



FY 2024 Recommended Budget Budget Question

Board Question #: 29

BUDGET QUESTION: The County is requesting approximately \$152 million in new CIP funding for FY 2024. Would staff please provide a prioritized listing of these projects and the potential impact of their deferral to later years?

RESPONDING DEPARTMENT/OFFICE: Finance

RESPONSE: As part of the development of the County's FY 2024 – FY2028 Capital Improvement Plan (CIP), staff received new CIP funding requests from various departments. All County project requests were evaluated in coordination with County Administration and key department personnel and were either included, eliminated, or deferred. The following is a summary of the FY 2024 County project requests included for recommendation to the Board.

	FY 2024 CIP Funding Requests		
	Cash Funding	Financed Costs	Total Requested
General CIP	\$21,037,963	\$10,406,298	\$31,444,261
Transportation	3,167,919	13,858,546	17,026,465
Utilities	19,400,000	37,925,000	57,325,000
Schools	1,477,285	45,061,075	46,538,360
Total	\$45,083,167	\$107,250,919	\$152,334,086

As requested, County staff worked with County project managers to categorize all FY 2024 requests into one of the following three categories:

Mandated - a project that is required due to a legal requirement such as a law, ordinance, or regulation put in place by the County or the governing body with authority over one or more aspects of County operations, and with which the County has no discretion in participation without being subject to penalty or being found in violation of law.

Committed - a project with a contract, purchase order or equivalent or funded with restricted funds. Projects in this category usually include increased funding for existing projects to cover the additional stages of work.

All Other – A project that does not fall into the specific category of Mandated or Committed.

In addition to the above categorization, project managers were asked to provide a statement addressing any impacts should the project be deferred. The following tables provide each of the projects as categorized and their corresponding impact statements.

			FY 2024 CIP Funding Request					
Category	Project Title	Project Budget Balance through FY 2023 as of 3/20/2023	FY 2024 Total CIP Funding Request	Mandated Portion	Committed Portion - Project in Process or Board Directed	All Other - Not Mandated or Committed Portion	Future Funding Requirements	Impact Statement
CIP FUNDING REQUESTS -GEN'L & TRANSP		\$30,854,891	\$48,470,726	\$16,616,343	\$13,809,885	\$18,044,498	\$113,517,773	
CIP FUNDING REQUESTS FOR GEN'L		\$21,807,349	\$31,444,261	\$8,759,878	\$6,214,885	\$16,469,498	\$49,472,078	
CIP FUNDING REQUESTS FOR TRANSP		\$9,047,542	\$17,026,465	\$7,856,465	\$7,595,000	\$1,575,000	\$64,045,695	
Fire & Rescue	Replacement of F&R Company 3 (Partlow)	7,152,361	5,289,885		5,289,885		-	Construction of the station has not been awarded; design is at 100% complete. The current Fire and Rescue building is not owned by the County. The building was constructed in the 1980's and is in a state of decline. The space was not originally designed for 24/7 continuous staffing. Failing to move forward with this project would result in failing to maintain a safe and adequate work place for employees.
Fire & Rescue	New Fire/Rescue - Company 12 (Massaponax area)	1,543,750	250,000		250,000		13,000,000	Project is awaiting site selection/acquisition to move forward with design. The proposed station location is within the primary settlement district where the County has approved many new large projects to include single and multiple family housing projects, a technology park and a large recreational project. Three of the four bordering fire/rescue stations are approaching or have exceeded the comprehensive plan of 2500 calls per year.
Fire & Rescue	New/Replacement Fire Equipment	Annual on-going	3,502,128			3,502,128	Annual on-going	As the Department's call volume continues to increase, so has the use of our emergency vehicle fleet. This use is contributing to increased maintenance costs and a shortened lifecycle of the apparatus. This is further compounded by current manufacturer delivery intervals ranging from 24-36 months. Additionally, manufacturers have implemented semiannual price increases to capture frequent increases in costs the purchase and delivery of parts needed to construct the vehicles. Delaying the purchase of these vehicles will only result in increased purchase costs and increased maintenance costs for existing vehicles. It is also important to note that the cost of these purchases is not encumbered until the vehicle has completed construction and is delivered to the County.
Fire & Rescue	New/Replacement EMS Equipment	Annual on-going	940,230			940,230	Annual on-going	FREM has completed extensive research to validate the need for our current replacement schedule as it pertains to the cost of ongoing repairs, wear and tear and replacement. While the funds will need to be obligated in the upcoming budget year, the funds will not be expended for an extended period of time as the current production time is nearing three years.
Fire & Rescue	Thermal Imaging Cameras	-	303,450			303,450	-	The Department currently uses three different brands/types of thermal imaging cameras. These devices are aging and in need of replacement. A thermal imaging camera is a valuable piece of equipment that is used to locate trapped occupants and downed firefighters in structure fires. FREM identified, in the budgeting process, that these could be purchased using VFDP Aide to Localities funds.
Fire & Rescue	New/Replacement Vehicles	Annual on-going	269,438			269,438	Annual on-going	The Departments fleet of staff vehicles is aging and needs to have a similar replacement schedule as our other fire and EMS vehicles. We have repurposed vehicles to extend the life expectancy of the vehicles by reassigning them to other staff. The ongoing upkeep of an older fleet is driving up the maintenance and repair costs.

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Gen Gov't Facilities & Equip	Facility Asset Management Program	Annual on-going	818,000			818,000	Annual on-going	If the FAM program is not financed, there will be an immediate operational impact on all county facilities. The FAM program has purposefully planned mechanical upgrades and office remodeling to maintain buildings suitably and operational, keeping County employees working in a safe and healthy setting.
Gen Gov't Facilities & Equip	Replacement Vehicles - IS	Annual on-going	82,000			82,000	Annual on-going	Not keeping up with the replacement of vehicles on a regular basis may lead to increased repair costs due to an older fleet of vehicles and the need to replace a larger number of vehicles at one time.
Gen Gov't Facilities & Equip	Replacement Vehicles - P&R	Annual on-going	53,880			53,880	Annual on-going	Not keeping up with the replacement of vehicles on a regular basis may lead to increased repair costs due to an older fleet of vehicles and the need to replace a larger number of vehicles at one time.
Gen Gov't Facilities & Equip	Replacement Vehicles - Sheriff	Annual on-going	1,698,750			1,698,750	Annual on-going	Not keeping up with the replacement of vehicles on a regular basis may lead to increased repair costs due to an older fleet of vehicles and the need to replace a larger number of vehicles at one time.
Gen Gov't Facilities & Equip	Replacement Vehicles - Animal Control	Annual on-going	65,500			65,500	Annual on-going	Not keeping up with the replacement of vehicles on a regular basis may lead to increased repair costs due to an older fleet of vehicles and the need to replace a larger number of vehicles at one time.
Gen Gov't Facilities & Equip	Replacement Vehicles - Courts	Annual on-going	57,750			57,750	Annual on-going	Not keeping up with the replacement of vehicles on a regular basis may lead to increased repair costs due to an older fleet of vehicles and the need to replace a larger number of vehicles at one time.
Gen Gov't Facilities & Equip	Replacement Vehicles - Facilities Maintenance	Annual on-going	60,000			60,000	Annual on-going	Not keeping up with the replacement of vehicles on a regular basis may lead to increased repair costs due to an older fleet of vehicles and the need to replace a larger number of vehicles at one time.
Gen Gov't Facilities & Equip	Stormwater Management Maintenance - County-Owned Property	Annual on-going	30,000	30,000			Annual on-going	County must maintain stormwater facilities that serve County assets. Chapter 870. Virginia Stormwater Management Program (VSMP) Regulation
Gen Gov't Facilities & Equip	Addition to Public Safety Building	794,400	500,000			500,000	18,250,000	The Sheriff's Office will need to find interim resolution to resolve their ongoing space needs.
Gen Gov't Facilities & Equip	Public Water & Safety	201,030	180,870			180,870	-	Museum and Annex will not have fire protection; site will continue to use an unreliable domestic water source.
Gen Gov't Facilities & Equip	Registrar Pollbook Replacement	-	38,350	38,350			-	1 new "e-poll pad" for each precinct to be used for curbside voters. This way, the two regular, voter check-in pollpads (pollbooks) can stay inside the precinct and one can be singled out for use only on curbside voters. It's time consuming for election officials to monitor the curbside voting area at all precincts, walk out to vehicles, bring the voter's ID into the precinct to check them into the system and then bring out their ballot and voting materials. This way election officials will be able to bring the pollpad to the voter in their vehicle, perform check-in procedures and have all the supplies ready for the voter to complete their voting experience. If it is not funded, we will continue the longer process for our officials working to help the steadily growing number of curbside voters with their process.

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Gen Gov't Facilities & Equip	Voting Machine Replacement	-	411,085	411,085			-	<p>Current Unisyn voting machine tabulators were purchased in 2015. The Code of Virginia requires a voting system to be in compliance with the Federal and State Certification Standards.</p> <p>We have brought all our scanners up to certification requirements as mentioned above, but this has drastically slowed the processing of our machines. This makes it take longer to scan and tabulate each voter's ballot as they stand and wait to see "Voting Success" after they place their ballot on the tray. Since scanners copy images to tabulate both sides of the ballot, elections that have two-sided ballots (this November and next year) will take even longer to process correctly. At the end of Election Night, what used to take about 20 minutes is now close to an hour of running tabulations for election officials to finish their duties as required by law. That is only the beginning – the Precinct Chiefs need to complete tabulating results, call totals in to the office for the Director. This is then where the public and candidates can finally find out precinct by precinct vote sums and information.</p> <p>The current Unisyn machines have slowed considerably due to the software updates from the state and new software requirements per State law. We need to provide a more efficient process for our voters. The new machines – while still offering the same threat protection and no Wi-Fi capability - are definitely more user friendly, operate at a faster pace and also provide an easier and better voting experience for the voters of our County. The screens are larger and easier to understand ballot communication to the voter.</p>
Gen'l Govt - IS All Other	Replacement Computers and Servers	Annual on-going	1,898,580			1,898,580	Annual on-going	This would delay Windows 11 implementation, infrastructure upgrades (i.e. servers, switching, large server room UPS's which are end of life)
Gen'l Govt - IS All Other	Phone System Replacement	-	100,000			100,000	1,000,000	This is for business analysis and RFP support already pushed \$1 million from FY 24
Gen'l Govt - IS All Other	Community Development System Replacement	500,000	600,000		600,000			RFP in process, finalized funding for community development system which began in FY23
Gen'l Govt - IS All Other	ARC GIS Platform Implementation	260,689	75,000		75,000		300,000	This will delay the upgrade of our GIS infrastructure.
Gen'l Govt - IS All Other	Security Information and Event Management & Regional Operations Center	-	574,000			574,000	619,920	This would affect are overall cybersecurity posture as recommended by the auditors. We can reduce by this by \$200K to \$374K for FY24
Gen'l Govt - IS Public Safety	Radio Replacement Program	Annual on-going	615,000			615,000	Annual on-going	This will affect radio replacements for PS but we can reduce by \$200K to \$415K for FY24
Gen'l Govt - IS Public Safety	Body Camera Replacement Program	Annual on-going	60,000			60,000	Annual on-going	Normal replacements of PS body cameras
Gen'l Govt - IS Public Safety	Fiber Network Expansion - Utilities Facilities	Annual on-going	100,000			100,000	400,000	This would delay expansion of Utilities facilities fiber network.
Gen'l Govt - IS Public Safety	Fiber Network Expansion - County Facilities	ongoing	50,000			50,000	200,000	This would delay fiber runs to no utilities facilities i.e. new construction

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Gen'l Govt - IS Public Safety	E911 Phone System Replacement	-	1,100,000			1,100,000	-	This 911 dispatch phone system that will be end of life and end of support by the end of the year.
Parks & Rec	Loriella Pool/Pool House Major Maintenance	7,405	296,667			296,667	593,333	Only critical life safety repairs will be made on an as needed basis.
Parks & Rec	Cosner Park River Bank Stabilization	-	15,000			15,000	80,000	Fencing will be added to river bank area. Failure to address will result in future facility closure.
Solid Waste	Livingston Landfill Development (MANDATE)	11,347,714	8,280,443	8,280,443			15,028,825	Landfill construction and closure must be done in accordance with 9VAC20-81
Solid Waste	Refuse Disposal Equip Replacement	Annual on-going	1,834,000			1,834,000	Annual on-going	Equipment will be used to point of failure and removed from service. Level of Service will be reduced or eliminated at the Landfill.
Solid Waste	Refuse Collection Equip Replacement	on-going	1,294,255			1,294,255	Annual on-going	Equipment will be used to point of failure and removed from service. Level of Service will be reduced or eliminated at the Convenience Centers.
Transp - All Other	Widening of Harrison - Old Plank to Gordon	549,977	3,550,000		3,550,000		-	Project cost would further increase and project would be delayed.
Transp - All Other	Bring Hospital Blvd/Spotsylvania Parkway in Area of Hospital to State Standards	405,000	143,232	143,232			-	VDOT is mandating that the County pay for a little over half of this project cost as a condition to bring the rest of Spotsylvania Pkwy and Hospital Blvd into the State system. VDOT says work must be completed by FY24.
Transp - All Other	Roundabout - Old Plank & Andora	618,851	1,000,000			1,000,000	1,750,000	Could negatively impact the ability of the County to advance developments along Old Plank Rd in the vicinity of Andora Drive since VDOT believes this improvement is necessary to accommodate additional growth.
Transp - All Other	VCR Connector Trail - Salem Church/Harrison Roads	-	380,000	380,000			-	Project and associated TR2401 project which VDOT has combined into one would be delayed increasing County cost on both projects and jeopardizing Harrison Rd 7-Eleven project.
Transp - All Other	Rte. 620 Intersection Improvements Including Second Median for EB Harrison Rd at Salem Church/Leavells Roads	-	325,000	325,000			-	VDOT required that the County complete this for the Harrison Rd 7-Eleven. If County delays or does not do this, VDOT could revoke its entrance permits for the Harrison Rd 7-Eleven and cost would likely increase.
Transp - All Other	Rural Road Safety Improvements	400,000	1,000,000		1,000,000		5,840,000	Board passed resolution committing to \$1.5 Million in FY24 & FY25. FY26 and beyond is not committed.
Transp - All Other	GEC - Transportation Planning	365,000	300,000			300,000	-	If we do not do required studies use GEC-Transportation Planning, we will lose out on the opportunity to pursue Revenue Sharing, Smart Scale Round 6 funding, and Federal Grants to help reduce future County CIP commitments.
Transp - All Other	Roundabout - Old Plank & Chancellor Road	1,854,000	356,671	356,671			-	VDOT required this project to be in place as a condition for approving Linwood Estates which the County approved. If County delays or does not continue, VDOT could revoke its entrance permits for Linwood Estates until project is completed.
Transp - All Other	Chancellor Park Sidewalk	225,000	275,000			275,000	1,614,000	Following the BOS meeting on 2/28, staff met with VDOT, received their concurrence with investigating switching the project to the other side of the road, and received new information that we had until the 5/23 BOS meeting to make a decision on whether or not to move forward with the TAP project. Preliminary discussions have taken place with the developer of the Saddle Creek subdivision regarding the proposed realignment.

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Transp - All Other	Momentum Drive Access Road	590,551	3,045,000		3,045,000		3,045,000	Part of the project is a VDOT EDA grant that the County has committed to. If County does not move forward, it may have to pay some/all of this back which would be up to \$640K. Project could be delayed, but cost would likely increase.
Transp - VA Hospital	Four Mile Fork Multimodal Improvements & Rt. 1 Revitalization (assumes the more robust of the two Four Mile Fork project alternatives)	2,089,163	2,762,557	2,762,557			7,123,776	Required VA Project that VDOT is trying to expedite.
Transp - VA Hospital	Rt. 1/Hood Drive Intersection Improvements	500,000	1,216,000	1,216,000			15,500,000	Required VA Project, but schedule is not set yet so it could be delayed. Downside is the cost would likely further increase.
Transp - VA Hospital	Germanna Point Drive Extension	-	2,173,005	2,173,005			28,472,919	Required VA Project, but schedule is not set yet so it could be delayed. Downside is the cost would likely further increase.
Transp - VA Hospital	Exit 126 Southbound Ramp Improvements - Blue	1,450,000	500,000	500,000			700,000	Required VA Project that VDOT is trying to expedite.

UTILITIES FUND CAPITAL PROJECT REQUESTS

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CIP FUNDING REQUESTS - Utilities	28,637,304	57,325,000	42,950,000	11,900,000	2,475,000	67,000,000	
Stonewall Pump Station 22	\$423,108	900,000	-	900,000		-	Delayed funding will result in the continued flooding of a critical sewer pump station and impact operations and service reliability. Ultimately this could lead to significant future costs in infrastructure repairs.
Replacement Equipment - Field Services	Annual On-going	825,000	-		825,000	Annual On-going	Delayed funding will prevent the replacement of critical operational equipment and impact the Department's ability to perform core functions.
Replacement Equipment - Composting	Annual On-going	1,000,000	-		1,000,000	Annual On-going	Delayed funding will prevent the replacement of critical operational equipment and impact the Department's ability to perform core functions.
Thornburg Wastewater Treatment Plant Expansion	\$13,389,361	800,000	800,000			-	Delayed funding will prevent the County from completing ongoing construction of a wastewater treatment plant expansion. This will impact the County's ability to serve existing and future development and meet regulatory compliance defined in the DEQ Sewer Collection and Treatment Regulations.
Pump Station 60 Rebuild	\$300,000	700,000	-	700,000		-	Delayed funding will prevent the replacement of critical infrastructure at the end of it's service life and potentially impact customer service, human and environmental health, and regulatory compliance.
Rt. 1 18" Line Upgrade	\$2,311,697	2,000,000	-	2,000,000		10,000,000	Delayed funding will prevent the County from providing adequate sewer capacity for a significant portion of the County's service area, including existing and future development.
Replacement Equipment - Massaponax	Annual On-going	350,000	-		350,000	Annual On-going	Delayed funding will prevent the replacement of critical operational equipment and impact the Department's ability to perform core functions, including wastewater treatment.
Spotsylvania Avenue Sewer Upgrade	\$530,941	100,000	-	100,000		-	Delayed funding will prevent the County from providing adequate sewer capacity for existing and ongoing development in this sewershed.
Southpoint 12" Waterline Replacement	\$0	300,000			300,000	300,000	Delayed funding would impact service reliability and potential water quality for a major commercial area as the aging cast iron line would be left in service. A significant break for this line could have major impacts to the distribution system as a whole.

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Motts Water Treatment Plant Expansion	\$4,019,102	18,000,000	18,000,000			27,000,000	Delayed funding would significantly impact the County's ability to adequately serve the entire distribution system and provide required fire flow for the County. The County must expand our drink water treatment plant per VDH regulation 12VAC5-590-520 as we have reached 80% capacity for 3 consecutive months.
Motts Water Treatment Plant Rehabilitation	\$0	12,000,000	12,000,000			12,000,000	Delayed funding would significantly impact the County's ability to adequately serve the entire distribution system and provide required fire flow for the County. The County must rehabilitate aging infrastructure at the existing Motts WTP to ensure continued reliability and water quality for County customers.
Motts Water Treatment Plant Resiliency	\$0	5,500,000	5,500,000			15,000,000	Delayed funding would significantly impact the County's ability to adequately serve the entire distribution system and provide required fire flow for the County. The County must improve facilities to address resiliency and redundancy to ensure continued reliability and water quality for County customers.
Rappahannock River Intake/Pump Station	\$0	6,400,000	6,400,000			-	Delayed funding would significantly impact the County's ability to adequately serve the entire distribution system and provide the required fire flow for the County. The County must expand our drink water treatment plant per VDH regulation 12VAC5-590-520 as we have reached 80% capacity for 3 consecutive months.
Rt. 1 Waterline Improvements - Cosner to Massaponax	\$692,930	700,000		700,000		2,700,000	Delayed funding would impact the County's ability to provide adequate service and fire flow to the Route 1 and Thornburg regions for existing and future development.
Harrison Road Waterline	\$6,970,165	5,500,000		5,500,000		-	Delayed funding would significantly impact the County's ability to provide adequate service and fire flow capacity for the Route 1 and Thornburg regions for both existing and future development.
Dam Maintenance	Annual On-going	250,000	250,000			Annual On-going	Delayed funding would significantly impact the County's ability to meet state permit requirements for owning and operating a high hazard dam. Delays in maintenance could result in significant impacts to human health and safety.
Thornburg SE Regional Water Service Area	\$0	2,000,000		2,000,000		-	Delayed funding would impact the County's ability to adequately serve and provide fire flow to both existing and future customers in the Thornburg region.