

County Administrator's Proposed FY 2020 – FY 2029 Capital Improvement Program (CIP)

Board of Supervisors Work Session

February 26, 2019

Agenda

- Project Review
 - Potential Changes to County Administrator's Proposed CIP
- Funding Review
 - Potential Changes to Proposed Funding Sources
- FY 2020 – FY 2029 Debt Information
- Next Steps

FY 2020-2029 Proposed CIP

Multi-Modal Transportation & Stormwater Projects



Fully Funded FY 2020-2029 CIP Projects Multi-Modal Transportation & Stormwater

Fully Funded Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
*Fallowater Lane Extension (p. 46)	\$502,240	---	---	\$502,240
Dry Hollow Road Safety Improvements (p. 48)	\$608,000	---	---	\$608,000
Huffman Lane Improvements (p. 50)	\$70,000	---	---	\$70,000
West Main Street Pedestrian Improvements (p. 52)	\$67,000	---	---	\$67,000
Williamson Road Pedestrian Improvements (p. 54)	\$275,000	---	---	\$275,000
NPDES Leachate Management System (p. 64)	\$650,000	---	---	\$650,000
Restoration of Glade Creek – Phase II (p. 66)	\$844,901	---	---	\$844,901
Total, Fully Funded Multi-Modal Transportation & Stormwater	\$3,017,141	---	---	\$3,017,141

*Slide #6 provides information on a staff recommended revision to this project.

Proposed FY 2020-2029 CIP Projects

Multi-Modal Transportation & Stormwater

Proposed Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Buck Mountain Rd. / Starkey Rd. Intersection (p. 56)	\$330,000	\$250,000	---	\$580,000
Minor Transportation and Planning Studies (p. 58)	---	\$80,000	\$80,000	\$160,000
East Roanoke River Greenway (p. 90)	\$8,515,840	\$366,606	\$125,000	\$9,007,446
West Roanoke River Greenway (p. 92)	\$3,489,926	\$4,542,105	---	\$8,032,031
Merriman Road Drainage Improvements (p. 68)	\$334,406	\$250,000	---	\$584,406
Storm Drainage Maintenance of Effort (p. 70)	\$742,062	\$200,000	\$2,230,000	\$3,172,062
MS4 Best Management Practices Construction (p. 72)	\$219,776	\$600,000	\$2,400,000	\$3,219,776
Plantation Road Phase II (p. 60)	\$1,752,213	---	\$300,000	\$2,052,213
Future VDOT Revenue Sharing Projects (p. 62)	\$515,000	---	\$2,000,000	\$2,515,000
Total, Proposed Multi-Modal Transportation & Stormwater	\$15,899,223	\$6,288,711	\$7,135,000	\$29,322,934

Proposed FY 2020-2029 CIP Projects Multi-Modal Transportation & Stormwater

County Staff Recommended Changes to the Proposed FY 2020 – 2029 CIP

Project/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
PROPOSED - Fallowater Lane Extension (p. 46)	\$502,240	---	---	\$502,240
REVISED – Fallowater Lane Extension	\$502,240	\$1,997,760	---	\$2,500,000

Revised funding includes \$1,997,760 in Commonwealth transportation funding budgeted in FY 2020. County Administration believes this will be a locally administered project requiring Commonwealth funding to be appropriated.

FY 2020-2029 Proposed CIP

Technology & Internal Services



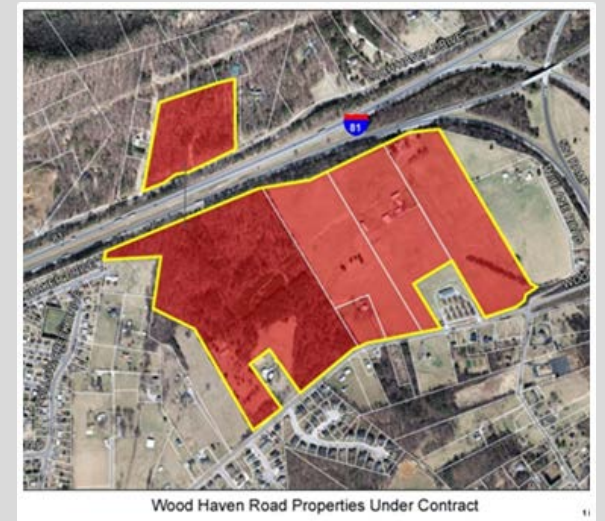
Fully Funded FY 2020-2029 CIP Projects Technology & Internal Services

Fully Funded Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Integrated Financial System (w/ RCPS) (p. 104)	\$3,996,390	---	---	\$3,996,390
Total, Fully Funded Technology and Internal Services Projects	\$3,996,390	---	---	\$3,996,390

Proposed Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Countywide Library Public Use Computer Replacement (p. 84)	\$100,000	\$41,000	\$245,000	\$386,000
Countywide Computer Replacement Program (p. 100)	\$550,000	\$275,000	\$2,475,000	\$3,300,000
IT Infrastructure Capital Maintenance Program (p. 102)	\$1,100,000	\$225,000	\$4,950,000	\$6,275,000
Human Resources and Payroll Modules (w/ RCPS) (p. 108)	\$1,313,270	\$542,139	\$483,360	\$2,338,769
Dynamics D365 Upgrade (w/ RCPS) (p. 106)	---	---	\$600,000	\$600,000
Total, Proposed Technology and Internal Services Projects	\$3,063,270	\$1,083,139	\$8,753,360	\$12,899,769

FY 2020-2029 Proposed CIP

Economic Development



Wood Haven Road Properties Under Contract

Fully Funded & Proposed FY 2020-2029 CIP Projects - Economic Development

Fully Funded Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Cityworks Permitting System (p. 44)	\$910,000	---	---	\$910,000
Total, Fully Funded Economic Development Projects	\$910,000	---	---	\$910,000

Proposed Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Roanoke County Broadband Initiative (p. 74)	\$822,612	\$382,978	\$2,694,179	\$3,899,769
*Woodhaven Property Acquisition and Improvements (p. 76)	\$364,954	\$162,800	\$3,037,927	\$3,565,681
Total, Proposed Economic Development Projects	\$1,187,566	\$545,778	\$5,732,106	\$7,465,450

*Total project cost is approximately \$4.4 million, with debt service payments extending beyond FY 2029.

FY 2020-2029 Proposed CIP

Public Safety



Fully Funded FY 2020-2029 CIP Projects

Public Safety

Fully Funded Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Jail Control Room and Security Camera Upgrades (p. 24)	\$600,000	---	---	\$600,000
General District Court Renovations and Furnishings (p. 38)	\$125,000	---	---	\$125,000
Total, Fully Funded Public Safety Projects	\$725,000	---	---	\$725,000

Proposed FY 2020-2029 CIP Projects

Public Safety

Proposed Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
*Digital Microwave Ring Replacement (p. 28)	\$161,000	\$325,000	\$327,000	\$813,000
Public Safety Connectivity Upgrade (p. 30)	---	---	\$150,000	\$150,000
Emergency 9-1-1 Phone System Upgrade (p. 32)	---	---	\$444,000	\$444,000
Fire & Rescue Ballistic Body Armor (p. 36)	---	\$67,000	\$70,000	\$137,000
Total, Proposed Public Safety Projects	\$161,000	\$392,000	\$991,000	\$1,544,000

*Project may require FY 2021 funding to be moved to FY 2020 to facilitate timely project completion. County staff are currently working through this issue and will have a resolution in advance of the first reading of the budget ordinances.

FY 2020-2029 Proposed CIP County Facilities



Fully Funded FY 2020-2029 CIP Projects

County Facilities

Fully Funded Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Mt. Pleasant Library Improvements (p. 82)	\$173,579	---	---	\$173,579
Fleet Service Center Generator (p. 110)	\$195,000	---	---	\$195,000
Total, Fully Funded County Facilities Projects	\$368,579	---	---	\$368,579

Proposed FY 2020-2029 CIP Projects

County Facilities

Proposed Projects/(CIP Page Number)	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
Sheriff's Office Capital Maintenance Program (p. 26)	\$349,000	\$95,000	\$1,110,000	\$1,554,000
*General Services Capital Maintenance Program (p. 114)	\$3,193,574	\$675,000	\$7,575,000	\$11,443,574
Parks and Recreation Capital Maintenance Program (p. 88)	\$2,840,000	\$600,000	\$6,250,000	\$9,690,000
Public Service Center Facility (p. 112)	\$1,550,000	\$10,000,000	\$3,704,000	\$15,254,000
Bent Mountain Community Center Renovations (p. 116)	---	\$700,000	---	\$700,000
Explore Park (p. 94)	\$5,723,484	---	\$1,300,000	\$7,023,484
Hollins Branch Library Replacement (p. 86)	---	---	\$17,500,000	\$17,500,000
Fire & Rescue Station Diesel Exhaust Removal System (p. 34)	---	---	\$525,000	\$525,000
Total, Proposed County Facilities Projects	\$13,656,058	\$12,070,000	\$37,964,000	\$63,690,058

*Slide #18 provides information on a staff recommended revision to this project.

Proposed FY 2020-2029 CIP Projects

Public Service Center

Project	Prior Years	FY 2020	FY 2021	FY 2022	FY 2023	Total
Public Service Center (p. 112)	\$1,550,000	\$10,000,000	---	---	\$3,704,000	\$15,254,000

- Phase I
 - I-A (\$550,000, prior years) – Building planning study (completed), architecture and engineering services (in progress)
 - I-B (\$1,000,000, prior years) – Property acquisition contiguous to the current Fleet Service Center (contract signed, County acquires property July 2019)
- **Phase II (\$10,000,000, FY 2020) – General Services, Communications Shop, and Information Technology functions move to expanded Fleet Service Center facility; utilization of existing Public Service Center site not in flood plain for County Stormwater operations; and relocation of two Parks district shops to Waldron and Green Hill Parks.**
- Phase III (\$3,704,000, FY 2023) – Property acquisition and relocation of Parks, Recreation, and Tourism department functions and warehouse.

Proposed FY 2020-2029 CIP Projects County Facilities

County Staff Recommended Changes to the Proposed FY 2020 – 2029 CIP

Project	<i>Prior Funding</i>	FY 2020 Funding	FY 21-29 Funding	Total Funding
PROPOSED – General Services Capital Maint. Program (p. 114)	\$3,193,574	\$675,000	\$7,575,000	\$11,443,574
Replace General Government Transfer Funding with Completed Project Close-Out Funding (no impact to projects)	---	(\$40,000)	---	(\$40,000)
Vinton Fire and Rescue Station Capital Maintenance	---	\$30,000	\$270,000	\$300,000
REVISED – General Services Capital Maintenance Program	\$3,193,574	\$665,000	\$7,845,000	\$11,703,574

Proposed FY 2020-2029 CIP Projects

Hollins Library (FY 2020 Budget Memo #4)

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
Proposed CIP (p. 86)	---	---	---	---	\$200,000	\$500,000	\$16,800,000	\$17,500,000
Potential Project Revision	\$4,996,000	---	---	\$10,000,000	---	---	---	\$14,996,000

- Request would utilize unallocated bond revenues of \$4.996 million in FY 2023 to begin the project. Bond funding planned in FY 2029 would be moved to FY 2026 to construct the project.
- Cost estimates are based on a 24,500 square foot facility, which is only a planning level estimate. The facility could be smaller based on community needs.
- Initial project scope and community engagement process would need to be completed in advance of architectural and engineering work being started in FY 2023.

FY 2020 – FY 2029 Capital Improvement Program Roanoke County Public Schools Project Highlights

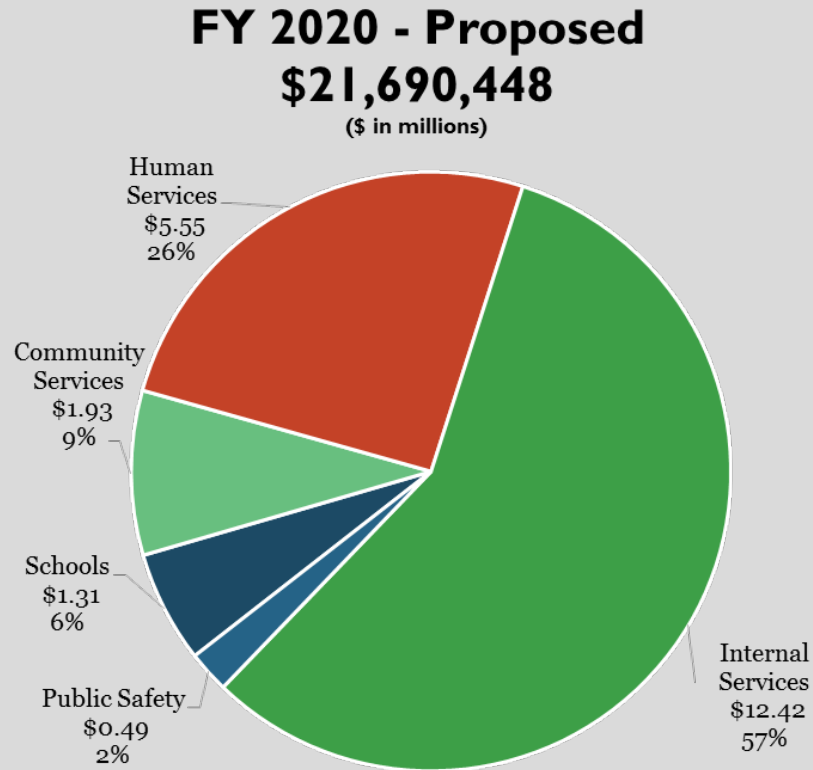
Proposed FY 2020 – FY 2029 CIP Projects Roanoke County Public Schools (\$77.9 M)

Proposed Projects (Pages 122-124)	FY 20 Proposed	FY 21-FY 29 Proposed
Cave Spring HS (fully funded, \$44.0 M)	---	---
Capital Maintenance Program	\$1,000,000	\$9,000,000
HR Payroll System and DAX Upgrade	\$310,820	\$541,680
William Byrd HS (FY 21-22)	---	\$21,252,140
Hidden Valley MS (FY 22-24)	---	\$13,182,797
Burlington Elementary (FY 24-25)	---	\$5,300,199
Glenvar Elementary (FY 24-25)	---	\$6,192,631
WE Cundiff Elementary (FY 26-27)	---	\$10,036,373
Glen Cove Elementary (FY 27-28)	---	\$11,061,834
Total, Roanoke County Public Schools	\$1,310,820	\$76,567,654

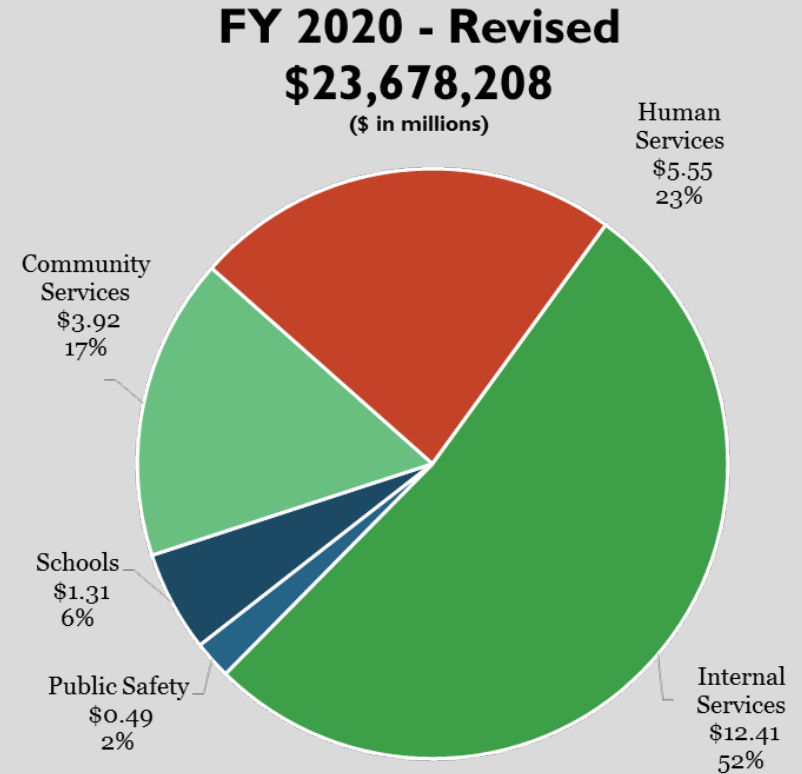


Proposed FY 2020 Summary of Projects by Functional Team

**FY 2020 Only - Proposed
Projects by Schools and Functional Team**



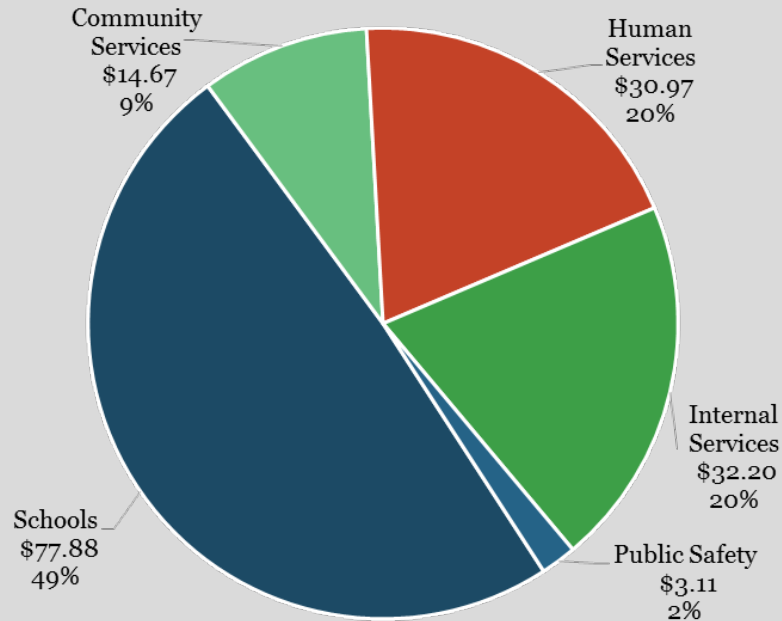
**FY 2020 Only - Revised
Projects by Schools and Functional Team**



Proposed FY 2020 – FY 2029 CIP Summary of Projects by Functional Team

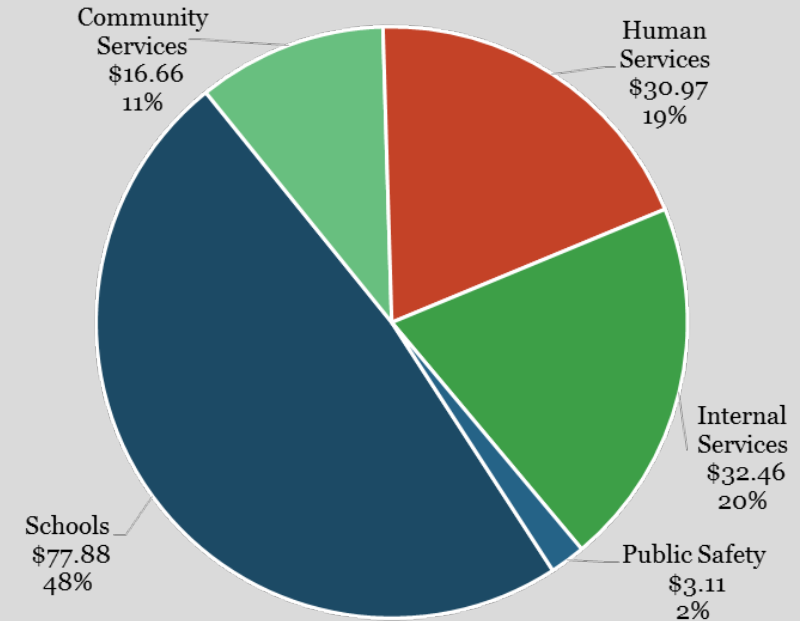
**FY 2020 - 2029 - Proposed
Projects by Schools and Functional Team**

FY 2020 - 2029 - Proposed
\$158,833,568
(\$ in millions)



**FY 2020 - 2029 - Revised
Projects by Schools and Functional Team**

FY 2020 - 2029 - Revised
\$161,091,328
(\$ in millions)



FY 2020 – FY 2029 Capital Improvement Program Funding Overview

Proposed FY 2020 CIP Funding Overview

Funding Source	Description	FY 2020 Proposed	Revisions	FY 2020 Revised
Roanoke County Unrestricted Cash	Cash from County sources such as a General Govt. Fund Transfer, Debt Fund, Capital Reserves, sale of assets, project close-out, etc.	\$2,519,319	(\$10,000)	\$2,509,319
Roanoke County Restricted Cash	Cash sources restricted in their use from funds such as the Economic Development Fund and Comm/IT Fund	\$1,640,778	---	\$1,640,778
Non-County Funding Sources	Grants, Other City/County Contributions, Private Capital Contributions	\$6,219,531	\$1,997,760	\$8,217,291
Lease/Revenue Bonds	Bonds issued and backed by the full faith and credit of the County for infrastructure investments	\$10,000,000	---	\$10,000,000
Schools Cash	Cash from RCPS sources such as the Debt Fund and Capital Reserves	\$1,310,820	---	\$1,310,820
Schools VPSA Bonds	Virginia Public Schools Authority Bonds issued for major RCPS projects	---	---	---
Total		\$21,690,448	\$1,987,760	\$23,678,208

Proposed FY 2020 - 2029 CIP Funding Overview

Funding Source	Description	FY 20 - 29 Proposed	Revisions	FY 20 - 29 Revised
Roanoke County Unrestricted Cash	Cash from County sources such as a General Govt. Fund Transfer, Debt Fund, Capital Reserves, sale of assets, project close-out, etc.	\$30,515,600	\$260,000	\$30,775,600
Roanoke County Restricted Cash	Cash sources restricted in their use from funds such as the Economic Development Fund and Comm/IT Fund	\$10,924,283	---	\$10,924,283
Non-County Funding Sources	Grants, Other City/County Contributions, Private Capital Contributions	\$7,711,211	\$1,997,760	\$9,708,971
Lease/Revenue Bonds	Bonds issued and backed by the full faith and credit of the County for infrastructure investments	\$31,804,000	---	\$31,804,000
Schools Cash	Cash from RCPS sources such as the Debt Fund and Capital Reserves	\$17,878,474	---	\$17,878,474
Schools VPSA Bonds	Virginia Public Schools Authority Bonds issued for major RCPS projects	\$60,000,000	---	\$60,000,000
Totals		\$158,833,568	\$2,257,760	\$161,091,328

Proposed FY 2020 – FY 2029 CIP Proposed Bonds

Type of Bond	Fiscal Year	Proposed Bonded Projects	Amount
Lease/Revenue	FY 2020	Public Service Center	\$10,000,000
Lease/Revenue	FY 2023	Public Service Center (\$3.7 M), Explore Park (\$1.3 M)	\$5,004,000
Lease/Revenue	FY 2026	<i>“Banked” for FY 2029</i>	---
Lease/Revenue	FY 2029	Hollins Library	\$16,800,000
Total, Lease / Revenue Bonds			\$31,804,000
VPSA Bonds	FY 2021-2022, FY 2024-2025, FY 2027-2028	William Byrd High School, Hidden Valley Middle School, Burlington Elementary, Glenvar Elementary, WE Cundiff Elementary, Glen Cove Elementary	\$60,000,000
Total, VPSA Bonds			\$60,000,000

- Based on the adopted Comprehensive Financial Policy, the County has \$8,196,000 in additional bond capacity that may be programmed at a later date

Proposed FY 2020 – FY 2029 CIP Funding Overview

Funding Source	County Revised FY 2020 – FY 2029		Schools FY 2020 - 2029	
	Amount	% of Total	Amount	% of Total
Cash Sources	\$51,408,854	61.8%	\$17,878,474	23.0%
Bonds	\$31,804,000	38.2%	\$60,000,000	77.0%
Total	\$83,212,854	100.0%	\$77,878,474	100.0%

FY 2020 – FY 2029 Capital Improvement Program Debt Information

Proposed FY 2020 – FY 2029 CIP Debt Information

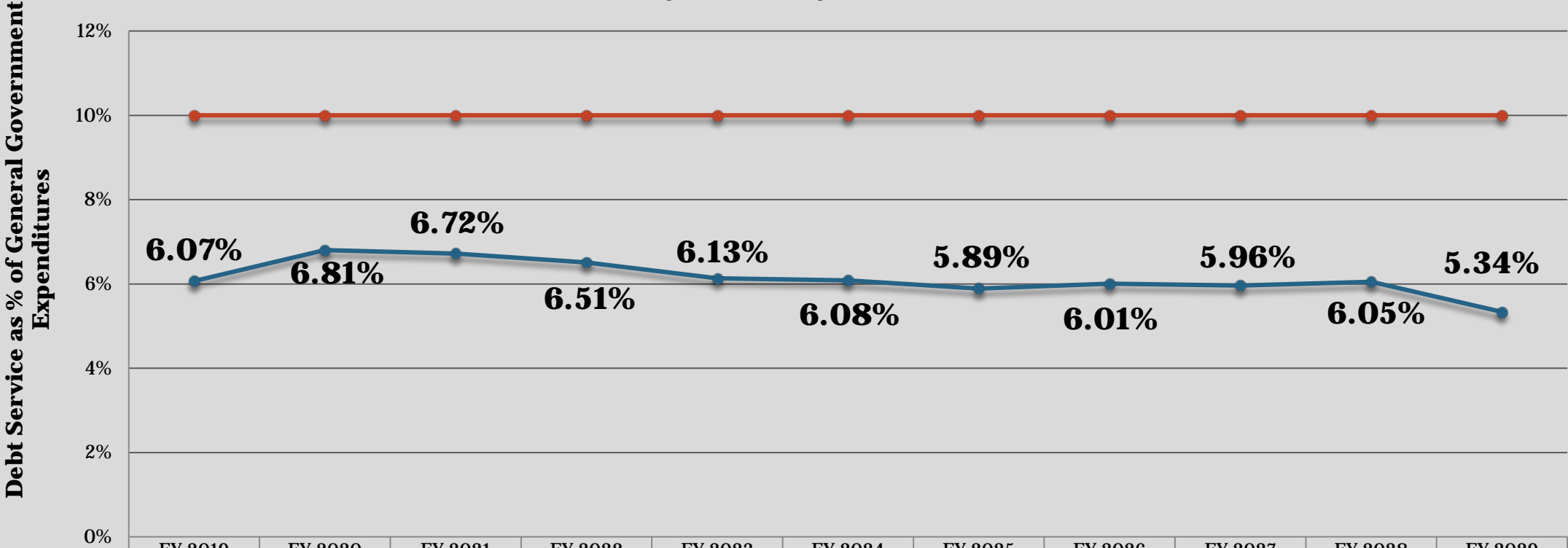
Board of Supervisors adopted debt ratios included in the Comprehensive Financial Policy must be adhered to in each year of the balanced ten-year plan

Ratio	Limit	FY 2018 Actual	FY 2019 Projected	FY 2020 Projected
Debt Service as a Percentage of General Govt. Expenditures	10.0%	6.57%	6.07%	6.81%
Outstanding Debt as a Percentage of Taxable Assessed Value	3.0%	1.58%	1.71%	1.65%

Includes all County and Schools outstanding debt and debt service

Proposed FY 2020 – FY 2029 CIP Debt Ratios

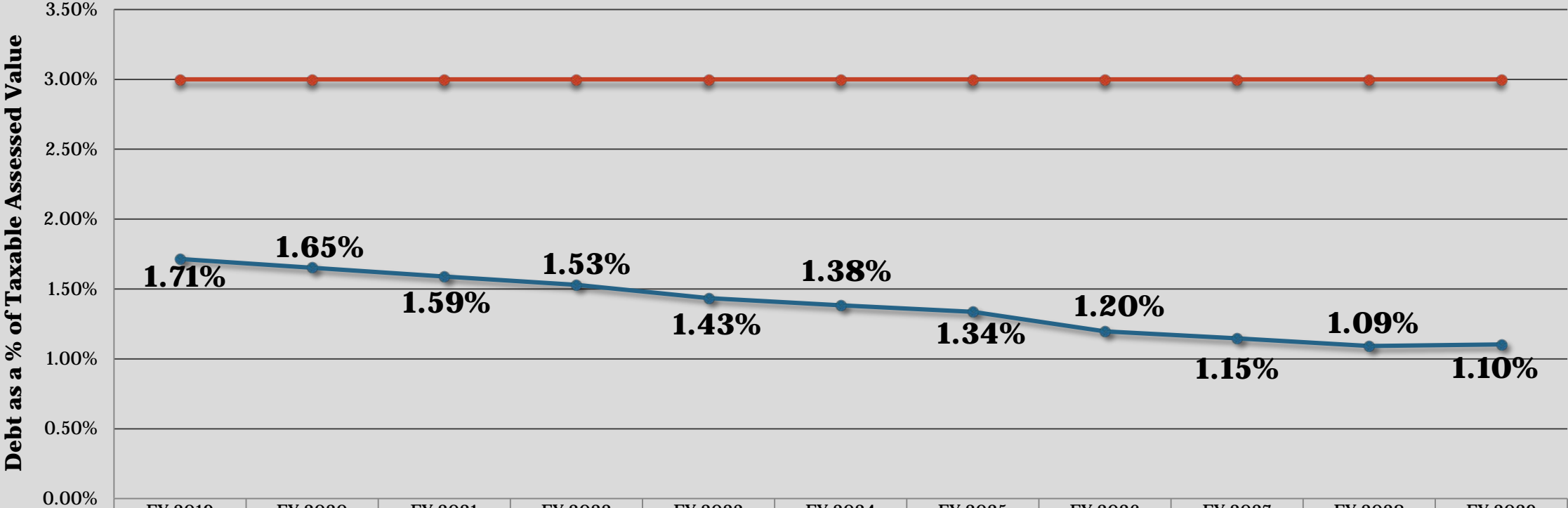
**Debt Service as a Percentage of General Government Expenditures
FY 2019 – FY 2029**



	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
With Projected Debt	6.07%	6.81%	6.72%	6.51%	6.13%	6.08%	5.89%	6.01%	5.96%	6.05%	5.34%
Limit	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Proposed FY 2020 – FY 2029 CIP Debt Ratios

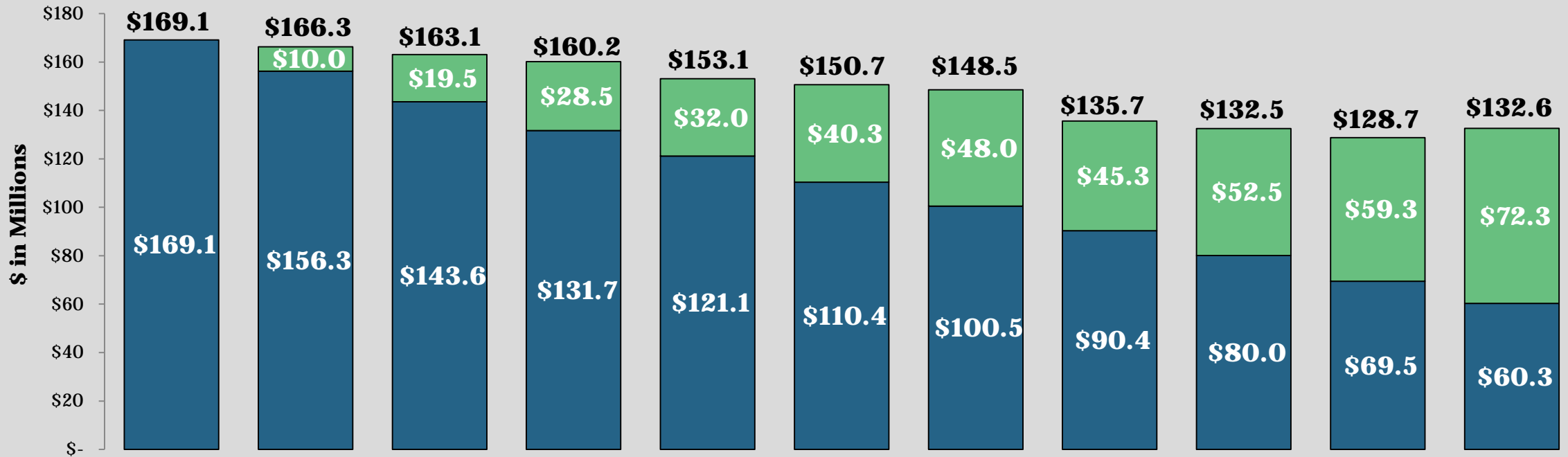
**Debt as a Percentage of Taxable Assessed Value
FY 2019 – FY 2029**



	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
With Projected Debt	1.71%	1.65%	1.59%	1.53%	1.43%	1.38%	1.34%	1.20%	1.15%	1.09%	1.10%
Limit	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

Proposed FY 2020 – FY 2029 CIP Outstanding Debt Projections

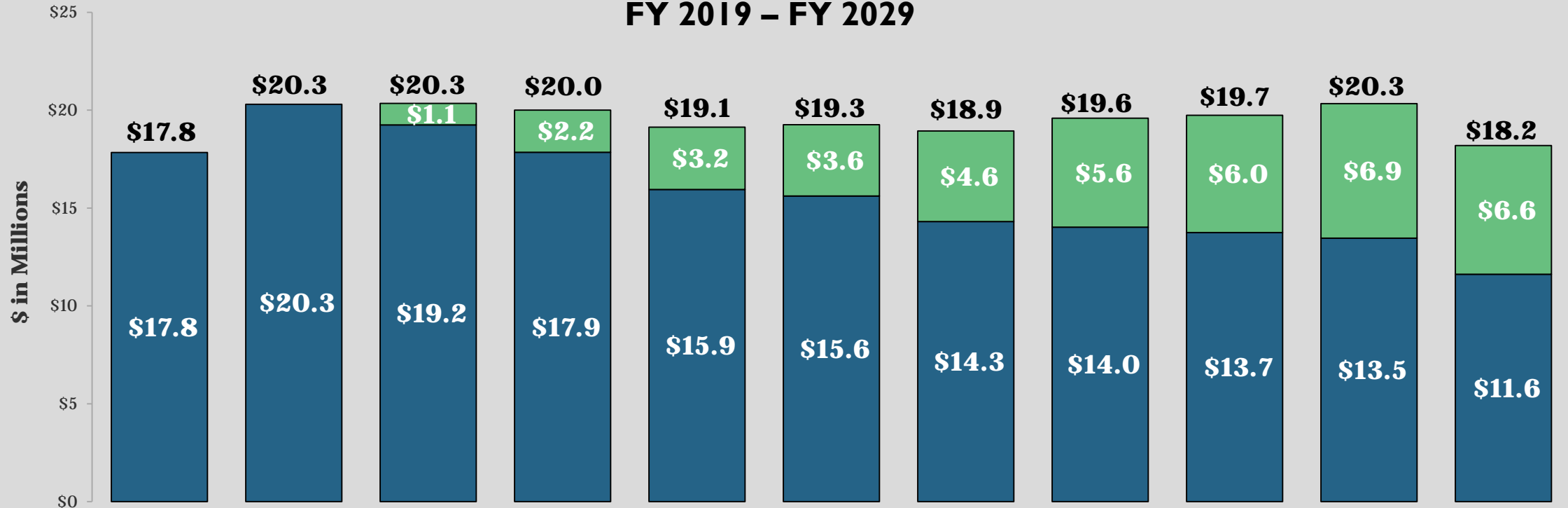
Existing and Planned Outstanding Debt FY 2019 – FY 2029



	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
New Debt Issuance - County	\$ -	\$ 10,000,000	\$ -	\$ -	\$ 5,004,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,800,000
New Debt Issuance - Schools	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ -	\$ 10,000,000	\$ 10,000,000	\$ -	\$ 10,000,000	\$ 10,000,000	\$ -
Existing Debt Outstanding (FY 19)	\$ 169,124,175	\$ 156,259,888	\$ 143,570,490	\$ 131,678,052	\$ 121,139,551	\$ 110,421,182	\$ 100,496,388	\$ 90,379,832	\$ 80,041,160	\$ 69,480,000	\$ 60,305,000
New Debt Outstanding (FY 19-29)	\$ -	\$ 10,000,000	\$ 19,500,000	\$ 28,500,000	\$ 32,004,000	\$ 40,253,800	\$ 48,003,600	\$ 45,253,400	\$ 52,503,200	\$ 59,253,000	\$ 72,302,800
Total Debt Outstanding	\$ 169,124,175	\$ 166,259,888	\$ 163,070,490	\$ 160,178,052	\$ 153,143,551	\$ 150,674,982	\$ 148,499,988	\$ 135,633,232	\$ 132,544,360	\$ 128,733,000	\$ 132,607,800

Proposed FY 2020 – FY 2029 CIP Outstanding Debt Projections

**Projected Debt Service
FY 2019 – FY 2029**



	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Existing (through FY 2019)	\$17,834,555	\$ 20,298,126	\$19,245,790	\$ 17,852,682	\$ 15,949,397	\$ 15,614,500	\$ 14,311,621	\$ 14,020,290	\$13,746,755	\$13,458,210	\$ 11,622,678
Planned (After FY 2019)	\$ -	\$ -	\$ 1,100,000	\$ 2,155,000	\$ 3,180,000	\$ 3,640,440	\$ 4,620,428	\$ 5,570,416	\$ 5,990,404	\$ 6,880,392	\$ 6,570,200

Proposed FY 2020 – FY 2029 CIP Debt Information – Comparative Jurisdictions

Debt Ratio	Roanoke County	Comparative Jurisdictions			AAA Rated Jurisdictions			
		Roanoke City	Lynchburg City	Hanover County	Arlington (AAA)	Alexandria (AAA)	Charlottesville (AAA)	Virginia Beach (AAA)
Debt Service as a % of General Government Expenditures Limit	10%	10%	N/A	10%	10%	12%	10%	10%
Debt as a % of Taxable Assessed Value Limit	3%	4%	4.5%	2.5%	3%	2.5%	N/A	3.5%

Next Steps

Capital and Operating Budget Development Next Steps

- Summer / Fall 2019 Work Sessions
 - Facilities Assessment Results Review and Prioritization
 - Schools Future Capital Needs
 - Review of “10-10-10” Funding Model

Capital and Operating Budget Development Next Steps – Work Sessions/Briefings

Item	2019 Date
Briefing – County Administrator’s Proposed FY 2020 – 2029 Capital Improvement Program	January 22
Work Session – FY 2019 Mid-Year Revenue & Expenditure Update	January 22
Work Session – FY 2019 – 2020 Revenue Outlook; County Fees & Charges Compendium	February 12
Work Session – FY 2020 – 2029 Capital Improvement Program	February 26
Briefing – County Administrator’s Proposed FY 2020 – 2029 Operating Budget	March 12
Work Session – Total Compensation, Outside Agencies, Revenue Update	March 26
Work Session – Departmental Budgets, Other General Fund Budgets	April 9
Work Session – Schools, CIP, Debt, Other/Follow-Up Items	April 23

Additional work sessions may be added at the discretion of the Board of Supervisors

Capital and Operating Budget Development Next Steps – Board Items

Item	2019 Date
County Administrator's Recommended FY 2020-2029 CIP	January 22
County Administrator's Recommended FY 2019-2020 Operating Budget	March 12
Public Hearing: Effective Tax Rate Public Hearing: Maximum Tax Rate Adoption of Maximum Tax Rate	March 26
Public Hearing: Tax Rate Adoption Public Hearing: Operating and Capital Budgets (first of two) Adoption of 2019 Tax Rates	April 9
Public Hearing: Operating and Capital Budgets (second of two) 1 st Reading of FY 2019-2020 Operating and Capital Budget Ordinances	May 14
2 nd Reading and Adoption of FY 2019-2020 Operating and Capital Budget Ordinances	May 28

Questions & Comments