



# HVAC/Elec Replacement: MCG

(P508941)

Category	General Government	Date Last Modified	01/09/20
SubCategory	County Offices and Other Improvements	Administering Agency	General Services
Planning Area	Countywide	Status	Ongoing

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	4,500	897	993	2,610	435	435	435	435	435	435	-
Site Improvements and Utilities	2,657	2,657	-	-	-	-	-	-	-	-	-
Construction	23,574	5,382	3,102	15,090	2,515	2,515	2,515	2,515	2,515	2,515	-
<b>TOTAL EXPENDITURES</b>	<b>30,731</b>	<b>8,936</b>	<b>4,095</b>	<b>17,700</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
G.O. Bonds	30,731	8,936	4,095	17,700	2,950	2,950	2,950	2,950	2,950	2,950	-
<b>TOTAL FUNDING SOURCES</b>	<b>30,731</b>	<b>8,936</b>	<b>4,095</b>	<b>17,700</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>2,950</b>	<b>-</b>

## OPERATING BUDGET IMPACT (\$000s)

Impact Type	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
Energy	(816)	(136)	(136)	(136)	(136)	(136)	(136)
<b>NET IMPACT</b>	<b>(816)</b>	<b>(136)</b>	<b>(136)</b>	<b>(136)</b>	<b>(136)</b>	<b>(136)</b>	<b>(136)</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 21 Request	2,950	Year First Appropriation	FY96
Appropriation FY 22 Request	2,950	Last FY's Cost Estimate	24,831
Cumulative Appropriation	13,031		
Expenditure / Encumbrances	10,009		
Unencumbered Balance	3,022		

## PROJECT DESCRIPTION

This project provides for the orderly replacement/renovation of outdated Heating, Ventilation, and Air Conditioning (HVAC) systems and electrical systems in County buildings. The Department of General Services (DGS) currently oversees, monitors, and provides services for operation of the mechanical, electrical, and fire protection systems of 250 County facilities with approximately 12 million square feet of occupied space. The project requires periodic condition assessments and renovation of the HVAC, plumbing, electrical, and control systems and equipment; overhauling the air distribution systems; and electrical service upgrades.

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## ESTIMATED SCHEDULE

FY21: Colesville Health Center (HVAC renovation), Midcounty Recreation Center, Montgomery County Correctional Facility (MCCF), AFI Theater. FY22: Glen Echo Park, MCCF (heating plant interconnection), Public Safety Headquarters (building automation system), Brookville Depot.

## COST CHANGE

Addition of FY25 and FY26 to this level-of-effort project.

## PROJECT JUSTIFICATION

Many HVAC, plumbing, and electrical systems in County-owned buildings are outdated and well beyond economical repair, particularly in buildings which have not been renovated in many years. In the life of the buildings, the HVAC, plumbing, and electrical systems require major renovation or replacement at least once every 25 years. These renovations will not only significantly extend the life of the County buildings, but convert the old mechanical/electrical systems to state-of-the-art energy efficient systems which improves indoor air quality. It conserves energy and saves resources. The criteria for selecting the County facilities for systems renovation or replacement include: mechanical/electrical systems degradation, high maintenance costs, high energy consumption, current code compliance, indoor air quality, and major change of the functional use of the building. Occupational Safety and Health Administration (OSHA) has issued proposed rules for providing quality of indoor air in the work place (OSHA 29 CFR parts 1910, 1915, and 1926). The rules require indoor air quality (IAQ) compliance plans to be implemented. The results of a facility condition assessment of 73 County facilities completed by a consultant in FY05, FY06 and FY07 have been used to prioritize the program. The March 2010 Report of the Infrastructure Maintenance Task Force identified an annual level of effort for HVAC/electrical replacement based on a 25 year life span.

## DISCLOSURES

Expenditures will continue indefinitely.

## COORDINATION

Department of General Services.