

Capital Improvement Program Information Technology

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	Capital Improvement Program Information Technology											
	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total		
Projects												
Backup Emergency Communications Center	-	-	-	1,348	3,092	3,395	-	7,835	-	7,835		
Data Center and Fiber Plant Relocation	1,765	-	-	721	-	-	-	721	-	2,486		
Enterprise Data Warehouse		-	1,850	1,906	1,963	-	-	5,719	-	5,719		
Fiber Backbone Replacement/I-Net		930	-	-	-	-	-	930	-	930		
GeoHub Servers	-	-	160	160	160	160	160	800	-	800		
Information Technology Contingency	834	1,263	1,591	1,639	1,688	1,739	1,791	9,711	7,718	18,263		
Land Management Information System	10,162	3,169	-	-	-	-	-	3,169	-	13,331		
Oracle Upgrades - Classification and Compensation	2,292	-	-	-	-	-	-	-	-	2,292		
Oracle Upgrades - Financial Reporting Solutions	-	2,318	-	-	-	-	-	2,318	-	2,318		
Oracle Upgrades - Hosting Solution	-	536	5,202	138	-	-	-	5,876	-	5,876		
Oracle Upgrades - Hyperion	-	-	-	660	-	-	-	660	-	660		
Oracle Upgrades - iRecruitment	-	2,354	-	-	-	-	-	2,354	-	2,354		
PCI Replacement System	-	-	375	5,710	775	-	-	6,860	-	6,860		
Public Safety - 911 Phone Switch Replacement	-	-	-	350	3,044	-	-	3,394	-	3,394		
Public Safety - Handheld Radio Replacements	-	-	11,251	-	-	-	-	11,251	-	11,251		
Public Safety - Radio Tower Expansion Program	2,000	405	2,830	-	3,002	-	3,185	9,422	6,964	18,386		
Public Safety - Redundant Master/Prime Site	3,075	-	1,008	-	-	-	-	1,008	-	4,083		
Public Safety - School Radio Coverage Program	1,100	660	1,100	1,100	1,100	1,100	1,100	6,160	-	7,260		
Remote Site Connectivity	-	191	4,309	-	-	-	-	4,500	-	4,500		
School Bus Radio Replacements - Project Management	-	-	1,250	-	-	-	-	1,250	-	1,250		
Total – (Cost 21,228	11,826	30,926	13,732	14,824	6,394	6,236	83,938	14,682	119,848		
Local Tax Funding	12,866	11,826	30,926	13,732	14,824	6,394	6,236	83,938	14,682	111,486		
Lease Revenue Financing	8,362	-	-	-	-	-	-	-	-	8,362		
Total – Funding Sou	rces 21,228	11,826	30,926	13,732	14,824	6,394	6,236	83,938	14,682	119,848		



Backup Emergency Communications Center

Details:

Election District: Countywide

Square Feet: n/a Location: n/a

Project Number: n/a

Estimated Completion Year: FY 2025

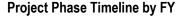
Referendum: n/a

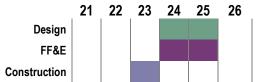
Background:

This project provides funding for relocation of the Backup Emergency Communications Center (ECC) to a modern, technically redundant, and secure facility. This migration could be a step whereby the technology and operations are moved to a data center.

The existing ECC facility is aging and has been identified on the County's Technology Roadmap as a key backup facility that must be migrated to a modern data center due to the critical nature of the work performed in the facility.







Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	-	-	225	232	-	457	-	457
Construction	-	-	-	1,225	-	-	-	1,225	-	1,225
Furniture, Fixtures & Equip	-	-	-	-	2,586	2,854	-	5,440	-	5,440
Contingency	-	-	-	123	281	309	-	713	-	713
Total Cost	-	-	-	1,348	3,092	3,395	-	7,835	-	7,835
Local Tax Funding	-	-	-	1,348	3,092	3,395	-	7,835	-	7,835
Total Financing	-	-	-	1,348	3,092	3,395	-	7,835	-	7,835



Data Center and Fiber Plant Relocation

Details:

Project Number: C02246 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2023

Referendum: n/a

Background:

This project provides funding to continue the migration of the County's data center facilities to a private, fit-for-purpose data center within Loudoun County. Once complete, DIT will collapse the existing, aging data center facilities which present a significant risk to continuity of operations.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	-	109	-	-	-	109	-	109
Furniture, Fixtures & Equip	1,765	-	-	546	-	-	-	546	-	2,311
Contingency	-	-	-	66	-	-	-	66	-	66
Total Cost	1,765	-	-	721	-	-	-	721	-	2,486
Local Tax Funding	1,765	-	-	721	-	-	-	721	-	2,486
Total Financing	1,765	-	-	721			-	721	-	2,486



Enterprise Data Warehouse

Details: Project Number: C02364 Election District: Countywide

Square Feet: n/a
Location: Countywide

Estimated Completion Year: FY 2025

Referendum: n/a

Background:

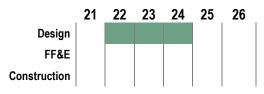
This project provides funding for establishing and implementing modern data management practices, the resultant infrastructure, and the tools that are necessary to utilize the data.

Key activities include: establishing data governance that clearly establishes authoritative sources of data and data stewards, strengthening data security privacy and confidentiality models, cataloging and consolidating data repositories across the County, and applying advanced analytics to an integrated data environment to extract insights to support County leadership for policy and decision support.

The effort will culminate in the establishment of the first Loudoun County Data Warehouse in an appropriately structured, protected, high quality environment for all County departments to access and analyze according to established security and privacy policies.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	1,850	1,906	1,963	-	-	5,719	-	5,719
Total Cost	-	-	1,850	1,906	1,963	-	-	5,719	-	5,719
Local Tax Funding	-	_	1,850	1,906	1,963	-	_	5,719	-	5,719
Total Financing	-	-	1,850	1,906	1,963	-	-	5,719	-	5,719



Fiber Backbone Replacement/I-Net

Details: Project Number: C02328

Election District: Countywide Square Feet: n/a

Estimated Completion Year: FY 2021

Referendum: n/a

Location: Countywide

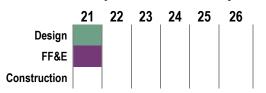
Background:

This project provides funding for replacing the current Comcast I-Net fiber network in the Leesburg area. The project scope of work includes the replacement of existing fiber that is over twenty years old with leased fiber.

The Loudoun County fiber backbone provides connectivity to approximately 20 sites in the Leesburg area, including the Government Center, Shenandoah Office Building, Emergency Communications Center (ECC), Backup ECC, Emergency Operations Center (EOC), and the Courts Complex.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	206	-	-	-	-	-	206	-	206
Furniture, Fixtures & Equip	-	639	-	-	-	-	-	639	-	639
Contingency	-	85	-	-	-	-	-	85	-	85
Total Cost	-	930	-	-	-	-	-	930	-	930
Local Tax Funding	-	930	-	-	-	-	-	930	-	930
Total Financing		930	-	-	-	-	-	930	-	930



GeoHub Servers

Details: C02381 **Project Number:**

Election District: Countywide

Square Feet: n/a Location: Countywide Completion Year: FY 2026

Referendum: n/a

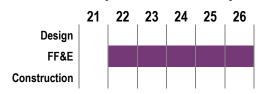
Background:

This project provides funding for the purchase of equipment to host virtual servers in support of the expansion of the County's Geographic Information System (GIS) web

infrastructure.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Fumiture, Fixtures & Equip		-	160	160	160	160	160	800		800
Total Cost		-	160	160	160	160	160	800	-	800
Local Tax Funding		-	160	160	160	160	160	800	-	800
Total Financing		-	160	160	160	160	160	800	-	800

Operating Impact (\$ in 1000s)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
FTE	-	1.00	-	-	1.00	-	1.00
Staffing	-	90	-	-	-	-	90
O&M	-	7	_	-	_	-	7
Total Impact		97	-	-	-	-	97



Information Technology Contingency

Details:
Project Number: C02242
Election District: Countywide
Square Feet: n/a

Location: Countywide
Estimated Completion Year: Ongoing

Referendum: n/a

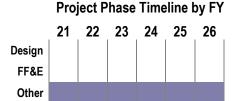
Background:

The Information Technology Contingency project includes annual allocations of local tax funding to maintain a sustainable Information Technology (IT) contingency commensurate with the Capital Financing Plan. Funding is moved from the IT Contingency account into IT projects in the Capital Projects Fund as needed throughout the fiscal year.

The budget for this project was originally included in the FY 2021 Capital Improvement Program (CIP) project entitled *Major Computer Systems*. As part of the FY 2022 CIP development process, the *Major Computer Systems* project was removed from the Budget Document, and the planned funding that made up the budget was reallocated to the individual projects to effectively administer and provide transparency for the use of funding.







Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Contingency	834	1,263	1,591	1,639	1,688	1,739	1,791	9,711	7,718	18,263
Total Cost	834	1,263	1,591	1,639	1,688	1,739	1,791	9,711	7,718	18,263
Local Tax Funding	834	1,263	1,591	1,639	1,688	1,739	1,791	9,711	7,718	18,263
Total Financing	834	1,263	1,591	1,639	1,688	1,739	1,791	9,711	7,718	18,263

\$20.0

\$15.0

\$10.0

\$5.0 \$0.0



Land Management Information System

Details:

Project Number: C02173 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2022

Referendum: n/a

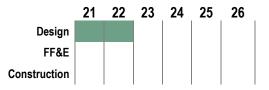
Background:

This project provides funding for the Land Management Information System (LMIS) replacement.

The budget for this project was originally included in the FY 2021 Capital Improvement Program (CIP) project entitled *Major Computer Systems*. As part of the FY 2022 CIP development process, the *Major Computer Systems* project was removed from the Budget Document, and the planned funding that made up the budget was reallocated to the individual projects to effectively administer and provide transparency for the use of funding.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	2,525	3,169	-	-	-	-	-	3,169	-	5,694
Furniture, Fixtures & Equip	5,737	-	-	-	-	-	-	-	-	5,737
Personnel	500	-	-	-	-	-	-	-	-	500
Contingency	1,400	-	-	-	-	-	-	-	-	1,400
Total Cost	10,162	3,169	-	-	-	-	-	3,169	-	13,331
Local Tax Funding	1,800	3,169	-	-	-	-	-	3,169	-	4,969
Lease Revenue Financing	8,362	-	-	-	-	-		-	-	8,362
Total Financing	10,162	3,169	-	-	-	-	-	3,169	-	13,331



Oracle Upgrades - Classification and Compensation

Details:
Project Number: C02240
Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2022

Referendum: n/a

Background:

This program plans for Oracle Human Resources and Payroll module modifications related to the County's Classification and Compensation project. Phase I updated the new salary grades for the County, Phase II will update Loudoun County Fire and Rescue's workweek conversion from 42 to 40/48, and Phase III will update the Oracle position title changes.

The budget for this project was originally included in the FY 2021 Capital Improvement Program (CIP) project entitled *Major Computer Systems*. As part of the FY 2022 CIP development process, the *Major Computer Systems* project was removed from the Budget Document, and individual Oracle Upgrade projects were created. The planned funding that made up the budget for the *Major Computer Systems* project was reallocated to the individual projects to effectively administer and provide transparency for the use of funding designated for Oracle Upgrade projects.

In addition, there was one Oracle project (C02240) which was used for budgeting all Oracle Upgrade projects. Funds were moved from the *Major Computer Systems* project during the fiscal year into this project. During the FY 2022 budget development, Prior Years funding, and FY 2021 funding was moved from this project into the newly created Oracle Upgrade projects to align the budgets.

List of new Oracle projects:

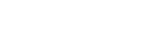
Oracle Upgrades - Financial Reporting Solutions project

Oracle Upgrades - Hosting Solution project

Oracle Upgrades – Hyperion project

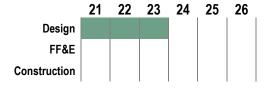
Oracle Upgrades - iRecruitment project

The annual cost for incremental operations and maintenance as a result of these projects will be incorporated into the Department of Information Technology's base operating budget.



Phase Costs in Millions





(Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	2,292				-	-	-	-	-	2,292
Total - Cost	2,292	-	-	-	-	-	-	-	-	2,292
Local Tax Funding	2,292	_		-	-	-	-	-	-	2,292
Total – Funding Sources	2,292	-	-	-	-	-	-	-	-	2,292



Oracle Upgrades - Financial Reporting Solutions

Details: Project Number: C02370 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2022

Referendum: n/a

Background:

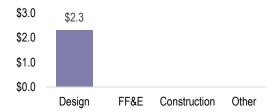
This program provides funding for the development of Oracle financial reporting solutions.

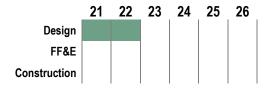
The budget for this project was originally included in the FY 2021 Capital Improvement Program (CIP) project entitled *Major Computer Systems*. As part of the FY 2022 CIP development process, the *Major Computer Systems* project was removed from the Budget Document, and individual Oracle Upgrade projects were created. The planned funding that made up the budget for the *Major Computer Systems* project was reallocated to the individual projects to effectively administer and provide transparency for the use of funding designated for Oracle Upgrade projects.

In addition, there was one Oracle project (C02240) which was used for budgeting all Oracle Upgrade projects. Funds were moved from the *Major Computer Systems* project during the fiscal year into this project. The scope of work and budget for Financial Reporting Solutions were originally included in the project. During the FY 2022 budget development, funding was moved from this project into the newly created Oracle Upgrade projects to align the budgets.

The annual cost for incremental operations and maintenance as a result of these projects will be incorporated into the Department of Information Technology's base operating budget.

Phase Costs in Millions





(Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	2,318	-	-	-	-	-	2,318	-	2,318
Total – Cost	-	2,318	-	-	-	-	-	2,318	-	2,318
Local Tax Funding	-	2,318	-	-	-	-	-	2,318	-	2,318
Total – Funding Sources	-	2,318	-	-	-	-	-	2,318	-	2,318



Oracle Upgrades - Hosting Solution

Details: Project Number: C02369 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2023

Referendum: n/a

Background:

This project provides funding for the migration of the current Oracle Hosting Solution to a Platform as a Service (PaaS) solution. A PaaS solution is a software distribution model in which a third-party vendor will host the Oracle application and provides access via the internet.

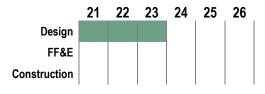
The budget for this project was originally included in the FY 2021 Capital Improvement Program (CIP) project entitled *Major Computer Systems*. As part of the FY 2022 CIP development process, the *Major Computer Systems* project was removed from the Budget Document, and individual Oracle Upgrade projects were created. The planned funding that made up the budget for the *Major Computer Systems* project was reallocated to the individual projects to effectively administer and provide transparency for the use of funding designated for Oracle Upgrade projects.

In addition, there was one Oracle project (C02240) which was used for budgeting all Oracle Upgrade projects. Funds were moved from the *Major Computer Systems* project during the fiscal year into this project. The scope of work and budget for the Hosting Solution were originally included in the project. During the FY 2022 budget development, funding was moved from this project into the newly created Oracle Upgrade projects to align the budgets.

The annual cost for incremental operations and maintenance as a result of these projects will be incorporated into the Department of Information Technology's base operating budget.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	536	727	125	-	-	-	1,388	-	1,388
Furniture, Fixtures & Equip	-	-	4,000	-	-	-	-	-	-	4,000
Contingency	-	-	475	13	-	-	-	488	-	488
Total Cost	-	536	5,202	138	-	-	-	5,876	-	5,876
Local Tax Funding	-	536	5,202	138	_	_	-	5,876	_	5,876
Total Financing	-	536	5,202	138		-	-	5,876	-	5,876



Oracle Upgrades - Hyperion

Details: Project Number: C02371

Election District: Countywide Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2023

Referendum: n/a

Background:

This project provides a funding plan for the Oracle Hyperion Enterprise Performance Management (EPM) module upgrade necessary to remain compliant and secure.

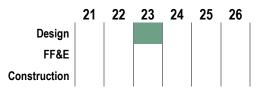
The budget for this project was originally included in the FY 2021 Capital Improvement Program (CIP) project entitled *Major Computer Systems*. As part of the FY 2022 CIP development process, the *Major Computer Systems* project was removed from the Budget Document, and individual Oracle Upgrade projects were created. The planned funding that made up the budget for the *Major Computer Systems* project was reallocated to the individual projects to effectively administer and provide transparency for the use of funding designated for Oracle Upgrade projects.

In addition, there was one Oracle project (C02240) which was used for budgeting all Oracle Upgrade projects. Funds were moved from the *Major Computer Systems* project during the fiscal year into this project. The scope of work and budget for Hyperion upgrades were originally included in the project. During the FY 2022 budget development, funding was moved from this project into the newly created Oracle Upgrade projects to align the budgets.

The annual cost for incremental operations and maintenance as a result of these projects will be incorporated into the Department of Information Technology's base operating budget.

Phase Costs in Millions





(Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services				600	-	-	-	600	-	600
Contingency	-	-	-	60	-	-	-	60	-	60
Total – Cost	-	-	-	660	-	-	-	660	-	660
Local Tax Funding				660	-	-	-	660	-	660
Total – Funding Sources	-	-	-	660	-	-	-	660	-	660



Oracle Upgrades - iRecruitment

Details: Project Number: C02368

Election District: Countywide Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2022

Referendum: n/a

Background:

This program plans for the replacement of the County's existing recruitment solution which will encompass integrating a solution with Oracle's Human Resources module.

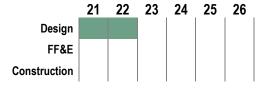
The budget for this project was originally included in the FY 2021 Capital Improvement Program (CIP) project entitled *Major Computer Systems*. As part of the FY 2022 CIP development process, the *Major Computer Systems* project was removed from the Budget Document, and individual Oracle Upgrade projects were created. The planned funding that made up the budget for the *Major Computer Systems* project was reallocated to the individual projects to effectively administer and provide transparency for the use of funding designated for Oracle Upgrade projects.

In addition, there was one Oracle project (C02240) which was used for budgeting all Oracle Upgrade projects. Funds were moved from the *Major Computer Systems* project during the fiscal year into this project. The scope of work and budget for iRecruitment were originally included in the project. During the FY 2022 budget development, funding was moved from this project into the newly created Oracle Upgrade projects to align the budgets.

The annual cost for incremental operations and maintenance as a result of these projects will be incorporated into the Department of Information Technology's base operating budget.

Phase Costs in Millions





	Prior							6 Year	Future	Project
(Capital (\$ in 1000s)	Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total	FYs	Total
Professional Services	-	2,354	-	-	-	-	-	2,354	-	2,354
Total – Cost	-	2,354	-	-	-	-	-	2,354	-	2,354
Local Tax Funding		2,354			-	-	-	2,354	-	2,354
Total – Funding Sources	•	2,354	-	-	-	-	-	2,354	-	2,354



PCI Replacement System

1 of Replacement dysten

Project Number: C02378 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2024

Referendum: n/a

Details:

Background:

This project provides funding to replace the County's current Payment Card Industry (PCI) Tax and Revenue system. A new tax and assessment system will provide increased operational efficiencies, a reduction in manual processes and workarounds, and a reduction in the amount of support required to maintain the application. The new systems will align with a cloud-first strategy for enterprise applications and will allow migration to a stable cloud- based enterprise application.

The annual cost for incremental operations and maintenance related to this project will be incorporated into the Department of Information Technology's base operating budget.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	375	-	775	-	-	1,150	-	1,150
Furniture, Fixtures & Equip	-	-	-	5,095	-	-	-	5,095	-	5,095
Contingency	-	-	-	615	-	-	-	615	-	615
Total Cost	-	-	375	5,710	775	-	-	6,860	-	6,860
Local Tax Funding	-	-	375	5,710	775	-	-	6,860	-	6,860
Total Financing	-	-	375	5,710	775	-	-	6,860	-	6,860



Public Safety - 911 Phone Switch Replacement

Details: Project Number: n/a

Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2024

Referendum: n/a

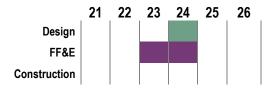
Background:

This project provides funding to replace the County's current E-911 phone switch. All emergency communications in the County transmit through the E-911 phone switch which makes it an essential piece of equipment for the health and safety of Loudoun's citizens.

The current E-911 phone switch was installed in the Emergency Communications Center and became fully operational in July 2015. The estimated lifespan for this mission-critical system is seven years.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	-	-	219	-	-	219	-	219
Furniture, Fixtures & Equip	-	-	-	350	2,543	-	-	2,893	-	2,893
Contingency	-	-	-	-	282	-	-	282	-	282
Total Cost	-	-	-	350	3,044	-	-	3,394	-	3,394
Local Tax Funding	-	-	-	350	3,044	-	-	3,394	-	3,394
Total Financing	-	-	-	350	3,044	-	-	3,394	-	3,394



Other

Public Safety - Handheld Radio Replacements

Details: Project Number: C02379 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2022

Referendum: n/a

Background:

This project provides funding to replace approximately 1,600 handheld radios, which includes the replacement of 115 radios for the Town of Leesburg, and over 800 battery chargers currently in use by Fire and Rescue and the Sheriff's Office.

Handheld radios have an estimated lifespan of seven years; the replacement of the battery chargers is due to technology updates requiring replacement.

The project budget increased during the FY 2022 budget development process to include additional funding for control stations, battery chargers, and lapel mics which were not included in the original project budget. In addition, there was an increase for contingency funding.



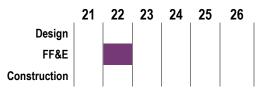
FF&E

Design



Construction

Phase Costs in Millions



Capital (\$ in 1000s)		Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Furniture, Fixtures & E	quip	-	-	10,715	-	-	-	-	10,715	-	10,715
Contingency		-	-	536	-	-	-	-	536	-	536
	Total Cost	-	-	11,251	-	-	-	-	11,251	-	11,251
Local Tax Funding		-	-	11,251	-	-	-	-	11,251	-	11,251
Total	Financing		-	11,251	-	-	-	-	11,251	-	11,251



Other

Phase Costs in Millions

Construction

Public Safety - Radio Tower Expansion Program

Details: Project Number: C02218 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: Ongoing

Referendum: n/a

Background:

This project provides funding for the installation of additional Public Safety Radio Towers that are needed to provide required radio coverage for First Responders based on the findings of a coverage study that was managed by the Department of Information and Technology.

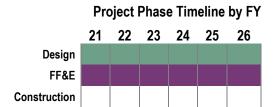
The first phase of this project identified the need for nine additional towers in various locations throughout the County. The second phase includes the installation of the new towers as identified in the coverage study which will begin in FY 2021 and continue every two years.

Due to population growth within the County, it is expected that additional Public Safety Radio Towers are needed to provide the required radio coverage for First Responders. Future funding for this program will be re-evaluated based on updated requirements.



FF&E

Design



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	1,400	386	159	-	169	-	179	893	392	2,685
Furniture, Fixtures & Equip	600	-	2,536	-	2,690	-	2,854	8,080	6,240	14,920
Contingency		19	135	-	143	-	152	449	332	781
Total Cost	2,000	405	2,830	-	3,002		3,185	9,422	6,964	18,386
Local Tax Funding	2,000	405	2,830	-	3,002	-	3,185	9,422	6,964	18,386
Total Financing	2,000	405	2,830	-	3,002	-	3,185	9,422	6,964	18,386



Public Safety Redundant Master/Prime Site

Details:

Project Number: C02174 Election District: Countywide Square Feet: n/a

Square Feet: n/a Location: Countywide Completion Year: FY 2022 Referendum: n/a

Background:

This project provides funding to build a geographically redundant master/prime site which will allow the County's radio system to operate normally in the event of a failure at a single master/prime site.

The Department of Information Technology is working with the Department of General Services to find a commercial data center space that can be leased by the County to serve as the redundant site.

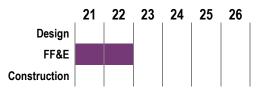
The lease cost is an operating expense and is included in DIT's base budget.



Phase Costs in Millions



\$6.0



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Furniture, Fixtures & Equip	3,075	-	1,008			-	-	1,008		4,083
Total Cost	3,075	-	1,008	-	-	-		1,008	-	4,083
Local Tax Funding	3,075	-	1,008	-	-	-	-	1,008	-	4,083
Total Financing	3,075	-	1,008	-	-	-	-	1,008	-	4,083



Public Safety - School Radio Coverage Program

Details: Project Number: C02217 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2026

Referendum: n/a

Background:

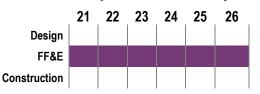
This project provides funding to purchase and install Bi-Directional Amplifiers (BDAs) in public school buildings to provide Public Safety radio coverage for the school resource officers.

Funding is based on a coverage study that was administered by the Department of Information and Technology which identified the location of schools that needed boosters and determined the proper replacement schedule of existing BDAs.

The project budget was revised during the FY 2022 CIP budget development process to include planned funding for the remaining phases of project implementation for FY 2022, FY 2023, FY 2024, FY 2025, and FY 2026.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	500	-	-	-	-	-	-	-	-	500
Furniture, Fixtures & Equip	600	600	1,000	1,000	1,000	1,000	1,000	5,600	-	6,200
Contingency	-	60	100	100	100	100	100	560	-	560
Total Cost	1,100	660	1,100	1,100	1,100	1,100	1,100	6,160	-	7,260
Local Tax Funding	1,100	660	1,100	1,100	1,100	1,100	1,100	6,160	-	7,260
Total Financing	1,100	660	1,100	1,100	1,100	1,100	1,100	6,160	-	7,260



Remote Site Connectivity

remote one connectivity

Project Number: C02377

Election District: Blue Ridge & Catoctin

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2023

Referendum: n/a

Details:

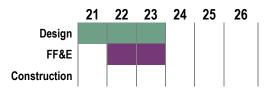
Background:

This project provides funding to support the County's Proposed Broadband Strategic Plan which will increase broadband and cellular access in western Loudoun County by constructing fiber. This effort will provide broadband infrastructure connectivity to private carriers in western Loudoun County, and will include the Bluemont Community Center, Philomont Community Center, Philomont Fire & Rescue, Loudoun Heights Fire & Rescue, and Loudoun Heights Public Safety Radio Tower.

The project budget was accelerated when developing the FY 2022 budget which resulted in a decrease for the project total because escalation costs were removed.

Phase Costs in Millions





Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	_	191	3,818	-	-	-	-	4,009	-	4,009
Fumiture, Fixtures & Equip	-	-	58	-	-	-	-	58	-	58
Contingency	-	-	433	-	-	-	-	433	-	433
Total Cost	-	191	4,309	-	-	-	-	4,500	-	4,500
Local Tax Funding	-	191	4,309	-	-	-	-	4,500	-	4,500
Total Financing	-	191	4,309	-	-	-	-	4,500	-	4,500



School Bus Radio Replacements – Project Management

Details: Project Number: C02380 Election District: Countywide

Square Feet: n/a Location: Countywide

Estimated Completion Year: FY 2022

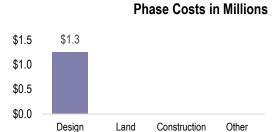
Referendum: n/a

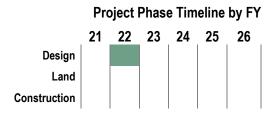
Background:

This project provides funding for the project management costs associated with updating the Loudoun County Public Schools' (LCPS) radio system to the latest standards which will enhance the service and coverage at LCPS radio sites and for end users of the system.

Loudoun County Public Schools' (LCPS) radio infrastructure is comprised of eight separate radio sites that provide countywide radio coverage for over 1,000 users. The radio system handles an average of 60,000 radio transmissions per month for school buses alone, provides communications for support staff, and provides alert radio transmissions for schools.

This scope of work was originally budgeted in the LCPS School Bus Radio Replacements and UHF System Upgrade project. To effectively administer and manage the project management scope, a separate project was created, and the budget was moved from the LCPS project into this project to align the budgets.





	Prior							6 Year	Future	Project
Capital (\$ in 1000s)	Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total	FYs	Total
Professional Services	-	-	1,250	-	-	-	-	1,250	1,250	1,250
Total Cost		-	1,250	-	-	-	-	1,250	1,250	1,250
Local Tax Funding	-	-	1,250	-	-	-	-	1,250	1,250	1,250
Total Financing	-	-	1,250	-	-	-	-	1,250	1,250	1,250