prior:	
Department:	Sheriff	Start Year:	2016
Account Number:		End Year:	2018

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	300	-	-	-	-	-	-	-	300	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	2,883	-	-	-	-	-	-	-	2,883	-
Total Estimate	3,183	-	-	-	-	-	-	-	3,183	-
Funding Sources										
Operating Funds	783	-	-	-	-	-	-	-	783	-
Bonds General	2,400	-	-	-	-	-	-	-	2,400	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	3,183	-	-	-	-	-	-	-	3,183	-



Project Description
 Construct a Public Safety Building in the Courthouse area to house the Powhatan Sheriff's Office (except Court Services section) the Powhatan Communications Office ; Powhatan Department of Public Safety (Fire, EMS, & Emergency Management). **Operating Impacts:** The impacts are unknown at this time as there is no known date of actual completion.

Project Justification

The space available in the Powhatan Communications Center is inadequate to house the number of dispatcher positions necessary to serve the citizens. The Sheriff's Office is overflowing at the seams in their space. The Powhatan EOC is too small to handle a significant emergency. The Wiley/Wilson February 12, 2009 space needs report stated: "The (Sheriff's Office) including dispatch has outgrown all availed space in the Courthouse building and has a pressing need to relocate to a new facility. Over the years the space needs have continued to increase especially in the Emergency Communications Center." The proposed space is as follows: Powhatan Sheriff's Office (except Court Services section) (includes Powhatan Emergency Operations Center sharing the PSO training room) (10,960 sq. ft.); Powhatan Communications Office (3,885 sq. ft.) ; Powhatan Department of Public Safety (Fire, EMS, & Emergency Management) (4313 sq. ft.); and additional 5,000 sq. ft. of unfurnished space for future growth. Total Building Size: 25,000 sq. ft. Proposal is 9,007 sq. ft. smaller than was recommended by Wiley/Wilson Space Needs Study in 2009 and reduces the projected cost from \$11,500,00 in 2009 to \$8,347,850 in FY-2017.

Conforms With Comprehensive Plan? Yes No NA

Function: Public Safety Year Introduced: FY-2003
 Project Type: Buildings Change from Prior: Cost Increase
 Department: Sheriff Start Year: FY-2016
 Account Number: End Year: FY-2017

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	1,300
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	-	-	10,100
Total Estimate	-	-	-	-	-	-	-	-	-	11,400
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	-	-	-	-	-	-	-	-	-	11,400
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	-	-	-	-	-	-	11,400



Project Description

Phase I FY 2015:

Installation of a diesel exhaust removal system in the bay area, address leaking roof issues, upgrade heat, AC systems and replace 8 bay doors.

Phase 2 FY 2019:

An addition/redesign to the current living, office and meeting space (3008 sq. ft.). The addition would incorporate bunkroom space, private bathroom and showers, fitness room and a larger kitchen/dayroom. Support for staffing of 10 personnel 24/7/365.
Operating impacts: Increase operating budget by \$30,000. From \$42,960 to \$72,960 this is in line with the larger HPSB annual operating expenses.

Project Justification

The original design of Fire Station 1 by Frank Fields & Associates was to incorporate 8677 sq. ft. of living space in the building. The Powhatan Fire Association and County Administrator reduced the living space by 65% to meet the budget.

The current living space is not conducive to supporting volunteers or daytime career staff. The bunkroom has four bunk beds in a cramped room, the only showers are in the public bathrooms, the dayroom will accommodate 5-8 people, there is no fitness area, and kitchen is smaller than the average home. The lack of in-building storage has caused overflow into several out building on the property.

The facility is the primary location for fire suppression services in the county. An expansion of the facility is needed to support a crew of 10 personnel on a 24/7/365 basis. **Meets FRD Strategic Plan Obj, 3.4 and 3.5**

Conforms With Comprehensive Plan? Yes No NA

Function:	Public Safety	Year Introduced:	2011
Project Type:	Buildings	Change from Prior:	
Department:	Fire/Rescue	Start Year:	2015
Account Number:		End Year:	2017

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	300	-	-	-	300	-	300	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	140	-	-	2,600	-	-	2,600	-	2,740	-
Total Estimate	140	-	300	2,600	-	-	2,900	-	3,040	-
Funding Sources										
Operating Funds	140	-	300	-	-	-	300	-	440	-
Bonds General	-	-	-	2,600	-	-	2,600	-	2,600	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	140	-	300	2,600	-	-	2,900	-	3,040	-



Project Description

Examine and identify future Fire/EMS station locations and purchase land for future growth. **Operating impacts:** The impacts are unknown at this time as there is no known date of actual completion. This project currently is just for land purchase.

Project Justification

Determine the best locations for future Fire/EMS stations in Powhatan County. The study would include current response data, current approved development and planned development according to the Comprehensive Plan. Powhatan County currently has been proffered two acres at Tilman Farms subdivision. During the planning and building of the Huguenot Public Safety Building it was determined by staff that a three to five acre lot is ideal for future fire/EMS station.

Other sites to consider/obtain land for future growth would be Clayville/Genito, Red Lane/Anderson Hwy, Huguenot Trial/Manakintown Ferry

Meets FRD Strategic Plan Objective 3.4

Conforms With Comprehensive Plan? Yes No NA

Function: Public Safety Year Introduced: FY 2012
 Project Type: Buildings Change from Prior:
 Department: Fire/Rescue Start Year: FY 2015
 Account Number: End Year: FY 2017

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	250	-	250	-	250	-
Construct/Purchase	-	-	-	-	-	-	-	-	-	-
Total Estimate	-	-	-	-	250	-	250	-	250	-
Funding Sources										
Operating Funds	-	-	-	-	250	-	250	-	250	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	-	250	-	250	-	250	-

Project: Replacement of Self Contained Breathing Apparatus

PS-0007



Project Description

Replacement of the Self-Contained Breathing Apparatus systems used by the Fire and Rescue Department. **Operating impacts:** None

Project Justification

The safety and well-being of our members is always first and foremost. Our current Self-Contained Breathing Apparatus (SCBA) were designed to meet the 1997 industry standard and are not NFPA nor OSHA compliant to any recent edition. This places the equipment in critical need of replacement. The Department has been managing over the past decade by purchasing second-hand SCBAs from other local jurisdictions as they have upgraded their equipment. These SCBA units have been repaired and updated as much as safely practical. With the age of the majority of the units reaching a 15 year mark, the models are becoming unsupported by the manufacturer.

The Department has applied twice over the previous years for an Assistance to Firefighter's Grant (AFG) in an attempt to have cost deferred. The Department was denied both times. We have again applied for a FY16 AFG Grant for \$459,419 which, if awarded, will only cover partial replacement of our 66 oldest units. An additional \$142,000 would be needed to complete the project to replace all SCBA along with the needed safety equipment and upgrades to our air cascade systems to handle the higher air pressures of a modern system. **Completed FY18**

Conforms With Comprehensive Plan? Yes No NA

Function:	Public Safety	Year Introduced:	FY2016
Project Type:	Equipment	Change from Prior:	
Department:	Fire and Rescue	Start Year:	FY2017
Account Number:		End Year:	FY2018

Financial Summary

Dollars in Thousands

	<u>FY 2019 & Prior</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>5 Year CIP Total</u>	<u>Future Years</u>	<u>Total Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	601	-	-	-	-	-	-	-	601	-
Total Estimate	601	-	-	-	-	-	-	-	601	-
Funding Sources										
Operating Funds	141	-	-	-	-	-	-	-	141	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	460	-	-	-	-	-	-	-	460	-
Total Funding	601	-	-	-	-	-	-	-	601	-



Project Description
 Replace the Powhatan County Public Safety Computer Aided Dispatch (CAD) System used by the Sheriff's Office and Fire & Rescue Department. This system is used by the Public Safety Communications Center to verify location, send and receive emergency information to responding units. The system also provides response records and data management for Sherriff and Fire & Rescue Departments. Fire Rescue Mobile Data Computers (MDC's) installed in 25 vehicles and 28 Sheriff vehicles. Operating Impacts: The County selected Spillman Technologies/Motorola Solutions for our CAD system and went live on June 12, 2017. **Operating Impacts:** No maintenance payments are required until June of 2022. Based on current pricing the CAD maintenance should is estimated to be \$50K per year.

Project Justification

In spring 2015, the Public Safety Communications Center was notified the current CAD vendor was acquired by another corporation. This will end software enhancements available to the current CAD and provide only maintenance of the current system. The current CAD system is inadequate for response algorithms and records management for Fire and Rescue Department, does not provide Fire and Rescue with Mobile Data or in-station computer terminals to access vital units status and emergency response data, does not provide Automatic Vehicle Location (AVL) information to dispatchers (closest emergency vehicle to location not identified and dispatched) and is non-compliant with Next Generation-911 applications (NG911). NG911 is an Internet Protocol based system allowing digital information (e.g., voice, photos, videos, text messages) to flow seamlessly from the public, through the 911 network, and on to emergency responders. Powhatan Fire & EMS is adding technology to our fire engines to provide responders with the best information available. Having access to dispatch information (CAD) and GIS mapping will enable responders to identify exact call locations, reduce radio traffic, reduce the burden on dispatchers and assist with accurate data gathering.

Conforms With Comprehensive Plan? Yes No NA

Function: Public Safety Year Introduced: 2017
 Project Type: Change from Prior:
 Department: Start Year: 2017
 Account Number: End Year: 2018

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	962	-	-	-	-	-	-	-	962	-
Total Estimate	962	-	-	-	-	-	-	-	962	-
Funding Sources										
Operating Funds	212	-	-	-	-	-	-	-	212	-
Bonds General	600	-	-	-	-	-	-	-	600	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	150	-	-	-	-	-	-	-	150	-
Total Funding	962	-	-	-	-	-	-	-	962	-



Project Description

Fire Station 5 improvements - Construct a 67'x78' concrete apron in front of the four bay doors and a 5'x12' sidewalk area. Install 9744 Sq. Ft of asphalt to connect concrete to current asphalt on main driveway. **Operating impacts:** None

Project Justification

Fire station 5 was constructed in 1994. The current building size is 110' x 40' and is concrete block construction with wood trust A-frame asphalt shingled roof. The original design was created and built by the membership with limited funds. The building was paid for by volunteers and a donation from Powhatan County in 1998. The membership recently renovated and expanded the living space within the building by finishing an area on the second floor of the building. This has added sleeping and shower facilities allowing room for members to spend the night at the station. To support the facility and the county owned apparatus, the facility needs a concrete apron on the front of the building and completion of the asphalt driveway. This will reduce the depreciation of the vehicles traversing the uneven gravel/dirt lot and driveway. The improvement will also provide an expanded location outside of the building for maintenance and cleaning of apparatus.

Conforms With Comprehensive Plan? Yes No NA

Function: Public Safety

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2018 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	140	-	-	-	-	-	-	-	140	-
Total Estimate	140	-	-	-	-	-	-	-	140	-
Funding Sources										
Operating Funds	70	-	-	-	-	-	-	-	70	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	70	-	-	-	-	-	-	-	70	-
Total Funding	140	-	-	-	-	-	-	-	140	-

Project: Fire Station #4 Driveway Improvements

PS-0010



Project Description

Fire Station 4 driveway/apparatus apron improvement - Demolish and haul off existing concrete and asphalt, excavate to subgrade, form, install W2.9 wire mesh, prep and replace with 8" of 4000psi air entrained concrete. **Operating impacts:** None

Project Justification

Fire Station 4 sits at the cross-roads of Huguenot Trail and Jude's Ferry Road. The current access roadway is a combination of asphalt and concrete. The 5" concrete apron was poured in 2007. Lacking rebar reinforcement, along with heaving and settlement, the area is experiencing surface cracking. The driveway asphalt has worn thin exposing the bed gravel and ground surface below. To help conserve the surface, the company barred access to school buses egressing the lot. This requires some buses to maneuver the 130° turn to proceed west on Huguenot Trail.

Stripping and replacing the entire surface area with reinforced 8" 4000psi air entrained concrete will allow for long term use by the heavier vehicles in the station and allow the area to again be open to school bus access across the lot. This will allow safer bus routes and traffic flow on Huguenot Trail.

Fine Creek VFD has vouchsafed \$50K towards the project, but needs assistance with the remaining funds to complete the improvement. **Meets FRD Strategic Plan Obj, 3.4 and 3.5**

Conforms With Comprehensive Plan? Yes No NA

Function: Public Safety

Year Introduced: 2017

Project Type:

Change from Prior:

Department:

Start Year:

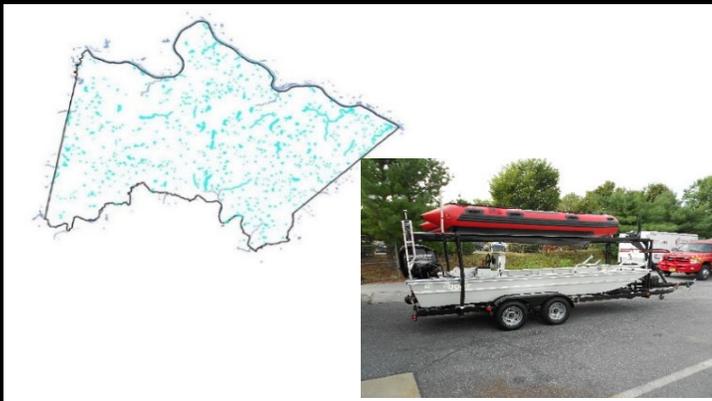
Account Number:

End Year:

Financial Summary

Dollars in Thousands

	<u>FY 2019 & Prior</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>5 Year CIP Total</u>	<u>Future Years</u>	<u>Total Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	140	-	-	-	-	-	-	-	140	-
Total Estimate	140	-	-	-	-	-	-	-	140	-
Funding Sources										
Operating Funds	90	-	-	-	-	-	-	-	90	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	50	-	-	-	-	-	-	-	50	-
Total Funding	140	-	-	-	-	-	-	-	140	-



Project Description

Purchase Fire/Rescue Boat(s), upgrade equipment used for special operations, and provide advanced training for specialized operations in flat water, swift water, and ice rescue. **Operating impacts:** There will be a cost for fuel when used, but those costs are unknown at this time.

Project Justification

Powhatan County is boarded to the north by the James River, south by the Appomattox River and has over 3.2 square miles of surface water such as ponds, lakes, and streams. Currently the Fire and Rescue Department does not have any boat or water craft.

While drownings, swift water, or ice rescues are high risk/low frequency events, the Fire and Rescue Department needs to be prepared to respond to these incidents when they occur.

The project would purchase a dual system of rescue boats, one flat bottom, and one inflatable, with jet propulsion motors (needed for shallow water) (50K). This will provide the flexibility depending on the body of water needing to be traversed. Special operations equipment for water (5K)/ice rescue (6K), and specialized training for members of the Special Operations Division (10K) 30K funding from State ATL funds.

Conforms With Comprehensive Plan? Yes No NA

Function: Public Safety

Year Introduced: 2017

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	71	-	-	-	71	-	71	-
Total Estimate	-	-	71	-	-	-	71	-	71	-
Funding Sources										
Operating Funds	-	-	50	-	-	-	50	-	50	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	21	-	-	-	21	-	21	-
Total Funding	-	-	71	-	-	-	71	-	71	-



Project Description

Develop and construct Fire and Rescue Training facility to meet the current and future needs of the region (Powhatan, Goochland, Cumberland, Amelia). **Operating Impacts:** Annual operational expenses are estimated to be \$25,000 for repairs to building, grounds, training props and training fuels (class A and propane).

Project Justification

The current LIVE Fire Training Center (burn building) in Goochland is no longer functional. This requires live fire training of personnel to occur at facilities over 40 miles away from the county.

The Department is seeking to further foster our regional partnerships and apply for a **STATE FUNDED** burn building. Future expansion of the overall Training Center would include a classroom building, EMS Simulation Lab, technical training props, vehicle extrication area, and driver training areas.

Meets FRD Strategic Plan Objective 2.3 and supports 3.3, 3.4. The project will also support Fire and EMS training at Powhatan High School.

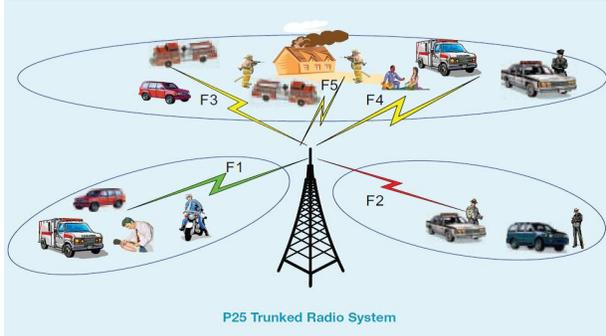
Conforms With Comprehensive Plan? Yes No NA

Function: Year Introduced: 2019
 Project Type: Change from Prior:
 Department: Start Year: 2019
 Account Number: End Year: 2021

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	30	-	-	-	30	-	30	-
Construct/Purchase	-	-	-	600	-	-	600	-	600	-
Total Estimate	-	-	30	600	-	-	630	-	630	-
Funding Sources										
Operating Funds	-	-	30	150	-	-	180	-	180	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	450	-	-	450	-	450	-
Total Funding	-	-	30	600	-	-	630	-	630	-



Project Description

Purchase the LMR Mobile and Portable Radios for the new P-25 LMR system. On March 25, 2019, The Board of Supervisors authorized the County Administrator to sign a contract with selected vendor, not to exceed 9.725 Million Dollars. Powhatan County Public Safety Communications System is used by our Sheriff's Office, Fire & EMS Departments, Emergency Management, and Communications Center to send and receive emergency communications necessary to meet the needs of the citizens. An initial study will be conducted in FY 2015 to determine the system that will best meet the future needs of the County.

Project Justification

During the March 25, 2019, Board of Supervisors were updated on the bond funded LMR system replacement project. The presentation included the total cost of the new P-25 LMR system. The presentation included detailed pricing for the P-25 LMR infrastructure and then pricing for mobile and portable radios, pagers and accessories. The Public Safety mobile, portable and accessories projected expenditure is \$1,487,466. The public Safety Pager \$74,900. The Powhatan School radios projected expenditure is \$304,260. The BOS approved \$9.7 million for the LMR system infrastructure contract with the selected vendor. Additional future funding was requested for the on going maintenance and required tower leases for the new system. The LMR mobile and portable radios funding could be purchased with a combination of bond funding, leasing or CIP.

Conforms With Comprehensive Plan? Yes No NA

Function: Year Introduced: 2019
 Project Type: Change from Prior:
 Department: Start Year: 2021
 Account Number: End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	\$1,562	-	-	1,562	-	1,562	-
Total Estimate	-	-	-	1,562	-	-	1,562	-	1,562	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	\$1,562	-	-	1,562	-	1,562	-
Total Funding	-	-	-	1,562	-	-	1,562	-	1,562	-

[This page intentionally left blank.]

**Powhatan County
FY 2020 Capital Improvement Program (CIP)**

Dollars in Thousands

Public Works Projects

Project Name	#	FY 2014-	FY	FY	FY	FY	FY	5 Year	Future	Total	Defer
		FY 2019	2020	2021	2022	2023	2024	CIP Total			
Human Services Building Façade	PW-0001	\$ 280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280	\$ -
Village Area Parking Lots and Drainage	PW-0002	393	-	-	-	-	-	-	-	393	-
Roof Replacements	PW-0003	295	175	325	200	-	-	700	-	995	-
HVAC Systems	PW-0004	539	135	267	93	125	-	620	-	1,159	-
East Convenience Center	PW-0005	1,750	-	-	-	-	-	-	-	1,750	-
Old Plantation Road Improvements	PW-0006	-	-	190	-	-	-	190	-	190	-
Mann Road Extension	PW-0007	-	-	-	-	-	-	-	800	800	-
Village Building Renovation - CSB	PW-0008	90	-	-	-	-	-	-	-	90	-
Renovation of Administration Building	PW-0009	95	-	-	-	-	-	-	-	95	-
Village Building Generator and Electrical Upgrades	PW-0010	-	-	250	-	-	-	250	-	250	-
Upgrade to Hallways of Company #2 Fire Station	PW-0012	30	-	-	-	-	-	-	-	30	-
Village Building Renovations	PW-0013	-	-	-	-	-	-	-	-	-	-
Village Building Office Relocations	PW-0014	25	-	-	-	-	-	-	-	25	-
Courthouse Expansion of Parking	PW-0015	430	-	-	-	-	-	-	-	430	-
Convenience Center Expansion	PW-0017	-	-	-	-	-	-	-	460	460	-
Renovations of Village Building Bathrooms	PW-0018	25	-	-	-	-	-	-	-	25	-
Office and Gym Upgrades	PW-0019	280	-	100	-	-	-	100	-	380	-
Library Upgrades	PW-0020	170	-	-	-	-	-	-	-	170	-
Skaggs Road Office Building Improvements	PW-0021	-	390	-	-	-	-	390	-	390	-
Access Control for County Facilities	PW-0022	-	60	-	-	-	-	60	-	60	-
Courthouse and Village Lighting and Street Signs	PW-0023	-	50	-	-	-	-	50	-	50	-
Security Vulnerability Evaluation and Report	PW-0024	-	110	50	50	50	50	310	-	310	-
Transportation Master Plan	PW-0025	-	100	-	-	-	-	100	-	100	-
Total Public Works		\$ 4,402	\$ 1,020	\$ 1,182	\$ 343	\$ 175	\$ 50	\$ 2,770	\$ 1,260	\$ 8,432	\$ -

Projects Estimates

A & E	\$ 235	\$ 110	\$ -	\$ -	\$ -	\$ -	\$ 110	\$ 260	\$ 605	\$ -
Land Acquisition	600	-	-	-	-	-	-	100	700	-
Construct/Purchase	3,567	910	1,182	343	175	50	2,560	900	7,027	-
Total Projects Estimate	\$ 4,402	\$ 1,020	\$ 1,182	\$ 343	\$ 175	\$ 50	\$ 2,670	\$ 1,260	\$ 8,332	\$ -

Funding Sources

General Fund	\$ 1,972	\$ 1,020	\$ 1,182	\$ 343	\$ 175	\$ 50	\$ 2,670	\$ 1,260	\$ 5,902	\$ -
Bonds General	2,430	-	-	-	-	-	-	-	2,430	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding Sources	\$ 4,402	\$ 1,020	\$ 1,182	\$ 343	\$ 175	\$ 50	\$ 2,670	\$ 1,260	\$ 8,332	\$ -

Project Description
 Replace roofs on County Buildings:
 Courthouse - \$120,000 - FY 2016
 Village Building - 175,000 - FY 2018
 Administration Building - 125,000 - FY 2019
 Human Services Building - 75,000 – FY 2019

Project Justification
 The roofs of the Courthouse, Village Building, Administration Building, and Human Services Building are at the end of their useful lives and must be replaced.

Conforms With Comprehensive Plan? Yes No NA

Function: General Government Year Introduced: FY 2014
 Project Type: Buildings Change from Prior:
 Department: Facilities/Grounds Start Year: FY 2016
 Account Number: End Year: FY 2018

Financial Summary	<i>Dollars in Thousands</i>									
	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	295	175	325	200	-	-	700	-	995	-
Total Estimate	295	175	325	200	-	-	700	-	995	-
Funding Sources										
Operating Funds	295	175	325	200	-	-	700	-	995	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	295	175	325	200	-	-	700	-	995	-

Project Description

HVAC systems generally last about 20 years before they need to be replaced (maintenance costs begin to exceed savings from a new unit). The units on the attached schedule are will need to be replaced during the next five years.

Project Justification

As HVAC systems age, they become less efficient and require more frequent repairs and maintenance. Physical deterioration of the units also occurs, especially in the components located outside. Advances in energy efficiency lowers the operating cost of newer units, helping to recover the costs of replacing older systems, and saves energy.

Conforms With Comprehensive Plan? Yes No NA

Function: General Government Year Introduced: FY 2003
 Project Type: Buildings Change from Prior: Cost Increase
 Department: Facilities/Grounds Start Year: FY 2015
 Account Number: End Year: FY 2015

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	539	135	267	93	125	-	620	-	1,159	-
Total Estimate	539	135	267	93	125	-	620	-	1,159	-
Funding Sources										
Operating Funds	539	135	267	93	125	-	620	-	1,159	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	539	135	267	93	125	-	620	-	1,159	-



Project Description

Construct a second convenience center in the east end of the County. The new convenience center will handle additional solid waste and recycling needs for the residents of Powhatan. The project will include a gate house space for customer drop off bins as well as staging areas. A minimum of 6 acres will be required.

Operating Impacts: Telephone, internet, water, etc. \$2,500; Uniforms \$3,000. Additional 1/30 increase in revenue of \$20,000.

Project Justification

The County is nearing the maximum capacity and available space at the existing Mitchell Road Convenience Center. As the population increases in the County, an additional Convenience Center will be needed to efficiently handle the increased solid waste and recycling needs of the County. During peak days, drop off lines form and the capacity for disposal is maxed out.

Conforms With Comprehensive Plan Yes No NA

Function: General Government

Year Introduced: FY 2014

Project Type: Buildings

Change from Prior:

Department: Facilities/Grounds

Start Year: Future

Account Number:

End Year: Future

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	150	-	-	-	-	-	-	-	150	-
Land Acquisition	600	-	-	-	-	-	-	-	600	-
Construct/Purchase	1,000	-	-	-	-	-	-	-	1,000	-
Total Estimate	1,750	-	-	-	-	-	-	-	1,750	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	1,750	-	-	-	-	-	-	-	1,750	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	1,750	-	-	-	-	-	-	-	1,750	-

Project: Old Plantation Road Improvements

PW-0006



Project Description

Asphalt paving of approximately 1/2 mile of Old Plantation Road. This road is the County's access to the Animal Shelter, Fighting Creek Waste Water Treatment Plant, new Storage Warehouse used by Public Works and Sheriff's Department and soccer field used by athletic groups. **Operating impacts:** The upgrades would create less wear and tear on County vehicles.

Project Justification

Old Plantation Road is a gravel access road that has steep grades and tight shoulders which has created a lot of maintenance and cost over the years. There is a box culvert where the gravel road crosses Fighting Creek and due to the grade and gravel it creates a hazard for County vehicles and citizens. During the winter months freeze thaw conditions makes the road tacky and slick, during heavy rain there is erosion and rutting that causes even more maintenance to restore the road. With the completion of the new County Storage Warehouse there will also be an increase in vehicle traffic. Paving Old Plantation Road will provide safe travel for accessing these County facilities and will greatly reduce the amount of time and money spent on road maintenance.

Conforms With Comprehensive Plan Yes No NA

Function: General Government

Year Introduced: FY 2015

Project Type:

Change from Prior: Cost Increase

Department: Facilities/Grounds

Start Year: FY 2016

Account Number:

End Year: FY 2016

Financial Summary

Dollars in Thousands

	<u>FY 2019</u> <u>& Prior</u>	<u>FY</u> <u>2020</u>	<u>FY</u> <u>2021</u>	<u>FY</u> <u>2022</u>	<u>FY</u> <u>2023</u>	<u>FY</u> <u>2024</u>	<u>5 Year</u> <u>CIP Total</u>	<u>Future</u> <u>Years</u>	<u>Total</u> <u>Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	190	-	-	-	190	-	190	-
Total Estimate	<u>-</u>	<u>-</u>	<u>190</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>190</u>	<u>-</u>	<u>190</u>	<u>-</u>
Funding Sources										
Operating Funds	-	-	190	-	-	-	190	-	190	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	<u>-</u>	<u>-</u>	<u>190</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>190</u>	<u>-</u>	<u>190</u>	<u>-</u>

Project Description

The extension of Mann Road approximately 2000 linear feet from its current terminus to Plantation Road. The project will provide a paved road surface, curb and gutter, storm drainage and lighting with underground electrical service. **Operating impacts:** None

Project Justification

The project will provide enhanced traffic flow and provide County staff direct access to the Animal Shelter, County Warehouse, and Fighting Creek WWTF. The project will also provide a secondary access point to these facilities and an emergency exit route from Fighting Creek Park.

Conforms With Comprehensive Plan Yes No NA

Function: General Government

Year Introduced: FY 2016

Project Type:

Change from Prior:

Department: Facilities/Grounds

Start Year: FY 2016

Account Number:

End Year: FY 2020

Financial Summary

Dollars in Thousands

	<u>FY 2019</u> <u>& Prior</u>	<u>FY</u> <u>2020</u>	<u>FY</u> <u>2021</u>	<u>FY</u> <u>2022</u>	<u>FY</u> <u>2023</u>	<u>FY</u> <u>2024</u>	<u>5 Year</u> <u>CIP Total</u>	<u>Future</u> <u>Years</u>	<u>Total</u> <u>Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	200	200	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	600	600	-
Total Estimate	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>800</u>	<u>800</u>	<u>-</u>
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	800	800	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>800</u>	<u>800</u>	<u>-</u>



Project Description

The public bathrooms in the Administration Building are in poor condition and need to be renovated to better accommodate the public. The building has no front desk to greet the public and provide directions to the various County department. This project will upgrade the bathrooms and add an information desk.

Operating impacts: None

Project Justification

The existing bathrooms in the Administration building are in poor condition and in need of upgrades to provide hygienic facilities such as self-flushing toilets, and hands-free alternatives to minimize the spread of germs and provide a safe and aesthetically pleasing facility. The building has no front desk to greet the public and provide directions to the various County Departments.

Conforms With Comprehensive Plan? Yes No NA

Function: General Government

Year Introduced: FY 2018

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	95	-	-	-	-	-	-	-	95	-
Total Estimate	95	-	-	-	-	-	-	-	95	-
Funding Sources										
Operating Funds	95	-	-	-	-	-	-	-	95	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	95	-	-	-	-	-	-	-	95	-

Project: Village Building Generator and Electrical Upgrades

PW-0010



Project Description

Install an emergency backup generator at the Village Building to maintain vital services in the case of a power failure. **Operating impacts:** Fuel \$1,000

Project Justification

The Village Building currently houses Fire Administration, Community Services, Voter Registrar and the Extension office. Several of these organizations provide critical services for the public that could be severely impacted by the loss of power. In addition the building could be used to house evacuees in case of a natural disaster. The Village Building should be equipped with an emergency generator in order to maintain vital services to the public.

Conforms With Comprehensive Plan? Yes No NA

Function: General Government

Year Introduced: FY 2018

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	<u>FY 2019</u> <u>& Prior</u>	<u>FY</u> <u>2020</u>	<u>FY</u> <u>2021</u>	<u>FY</u> <u>2022</u>	<u>FY</u> <u>2023</u>	<u>FY</u> <u>2024</u>	<u>5 Year</u> <u>CIP Total</u>	<u>Future</u> <u>Years</u>	<u>Total</u> <u>Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	250	-	-	-	250	-	250	-
Total Estimate	<u>-</u>	<u>-</u>	<u>250</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>250</u>	<u>-</u>	<u>250</u>	<u>-</u>
Funding Sources										
Operating Funds	-	-	250	-	-	-	250	-	250	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	<u>-</u>	<u>-</u>	<u>250</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>250</u>	<u>-</u>	<u>250</u>	<u>-</u>



Project Description
 Install tile on the lower portion of the major corridors for Company #2 Fire Station. **Operating impacts:** None

Project Justification

The existing high traffic corridors of Company #2 fire station are finished with drywall and paint. The drywall is not holding up to the wear and tear typical of a fire station and the traffic experienced in the access corridors. Providing tile on the lower portions of the walls will improve the durability of the walls and reduce maintenance costs.

Conforms With Comprehensive Plan? Yes No NA

Function: General Government

Year Introduced: FY 2018

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	<u>FY 2019</u> <u>& Prior</u>	<u>FY</u> <u>2020</u>	<u>FY</u> <u>2021</u>	<u>FY</u> <u>2022</u>	<u>FY</u> <u>2023</u>	<u>FY</u> <u>2024</u>	<u>5 Year</u> <u>CIP Total</u>	<u>Future</u> <u>Years</u>	<u>Total</u> <u>Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	30	-	-	-	-	-	-	-	30	-
Total Estimate	30	-	-	-	-	-	-	-	30	-
Funding Sources										
Operating Funds	30	-	-	-	-	-	-	-	30	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	30	-	-	-	-	-	-	-	30	-

Project: Courthouse Expansion of Parking

PW-0015



Project Description

Parking around the courthouse is extremely limited. With the courthouse expansion project completion further parking places will be eliminated. During court days the public is forced to park across the street and on the side street in parking designated for Powhatan business clients. The project will expand and pave the gravel lot on Marion Harland Lane.

Operating Impacts: Additional costs for lighting plan - \$2,500 per year.

Project Justification

To alleviate congestion around the courthouse area during court days. Provide safe and convenient parking for businesses and citizens accessing the courthouse.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	30	-	-	-	-	-	-	-	30	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	400	-	-	-	-	-	-	-	400	-
Total Estimate	430	-	-	-	-	-	-	-	430	-
Funding Sources										
Operating Funds	30	-	-	-	-	-	-	-	30	-
Bonds General	400	-	-	-	-	-	-	-	400	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	430	-	-	-	-	-	-	-	430	-



Project Description
 Expansion of the Convenience Center to provide additional vehicle lanes and compactors in order to maintain acceptable service level until an additional Convenience Center can be constructed. **Operating impacts:** There will be a need for additional personnel (2 PT), waste disposal, electricity and recycle pulls for a total of \$74,500.

Project Justification

The County is nearing the maximum capacity and available space at the Mitchell Road Convenience Center. In order to continue to provide a high level of service for Powhatan residents, the facility needs to be expanded to add two additional lanes and compactors. The proposed expansion will avoid long wait times and ques that back up on Mitchell Road. In addition the expansion will provide needed capacity until an additional Convenience Center can be constructed.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced: FY 2018

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	60	60	-
Land Acquisition	-	-	-	-	-	-	-	100	100	-
Construct/Purchase	-	-	-	-	-	-	-	300	300	-
Total Estimate	-	-	-	-	-	-	-	460	460	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	460	460	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	-	-	-	-	460	460	-

Project: Renovations of Village Building Bathrooms

PW-0018

Project Description

Replace fixtures, flooring, stalls and painting of public bathrooms in the Village Building. **Operating impacts:** None

Project Justification

The Village Building auditorium is used for public events, Board of Supervisor meetings, School Board meetings and many other County meetings and events. The building has two public restroom facilities on the main floor. The facilities have not been upgraded and are dated, in poor condition and do not provide hygienic practices such as hands free dryers, faucets, and toilets.

Conforms With Comprehensive Plan? Yes No NA

Function: Year Introduced: FY 2019

Project Type: Change from Prior:

Department: Start Year:

Account Number: End Year:

Financial Summary

Dollars in Thousands

	<u>FY 2019 & Prior</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>5 Year CIP Total</u>	<u>Future Years</u>	<u>Total Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	25	-	-	-	-	-	-	-	25	-
Total Estimate	25	-	-	-	-	-	-	-	25	-
Funding Sources										
Operating Funds	25	-	-	-	-	-	-	-	25	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	25	-	-	-	-	-	-	-	25	-



Project Description

As the old middle school is vacated and relocated to the newly constructed middle school, the School Board plans to relocate the administrative functions to the old school and vacate the current School Board offices. It is anticipated that the County will obtain ownership of the gym area of the old school and the vacated school board building. The County plans to use the old School Board office to relocate public works and eliminate the rent for the current space. In addition the Gym will be used by the Parks and Recreation Department.

Operating Impacts: additional PT employee-\$14,000/year; electricity-\$4,000; water & sewer-\$1,500; cleaning services-\$4,000; cleaning and supplies-\$1,500

Project Justification

Obtaining the gym and fields at the old middle school for the County Parks and Recreation Department will allow the Department to expand services and programs being offered to the public. Moving the Public Works Department to the old School Board office will eliminate the \$35,000/year rent currently being paid for the Public Works Department. Further evaluation by School Board officials and Public Works personnel indicated additional work that will be required to adapt the space for Parks and Recreation. Additional upgrades include; replacing gyn scoreboard, replacing damaged bleachers, replacing outdated security cameras, adding access control and monitoring.

Conforms With Comprehensive Plan? Yes No NA

Function: Year Introduced: FY 2019
 Project Type: Change from Prior:
 Department: Start Year:
 Account Number: End Year:

Financial Summary	<i>Dollars in Thousands</i>									
	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	30	-	-	-	-	-	-	-	30	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	250	-	100	-	-	-	100	-	350	-
Total Estimate	280	-	100	-	-	-	100	-	380	-
Funding Sources										
Operating Funds	-	-	100	-	-	-	100	-	100	-
Bonds General	280	-	-	-	-	-	-	-	280	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	280	-	100	-	-	-	100	-	380	-



Project Description

Project moved from Capital Maintenance to CIP. The library circulation desk and interior lighting upgrades were allocated a total of \$25,000 in FY18. The previous allocation will be transferred to this CIP project and the project scope expanded to include technology upgrades to meeting rooms, self checkout, additional private work spaces, upgrades to children's area seating and eliminating tripping hazard, carpet and furniture replacements. The project will be constructed in phases to minimize impacts to the public and to spread out the budget impact. **Operating impacts:** None

Project Justification

The current Powhatan County Public Library building was erected in 2001. In the intervening 17 years, much has changed. New technology, ADA requirements, staffing & Library activities have evolved. Shelving may be reconfigured and retrofitted to convert the main area to multi-use, providing an alternate venue for events and programs. Reconfiguration will provide popular, in-demand, smaller private study spaces for work, study, and tutoring. Scaling down the circulation desk and adding a self-checkout option further enables the Library to offer patrons an efficient, time-saving service. The curved step leading from the atrium into the adult shelving area has caused patrons to trip and/or fall so it should be eliminated. Updating the meeting room technology, and replacing worn carpet and furniture are necessary due to the age of the facility.

Friends of the Library provides significant financial support for the Library. The Spring '18 book sale will be their last. With an aging volunteer population, it is no longer feasible for the FOL to hold large book sales. The FOL have requested space in the Library building which will provide indoor storage and may be used for a perpetual book sale to generate revenue. Without the kiosk, the FOL may be unable to provide future financial support for the Library and its patrons.

Conforms With Comprehensive Plan? Yes No NA

Function: Year Introduced: FY 2019

Project Type: Change from Prior:

Department: Start Year:

Account Number: End Year:

Financial Summary	Dollars in Thousands									
	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	170	-	-	-	-	-	-	-	170	-
Total Estimate	170	-	-	-	-	-	-	-	170	-
Funding Sources										
Operating Funds	170	-	-	-	-	-	-	-	170	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	170	-	-	-	-	-	-	-	170	-



Project Description

In order to accommodate County Departments moving into the School Board Office on Skaggs Rd upgrades to mechanical, electrical and structure systems need to be complete. HVAC replacement \$99,000, ADA improvements \$35,000, Fire Alarm system \$36,000, brick repointing, gutters, fascia, paint \$60,000, landscaping \$20,000, Roof Repairs \$10,000, Interior finishes \$100,000
Operating impacts: FY21 (and all future years) to the Facilities budget include additional cleaning supplies-\$1,500; water and sewer costs- \$2,000; electricity-\$10,000; Maintenance and Service contracts-\$5000;

Project Justification

The building was evaluated by Wiley & Wilson engineers to determine improvement that need to be made in order to repurpose the building from school administration to County Departments (Public Works, IT). Additional work will be funded by the Free Clinic to upgrade the newer wing of the building to accomodate their needs. The building is proposed to be split into two separate wings, one for Free Clinic and one for Public Works and IT.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	10	-	-	-	-	10	-	10	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	380	-	-	-	-	380	-	380	-
Total Estimate	-	390	-	-	-	-	390	-	390	-
Funding Sources										
Operating Funds	-	390	-	-	-	-	390	-	390	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	390	-	-	-	-	390	-	390	-

Project: Access Control for County Facilities

PW-0022



Project Description
 To add door hardware and software applications to remotely control door locks in order to secure County buildings. The following buildings need access control; Administration, Company #1 Fire Station, Courthouse/Circuit Court, Skaggs Rd. In addition security cameras need to be added at the Administration Building and Skaggs Rd building. **Operating impacts:** includes additional IT personnel to manage access control and scheduling-\$14,000 in future years.

Project Justification
 Security is becoming more of a concern for public buildings as a means to protect employees safety as well as to protect County assets. Public Works has been working towards securing County Buildings with access control over the past few years. Company #2, The Village Building and the Courthouse all have access control as well as the new Courthouse expansion. The goal is to have all County facilities secured with the same software and the system maintained through one department for scheduling and maintaining.

Conforms With Comprehensive Plan? Yes No NA

Function: _____ Year Introduced: _____

Project Type: _____ Change from Prior: _____

Department: _____ Start Year: _____

Account Number: _____ End Year: _____

Financial Summary	Dollars in Thousands									
	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	60	-	-	-	-	60	-	60	-
Total Estimate	-	60	-	-	-	-	60	-	60	-
Funding Sources										
Operating Funds	-	60	-	-	-	-	60	-	60	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	60	-	-	-	-	60	-	60	-

Project: Courthouse and Village Lighting and Street Signs

PW-0023



Project Description

To upgrade high pressure sodium lights in Courthouse square to LED and extend street lighting from Yates Lane to Administration Building and from the Courthouse to the Village Building (Skaggs Rd). In addition the project will upgrade street and traffic signs to decorative fixtures to improve the Courthouse and Village areas.

Operating impacts: approximately \$5,000 increase per year in electrical costs for new lights.

Project Justification

To improve the overall appearance of the Village area of Powhatan to encourage events and services that bring the public to the Village area which promotes tourism and economic development.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	50	-	-	-	-	50	-	50	-
Total Estimate	-	50	-	-	-	-	50	-	50	-
Funding Sources										
Operating Funds	-	50	-	-	-	-	50	-	50	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	50	-	-	-	-	50	-	50	-

Project Description
 The County will procure the services of an experienced security evaluation firm that will conduct onsite research to determine security vulnerabilities and make recommendations on solutions that will ensure the safety and protection of staff while still providing public accessibility. The evaluation will include; The Courthouse (district and circuit court), the Village Building, Administration Building, Skaggs Rd Building, Human Services Building (Social Services and Health Department), Convenience Center and the Maintenance Shop.
Operating impacts: service and maintenance agreements for access control and depends on the recommendations implemented.

Project Justification

In light of recent tragic events in Virginia Beach, the County wishes to conduct a vulnerability and security evaluation of County Facilities. The evaluation will make recommendations on security, access control and safety projects that need to be put in place to protect employees, to the maximum allowable, while still providing public access. This project also includes installation and one year of monitoring for panic buttons to be installed at critical locations inside County Facilities. The Facilities operating budget will have a line item added for security (monitoring and maintenance). Future years include funding for implementation of recommendations.

Conforms With Comprehensive Plan? Yes No NA

Function: Year Introduced:
 Project Type: Change from Prior:
 Department: Start Year:
 Account Number: End Year:

Financial Summary	<i>Dollars in Thousands</i>									
	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	100	-	-	-	-	100	-	100	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	10	50	50	50	50	210	-	210	-
Total Estimate	-	110	50	50	50	50	310	-	310	-
Funding Sources										
Operating Funds	-	110	50	50	50	50	310	-	310	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	110	50	50	50	50	310	-	310	-

Powhatan County
FY 2020 Capital Improvement Program (CIP)

Dollars in Thousands

Parks and Recreation Projects

Project Name	#	FY 2014 - FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Fighting Creek Park Expansion Phase #3	PR-0001	\$ -	\$ -	\$ -	\$5,000	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -
Fighting Creek Park Land Expansion	PR-0002	-	8	-	192	-	-	200	-	200	-
Softball Complex Concession Facility	PR-0003	-	-	-	500	-	-	500	-	500	-
Multipurpose Field	PR-0004	160	-	-	-	-	-	-	-	160	-
Additional Practice Field	PR-0005	-	-	-	-	-	-	-	-	-	200
Field Improvements - Jr High	PR-0006	668	-	-	-	-	-	-	-	668	-
FCP Blue Field Expansion	PR-0007	30	-	-	-	-	-	-	-	30	-
Field Improvements - Elementary Schools	PR-0008	42	-	-	-	-	-	-	-	42	-
Skate Park and Parking Expansion	PR-0009	-	-	400	-	-	-	400	-	400	-
Fighting Creek Park-Lighting Upgrade	PR-0010	100	-	-	-	-	-	-	-	100	-
Athletic Field Improvements - Lighting	PR-0011	758	-	-	-	-	-	-	-	758	-
Development of Recreation Plan	PR-0012	35	60	-	-	-	-	60	-	95	-
Village Building Sports Fields Upgrades	PR-0013	500	-	-	-	-	-	-	-	500	-
Dog Park	PR-0014	-	-	45	-	-	-	45	-	45	-
Turner Sports Complex Parking Expansion	PR-0015	-	-	200	-	-	-	200	-	200	-
Fighting Creek Park Additional Bathrooms	PR-0016	-	-	200	-	-	-	200	-	200	-
Total Parks and Recreation		\$ 2,293	\$ 68	\$ 845	\$ 5,692	\$ -	\$ -	\$ 6,605	\$ -	\$ 8,898	\$ 200
Projects Estimates											
A & E		\$ -	\$ -	\$ 200	\$ 60	\$ -	\$ -	\$ 260	\$ -	\$ 260	\$ 32
Land Acquisition		-	8	-	192	-	-	200	-	200	-
Construct/Purchase		2,293	60	645	5,440	-	-	6,145	-	8,438	168
Total Projects Estimate		\$ 2,293	\$ 68	\$ 845	\$ 5,692	\$ -	\$ -	\$ 6,605	\$ -	\$ 8,898	\$ 200
Funding Sources											
General Fund		\$ 367	\$ 68	\$ 845	\$ 192	\$ -	\$ -	\$ 1,105	\$ -	\$ 1,472	\$ -
Bonds General		1,926	-	-	5,500	-	-	5,500	-	7,426	200
Bonds Schools		-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other		-	-	-	-	-	-	-	-	-	-
Total Funding Sources		\$ 2,293	\$ 68	\$ 845	\$ 5,692	\$ -	\$ -	\$ 6,605	\$ -	\$ 8,898	\$ 200



Project Description

Construction of additional ball fields with a central concessions building and press box. Also included are athletic field lighting, fencing, paved parking, and an extension of Mann Road.
Operating impacts: There will be the need for additional personnel (2PT, 1FT), increased electricity, increased water and sewer for a total of \$62,000.

Project Justification

The existing athletic fields are used by tournaments, recreation leagues, and travel teams. The increased requests for their use has exceeded the available field capacity. Additional fields will help bring in more tournaments and meet the increased demand by local teams. They could also be used as an economic development tool to increase local business. The Mann Road extension will allow improved access to several County facilities and a practice field that currently rely on a private road for access.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced: FY 2009

Project Type: Land Improvements

Change from Prior:

Department: Facilities/Grounds

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	5,000	-	-	5,000	-	5,000	-
Total Estimate	-	-	-	5,000	-	-	5,000	-	5,000	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	-	-	-	5,000	-	-	5,000	-	5,000	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	5,000	-	-	5,000	-	5,000	-



Project Description

Purchase of land to expand the existing park for future additional athletic fields and other recreational amenities. **Operating impacts: None**

Project Justification

The existing park is widely used and contains recreational trails, athletic fields, picnic shelters, a demonstration garden, and a playground. Also located within the park is an armory, YMCA, library, and fire station. The number of visitors and athletes using the park continues to increase. Additional land for the park will help meet this increased demand for recreation while allowing for more potential events and amenities. Undeveloped land surrounding the park and now available for expansion could in future years be developed or subdivided, making it unavailable for recreational use.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced: FY 2015

Project Type: Land

Change from Prior:

Department: Facilities/Grounds

Start Year: FY 2015

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	8	-	192	-	-	200	-	200	-
Construct/Purchase	-	-	-	-	-	-	-	-	-	-
Total Estimate	-	8	-	192	-	-	200	-	200	-
Funding Sources										
Operating Funds	-	8	-	192	-	-	200	-	200	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	8	-	192	-	-	200	-	200	-



Project Description

Construction of a central concession building with restrooms and a pavilion for seating at the Admin. Softball Complex. In FY 20, Construction of a central concession building w/ restrooms and a pavilion at Turner Softball Complex: \$500,000 And, 10% for contingency for FY 20: \$50,000. **Operating impacts:** None

Project Justification

The current concession building at the Turner Softball Complex was built years ago by the PYAA and is a stick built, shed-like constructed building that has been deteriorating over the years and is beyond repair for use as a viable concession that can be kept up to Code. This concession will help attract and promote the use of the Turner Complex for softball tournaments, including Dixie Youth State Tournaments, as well.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced: FY 2018

Project Type: Land

Change from Prior:

Department: Facilities/Grounds

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	60	-	-	60	-	60	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	440	-	-	440	-	440	-
Total Estimate	-	-	-	500	-	-	500	-	500	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	-	-	-	500	-	-	500	-	500	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	500	-	-	500	-	500	-



Project Description
 Fighting Creek Park Blue Field Expansion to help meet tournament needs for baseball players over 12 years old. This would include expanding the fence from 275' to 300', moving the lights and scoreboard, crane work, sodding the expanded area and adding a warning track, electrical work, wind screen, foul poles, adding 90' base anchors, expanding the infield, cutting trees up to the gas easement in center field, etc. **Operating impacts: None**

Project Justification

There are currently 4 baseball/softball fields at Fighting Creek Park, and of the 4 current fields, the Blue Field is the only one that could possibly be extended to help meet the needs for baseball participants over 12 years old. We can currently hold softball tournaments on this field and baseball tournaments if they are 12 years old or younger, The bases only go to 80', and they need to go to 90'. The outfield fence needs to be at a minimum of 300' to help draw tournaments and increase the level of usage of the fields at the park. The Orange and Green fields only have a 200' fence and can't be expanded, and the Black Field has a 300' fence but can't be expanded wither due to easements, electric and gas lines, etc. These baseball/softball fields at Fighting Creek Park ate used by Little League, PYAA, Travel Teams, and Tournament Teams from Powhatan and the surrounding counties as well as out-of-state teams.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	<u>FY 2019</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>5 Year</u>	<u>Future</u>	<u>Total</u>	<u>Defer</u>
	<u>& Prior</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>CIP Total</u>	<u>Years</u>	<u>Project</u>	
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	30	-	-	-	-	-	-	-	30	-
Total Estimate	30	-	-	-	-	-	-	-	30	-
Funding Sources										
Operating Funds	30	-	-	-	-	-	-	-	30	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	30	-	-	-	-	-	-	-	30	-

Project: Skate Park and Parking Expansion

PR-0009



Project Description

Construction of additional parking at Pocohontas Middle school to accommodate Parks and Recreation activities at the gym. In addition this project will convert the existing tennis courts into a Skate Park.



Project Justification

Powhatan County currently does not have a skate park or designated area for kids to ride their skateboards on County property, and skateboards are not allowed at the parks. There has been an increased number of citizen requests, including a letter to the Board, for this type of recreational activity in a designated area in the County. Right now, kids must go to one of our surrounding counties like Chesterfield, Goochland, Henrico, or Hanover to enjoy skateboarding in a designated area with proper equipment. This project would help meet the needs for alternative outdoor recreation instead of activities on current ball fields, trails, or playgrounds. In September 2019, the County will acquire the gymnasium at the Pocahontas Middle School but will continue to share the limited parking lot with the school administration staff (approx. 30), additional parking is needed to accommodate the parks and recreation activities and field use.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	400	-	-	-	400	-	400	-
Total Estimate	-	-	400	-	-	-	400	-	400	-
Funding Sources										
Operating Funds	-	-	400	-	-	-	400	-	400	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants/Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	400	-	-	-	400	-	400	-



Project Description

Construction, purchase, installation, and upgrade to the Lighting Panel, Controls, Wiring, and Switchgear at Fighting Creek Park Baseball/Softball Fields. Completion of the upgrade to make the lights game ready for Baseball and Softball would include an upgraded panel, switchgear box, controls, wiring, etc. to make them turn-key ready.

Southside change from 3 phase to one phase: \$40,000

Re-wiring: \$20,000

Musco Lighting on current electrical switchgear box: \$26,000

Security Lighting for Parking: \$5,000

And, 10% for contingency: \$9,000

Project Justification

The Lighting at Fighting Creek Park is expensive and we run on a commercial grade for the lighting, causing it to increase the cost based on peak spikes in usage. The lights must be flipped on in no less than 15 minute intervals, which is hard to control and monitor unless staff are right there to maintain them throughout the year. By replacing the panel, wiring, controls, switchgear, phasing, etc. it will save the County in lighting costs, paying for itself in less that 6 months of billing. This will be a tremendous saving to the citizens of Powhatan County, and by upgrading to a new Musco system, the lights will be able to be controlled by using an app or computer program.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	100	-	-	-	-	-	-	-	100	-
Total Estimate	100	-	-	-	-	-	-	-	100	-
Funding Sources										
Operating Funds	100	-	-	-	-	-	-	-	100	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	100	-	-	-	-	-	-	-	100	-

Project: Athletic Field Improvements - Lighting

PR-0011



Project Description

In FY 18, Construction, purchase, and installation of lights at the Turner Complex and the Multipurpose Admin Field (Home of Lacrosse) to make them game ready fields for Softball, Lacrosse, and Soccer. This would include lights, poles, panels, controls, etc. to make them turn-key ready.

Project Justification

These Lights, Poles, and Wiring are a major safety concern, especially on the girls softball fields. There have been times when the boxes have shorted out, caused small electrical fires, gone out during the middle of a game, etc. due to the poor condition of the wires and allowing moisture into the boxes, etc. The poles are also wooden, allowing for deterioration and woodpecker holes, etc. It would be more cost effective and energy efficient saving more money in electric costs over the long run to replace everything than to try to repair and replace all the wiring, fittings, mounts, etc. to keep them from being a safety concern.

Project Completed in FY18

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary	Dollars in Thousands									
	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	758	-	-	-	-	-	-	-	758	-
Total Estimate	758	-	-	-	-	-	-	-	758	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	758	-	-	-	-	-	-	-	758	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	758	-	-	-	-	-	-	-	758	-

Project: Development of Recreation Plan

PR-0012

Project Description
 Development of a recreation plan that addresses the needs of all citizens, to include revenue potential. In order to evaluate the needs of all citizens a consultant needs to be hired to perform a needs assessment and make recommendations for 5 year, 10 year and 15 year plans. Based on the consultant's recommendations staff will develop a plan. **Operating impacts:** None

Project Justification

The Board of Supervisors 2016 Vision Statement, adopted on September 29th, 2016, included a focus on Quality Community. To focus on Quality Community, the Board identified as a three year priority the development of a recreation plan that addresses the needs of all citizens.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	<u>FY 2019 & Prior</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>5 Year CIP Total</u>	<u>Future Years</u>	<u>Total Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	35	60	-	-	-	-	60	-	95	-
Total Estimate	35	60	-	-	-	-	60	-	95	-
Funding Sources										
Operating Funds	35	60	-	-	-	-	60	-	95	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	35	60	-	-	-	-	60	-	95	-

Project: Village Building Sports Fields Upgrades

PR-0013



Project Description

The Village Building Sports Fields include Aces Field, Lonesome Oak and the T-ball field. These fields are heavily used and are some of the oldest fields the County has. The fields are in need of new fencing, lighting, backstops, lazer grading and scoreboards.

Project Justification

The Village Building Fields are heavily used for baseball and t-ball. The fields have received little maintenance and improvements in the past ten years. Fencing, backstops and lighting need to be upgraded for safety of the players and spectators. In order for the parks and recreation to continue to offer quality facilities for tournaments and local sports organizations the fields need to be upgraded.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced: FY 2019

Project Type:

Change from Prior:

Department:

Start Year:

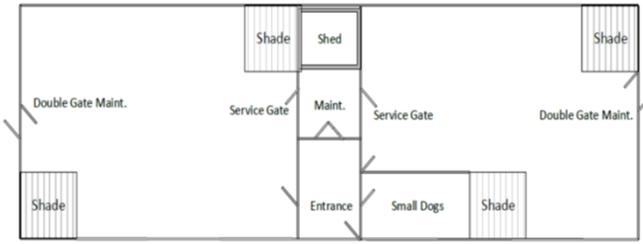
Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	500	-	-	-	-	-	-	-	500	-
Total Estimate	500	-	-	-	-	-	-	-	500	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	500	-	-	-	-	-	-	-	500	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	500	-	-	-	-	-	-	-	500	-



Project Description

This project will construct a dog park on County owned land next to the County warehouse and Animal Shelter. The park will be comprised of galvanized fencing split into two sections for maintenance of grass, benches, shades and a maintenance shed.

Project Justification

According to the Treasurers office dog tag purchases has increased more than 18 percent in the last year. The closest dog park to Powhatan is located in Chesterfield County (Rockwood Park). Many property owners do not have large fenced yards for their dogs to run without a leash. In addition the park lets dogs socialize to keep them from getting bored. The proposed location would also allow the Animal Shelter to exercise the dogs that they have at their facility and offers a space for volunteers to take shelter dogs to play in addition to offering close response if there is ever an issue at the park. The proposed park would have to include additional parking as well. There is considerable public support for this project as many dog owners currently go to Chesterfield or Henrico.

Conforms With Comprehensive Plan Yes No N/A NA

Function:

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	45	-	-	-	45	-	45	-
Total Estimate	-	-	45	-	-	-	45	-	45	-
Funding Sources										
Operating Funds	-	-	45	-	-	-	45	-	45	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	45	-	-	-	45	-	45	-

Project: Turner Sports Complex Parking Expansion

PR-0015



Project Description

A new centralized location is proposed for the concession and bathroom building. Relocating a new building will open up the existing building site to be developed into additional parking. Existing parking areas will be improved in addition to drainage improvements to prevent storm water from washing out infield material. **Operating impacts:** None

Project Justification

Funding for the Turner Field Concession stand has been requested for many years and has not yet been funded. PR-0003 is currently requesting \$500,000 to building a concession stand. The current location of the concession stand is only convenient for one of the four fields in this complex. This project is to improve the Turner Sports Complex site conditions to expand parking and improve drainage.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	200	-	-	-	200	-	200	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	-	-	-
Total Estimate	-	-	200	-	-	-	200	-	200	-
Funding Sources										
Operating Funds	-	-	200	-	-	-	200	-	200	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	200	-	-	-	200	-	200	-

Project: Fighting Creek Park Additional Bathrooms

PR-0016



Project Description

Construction of ADA accessible bathrooms with running water for playground, pavilions and Fighting Creek Park Trail. **Operating impacts:** The additional costs are electricity, cleaning, water and sewer. There will be additional savings of \$1,500/year for portable bathrooms. Total impact is \$3,000 per year.

Project Justification

Fighting Creek currently has bathroom facilities at the soccer fields and at the baseball pavilion. Portable bathrooms are being used at the palyground area and the pavilions. The closest bathroom to the playground area is the soccer field bathroom which children need to cross Mann Rd which can be very busy especially during tournaments. It is a safety issue to have children crossing a busy road to get to the bathrooms. Portable bathrooms are available close to the park but given odors and lack of clean running water the public prefers to cross Mann Rd and walk the distance to the soccer bathrooms. The proposed location would also serve as restrooms for the trail.

Conforms With Comprehensive Plan? Yes No NA

Function: Parks, Rec. & Cultural

Year Introduced:

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	200	-	-	-	200	-	200	-
Total Estimate	-	-	200	-	-	-	200	-	200	-
Funding Sources										
Operating Funds	-	-	200	-	-	-	200	-	200	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	200	-	-	-	200	-	200	-

[This page intentionally left blank.]

**Powhatan County
FY 2020 Capital Improvement Program (CIP)
Utilities Projects**

Dollars in Thousands

Project Name	#	FY 2014- FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Utilities Master Plan	UT-0001	\$ 84	\$ 65	\$ -	\$ -	\$ -	\$ -	\$ 65	\$ -	\$ 149	\$ -
Flat Rock Water Tower	UT-0002	225	-	-	10	16	16	42	-	267	-
Flat Rock Elevated Tank Mixing System	UT-0004	80	-	-	-	-	-	-	-	80	-
Dutoy Creek WWTP Upgrades	UT-0005	640	-	-	-	-	400	400	-	1,040	-
Fighting Creek WWTP Upgrades	UT-0006	50	-	650	-	-	-	650	-	700	-
Flat Rock Chloramine Booster Station	UT-0007	-	-	40	140	600	-	780	-	780	-
Future Master Plan Water Projects	UT-0008	-	-	100	-	-	-	100	19,600	19,700	-
Future Master Plan Wastewater Projects	UT-0009	-	-	-	-	-	500	500	22,440	22,940	-
Smart Water Technology	UT-0010	-	-	400	-	-	-	400	-	400	-
Cobbs Creek Regional Water Supply	UT-0011	-	-	-	-	-	-	-	-	-	46,500
Water Line Extension	UT-0012	60	-	-	-	-	-	-	-	60	-
Water Tower - Village Area	UT-0013	3,000	-	-	-	-	-	-	-	3,000	-
Dutoy WWTP Upgrades for Future Permit T	UT-0014	-	-	-	-	-	-	-	600	600	-
Utilities Rate Study	UT-0015	25	-	-	-	-	-	-	-	25	-
Fighting Creek WWTP Drainage and Site In	UT-0016	-	-	100	-	-	-	100	-	100	-
WWTP security upgrades	UT-0017	-	70	-	-	-	-	70	-	70	-
Total Projects Estimates		\$ 4,164	\$ 135	\$ 1,290	\$ 150	\$ 616	\$ 916	\$ 3,107	\$ 42,640	\$ 49,911	\$ 46,500
Projects Estimates											
A & E		\$ 199	\$ 75	\$ 160	\$ -	\$ -	\$ 500	\$ 735	\$ -	\$ 934	\$ -
Land Acquisition		-	-	-	140	-	-	140	-	140	-
Construct/Purchase		3,965	60	1,130	10	616	416	2,232	42,640	48,837	46,500
Total Projects Estimate		\$ 4,164	\$ 135	\$ 1,290	\$ 150	\$ 616	\$ 916	\$ 3,107	\$ 42,640	\$ 49,911	\$ 46,500
Funding Sources											
General Fund		\$ 1,164	\$ 135	\$ 1,290	\$ 150	\$ 616	\$ 916	\$ 3,107	\$ 600	\$ 4,871	\$ -
Bonds General		3,000	-	-	-	-	-	-	19,600	22,600	46,500
Bonds Schools		-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other		-	-	-	-	-	-	-	22,440	22,440	-
Total Funding Sources		\$ 4,164	\$ 135	\$ 1,290	\$ 150	\$ 616	\$ 916	\$ 3,107	\$ 42,640	\$ 49,911	\$ 46,500



Project Description

A Utilities Master Plan was completed and adopted in February 2015. The plan identified projects required to provide for the County's future water and wastewater needs. In 2017 the Planning Commission developed an update to the Comprehensive Land Use Plan. In addition developments in water source planning have resulted in the need to update the Master Utility Plan to more accurately reflect the current environment. **Operating impacts:** None

Project Justification

The County's water and wastewater infrastructure and system capacities will need to be expanded as the County grows. The existing systems primarily serve commercial and municipal customers along Route 60 and the Courthouse Village area. The 2017 Long Range Comprehensive Plan identifies growth areas within the County. Projects have been identified that will help expand the water and wastewater systems in phases to serve the Route 60 corridor, Courthouse Village, and Route 711 growth area east of Route 288. The plan needs to be updated with refined estimates of projects based on growth and development since the 2013 plan was developed and developments in water supply planning. In addition to the rapid growth the County has experienced, the Plan is now 5 years old and should be redone every 5-8 years based on growth and changes in the County.

Conforms With Comprehensive Plan? Yes No NA

Function:	Utilities	Year Introduced:	FY 2014
Project Type:	Water/Wastewater	Change from Prior:	New Project
Department:	Public Works - Utilities	Start Year:	FY 2014
Account Number:		End Year:	FY 2015

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	84	65	-	-	-	-	65	-	149	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	-	-	-
Total Estimate	84	65	-	-	-	-	65	-	149	-
Funding Sources										
Operating Funds	84	65	-	-	-	-	65	-	149	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	84	65	-	-	-	-	65	-	149	-



Project Description

Re-coat the interior (wet and dry) and exterior of the existing Flat Rock Water Tower and repair the cathodic protection to industry standards. The County entered a maintenance service agreement in 2017 which addresses painting, general maintenance, inspections and general repairs. **Operating impacts:** FY20=\$14,438 FY21= \$14,438 FY22= \$14, 438 FY23= \$16,026. FY20-\$22,000 painting logo on tank. There will be a marginal increase in the power for the mixer, but it will be small in comparison to the annual maintenance fees above.

Project Justification

The Flat Rock Water Tower is in need of general maintenance and repairs according to an inspection report by Quinn Consulting Services dated June 2, 2014. The repairs are necessary to maintain water quality and preserve the structural integrity of the water tower. Schedule of payments; FY17= \$63,346 FY18= \$63,346 FY19=\$63,346 FY20=\$14,438 FY21= \$14,438 FY22= \$14, 438 FY23= \$16,026. FY20-\$22,000 painting logo on tank.

Conforms With Comprehensive Plan? Yes No NA

Function: Wastewater Operation

Year Introduced: FY 2014

Project Type:

Change from Prior:

Department: Public Works - Utilities

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	225	-	-	10	16	16	42	-	267	-
Total Estimate	225	-	-	10	16	16	42	-	267	-
Funding Sources										
Operating Funds	225	-	-	10	16	16	42	-	267	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	225	-	-	10	16	16	42	-	267	-



Project Description

Purchase and install a UV Davit Crane, Lime Feed System and Portable Belt Press. Magnesium Hydroxide feed system installed FY18 \$397,720. A&E design = \$54,000. FY2024 anticipate the need to purchase a portable sludge press to dewater both plants. **Operating impacts:** Marginal electricity impacts.

Project Justification

From the Water and Wastewater Master Plan dated October 2014 and prepared by Dewberry Engineers Inc.:

1. UV Davit Crane - \$10,000: A manual davit crane should be installed adjacent to the existing UV system to allow for easier removal of the UV modules.
2. Magnesium Hydroxide Feed System - \$397,720: The existing lime feed and storage system requires manual mixing and dilution of the lime slurry. A 50 lb. bag feeder is recommended to reduce operator requirements. This could be installed in the existing chemical feed building. Magnesium Hydroxide feed system selected due to effectiveness at removing metals and reduced clogging.
3. Portable Belt Press - \$400,000: A portable belt press would be used by both the Dutoy Creek WWTP and Fighting Creek.

Conforms With Comprehensive Plan? Yes No NA

Function:	Utilities	Year Introduced:	FY 2015
Project Type:	Wastewater	Change from Prior:	
Department:	Public Works - Utilities	Start Year:	FY 2016
Account Number:		End Year:	FY 2017

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	30	-	-	-	-	-	-	-	30	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	610	-	-	-	-	400	400	-	1,010	-
Total Estimate	640	-	-	-	-	400	400	-	1,040	-
Funding Sources										
Operating Funds	640	-	-	-	-	400	400	-	1,040	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	640	-	-	-	-	400	400	-	1,040	-



Project Description

Upgrade the Influent Pump Station and Grinder/Bypass Screen and Influent Static Screen. **Operating impacts:** Marginal electricity impacts.

Project Justification

From the Water and Wastewater Master Plan dated October 2014 and prepared by Dewberry Engineers Inc.: 1.
 Inadequate Influent Pump Station Capacity During I/I events and digester decant.

Based on information provided by the County, the existing headworks backs up significantly during I/I events and every time the digester is decanted due to undersized influent pumps. This will require the replacement of the existing pumps with larger capacity pumps with associated electrical and controls upgrades.

2. Headworks Issues: Influent Grinder/Bypass Screen and Influent Static Screen

The influent grinder channel is in a deep channel upstream of the influent pump station and is difficult to access which presents maintenance and confined space entry issues. Additionally, the existing static screen at the equalization basin is ineffective and freezes during the winter. If the Fighting Creek WWTP is maintained in service, it is recommended that a new headworks with a self cleaning screen and grit collector be constructed upstream of the equalization basin.

Conforms With Comprehensive Plan? Yes No NA

Function:	Utilities	Year Introduced:	FY 2015
Project Type:	Wastewater	Change from Prior:	
Department:	Public Works - Utilities	Start Year:	FY 2016
Account Number:		End Year:	FY 2017

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	50	-	-	-	-	-	-	-	50	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	650	-	-	-	650	-	650	-
Total Estimate	50	-	650	-	-	-	650	-	700	-
Funding Sources										
Operating Funds	50	-	650	-	-	-	650	-	700	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	50	-	650	-	-	-	650	-	700	-



Project Description

Conduct a study to evaluate the need for a Chloramine Booster Station and if it is deemed to be needed, install a chloramine booster station. **Operating impacts:** None

Project Justification

From the Water and Wastewater Master Plan dated October 2014 and prepared by Dewberry Engineers Inc.: The construction of a chloramine booster station is anticipated, based on limited available information, to reduce flushing requirements because it would maintain disinfectant residual for a longer water age. Although the addition of a booster station would increase water system operational and maintenance requirements, it would be worthwhile if water supply could be conserved. It is recommended that a detailed study be conducted to evaluate the feasibility and benefits of a chloramine booster station.

Conforms With Comprehensive Plan? Yes No NA

Function: Utilities

Year Introduced: FY 2015

Project Type: Water

Change from Prior:

Department: Public Works - Utilities

Start Year: FY 2019

Account Number:

End Year: FY 2020

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	40	-	-	-	40	-	40	-
Land Acquisition	-	-	-	140	-	-	140	-	140	-
Construct/Purchase	-	-	-	-	600	-	600	-	600	-
Total Estimate	-	-	40	140	600	-	780	-	780	-
Funding Sources										
Operating Funds	-	-	40	140	600	-	780	-	780	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	40	140	600	-	780	-	780	-



Project Description

Future Water Projects from the Water and Wastewater Master Plan dated October 2014 and prepared by Dewberry Engineers Inc. Water supply projects include; 1) Route 711 water connection to Goochland \$5,620,000 2) Extend water supply lines from Route 711 to Route 60 \$7,450,000 and 3) Extension of Flat Rock system to Courthouse \$5,600,000. 4) Route 522 water connection to DOC supply to Route 60 \$12,000,000. \$100,000 A&E to investigate alternate water sources i.e. (wells, acquiring utilities)

Project Justification

PROJECTS DEPENDENT ON DEVELOPMENT AND FUTURE GROWTH

Conforms With Comprehensive Plan? Yes No NA

Function: Utilities

Year Introduced: FY 2015

Project Type: Water

Change from Prior:

Department: Public Works - Utilities

Start Year: TBD

Account Number:

End Year: TBD

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	100	-	-	-	100	-	100	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	\$0	-	-	-	-	-	-	19,600	19,600	-
Total Estimate	-	-	100	-	-	-	100	19,600	19,700	-
Funding Sources										
Operating Funds	-	-	100	-	-	-	100	-	100	-
Bonds General	-	-	-	-	-	-	-	19,600	19,600	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	100	-	-	-	100	19,600	19,700	-



Project Description

Future Wastewater Projects from the Water and Wastewater Master Plan dated October 2014 and prepared by Dewberry Engineers Inc. Future projects include; Fighting Creek WWTP pump station and force main \$5,670,000; Dutoy Creek WWTP expansion 0.1MGD to 1.0 MGD \$12,730,000 and Route 711 sanitary sewer expansion \$4,590,000. FY23 begin Engineering design to convert FCWWTP to a pump station and pump to DCWWTP and upgrade of DWWTP scheduled for 2025.

Project Justification

PROJECTS DEPENDENT ON DEVELOPMENT AND FUTURE GROWTH

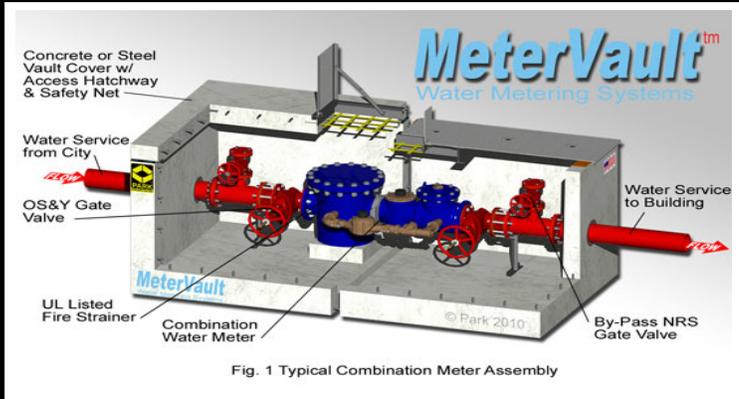
Conforms With Comprehensive Plan? Yes No NA

Function: Utilities Year Introduced: FY 2015
 Project Type: Wastewater Change from Prior:
 Department: Public Works - Utilities Start Year: TBD
 Account Number: End Year: TBD

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	500	500	-	500	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	22,440	22,440	-
Total Estimate	-	-	-	-	-	500	500	22,440	22,940	-
Funding Sources										
Operating Funds	-	-	-	-	-	500	500	-	500	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	22,440	22,440	-
Total Funding	-	-	-	-	-	500	500	22,440	22,940	-



Project Description
 Purchase and Install Radio Read Water Meters and an 8" Water Meter and Vault. **Operating impacts:** None

Project Justification

There is a need for more control and checks of our existing water system to account for all the water that is purchased and sold by the County. By replacing all the existing water meters with radio read meters there will be less dependence on outside vendors for meter reading as well as a more accurate account of all the water our customers are using. This in turn will help reduce the unaccounted water and spikes in our peak day gallons fees by closely monitoring our own water system. The 8" meter and vault, to be placed at the Route 60 Powhatan/Chesterfield County line, also provides for more independence and knowledge of our own system.

Conforms With Comprehensive Plan? Yes No NA

Function: Utilities

Year Introduced: FY 2015

Project Type: Water

Change from Prior:

Department: Public Works - Utilities

Start Year: FY 2016

Account Number:

End Year: FY 2016

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	400	-	-	-	400	-	400	-
Total Estimate	-	-	400	-	-	-	400	-	400	-
Funding Sources										
Operating Funds	-	-	400	-	-	-	400	-	400	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants /Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	400	-	-	-	400	-	400	-

Project Description

Extend water line 275 feet to interconnect lines behind high school to eliminate flushing needs and reduce water usage for flushing.

Project Justification

If not funded, there will be increased expenditure due to rising cost of water from Chesterfield. The County receives no revenue offset for water used to flush water lines. Flushing lines is necessary to maintain health department limits of chlorine residual.

Conforms With Comprehensive Plan? Yes No NA

Function: Utilities

Year Introduced:

Project Type:

Change from Prior:

Department: Public Works - Utilities

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	10	-	-				-	-	10	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	50	-	-	-	-	-	-	-	50	-
Total Estimate	60	-	-	-	-	-	-	-	60	-
Funding Sources										
Operating Funds	60	-	-	-	-	-	-	-	60	-
Bonds General	-	-	-				-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	60	-	-	-	-	-	-	-	60	-

Project Description

Water Tower for fire suppression. **Operating impacts:** In FY20 there will be a \$1,000 increase and in FY21 the annual maintenance begins for \$15,000 each year going forward.

Project Justification

Water Tower for fire suppression. **PROJECT COMPLETED IN FY19**

Conforms With Comprehensive Plan? Yes No NA

Function: Utilities

Year Introduced: FY 2018

Project Type:

Change from Prior:

Department: Public Works - Utilities

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-				-	-	-	-
Land Acquisition	-	-	-		-	-	-	-	-	-
Construct/Purchase	3,000	-	-	-	-	-	-	-	3,000	-
Total Estimate	3,000	-	-	-	-	-	-	-	3,000	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	-	-	-
Bonds General	3,000	-	-				-	-	3,000	-
Bonds Schools	-	-	-		-	-	-	-	-	-
Grants	-	-	-		-	-	-	-	-	-
Proffers/Other	-	-	-		-	-	-	-	-	-
Total Funding	3,000	-	-	-	-	-	-	-	3,000	-

Project Description

Dutoy Wastewater Treatment Plant was designed and permitted in tiers (10,000 gpd, 50,000gpd, 125,000gpd and 250,000gpd). The plant is currently in the 50,000 gpd tier. As growth occurs on Route 60 the plant capacity will need to be increased to the 125,000 gpd tier. The 125,000 gpd tier requires removal of a wall in one SBR and purchasing additional equipment. **Operating impacts:** The operating costs are not known at this time as the completion of the project is unknown.

Project Justification

To comply with NPDES permit. The County is required to apply for a new certificate to operate when the plant experiences three consecutive months at or above 95% of the design influent flow. The 125,000gpd tier will require physical construction and new equipment.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced: FY 2019

Project Type:

Change from Prior:

Department:

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	600	600	-
Total Estimate	-	-	-	-	-	-	-	600	600	-
Funding Sources										
Operating Funds	-	-	-	-	-	-	-	600	600	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	-	-	-	-	600	600	-

Project Description

Evaluate current rate structure, proposed growth and revenue projections and develop a rate structure for the current situation and future years. **Operating impacts:** None

Project Justification

The utility fee structure has not been evaluated in many years to ensure rates are covering the cost of providing the services. Although commodity fess have been revised annually, the connection fees, meter fees, administrative fees and capacity fees have not been evaluated as conditions change.

Conforms With Comprehensive Plan? Yes No NA

Function: Utilites

Year Introduced: FY 2019

Project Type:

Change from Prior:

Department: Public Works - Utilities

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	25	-	-	-	-	-	-	-	25	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	-	-	-
Total Estimate	25	-	-	-	-	-	-	-	25	-
Funding Sources										
Operating Funds	25	-	-	-	-	-	-	-	25	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	25	-	-	-	-	-	-	-	25	-

Project Description

Asphalt paving site to prevent erosion and improvement accessibility to the equipment. A&E to design cross section detail and weight loading. **Operating impacts:** None

Project Justification

The Fighting Creek WWTP site is currently gravel, when the fork lift is loaded with chemicals or operators need to access equipment, they are unable to move about the site to get to the locations they need to access. This creates a safety concern for operators and prevents proper maintenance of equipment. During wet weather, operators are unable to perform job tasks that require the forklift to lift or move parts and materials.

Conforms With Comprehensive Plan? Yes No NA

Function: Utilites

Year Introduced:

Project Type:

Change from Prior:

Department: Public Works - Utilities

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	20	-	-	-	20	-	20	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	80	-	-	-	80	-	80	-
Total Estimate	-	-	100	-	-	-	100	-	100	-
Funding Sources										
Operating Funds	-	-	100	-	-	-	100	-	100	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	100	-	-	-	100	-	100	-



Project Description

Install security and monitoring cameras at both WWTPs. Upgrades to the Programmable Logic Controllers completed in 2019, this upgrade provides the ability to monitor operations with cameras which will send alarms to operators allowing for quicker response and minimize permit violations. **Operating impacts:** Maintenance agreements - cameras and software - \$2,000

Project Justification

Cameras will increase security and allow for more efficient and better control of the wastewater treatment plant processes. Currently both plants are remotely located and have no means of recording unauthorized access to the plants. The new PLC's provide the ability to use cameras to operate the plant. Cameras can record water levels, pump run times and when equipment is not operating properly. Operators can use the cameras and PLC to keep close control and quick response to operations and issues that may occur. Quick response to events is critical to staying in compliance and avoiding regulatory fines or impacts to the health of the public and environment.

Conforms With Comprehensive Plan? Yes No NA

Function: Utilities

Year Introduced:

Project Type:

Change from Prior:

Department: Public Works - Utilities

Start Year:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	10	-	-	-	-	10	-	10	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	60	-	-	-	-	60	-	60	-
Total Estimate	-	70	-	-	-	-	70	-	70	-
Funding Sources										
Operating Funds	-	70	-	-	-	-	70	-	70	-
Bonds General	-	-	-	-	-	-	-	-	-	-
Bonds Schools	-	-	-	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	70	-	-	-	-	70	-	70	-

[This page intentionally left blank.]

**Powhatan County
FY 2020 Capital Improvement Program (CIP)
School Projects**

Dollars in Thousands

Project Name	#	FY 2014- FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Powhatan Junior H.S. Replacement/Renovation	S-001	\$ 35,327	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,327	\$ -
Joint Vehicle Maintenance Facility	S-002	4,649	-	-	-	-	-	-	-	4,649	-
School Board Office Replacement/Renovation	S-005	-	-	-	-	-	-	-	-	-	-
Pocahontas Elementary School Maintenance	S-006	-	120	50	-	-	-	170	-	170	-
Powhatan Elementary School Maintenance	S-007	-	-	100	340	-	-	440	-	440	-
Powhatan High School	S-008	22	171	-	-	-	-	171	7,100	7,293	-
Asphalt Maintenance	S-009	120	39	12	-	-	-	51	-	171	-
New Elementary School	S-010	-	-	-	-	-	-	-	38,938	38,938	-
PHS Classroom Additions	S-011	-	-	-	-	-	-	-	-	-	-
New Wing for Middle School	S-012	-	-	-	-	-	-	-	4,835	4,835	-
Pocahontas Middle School Repurpose	S-013	1,004	-	1,355	-	-	-	1,355	-	2,359	-
Trane Energy Project	S-014	3,464	-	-	-	-	-	-	-	3,464	-
Total Projects Estimates		44,586	330	1,517	340	-	-	2,187	50,873	97,646	-
Projects Estimates											
A & E		2,323	-	-	-	-	-	-	-	2,323	-
Land Acquisition		211	-	-	-	-	-	-	2,500	2,711	-
Contractor Fees		8,857	-	-	-	-	-	-	-	8,857	-
Construct/Purchase		32,528	330	1,517	340	-	-	2,187	48,373	83,088	-
New Furnishings & Equipment		667	-	-	-	-	-	-	-	667	-
Total Projects Estimate		44,586	330	1,517	340	-	-	2,187	50,873	97,646	-
Funding Sources											
School Operating		350	330	162	340	-	-	832	-	1,182	-
General Fund		841	-	-	-	-	-	-	-	841	-
Bonds		41,466	-	1,355	-	-	-	1,355	50,873	93,694	-
Grants/Proffers/Other		1,929	-	-	-	-	-	-	-	1,929	-
Total Funding Sources		44,586	330	1,517	340	-	-	2,187	50,873	97,646	-
Other Capital Programs											
School Bus Fleet	S-003	3,209	876	1,261	1,084	1,424	630	5,275	-	8,484	-
School Division Support Vehicle Fleet	S-004	454	116	135	92	160	137	640	-	1,094	-
Total Other Capital		3,663	992	1,396	1,176	1,584	767	5,915	-	9,578	-
Funding Sources											
School Operating		454	116	135	92	160	137	640	-	1,094	-
General Fund		1,158	-	-	-	-	-	-	-	1,158	-
Lease		2,051	876	1,261	1,084	1,424	630	5,275	-	7,326	-
Total Funding Sources		3,663	992	1,396	1,176	1,584	767	5,915	-	9,578	-
Total CIP / Other Capital		48,249	1,322	2,913	1,516	1,584	767	8,102	50,873	107,224	-
Funding Sources:											
School Operating		804	446	297	432	160	137	1,472	-	2,276	-
General Fund		1,999	-	-	-	-	-	-	-	1,999	-
Bonds		41,466	-	1,355	-	-	-	1,355	50,873	93,694	-
Lease		2,051	876	1,261	1,084	1,424	630	5,275	-	7,326	-
Grants/Proffers/Other		1,929	-	-	-	-	-	-	-	1,929	-
Total Funding Sources		48,249	1,322	2,913	1,516	1,584	767	8,102	50,873	107,224	-

See Powhatan County Public Schools Website for the Schools Adopted CIP (www.powhatan.k12.va.us)



Project Description

There are 92 buses in the fleet, 82 are used for regular education, 9 for special education and 1 activity bus. The 82 regular education buses include 10 spares and the remaining 72 are used daily. The 9 SPED buses includes 3 spares. The projected replacement costs reflect cash purchases, although sometimes these buses are procured with a lease purchase. After FY 2019 purchases the fleet will increase to 93. **Operating impacts:** None

Project Justification

Buses are scheduled for replacement on normal 10 -12 year cycle with exceptions for high mileage or excessive maintenance issues. As the fleet ages and factory warranties expire, maintenance costs are safety concerns increase. Breakdowns with students on the bus increases safety risks for those students and makes it more difficult to adhere to pick-up and drop-off schedules at school and home.

Conforms With Comprehensive Plan Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	3,209	876	1,261	1,084	1,424	630	5,275	-	8,484	-
Total Estimate	3,209	876	1,261	1,084	1,424	630	5,275	-	8,484	-

Funding Sources

School Operating	-	-	-	-	-	-	-	-	-	-
General Fund	1,158	-	-	-	-	-	-	-	1,158	-
Bonds	-	-	-	-	-	-	-	-	-	-
Lease	2,051	876	1,261	1,084	1,424	630	5,275	-	7,326	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	3,209	876	1,261	1,084	1,424	630	5,275	-	8,484	-



Project Description

Support vehicles are used for Special Education transportation, driver's education, facility maintenance, inter-office & school mail deliveries, fleet supervision, staff travel (when a vehicle is available) and other school division needs such as checking road conditions and plowing parking lots. The goal is to replace these vehicles once they exceed 200,000 miles or when repair costs become prohibitive. **Operating impacts:** None

Project Justification

Seven of the support vehicles exceed 200,000 miles, the condition of eleven is either poor or very poor. Our SPED population is growing as a percent of total students so our need for additional support vehicles is increasing. Currently there is only one spare SPED vehicle in the fleet.

Conforms With Comprehensive Plan Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	454	116	135	92	160	137	640	-	1,094	-
Total Estimate	454	116	135	92	160	137	640	-	1,094	-
Funding Sources										
School Operating	454	116	135	92	160	137	640	-	1,094	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	454	116	135	92	160	137	640	-	1,094	-



Project Description

The major mechanical equipment needs will be addressed with the Energy Performance Contract with Trane. The change reduced the projected needs for Pocahontas Elementary from \$3.6 million to \$170,000. The remaining items that are still needed are: 1) Major electrical improvements for FY 2020 and 2021; and, 2) Sound System replacement in FY 2020. **Operating impacts: None**

Project Justification

Pocahontas Elementary School was occupied in 1996. The maintenance items were identified in the Comprehensive Facilities Study performed by Moseley Architects and completed in September 2014. The study projected the need for this maintenance beginning in FY 2018, but these items have been postponed due to funding limitations and other more critical needs.

Conforms With Comprehensive Plan Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	120	50	-	-	-	170	-	170	-
Total Estimate	-	120	50	-	-	-	170	-	170	-
Funding Sources										
School Operating	-	120	50	-	-	-	170	-	170	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	120	50	-	-	-	170	-	170	-

Project: Powhatan Elementary School Maintenance

S-007



Project Description

The major mechanical equipment needs will be addressed with the Energy Performance Contract with Trane. This change reduced the projected needs for Powhatan Elementary from \$6.3 million to \$440,000. The remaining items that are still needed are: 1) In FY 2022 reroofing the low slope roofs; and 2) Installation of an emergency generator. In FY 2017 a new parking lot was installed in front of this school as a part of the new Powhatan Middle School project since traffic needed to be redirected for that project. Site lighting for the new lot was include in the cost of the new lot. **Operating impacts:** None

Project Justification

Powhatan Elementary School was occupied in 1986. The kitchen was converted from a satellite facility to full service in 1994. The original asphalt shingle sloped roofing system was covered with a standing seam metal system in 1998. The maintenance items were identified in the Comprehensive Facilities Study that was performed by Moseley Architects and completed in September 2014. The study projected the need for this maintenance beginning in FY 2018, but these items have been postponed due to funding limitations and other more critical needs.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	<u>FY 2019 & Prior</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>5 Year CIP Total</u>	<u>Future Years</u>	<u>Total Project</u>	<u>Defer</u>
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	100	340	-	-	440	-	440	-
Total Estimate	-	-	100	340	-	-	440	-	440	-
Funding Sources										
School Operating	-	-	100	340	-	-	440	-	440	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	100	340	-	-	440	-	440	-



Project Description

In FY 2018 field lights were installed on the Field Hockey/Soccer field and this was accomplished within the school division's operating budget. FY 2020 the needed improvements are: the installation of a monitoring system for the emergency generator; construct a security vestibule; and, install HVAC in the field house. FY 2024 projects and expansion of 13,585 additional square feet for nine core classrooms, two science rooms, one special education room, and smaller program areas. This would be a two story addition and would accommodate 300 students.

Operating impacts: The additional costs for utilities and custodial services are projected at \$20,000 and \$18,000 respectively. The additional staff requirements are projected at 10 teachers and 1 SPED Instructional Assistant with an annualized costs of \$639,575. However, the staffing costs would have been added over time in conjunction with student growth, so these additional costs are not tied to the projects. Instead they are required to meet SOQ.

Project Justification

Powhatan High School was occupied in 2003 and has had no major renovations or upgrades since it opened. The maintenance items were identified in the Comprehensive Facilities Study performed by Moseley Architects and completed in September 2014. That study projected the need for this maintenance to begin in FY 2016, but these items have been postponed due to funding limitations and other more critical needs. The classroom addition is based upon growth projections, therefore the timing may change based upon actual growth.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	22	171	-	-	-	-	171	7,100	7,293	-
Total Estimate	22	171	-	-	-	-	171	7,100	7,293	-
Funding Sources										
School Operating	22	171	-	-	-	-	171	-	193	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	7,100	7,100	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	22	171	-	-	-	-	171	7,100	7,293	-



Project Description

Perform asphalt preventative maintenance for all facility parking lots. **Operating impacts:** None

Project Justification

Preventative maintenance must be performed on all asphalt parking lots by applying crack sealer and seal coating on a recurring basis. This maintenance was identified in the Comprehensive Facilities Study performed by Moseley Architects and completed in September 2014. Some projects were completed in FY 2016 (Pocahontas Elementary & PHS for bus loop). A new parking lot was installed at Powhatan Elementary in FY 2017, but the lot located to the east of the building still needs to be sealed.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	120	39	12	-	-	-	51	-	171	-
Total Estimate	120	39	12	-	-	-	51	-	171	-
Funding Sources										
School Operating	120	39	12	-	-	-	51	-	171	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	120	39	12	-	-	-	51	-	171	-

Project Description

Land purchase for a new elementary school in 2022. New Elementary School in 2025. **Operating impacts:** The project is for land purchase only at this time. Until the school has been planned operational costs can not b determined.

Project Justification

Current enrollment forecasts indicate that another elementary school will be needed by 2025. The estimated acreage needed for a new elementary school is 25 acres. It is more desirable to purchase the site before the specifications are developed for the project so that site development costs can be bid more accurately.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	2,500	2,500	-
Construct/Purchase	-	-	-	-	-	-	-	36,438	36,438	-
Total Estimate	-	-	-	-	-	-	-	38,938	38,938	-
Funding Sources										
School Operating	-	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	38,938	38,938	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	-	-	-	-	38,938	38,938	-

Project Description

New wing for the middle school in 2025. **Operating impacts:**
The costs are not known at this time as there is no date for the project to begin.

Project Justification

A new wing for the middle school is needed in 2025 based on projected enrollment.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	-	-	-	-	-	-	-	4,835	4,835	-
Total Estimate	-	-	-	-	-	-	-	4,835	4,835	-
Funding Sources										
School Operating	-	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	4,835	4,835	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	-	-	-	-	-	-	-	4,835	4,835	-

Project: Pocahontas Middle School Repurpose

S-013

Project Description

In FY 2019 Pocahontas Middle School will be closed as students are relocated to the new middle school. The decisions have not yet been made as to how this facility will be repurposed and actual cost will be significantly impacted by those decisions. The roof and mechanicals will have to be replaced regardless of how the facility is used. Therefore these cost estimates are just a budget place holder at this time and will be adjusted accordingly based upon usage decisions. **Operating impacts:** There will be no new costs associated with this project.

Project Justification

A Facility Utilization Committee has developed four options on the possible uses of this facility for the School Board and Board of Supervisors to consider. 1st: (\$1.6 million) Top priority - Use a portion for a museum that highlights black history and education in Powhatan County. 2nd: (\$2 million) To create a multi-use community center that utilizes the gym, multipurpose classrooms, and existing fields and courts. 3rd: (\$1.5 million) Use a portion of the facility for school and county staff, and thereby reduce or eliminate the ongoing expense that the County is incurring to lease office space. 4th: (no estimate) Allow private business partnerships to enhance job training for students such as Work in Progress, and property development for alternative uses such as senior living and work force housing. The cost estimates for the roof and HVAC replacements to simply maintain the facility as is are about \$2 million. The cost estimates for repurpose modifications are very rough estimates based upon a cost per sq. ft. basis, and these estimates will change based upon design specifications.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	1,004	-	1,355	-	-	-	1,355	-	2,359	-
Total Estimate	1,004	-	1,355	-	-	-	1,355	-	2,359	-
Funding Sources										
School Operating	-	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	1,004	-	1,355	-	-	-	1,355	-	2,359	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	-	-	-	-	-	-	-	-	-	-
Total Funding	1,004	-	1,355	-	-	-	1,355	-	2,359	-

Project Description

The Energy Performance Contract with TRANE provides for replacement and improvements to mechanical, electrical, system controls, and water fixtures. The contract guarantees that utility savings from these improvements will offset the cost improvements. Four schools (POCES, POWES, FRES and PHS) will receive lighting and water fixture upgrades, new control strategies, and building envelope improvements. Pocahontas and Powhatan Elementary Schools will also receive HVAC replacements. The County obtained financing for this project in FY 2019. **Operating impacts:** None

Project Justification

These maintenance items were identified in the Comprehensive Facilities Study performed by Moseley Architects and completed in September 2014. That study projected the need for this maintenance beginning in FY 2018, but these items have been postponed due to funding limitations and other more critical needs. The Energy Performance Contract allows cost of these improvements to be offset with utility savings.

Conforms With Comprehensive Plan? Yes No NA

Function:

Year Introduced:

Account Number:

End Year:

Financial Summary

Dollars in Thousands

	FY 2019 & Prior	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year CIP Total	Future Years	Total Project	Defer
Project Estimate										
A & E	-	-	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-	-	-
Construct/Purchase	3,464	-	-	-	-	-	-	-	3,464	-
Total Estimate	3,464	-	-	-	-	-	-	-	3,464	-
Funding Sources										
School Operating	208	-	-	-	-	-	-	-	208	-
General Fund	-	-	-	-	-	-	-	-	-	-
Bonds	2,945	-	-	-	-	-	-	-	2,945	-
Lease	-	-	-	-	-	-	-	-	-	-
Proffers/Other	311	-	-	-	-	-	-	-	311	-
Total Funding	3,464	-	-	-	-	-	-	-	3,464	-

[This page intentionally left blank.]

Other Capital Programs

[This page intentionally left blank.]

**Powhatan County
 FY 2020 Other Capital Program
 Fire & Rescue Apparatus and Vehicles**

Dollars in Thousands

Apparatus/Vehicle	Model Year	Mileage	Date of mileage reading	FY 19 & Prior	FY 20	FY 21	FY 22	FY 23	FY 24
Engine 701	2003	29226	1/5/2019	-	-	-	-	650	-
Engine 702	2013			582	-	-	-	-	-
Engine 703	1996	17735	1/5/2019	575	-	-	-	-	-
Engine 704	2002	58021	1/5/2019	-	-	-	650	-	-
Engine 705	1997	22682	1/5/2019	575	-	-	-	-	-
Reserve Engine 722	1990	N/A	N/A	-	-	-	-	-	-
Reserve Tanker 722	1993	50118	1/5/2019	-	-	-	-	-	-
Tanker 701	2008	27056	1/5/2019	-	-	-	-	-	-
Tanker 702	2017	8256	1/5/2019	500	-	-	-	-	-
Tanker 703	2005	12039	1/5/2019	-	-	-	-	-	-
Tanker 704	2017	6546	1/5/2019	500	-	-	-	-	-
Tanker 705	1999	19119	1/5/2019	-	-	550	-	-	-
EMS 701	2015	27930	1/5/2019	40	-	-	-	-	-
EMS 702	2001	76173	1/5/2019	-	45	-	-	-	-
EMS 703 - As Chief 703	1999	39472	1/5/2019	-	-	-	-	-	-
EMS 704	2010	43951	1/5/2019	-	-	-	-	-	-
EMS 705	2007	35428	1/5/2019	-	-	-	-	-	-
EMS 709	2009	193650	1/5/2019	-	45	-	-	-	-
Brush 701	1999	29975	1/5/2019	-	-	-	-	-	-
Brush 702	2005	18025	1/5/2019	-	-	-	-	-	-
Brush 703	2008	11725	1/5/2019	-	-	-	-	-	-
Brush 704	2018	1078	1/5/2019	85	-	-	-	-	-
Brush 705	2003	12850	1/5/2019	-	-	-	-	-	100
Heavy Rescue 702	2000	36831	1/5/2019	-	185	-	-	-	750
Trailer Gator 704 and Gator 704	2003	N/A	N/A	-	-	-	-	-	-
HazMat Trailer 704	1995	N/A	N/A	-	-	-	-	-	-
Truck 701 (Ladder)	2003	14328	1/5/2019	294	-	-	-	-	-
Fire Marshal	2004	93710	1/5/2019	18	-	-	-	45	-
Car 1	2017	14429	1/5/2019	-	-	-	-	-	-
Car 2	2009			-	-	-	-	-	-
Car 3	1998	137747	1/5/2019	-	-	-	-	-	-
Car 4	1999	88119	1/5/2019	-	-	-	-	-	-
Chief 1	2015	50232	1/5/2019	-	-	-	-	-	-
Chief 2	2007	58037	1/5/2019	-	-	-	45	-	-
Chief 3	2007	OOS		-	-	45	-	-	-
Fire Marshal 2	2006	177075	1/5/2019	-	-	-	-	-	-
Battalion 709	2009	OOS		-	-	45	-	-	-
4WD Pickup Truck - Unit 118	1998	53222	1/5/2019	-	-	-	-	-	-
ALS 1st Response Vehicle - Unit 117	2000	55120	1/5/2019	-	-	45	-	-	-
Ambulance - Unit 120	2018	717	1/5/2019	-	-	-	-	-	-
Ambulance - Unit 110	2017	36659	1/5/2019	-	-	-	-	-	260
Ambulance - Unit 111	2017	37127	1/5/2019	225	-	-	-	-	-
Ambulance - Unit 116	2010	OOS		225	-	-	-	-	-
Ambulance - Unit 120	2012	OOS		-	-	-	-	-	-
Ambulance - Unit 115	2013	86409	1/5/2019	-	-	245	-	-	-
Ambulance - Unit 119	2013	102191	1/5/2019	-	-	-	-	250	-
Ambulance - Unit 112	2013	70898	1/5/2019	-	-	-	245	-	-

**Powhatan County
 FY 2020 Other Capital Program
 Fire & Rescue Apparatus and Vehicles**

Dollars in Thousands

Apparatus/Vehicle	Model Year	Mileage	Date of mileage reading	FY 19 & Prior	FY 20	FY 21	FY 22	FY 23	FY 24
Emergency Mgmt Truck	2017	13170	1/5/2019	42	-	-	-	-	-
Mobile Command Travel Trailer	2007	N/A	N/A	-	-	-	-	-	-
Towable Light Tower & Trailer	2007	N/A	N/A	-	-	-	-	-	-
				\$ 3,661	\$ 275	\$ 930	\$ 940	\$ 945	\$ 1,110

Funding Sources:

EMS Fees	\$ 265	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	1,270	275	135	45	45	100
Leases	1,628	-	795	895	900	1,010
Grants/Proffers/Other	498	-	-	-	-	-
Total Funding Sources	\$ 3,661	\$ 275	\$ 930	\$ 940	\$ 945	\$ 1,110

Powhatan County
FY 2020 Other Capital Program
Sheriff's Office Vehicles

Dollars in Thousands

Description	Model Year	Mileage	Date of mileage reading	FY 20	FY 21	FY 22	FY 23	FY 24
Sheriff:								
Mercury 4 dr	2004	170,000	12/21/2018	-	-	-	-	-
Ford Econoline Van	2006	21,000	12/21/2018	-	-	-	-	-
Ford Explorer	2007	145,000	12/21/2018	35	-	-	-	-
Dodge Charger	2007	152,000	12/21/2018	-	-	-	-	-
Chevy Tahoe	2008	125,000	12/21/2018	35	-	-	-	-
Ford Crown Victoria	2008	146,000	12/21/2018	-	-	-	-	-
Ford Crown Victoria	2008	160,000	12/21/2018	-	-	-	-	-
Dodge Charger	2009	113,000	12/21/2018	-	-	-	-	-
Dodge Charger	2009	205,000	12/21/2018	-	-	-	-	-
Ford Crown Victoria	2010	165,000	12/21/2018	-	-	-	-	-
Ford Explorer	2010	128,000	12/21/2018	35	-	-	-	-
Ford Econoline Van	2010	20,000	12/21/2018	-	-	-	-	-
Dodge Charger	2010	150,000	12/21/2018	-	-	-	-	-
Dodge Charger	2010	153,000	12/21/2018	-	35	-	-	-
Ford Crown Victoria	2011	158,000	12/21/2018	-	-	-	-	-
Dodge Charger	2011	140,000	12/21/2018	-	-	35	-	-
Ford Police Interceptor	2013	83000	12/21/2018	-	35	-	-	-
Ford Police Interceptor	2013	155,000	12/21/2018	-	35	-	-	-
Dodge Durango	2013	103,000	12/21/2018	-	35	-	-	-
Ford Police Interceptor	2013	121,000	12/21/2018	35	-	-	-	-
Ford Police Interceptor	2013	160,000	12/21/2018	35	-	-	-	-
Dodge Charger	2013	79,000	12/21/2018	-	35	-	-	-
Chevy Caprice	2013	95,000	12/21/2018	-	-	35	-	-
Dodge Charger	2014	70,000	12/21/2018	-	-	35	-	-
Ford Police Interceptor	2014	94,250	12/21/2018	-	-	35	-	-
Ford Police Interceptor	2014	115,000	12/21/2018	-	-	35	-	-
Dodge Durango	2014	75,000	12/21/2018	-	-	-	35	-
Dodge Charger	2014	100,000	12/21/2018	-	-	-	35	-
Ford Police Interceptor	2014	96,000	12/21/2018	-	-	-	35	-
Ford Truck	2014	98,000	12/21/2018	-	-	-	35	-
Ford Police Interceptor	2014	84,000	12/21/2018	-	-	-	35	-
Ford Police Interceptor	2015	82,000	12/21/2018	-	-	-	-	35
Dodge Charger	2015	31,000	12/21/2018	-	-	-	-	35
Dodge Charger	2015	80,000	12/21/2018	-	-	-	-	35
Dodge Charger	2015	30,000	12/21/2018	-	-	-	-	35
Dodge Charger	2015	80,000	12/21/2018	-	-	-	-	35
Ford F150 Pickup	2015	133,000	12/21/2018	-	-	-	-	-
Dodge Charger	2016	61,000	12/21/2018	-	-	-	-	-
Dodge Charger	2016	45,000	12/21/2018	-	-	-	-	-
Dodge Charger	2016	67,000	12/21/2018	-	-	-	-	-
Dodge Charger	2016	51,000	12/21/2018	-	-	-	-	-

**Powhatan County
 FY 2020 Other Capital Program
 Sheriff's Office Vehicles**

Dollars in Thousands

Description	Model Year	Mileage	Date of mileage reading	FY 20	FY 21	FY 22	FY 23	FY 24
Ford Explorer	2016	16,000	12/21/2018	-	-	-	-	-
Nissan Altima	2015	51,000	12/21/2018	-	-	-	-	-
Ford Police Utility	2017	16,000	12/21/2018	-	-	-	-	-
Ford Police Utility	2017	17,000	12/21/2018	-	-	-	-	-
Dodge Charger	2017	40,000	12/21/2018	-	-	-	-	-
Dodge Charger	2018	16,000	12/21/2018	-	-	-	-	-
Dodge Charger	2018	15,000	12/21/2018	-	-	-	-	-
Dodge Charger	2018	15,500	12/21/2018	-	-	-	-	-
Dodge Charger	2018	14,000	12/21/2018	-	-	-	-	-
Ford Explorer	2018	6,500	12/21/2018	-	-	-	-	-
Dodge Durango	2019	5,000	12/21/2018	-	-	-	-	-
Dodge Charger	2019	350	12/21/2018	-	-	-	-	-
Dodge Charger	2019	300	12/21/2018	-	-	-	-	-
Dodge Charger	2019	450	12/21/2018	-	-	-	-	-
Dodge Durango	2019	1,200	12/21/2018	-	-	-	-	-
Total Sheriff				\$ 175				
Animal Control:								
Ford Pickup Superduty F-250	2004	148000	12/21/2018	-	-	-	-	-
Ford F-150 Pickup Truck	2009	122,000	12/21/2018	-	35	-	-	-
Ford F-150 Pickup Truck	2010	109,000	12/21/2018	-	35	-	-	-
Total Animal Control				\$ -	\$ 70	\$ -	\$ -	\$ -
Grand Total				\$ 175	\$ 245	\$ 175	\$ 175	\$ 175

Powhatan County
FY 2020 Other Capital Program
Administrative Vehicles

Dollars in Thousands

Description	Model Year	Department:	Mileage	Date of Mileage	FY 20	FY 21	FY 22	FY 23	FY 24
Ford Escape	2018	Building Inspections	8,563	2/7/2019	-	-	-	-	-
GMC pickup (maroon)	2006	Building Inspections	140,647	2/7/2019	-	20	-	-	-
Ford Explorer 4D SUV	2008	Building Inspections	79,380	2/7/2019	-	-	-	-	-
Ford Van F350	2004	Extension Office	90,436	2/7/2019	35	-	-	-	-
Ford Ranger Pickup Gray	1997	Facilities	131,304	2/11/2019	25	-	-	-	-
Ford Ranger pickup	2001	Facilities	190,718	2/11/2019	-	-	-	-	-
Dodge Pickup blue	2002	Facilities	120,560	2/11/2019	-	-	-	-	-
GMC Sierra white truck	2004	Facilities	146,848	2/11/2019	-	35	-	-	-
GMC Canyon CC red	2006	Facilities	119,869	2/11/2019	-	-	-	30	-
Ford Explorer gray	2008	Facilities	46,654	2/11/2019	-	-	-	-	-
Chevrolet pickup truck	2009	Facilities	39,092	2/11/2019	-	-	-	-	35
3/4 Ton Van	2008	Facilities	104,517	2/11/2019	-	-	-	-	-
1 Ton Dump Truck w/Plow	2015	Facilities	12,813	2/11/2019	-	-	-	-	-
Ford F-250	2017	Facilities	15,997	2/11/2019	-	-	-	-	-
1/2 Ton Pickup Truck	2015	Facilities	18,065	2/11/2019	-	-	-	-	-
Ford Ranger pickup	2001	IT	135,755	2/8/2019	-	-	-	-	-
Ford Explorer XLT	2008	Planning	76,590	2/8/2019	-	-	25	-	-
Ford Ranger	2009	Planning	97,030	2/8/2019	-	-	-	-	-
Ford Explorer	2010	Planning	62,092	2/7/2019	-	-	-	-	-
Jeep Cherokee	1999	Social Services	122,670	2/8/2019	-	-	-	30	-
Ford Escape	2010	Social Services	97,440	2/8/2019	-	-	30	-	-
Ford Fusion	2014	Social Services	43,357	2/8/2019	-	-	-	-	30
Ford Explorer	2016	Social Services	24,374	2/8/2019	-	-	-	-	30
GMC Sierra 4X4 white	2006	Utilities	98,731	2/8/2019	-	30	-	-	-
Ford F150 4 dr sedan (pickup)	2007	Utilities	82,920	2/8/2019	-	-	-	35	-
Ford F-250	2016	Utilities	27,743	2/8/2019	-	-	-	-	-
Exmark 52" Lazer Z E CV732	2016	Utilities			-	-	-	-	-
Ford Explorer	2017	Utilities	6,289	2/8/2019	-	-	-	-	-
Skid Steer Loader	2016	Facilities			-	-	-	60	-
Z-Mower	2017	Facilities			-	-	-	-	-
Exmark 52" Turf Tracer	2016	Facilities			-	-	-	-	-
Exmark Z-Mower	2016	Facilities	986		-	-	-	-	-
Tractor L-series		Facilities			-	-	22	-	-
Ford F 250	2018	Facilities			-	-	-	-	-
Ford F 250	2019	Parks and Recreation			-	35	-	-	-
Ford F 250	2019	Utilities			-	-	35	-	-
Ford Escape	2019	PSC			-	-	-	-	-
Ford Transit Van - Mobile Library		Library			-	-	-	-	60
Ford Transit Van#1 - Custodial	2018	Facilities	29	2/7/2019	-	-	-	-	-
Ford Transit Van#2 - Custodial	2018	Facilities	37	2/7/2019	-	-	-	-	-
					60	120	112	155	155

**Powhatan County
 FY 2020 Other Capital Program
 Facilities and Grounds Capital Maintenance**

Dollars in Thousands

#	Project Name	Facility	FY 2014- FY 2019	FY 2020	Total Projects
	Fighting Creek Park Playground Replacement**	FCP Playground	\$ 95	\$ -	\$ 95
6	Library Exterior Siding**	Library	50	-	50
11	Courthouse Metal Roof**	Courthouse	15	-	15
12	Human Services Interior Painting	Human Services	8	-	8
15	Courthouse Interior Painting**	Courthouse	40	-	40
18	Animal Shelter Floors	Animal Shelter	20	-	20
22	Paint Maintenance Building Roof**	Maintenance Building	15	-	15
28	Grounding and Electrical Analysis - VB**	Village Building	5	-	5
	Security Camera System**	Library	31	-	31
37	Library Interior Painting	Library	5	-	5
38	Library Girls Bathroom Floor**	Library	4	-	4
55	Library Interior Painting	Library	10	-	10
39	Human Services Bldg. Carpeting	Human Services	37	-	37
41	Administration Parking Lot**	Administration	9	-	9
43	Village Building Façade**	Village Building	3	-	3
47	Resurface/Grade Access Road	Utilities	8	-	8
48	Resurface/Grade Access Road	Utilities	7	-	7
49	Outside Lights along Sidewalk**	Administration	1	-	1
51	Library Parking Lot**	Library	10	-	10
	Parking Lot Lighting**	Library	9	-	9
53	Village Building Upgrades**	Village Building	-	-	-
56	County Attorney Exterior Brick	Courthouse	6	-	6
60	Administration Exterior Painting**	Administration	10	-	10
66	Courthouse Exterior Painting	Courthouse	50	-	50
	Electrical Work**	High School	4	-	4
	Courthouse Sprinkler Repair**	Courthouse	40	-	40
	Fighting Creek Park Parking Lot	FCP	40	-	40
	Courthouse Rear Parking Lot	Courthouse	5	-	5
	Apparatus Floor Cleaned and Epoxy Coated	CO#1 Firestation	15	-	15
	New Marquee to replace damaged/existing	CO#1 Firestation	8	-	8
	Interior Painting	CO#1 Firestation	8	-	8
	New Washer and Dryer	CO#1 Firestation	-	-	-
	Driveway Sealcoating	CO#2 Firestation	6	-	6
	Paint Hallways and Meeting Room	CO#2 Firestation	10	-	10
	Upgrades to bathroom	CO#2 Firestation	10	-	10
	Purchase Mower	CO#2 Firestation	-	-	-
	Surge Protection	Village/Courthouse	-	-	-
	Electrical Grounding	Village/Courthouse	-	-	-
	Generator Quick Connects	All	-	-	-
	General District Courtroom: Office Upgrades, JDR Bench	District Court	15	-	15
	Upgrades to Maintenance Garage	Facilities	20	-	20
	County Attorney's office	Courthouse	27	-	27
	Rolling Gates	Facilities	8	-	8
	Courthouse Village Signs	Grounds	-	25	25
Total Project Estimates			664	25	689

Powhatan County
FY 2020 Other Capital Program
Parks and Recreation Capital Maintenance

Dollars in Thousands

Project Name	Facility	FY 2016- FY 2019	FY 2020	Total Projects
Fencing/Backstop Maintenance	All Fields	\$ 5	\$ -	\$ 5
Net Replacement	All Fields	15	-	15
Infield Mix	All Fields	18	-	18
Warning Track & Bull Pens	FCP & Turner	3	-	3
Baseball Mound Replacement	Fighting Creek Park	4	-	4
Roof Replacement on Pavilion	Pavilion at Turner Field	5	-	5
Bleachers	Admin Complex & FCP	6	-	6
Temporary Fencing	Fighting Creek Park	2	-	2
Bases, Plates, Pitching Rubbers	All Fields	10	-	10
Replacement of Ace's Backstop	Ace's Diamond Field	11	-	11
Replacement of Lonesome Oak Backstop	Lonesome Oak	11	-	11
Replacement of Turner Field Backstop	Turner Complex	-	-	-
Dugout Canopy's	Lonesome Oak, Tee Ball, AA, Jenny	7	-	7
Service Road Repair and Erosion	All Fields	8	-	8
Scoreboard Replacement	Admin Complex (4 Fields)	29	-	29
Pitt Field Backstop	Pitt Field	11	-	11
Pitt Field Fencing	Turner Complex	14	-	14
New Batting Cage	Fighting Creek Park	7	-	7
Infield Maintenance & Safety	Replace plates, pitching rubbers	5	-	5
Maint of Bermuda Fields	All Bermuda Fields	-	-	-
Safety Fencing	Mann Road/Soccer Fields	-	-	-
Total Project Estimates		\$ 171	\$ -	\$ 171

Powhatan County
FY 2020 Other Capital Program
IT Infrastructure and Systems

Dollars in Thousands

Project Name	#	FY 2014-	FY	FY	FY	FY	FY	5 Year	Future	Total	Defer
		FY 2019	2020	2021	2022	2023	2024	CIP Total			
ERP System (Financial Management System) and C	IT-0004	1,500	-	200	-	-	-	200	-	1,700	-
PC Replacement Program	IT-0009	254	40	51	53	53	53	250	55	559	-
County Website Replacement	IT-0010	40	-	-	-	-	-	-	-	40	-
Utility SCADA System	IT-0011	80	-	-	-	-	-	-	-	80	-
DS200 Voting Machines	IT-0012	113	-	-	-	-	-	-	-	113	-
High-Speed Connection to County Facilities	IT-0013	99	-	-	-	-	-	-	-	99	-
IT Phone and Voice Mail Upgrade	IT-0014	43	-	-	-	-	-	-	-	43	-
Community Development Software	IT-0015	-	-	75	-	-	-	75	-	75	-
Public Works Work Order System	IT-0016	9	-	-	-	-	-	-	-	9	-
Upgrade Virtual Host Environment and Mirroring	IT-0017	70	-	-	-	-	-	-	-	70	-
Upgrade Desk Phones	IT-0018	35	-	-	-	-	-	-	-	35	-
Domain Controllers	IT-0019	15	-	-	-	-	-	-	-	15	-
Network Routing	IT-0020	20	-	-	-	-	-	-	-	20	-
Firewall Replacement	IT-0021	21	-	-	-	-	-	-	-	21	-
Upgrade Network Switches	IT-0022	20	-	-	-	-	-	-	-	20	-
Mobile Device Management	IT-0023	5	-	-	-	-	-	-	-	5	-
Board Agenda Software	IT-0024	-	-	30	-	-	-	30	-	30	-
Data Storage	IT-0025	-	-	50	40	-	-	90	-	90	-
Fiber Network Extension	IT-0026	-	-	36	60	100	-	196	-	196	-
KnowBe4 Cyber Security Training	IT-0027	-	-	4	-	-	-	4	-	4	-
MSFT Exchange On-Prem vs Online Upgrade	IT-0028	-	-	38	-	-	-	38	-	38	-
MDT Replacement Program	IT-0029	-	-	32	10	112	15	169	60	229	-
Network Appliance Upgrade	IT-0030	-	-	30	30	35	35	130	100	230	-
UPS Upgrade & Improvement	IT-0031	-	-	10	5	5	10	30	-	30	-
VOIP System Upgrade	IT-0032	254	-	51	53	55	57	216	55	525	-
Internet & Public Wifi - FC WWTP and Animal Control	IT-0000	-	40	-	-	-	-	40	-	40	-
Total Projects Estimates		2,799	80	607	251	360	170	1,468	270	4,537	-
Funding Sources											
General Fund		1,149	80	407	251	360	170	1,268	270	2,687	-
Bonds General		1,500	-	200	-	-	-	200	-	1,700	-
Grants/Proffers/Other		150	-	-	-	-	-	-	-	150	-
Total Funding Sources		2,799	80	607	251	360	170	1,468	270	4,537	-

**Powhatan County
 FY 2020 Other Capital Program
 Other Capital Needs**

Dollars in Thousands

Project Name	Department	FY 2016- FY 2019	FY 2020	FY 2021	5 Year CIP Total
Large scanstation for large plats	Clerk of Circuit Court	\$ 6	\$ -	\$ -	\$ -
Cardiac Defibrillators (2)	Fire	70	-	70	70
CPR Compression Devices	Fire	-	-	32	32
Mobile Vehicle Lift Jacks	Fire	-	-	40	40
Knowlink Poll Pad Books	Director of Elections	-	49	-	49
Total Project Estimates		\$ 76	\$ 49	\$ 142	\$ 191

[This page intentionally left blank.]

APPENDIX

[This page intentionally left blank.]

Debt and Capital Planning Update

Powhatan County, Virginia

83 July 17, 2019



Overview and Observations



- Davenport & Company LLC (“Davenport”) serves as Financial Advisor to Powhatan County (the “County”). Davenport has historically assisted the County with:
 - Multi-year capital planning;
 - Rating agency interaction;
 - Borrowing for new projects; and
 - Refinancing existing debt for savings.

- Most recently, in June 2019, Davenport assisted the County in refinancing \$15.3 million of the Series 2010 G.O. School Bonds. The refinancing resulted in debt service savings of approximately \$180K per year from FY 2020 – 2032, a total \$2.3 million over the life of the loan.⁸⁴

- Following the successful refinancing, County Staff requested Davenport’s assistance in planning for upcoming County and school capital funding needs.

- County Staff developed a Proposed 5-Year Capital Improvement Program that identified:
 - Approximately \$9.5 million of potential long-term, debt-funded projects (the “Bonds”); and
 - Approximately \$9.1 million of additional short-term lease needs (the “Leases”).

Goals and Objectives



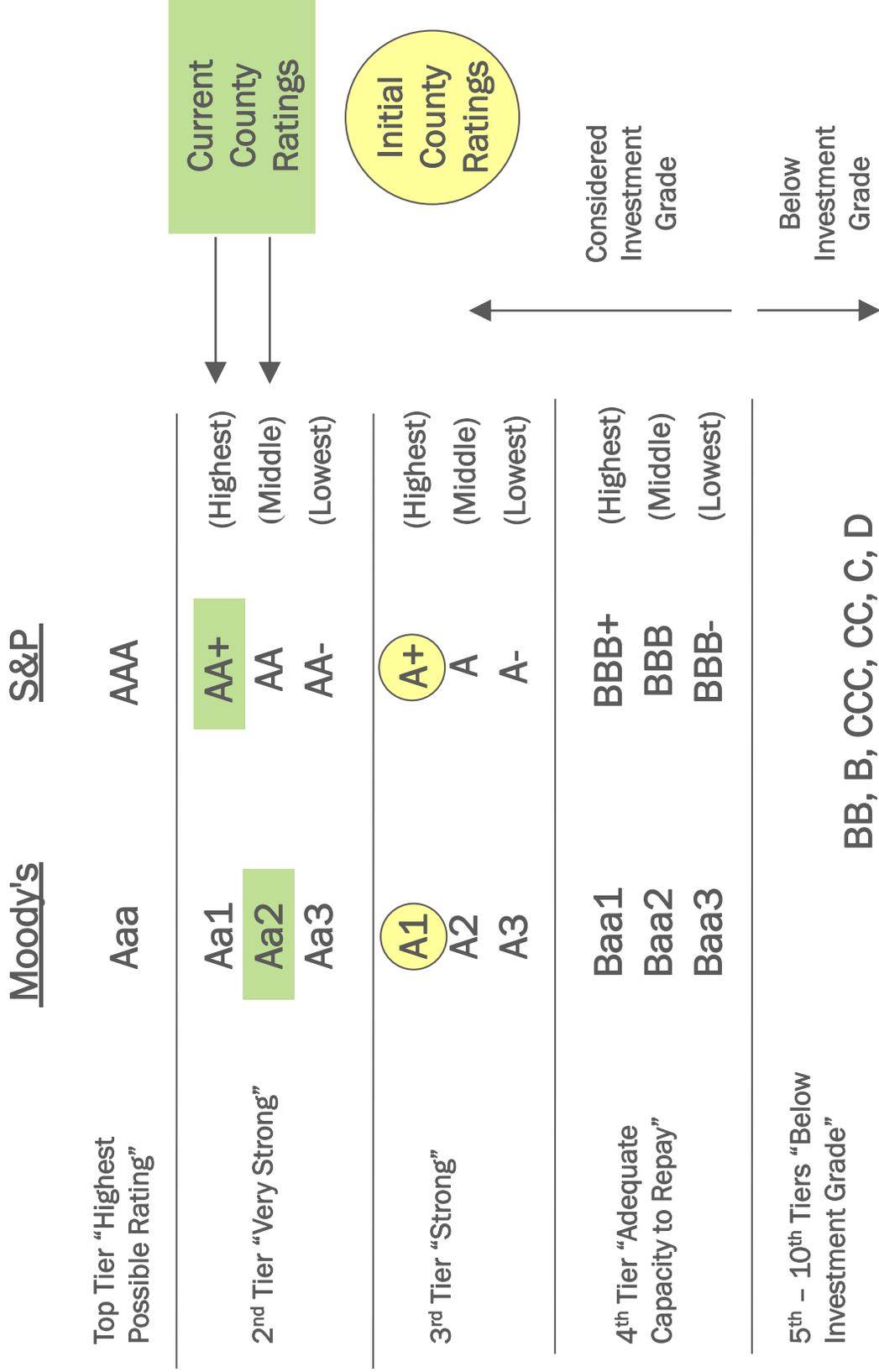
- Present an overview of the County’s current credit ratings and rating agency framework for the importance of adequately funding local government infrastructure and capital improvements.

 - Present an overview of the County’s Existing Debt Profile.
- 85
- Analyze the impact of the Proposed 5-Year Capital Improvement Program (“CIP”) on the County’s **Debt Capacity** (i.e. the effect on Key Debt Ratios with respect to the County’s Financial Policy Guidelines).

Credit Rating History



- The County currently enjoys Aa2/AA+ Credit Ratings from Moody's and S&P, respectively. These ratings were most recently affirmed in Summer of 2016.



Reasons That Need to be Considered When Investing in Local Government Infrastructure Projects

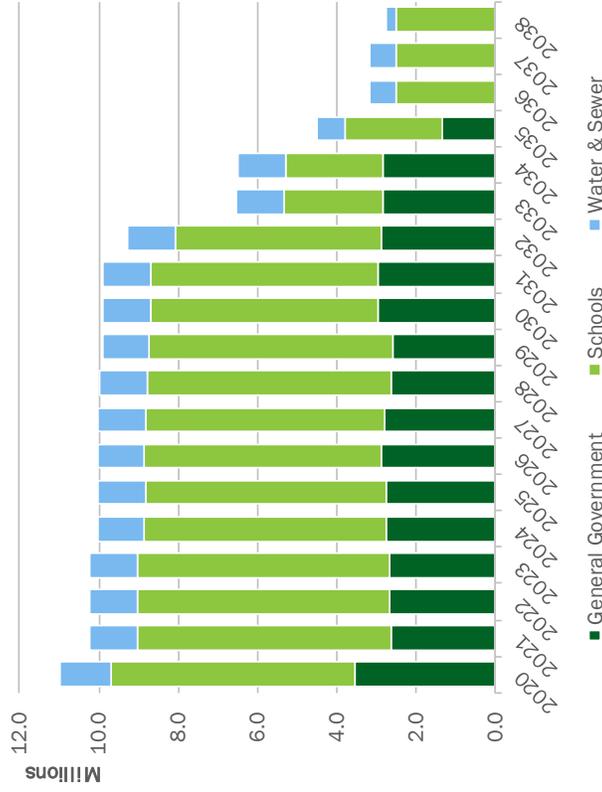


- Accelerates infrastructure development that might otherwise take years to build.
- Allows a local government to be proactive in addressing the need to maintain and enhance its critical public infrastructure.
- National credit rating agencies have recognized that falling behind in infrastructure maintenance and enhancement will erode the credit worthiness of a local government over time.
 - “Last Thursday, the Bureau of Economic Analysis released its second-quarter gross domestic product report, which showed that state and local governments continue to cut back on capital expenditures. The report suggests an ongoing buildup of deferred infrastructure maintenance that will eventually prove expensive and credit negative for the sector.” Source: State and Local Government Delays in Capital Expenditures Push Costs into the Future. Moody’s Investors Service. October 5, 2017.
- Introduces intergenerational equity or the concept of “pay-as-you-use”; subsequent generations pay for their fair share of the benefit of the infrastructure they inherit.
- When structured within the context of adopted financial policies and best practices, a well managed debt profile can help support a local government’s credit rating profile.

Existing Debt Profile



- As of 6/30/19, the County has approximately \$119.2 million in total outstanding debt following the June 2019 Refunding.
- The County has a declining debt profile, which provides the opportunity to strategically layer in debt for new money capital projects.
- The County's existing debt is repaid in a responsible manner. All of the debt is fixed rate and principal is paid in fixed installments.

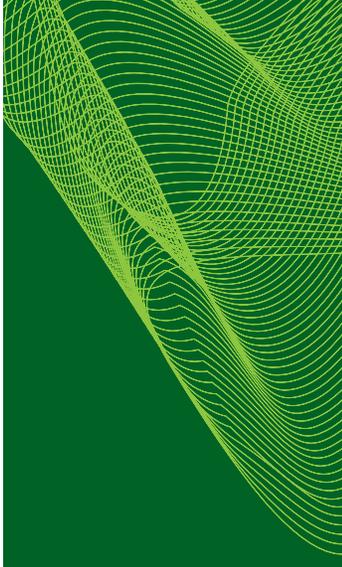


Fund	Par Outstanding
General Government	\$32,350,790
Schools	72,542,548
Utility	14,293,000
Total	\$119,186,338

FY	Principal	Interest	Total	Payout Ratio
Total	\$119,186,338	\$38,019,218	\$157,205,556	
2020	6,355,549	4,611,979	10,967,528	5.3%
2021	6,077,060	4,159,541	10,236,602	10.4%
2022	6,303,767	3,926,802	10,230,569	15.7%
2023	6,529,701	3,681,488	10,211,189	21.2%
2024	6,640,166	3,400,336	10,040,503	26.8%
2025	6,940,146	3,099,143	10,039,289	32.6%
2026	7,251,623	2,786,609	10,038,232	38.7%
2027	7,563,375	2,453,201	10,016,576	45.0%
2028	7,864,003	2,106,574	9,970,577	51.6%
2029	8,099,947	1,815,092	9,915,039	58.4%
2030	8,283,000	1,592,867	9,875,867	65.4%
2031	8,556,000	1,321,360	9,877,360	72.5%
2032	8,259,000	1,020,146	9,279,146	79.5%
2033	5,761,000	747,536	6,508,536	84.3%
2034	5,941,000	539,367	6,480,367	89.3%
2035	4,111,000	363,842	4,474,842	92.7%
2036	2,935,000	222,928	3,157,928	95.2%
2037	3,025,000	129,431	3,154,431	97.7%
2038	2,690,000	40,975	2,730,975	100.0%



Capital Planning Analysis



Proposed 5 Year CIP – Key Assumptions



- The Proposed 5 Year Capital Improvement Program identifies \$9.5 million of long-term Bond-funded capital projects and \$9.1 of short-term Leases.
 - Bond Assumptions = 20 Year Repayment – Estimated Planning Interest Rate of 4.50%
 - Lease Assumptions = 7 Year Repayment – Estimated Planning Interest Rate of 3.00%

Note: Amounts in \$ thousands

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<u>Bonds</u>						
Softball Complex Concession Facility	-	-	\$500	-	-	\$500
Fighting Creek Park Expansion Phase #3	-	-	5,000	-	-	5,000
Fire/EMS Station #1 Addition	-	-	2,600	-	-	2,600
Poahontas Middle School Repurpose	-	\$1,355	-	-	-	1,355
Bonds - Subtotal	-	\$1,355	\$8,100	-	-	\$9,455

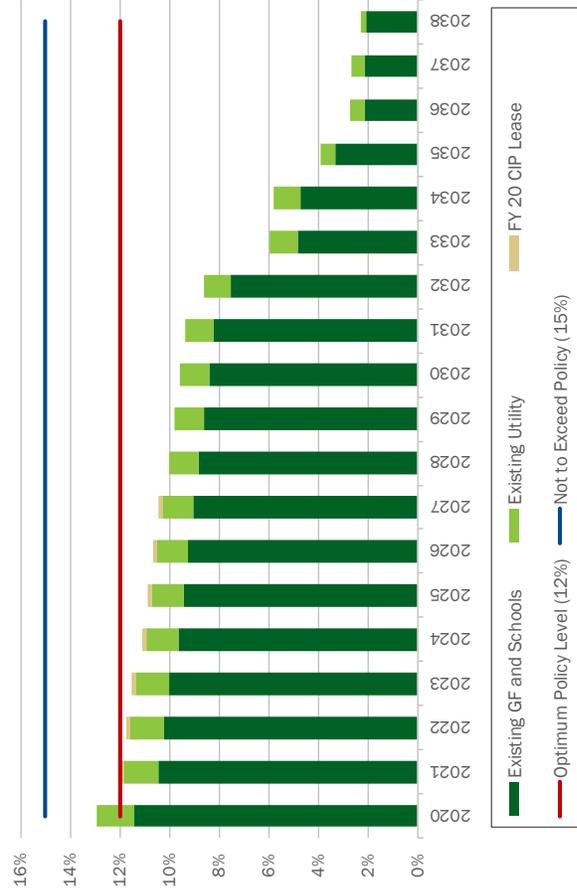
<u>Leases</u>						
Fire Vehicles	-	\$795	\$895	\$900	\$1,010	\$3,600
Buses	\$876	1,261	1,084	1,424	630	5,275
ERP Financial Management System	-	200	-	-	-	200
Leases - Subtotal	\$876	\$2,256	\$1,979	\$2,324	\$1,640	\$9,075
Total	\$876	\$3,611	\$10,079	\$2,324	\$1,640	\$18,530

Debt Capacity Impact FY 2020 CIP Only

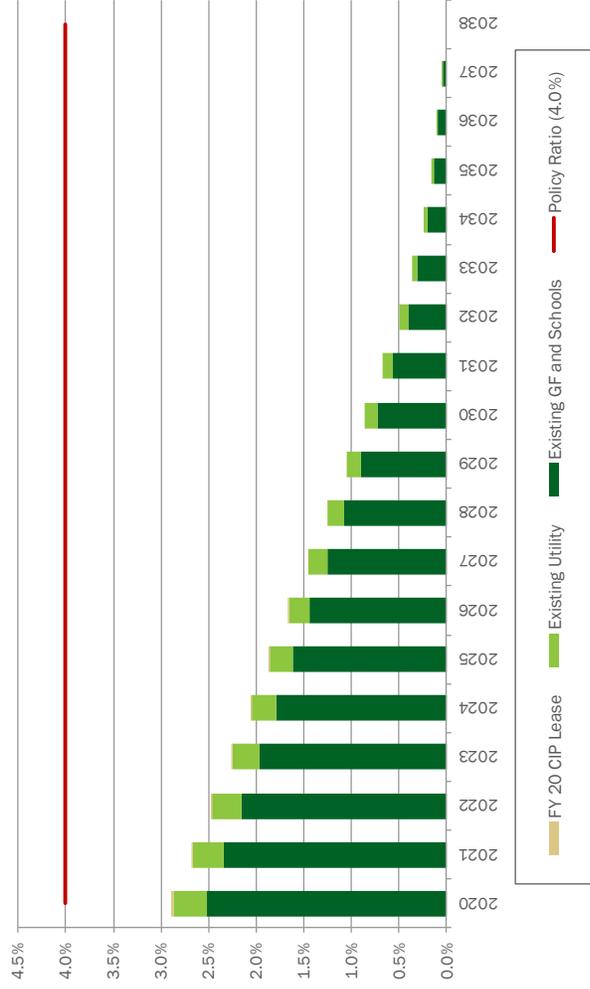


- The debt ratio graphs below incorporate the FY 2020 CIP Lease.
- If the County issued only the FY 2020 CIP, the County's projected Debt Service vs. Expenditures ratio would drop to roughly the 12% Optimum Level in FY 2021.

Projected Debt Service vs. Expenditures^(1,2)



Projected Debt vs. Assessed Value^(1,3)



(1) Debt Ratios shown above include existing General Fund, Schools, and Utility debt and proposed debt under the Proposed 5-Year Capital Improvement Program.

(2) Expenditures are based on the County's FY 20 budgeted expenditures of \$84,869,064 plus 2% annual growth in FY 21 and beyond. Consists of general government expenditures (including school fund expenditures).

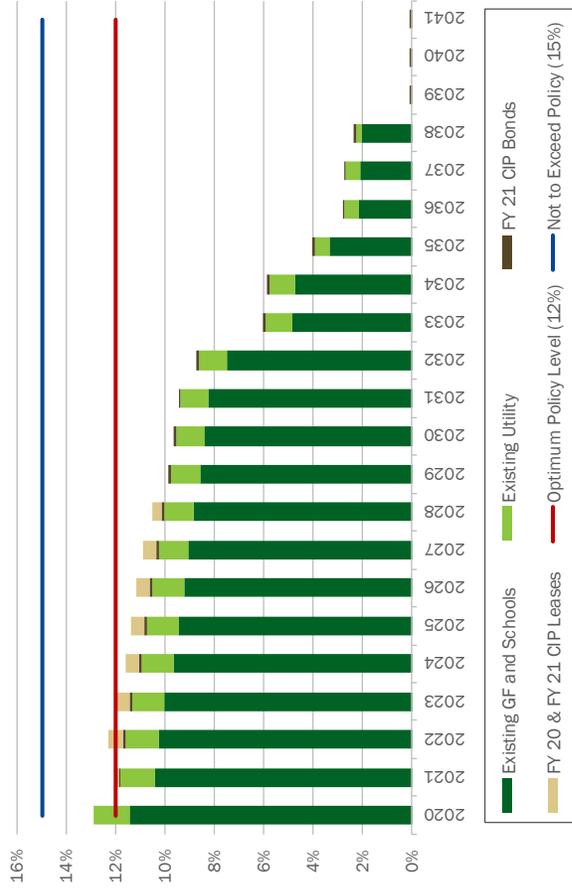
(3) Assessed Value is based on an estimated FY 2020 Assessed Value of \$3,929,445, 1.16 per County staff plus 2% growth in FY 2021 and beyond.

Debt Capacity Impact FY 2020 – FY 2021 CIP Only

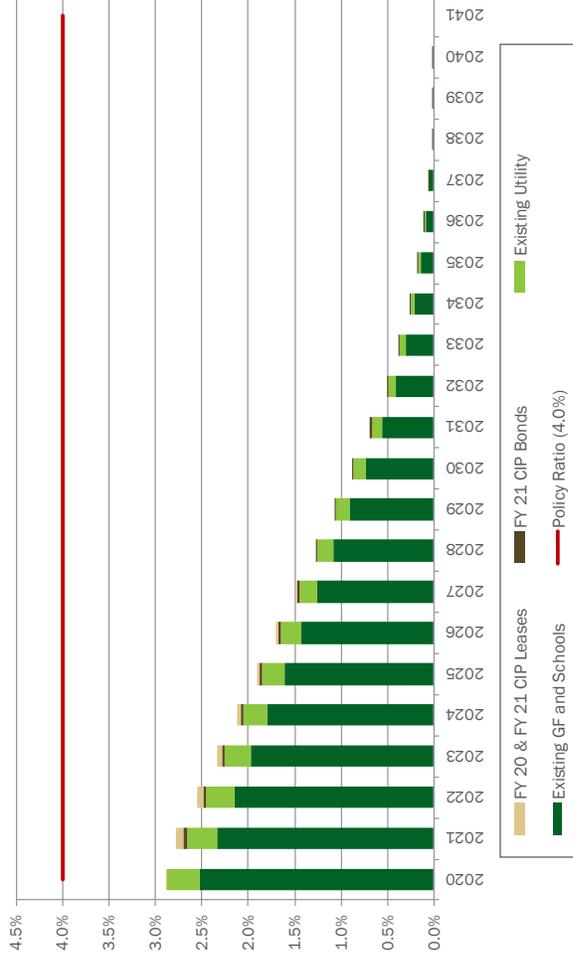


- The debt ratio graphs below incorporate the FY 2020 and FY 2021 CIP Leases and the FY 2021 CIP Bonds.
- If the County issued only the FY 2020 and FY 2021 CIP, the County's projected Debt Service vs. Expenditures ratio would drop to roughly the 12% Optimum Level in the FY 2023 / FY 2024 time frame.
 - If Leases were excluded, Debt Service vs. Expenditures would drop to roughly the 12% Optimum Level by FY 2021 and remain below 12% thereafter.

Projected Debt Service vs. Expenditures^(1,2)



Projected Debt vs. Assessed Value^(1,3)



(1) Debt Ratios shown above include existing General Fund, Schools, and Utility debt and proposed debt under the Proposed 5-Year Capital Improvement Program.

(2) Expenditures are based on the County's FY 20 budgeted expenditures of \$84,869,064 plus 2% annual growth in FY 21 and beyond. Consists of general government expenditures (including school fund expenditures).

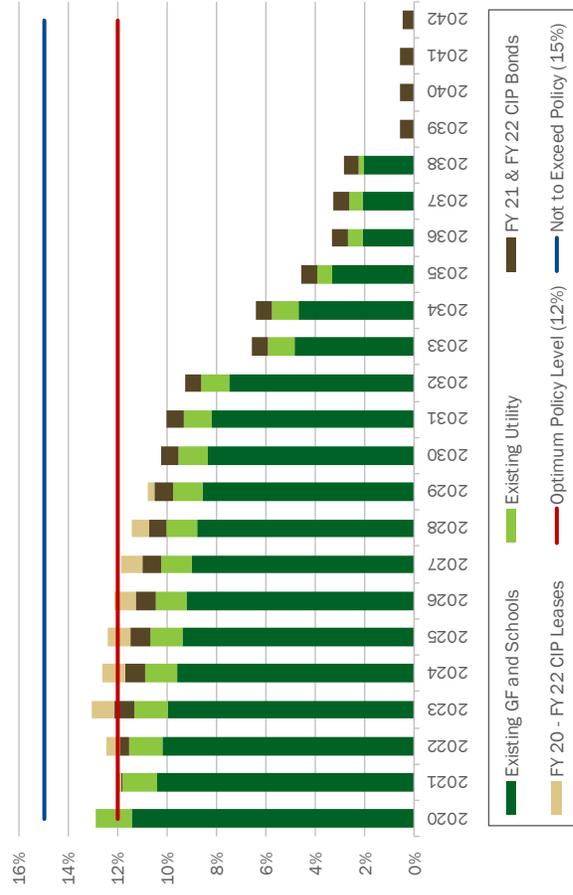
(3) Assessed Value is based on an estimated FY 2020 Assessed Value of \$3,929,445, 1.16 per County staff plus 2% growth in FY 2021 and beyond.

Debt Capacity Impact FY 2020 – FY 2022 CIP Only

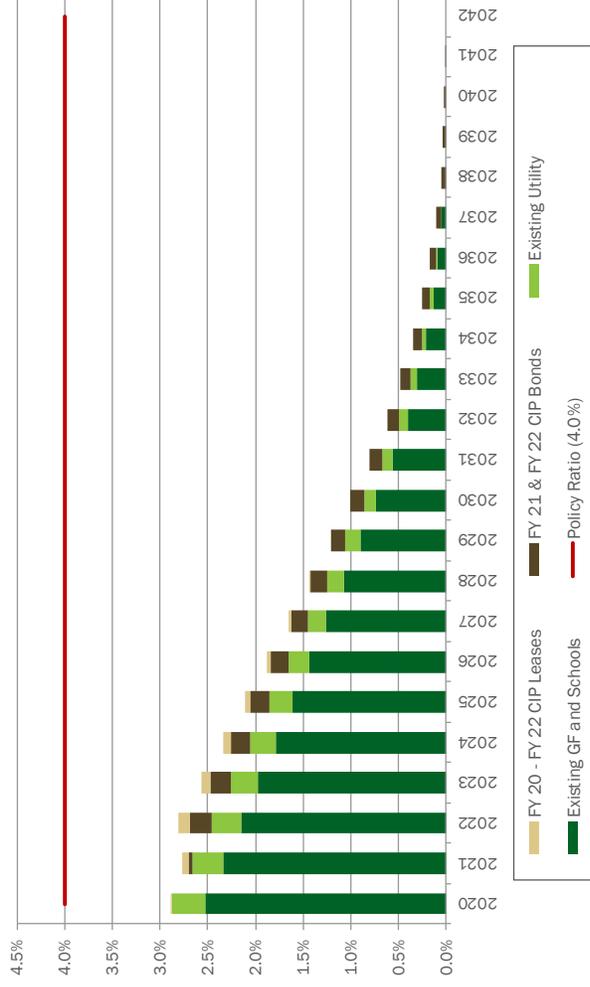


- The debt ratio graphs below incorporate the FY 2020 – FY 2022 CIP Leases and the FY 2021 and FY 2022 CIP Bonds.
- If the County issued only the FY 2020 through FY 2022 CIP, the County's projected Debt Service vs. Expenditures ratio would drop to roughly the 12% Optimum Level in the FY 2026 / FY 2027 time frame.
 - If Leases were excluded, Debt Service vs. Expenditures would drop to roughly the 12% Optimum Level by FY 2023 and remain below 12% thereafter.

Projected Debt Service vs. Expenditures^(1,2)



Projected Debt vs. Assessed Value^(1,3)



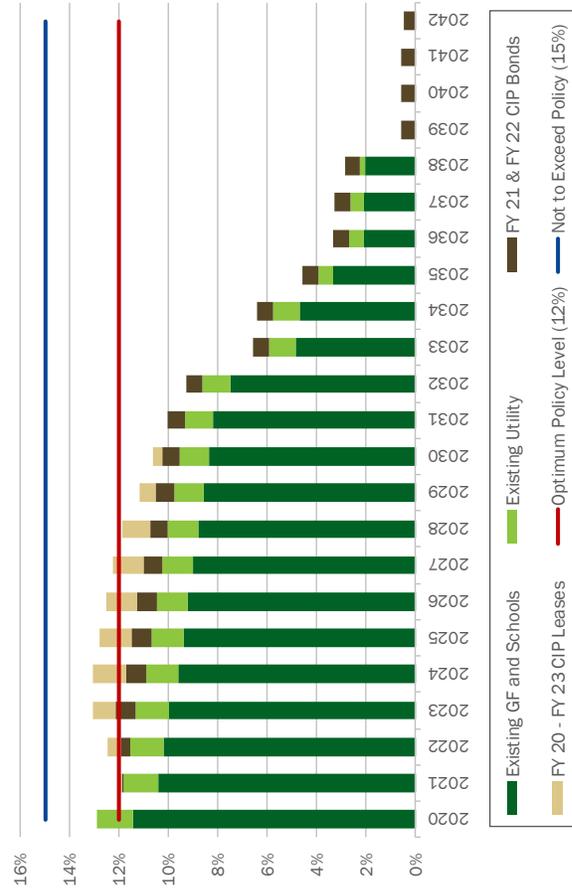
(1) Debt Ratios shown above include existing General Fund, Schools, and Utility debt and proposed debt under the Proposed 5-Year Capital Improvement Program.
 (2) Expenditures are based on the County's FY 20 budgeted expenditures of \$84,869,064 plus 2% annual growth in FY 21 and beyond. Consists of general government expenditures (including school fund expenditures).
 (3) Assessed Value is based on an estimated FY 2020 Assessed Value of \$3,929,445, 1.16 per County staff plus 2% growth in FY 2021 and beyond.

Debt Capacity Impact FY 2020 – FY 2023 CIP Only

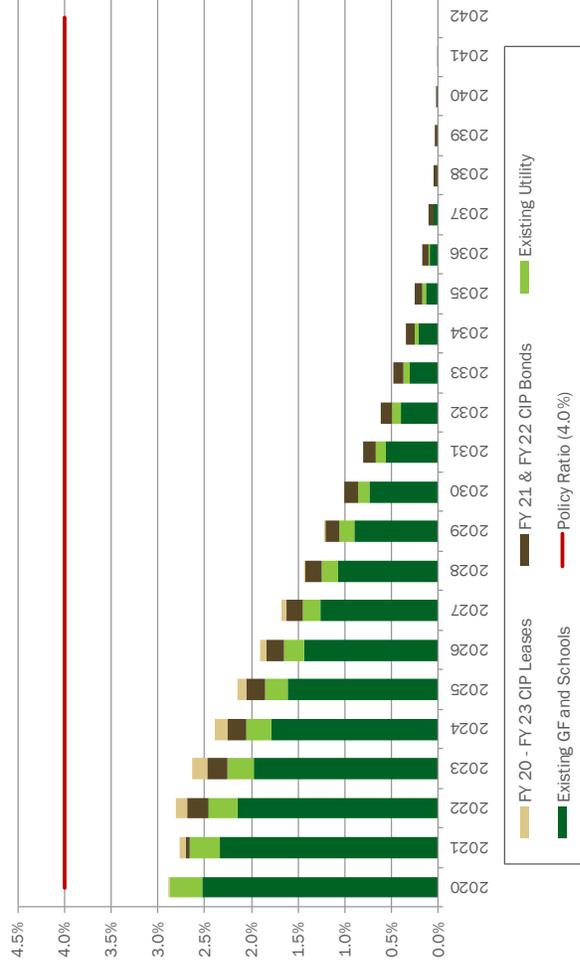


- The debt ratio graphs below incorporate the FY 2020 – FY 2023 CIP Leases and the FY 2021 and FY 2022 CIP Bonds.
- If the County issued only the FY 2020 through FY 2023 CIP, the County’s projected Debt Service vs. Expenditures ratio would drop to roughly the 12% Optimum Level in the FY 2027 / FY 2028 time frame.
 - If Leases were excluded, Debt Service vs. Expenditures would drop to roughly the 12% Optimum Level by FY 2023 and remain below 12% thereafter.

Projected Debt Service vs. Expenditures^(1,2)



Projected Debt vs. Assessed Value^(1,3)



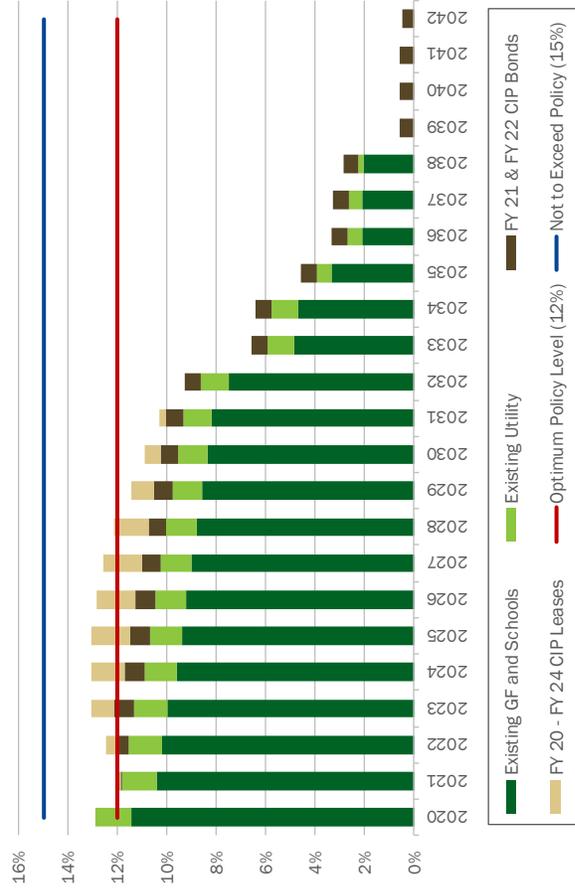
(1) Debt Ratios shown above include existing General Fund, Schools, and Utility debt and proposed debt under the Proposed 5-Year Capital Improvement Program.
 (2) Expenditures are based on the County's FY 20 budgeted expenditures of \$84,869,064 plus 2% annual growth in FY 21 and beyond. Consists of general government expenditures (including school fund expenditures).
 (3) Assessed Value is based on an estimated FY 2020 Assessed Value of \$3,929,445, 1.16 per County staff plus 2% growth in FY 2021 and beyond.

Debt Capacity Impact FY 2020 – FY 2024 CIP

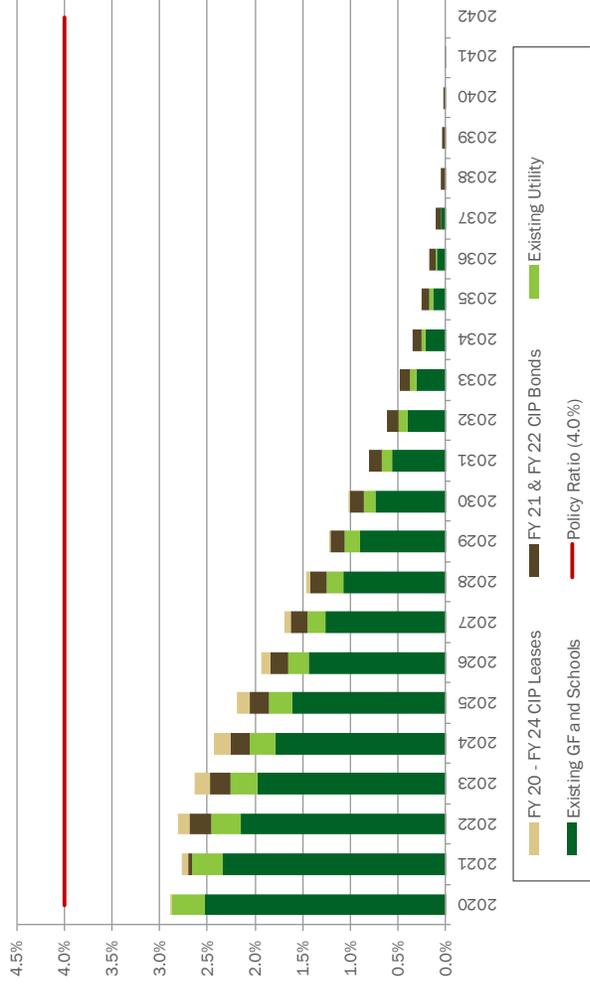


- The debt ratio graphs below incorporate the FY 2020 – FY 2024 CIP Leases and the FY 2021 and FY 2022 CIP Bonds.
- If the County issued the FY 2020 through FY 2024 CIP, the County's projected Debt Service vs. Expenditures ratio would drop to roughly the 12% Optimum Level in the FY 2028 / FY 2029 time frame.
 - If Leases were excluded, Debt Service vs. Expenditures would drop to roughly the 12% Optimum Level by FY 2023 and remain below 12% thereafter.

Projected Debt Service vs. Expenditures^(1,2)



Projected Debt vs. Assessed Value^(1,3)



(1) Debt Ratios shown above include existing General Fund, Schools, and Utility debt and proposed debt under the Proposed 5-Year Capital Improvement Program.

(2) Expenditures are based on the County's FY 20 budgeted expenditures of \$84,869,064 plus 2% annual growth in FY 21 and beyond. Consists of general government expenditures (including school fund expenditures).

(3) Assessed Value is based on an estimated FY 2020 Assessed Value of \$3,929,445, 1.16 per County staff plus 2% growth in FY 2021 and beyond.

Municipal Advisor Disclaimer



The U.S. Securities and Exchange Commission (the "SEC") has clarified that a broker, dealer or municipal securities dealer engaging in municipal advisory activities outside the scope of underwriting a particular issuance of municipal securities should be subject to municipal advisor registration. Davenport & Company LLC ("Davenport") has registered as a municipal advisor with the SEC. As a registered municipal advisor Davenport may provide advice to a municipal entity or obligated person. An obligated person is an entity other than a municipal entity, such as a not for profit corporation, that has commenced an application or negotiation with an entity to issue municipal securities on its behalf and for which it will provide support. If and when an issuer engages Davenport to provide financial advisory or consultant services with respect to the issuance of municipal securities, Davenport is obligated to evidence such a financial advisory relationship with a written agreement.

When acting as a registered municipal advisor Davenport is a fiduciary required by federal law to act in the best interest of a municipal entity without regard to its own financial or other interests. Davenport is not a fiduciary when it acts as a registered investment advisor, when advising an obligated person, or when acting as an underwriter, though it is required to deal fairly with such persons.

This material was prepared by public finance, or other non-research personnel of Davenport. This material was not produced by a research analyst, although it may refer to a Davenport research analyst or research report. Unless otherwise indicated, these views (if any) are the author's and may differ from those of the Davenport fixed income or research department or others in the firm. Davenport may perform or seek to perform financial advisory services for the issuers of the securities and instruments mentioned herein.

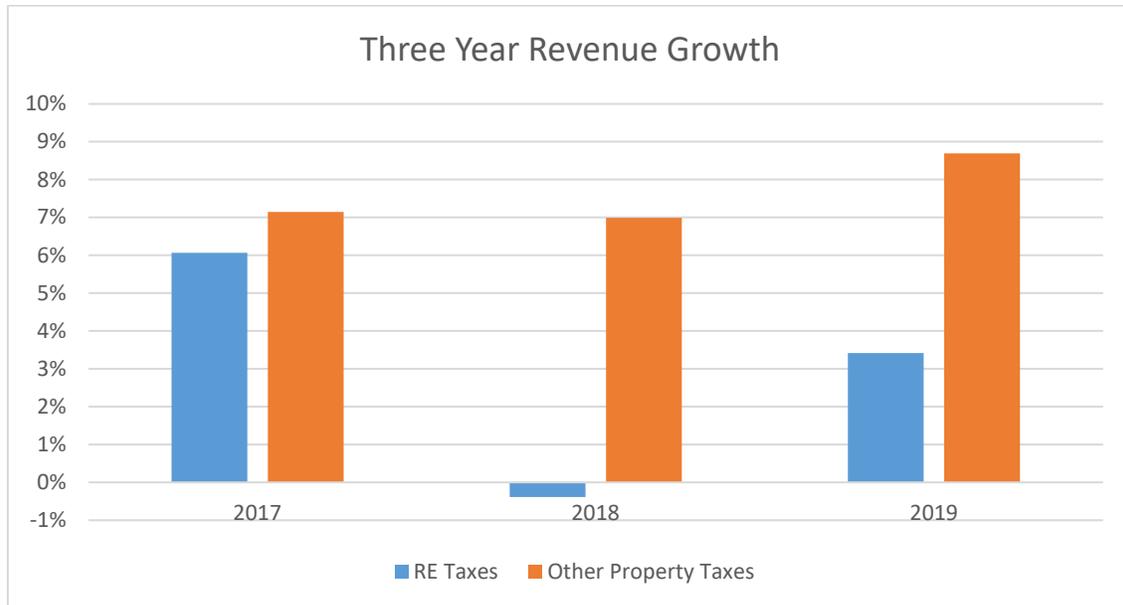
This material has been prepared for information purposes only and is not a solicitation of any offer to buy or sell any security/instrument or to participate in any trading strategy. Any such offer would be made only after a prospective participant had completed its own independent investigation of the securities, instruments or transactions and received all information it required to make its own investment decision, including, where applicable, a review of any offering circular or memorandum describing such security or instrument. That information would contain material information not contained herein and to which prospective participants are referred. This material is based on public information as of the specified date, and may be stale thereafter. We have no obligation to tell you when information herein may change. We make no representation or warranty with respect to the completeness of this material. Davenport has no obligation to continue to publish information on the securities/instruments mentioned herein. Recipients are required to comply with any legal or contractual restrictions on their purchase, holding, sale, exercise of rights or performance of obligations under any securities/instruments transaction.

The securities/instruments discussed in this material may not be suitable for all investors or issuers. Recipients should seek independent financial advice prior to making any investment decision based on this material. This material does not provide individually tailored investment advice or offer tax, regulatory, accounting or legal advice. Prior to entering into any proposed transaction, recipients should determine, in consultation with their own investment, legal, tax, regulatory and accounting advisors, the economic risks and merits, as well as the legal, tax, regulatory and accounting characteristics and consequences, of the transaction. You should consider this material as only a single factor in making an investment decision.

The value of and income from investments and the cost of borrowing may vary because of changes in interest rates, foreign exchange rates, default rates, prepayment rates, securities/instruments prices, market indexes, operational or financial conditions or companies or other factors. There may be time limitations on the exercise of options or other rights in securities/instruments transactions. Past performance is not necessarily a guide to future performance and estimates of future performance are based on assumptions that may not be realized. Actual events may differ from those assumed and changes to any assumptions may have a material impact on any projections or estimates. Other events not taken into account may occur and may significantly affect the projections or estimates. Certain assumptions may have been made for modeling purposes or to simplify the presentation and/or calculation of any projections or estimates, and Davenport does not represent that any such assumptions will reflect actual future events. Accordingly, there can be no assurance that estimated returns or projections will be realized or that actual returns or performance results will not materially differ from those estimated herein. This material may not be sold or redistributed without the prior written consent of Davenport.

01.13.14 GM | KL

County of Powhatan
Three-Year Revenue Growth
Property Taxes



FY 2019 has an additional 30 days of revenue to be accrued back.

COUNTY OF POWHATAN

3834 Old Buckingham Road

Powhatan, Virginia 23139

(804) 598-5612

www.powhatanva.gov

