



Energy Conservation: MCG

(P507834)

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	421	124	99	198	33	33	33	33	33	33	-
Land	23	23	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	235	-	235	-	-	-	-	-	-	-	-
Construction	2,742	1,058	982	702	117	117	117	117	117	117	-
Other	6,700	4	6	6,690	2,230	2,230	2,230	-	-	-	-
TOTAL EXPENDITURES	10,121	1,209	1,322	7,590	2,380	2,380	2,380	150	150	150	-

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
Current Revenue: General	4	-	4	-	-	-	-	-	-	-	-
G.O. Bonds	2,159	433	826	900	150	150	150	150	150	150	-
State Aid	449	-	449	-	-	-	-	-	-	-	-
Utility Incentives	7,509	776	43	6,690	2,230	2,230	2,230	-	-	-	-
TOTAL FUNDING SOURCES	10,121	1,209	1,322	7,590	2,380	2,380	2,380	150	150	150	-

OPERATING BUDGET IMPACT (\$000s)

Impact Type	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26
Energy	(240)	(40)	(40)	(40)	(40)	(40)	(40)
NET IMPACT	(240)	(40)	(40)	(40)	(40)	(40)	(40)

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 21 Request	2,380	Year First Appropriation	FY78
Appropriation FY 22 Request	2,380	Last FY's Cost Estimate	3,131
Cumulative Appropriation	2,531		
Expenditure / Encumbrances	1,483		
Unencumbered Balance	1,048		

PROJECT DESCRIPTION

The project supports efforts yielding rapid financial returns to the County or substantial progress towards established environmental goals, such as energy savings, renewable energy installations, greenhouse gas reductions, and waste diversion. The County conducted energy assessments and other analysis to identify resource and cost savings opportunities in County facilities that will inform project scheduling. In addition, the County is preparing a comprehensive sustainability plan with specific programs and actions to reduce the environmental footprint of County operations and reduce costs. This project will provide funds to target rapid return on investment energy conservation projects; provide ancillary funds to support the installation of solar photovoltaic systems on County facilities; augment other energy conservation projects (e.g., funding incremental costs of higher efficiency equipment); support energy and sustainability master planning for County facilities and operations; leverage federal, state, and local grant funding; and provide funds to leverage public-private partnerships and third-party resources.

ESTIMATED SCHEDULE

Projects are identified and scheduled based on energy savings potential, reduced maintenance costs, overall cost savings, and quantifiable environmental benefits.

COST CHANGE

Cost increase of \$6.7M to reflect programming of Public Building Green Performance (Exelon/Pepco Order No. 86990) revolving funds and the addition of FY25 and FY26 to this level-of-effort-project.

PROJECT JUSTIFICATION

This program is integral to the County's cost-containment efforts. Generally, projects will pay for themselves in one to ten years, with short payback initiatives being targeted to reduce pressure on the FY19 and FY20 operating budgets. The program also funds incremental costs in staff, planning, contractor support, analytics and other efforts to increase the impact of the County's overall energy and sustainability projects. The program is necessary to fulfill the mandate of the County's building energy design standards (8-14a), Council Bill 2-14 Energy Performance Benchmarking, Council Bill 5-14 Social Cost of Carbon, Council Bill 6-14 Office of Sustainability, and Council Bill 8-14 Renewable Energy Technology. Significant reductions in energy consumption, greenhouse gas emissions, solid waste, water consumption, and maintenance are expected.

FISCAL NOTE

\$6.7M of Public Building Green Performance (Exelon/Pepco Order No. 86990) revolving funds are programmed in this project to fund various County building improvements. A FY18 supplemental of \$819,000 in Utility Incentives was approved.

DISCLOSURES

Expenditures will continue indefinitely. The County Executive asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Department of General Services, - Advanced Energy Initiative, and Energy Modernization Program.