

**CITY OF CORAL GABLES**  
**FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN**  
**PROJECT SUMMARY & FUNDING SOURCES: CAPITAL EQUIPMENT**

**CAPITAL EQUIPMENT PROJECT PARAMETERS**

The replacement or upgrade of capital equipment necessary for the continuity of City operations.

**CAPITAL EQUIPMENT PROJECTS BY YEAR**

PAGE #	PROJECT NAME	FIVE-YEAR ESTIMATE								FIVE-YEAR PROJECT TOTAL
		2023				2024	2025	2026	2027	
		PR YR AVAIL	OPEN P.O.	NEW	TOTAL					
15	Network Infrastructure Matrix	\$ 797,229	\$ 315,789	\$ 1,638,840	\$ 2,751,858	\$ 1,777,937	\$ 1,777,937	\$ 1,777,937	\$ 1,777,937	\$ 9,863,606
17	Emergency Generator Installation	600,190	33,500	-	633,690	350,000	350,000	350,000	350,000	2,033,690
19	Recycling Containers in Parks & ROW	140,474	-	-	140,474	-	-	-	-	140,474
21	WI-FI Capital Improvement Project	2,117,672	97,394	822,750	3,037,816	-	-	-	-	3,037,816
23	LPR/Speed Trailers	-	-	-	-	100,000	50,000	50,000	50,000	250,000
24	Public Art Restoration Matrix	-	76,800	269,653	346,453	52,580	53,369	54,170	54,983	561,555
<b>TOTAL</b>		<b>\$ 3,655,565</b>	<b>\$ 523,483</b>	<b>\$ 2,731,243</b>	<b>\$ 6,910,291</b>	<b>\$ 2,280,517</b>	<b>\$ 2,231,306</b>	<b>\$ 2,232,107</b>	<b>\$ 2,232,920</b>	<b>\$ 15,887,141</b>

**CAPITAL EQUIPMENT PROJECTS BY FUNDING SOURCE**

PROJECT NAME	GEN CAP IMPR	ARTS IN PUBLIC PLACES	TROLLEY /TRANS	CG IMPACT FEES	MOTOR POOL	FIVE-YEAR PROJECT TOTAL
Network Infrastructure Matrix	\$ 9,863,606	\$ -	\$ -	\$ -	\$ -	\$ 9,863,606
Emergency Generator Installation	1,427,796	-	524,099	81,605	190	2,033,690
Recycling Containers in Parks & ROW	140,474	-	-	-	-	140,474
WI-FI Capital Improvement Project	3,037,816	-	-	-	-	3,037,816
LPR/Speed Trailers	250,000	-	-	-	-	250,000
Public Art Restoration Matrix	-	561,555	-	-	-	561,555
<b>TOTAL</b>	<b>\$ 14,719,692</b>	<b>\$ 561,555</b>	<b>\$ 524,099</b>	<b>\$ 81,605</b>	<b>\$ 190</b>	<b>\$ 15,887,141</b>

**RELATED OPERATING COST FOR CAPITAL EQUIPMENT PROJECTS**

EXPENSE TYPE	FIVE-YEAR ESTIMATE					FIVE-YEAR PROJECT TOTAL
	2023	2024	2025	2026	2027	
Network Infrastructure Matrix						-
Personnel Services	2,841,617	2,912,657	2,985,474	3,060,111	3,136,613	14,936,472
Other Than Personnel Services	5,385,663	5,493,376	5,603,244	5,715,309	5,829,615	28,027,207
LPR/Speed Trailers						
Personnel Services	-	-	-	-	-	-
Other Than Personnel Services	-	15,000	15,000	15,000	15,000	60,000
Emergency Generator Installation						
Personnel Services	-	-	-	-	-	-
Other Than Personnel Services	6,500	6,500	6,500	6,500	6,500	32,500
Recycling Containers in Parks & ROW						
Personnel Services	-	-	-	-	-	-
Other Than Personnel Services	19,000	19,000	19,000	19,000	19,000	95,000
<b>TOTAL RELATED OPERATING COST</b>	<b>\$ 8,252,780</b>	<b>\$ 8,446,534</b>	<b>\$ 8,629,218</b>	<b>\$ 8,815,919</b>	<b>\$ 9,006,728</b>	<b>\$ 43,151,179</b>

**CITY OF CORAL GABLES  
FISCAL YEAR 2023-2027 FIVE YEAR CAPITAL IMPROVEMENT PLAN  
CAPITAL IMPROVEMENT PROJECT DETAIL**

<b>PROJECT NAME:</b>	<b>Network Infrastructure Upgrade Matrix</b>		
<b>REQUESTING DEPARTMENT</b>	Information Technology		
<b>PROJECT LOCATION:</b>	Citywide		
<b>PROJECT TYPE:</b>	Capital Equipment Repl/Upgrade	<b>PROJECT ACCOUNTING NAME:</b>	c-nw-infra
<b>PRIORITY TYPE:</b>	Other (Described Below)		

<b>DESCRIPTION</b>	Life-cycle replacement and refresh of Network, Telecommunications, Computer, Enterprise Systems, Software, Smart City and Public Safety Technology (citywide in-building, outside plant, and cloud IT hardware and software infrastructure). This program includes: switching/routing/filtering/security components and voice/video/data gateways required for the City's Network provisioning, servers/computers/storage/database/application systems, as well as CCTV and ALPR cameras, IoT street sensors, antennas, and other outside plant. This infrastructure will provide enough capacity to enable performance and functionalities in the City to support current and projected business needs, 911 and emergency operations for all city facilities and citizen services.		
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<b>JUSTIFICATION</b>	The existing infrastructure components require life-cycle replacement/upgrades/enhancements to maintain operability, maintainability, relevance and functionalities. Systems need to be decommissioned after they reach their manufacturer end-of-life or end-of-maintenance age to avoid performance problems, service interruptions, failures, obsolescence of technology and features, lack of parts and support from the vendors. This program is updated as technology and needs evolve.		
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PROJECT ESTIMATES		HISTORICAL EXPENSES	
PHASE/FACILITY	PRIOR YRS EXPENSES	2022 EXPENSES	
I.T. Equipment Replacement Matrix	\$ 6,868,689	\$ 3,267,442	
<b>TOTAL PROJECT</b>	<b>\$ 6,868,689</b>	<b>\$ 3,267,442</b>	

FIVE-YEAR ESTIMATE									FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	TOTAL	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL						
\$ 797,229	\$ 315,789	\$ 1,638,840	\$ 2,751,858	\$ 1,777,937	\$ 1,777,937	\$ 1,777,937	\$ 1,777,937	\$ 9,863,606	
			-					-	
			-					-	
			-					-	
<b>\$ 797,229</b>	<b>\$ 315,789</b>	<b>\$ 1,638,840</b>	<b>\$ 2,751,858</b>	<b>\$ 1,777,937</b>	<b>\$ 1,777,937</b>	<b>\$ 1,777,937</b>	<b>\$ 1,777,937</b>	<b>\$ 9,863,606</b>	

FUNDING SOURCE		HISTORICAL EXPENSES	
FUND #	FUNDING TYPE	PRIOR FUNDING	2022 FUNDING
310	Gen. Capital Improvement	\$ 6,868,689	\$ 3,267,442
<b>TOTAL FUNDING</b>		<b>\$ 6,868,689</b>	<b>\$ 3,267,442</b>

FIVE-YEAR ESTIMATE									FIVE-YEAR PROJECT TOTAL
2023				2024	2025	2026	2027	TOTAL	
PR YR AVAIL	OPEN P.O.	NEW	TOTAL						
\$ 797,229	\$ 315,789	\$ 1,638,840	\$ 2,751,858	\$ 1,777,937	\$ 1,777,937	\$ 1,777,937	\$ 1,777,937	\$ 9,863,606	
			-					-	
			-					-	
			-					-	
<b>\$ 797,229</b>	<b>\$ 315,789</b>	<b>\$ 1,638,840</b>	<b>\$ 2,751,858</b>	<b>\$ 1,777,937</b>	<b>\$ 1,777,937</b>	<b>\$ 1,777,937</b>	<b>\$ 1,777,937</b>	<b>\$ 9,863,606</b>	

RELATED OPERATING COST		
FUND #	FUNDING TYPE	OPERATING EXPENSE TYPE
<b>PERSONAL SERVICES</b>		
001	General Fund	Full Time Salaries
001	General Fund	Part Time Salaries
001	General Fund	Employee Benefits
<b>TOTAL PERSONNEL</b>		
<b>OTHER THAN PERSONAL SERVICES</b>		
001	General Fund	Professional Services
001	General Fund	Other Operating Expenses
001	General Fund	Operating Capital Equip.
<b>TOTAL OTHER THAN PERSONNEL</b>		
<b>TOTAL RELATED OPERATING COST</b>		

FIVE-YEAR ESTIMATE					
2023	2024	2025	2026	2027	PROJECT TOTAL
\$ 1,669,459	\$ 1,711,195	\$ 1,753,975	\$ 1,797,825	\$ 1,842,770	\$ 8,775,225
202,603	207,668	212,860	218,181	223,636	1,064,948
969,555	993,794	1,018,639	1,044,105	1,070,207	5,096,300
					-
					-
2,841,617	2,912,657	2,985,474	3,060,111	3,136,613	14,936,472
641,575	654,407	667,495	680,845	694,461	\$ 3,338,782
4,736,588	4,831,320	4,927,946	5,026,505	5,127,035	24,649,394
7,500	7,650	7,803	7,959	8,118	39,030
					-
					-
5,385,663	5,493,376	5,603,244	5,715,309	5,829,615	28,027,207
<b>\$ 8,227,280</b>	<b>\$ 8,406,034</b>	<b>\$ 8,588,718</b>	<b>\$ 8,775,419</b>	<b>\$ 8,966,228</b>	<b>\$ 42,963,679</b>









