

Category Montgomery College Date Last Modified 10/03/17

SubCategory Higher Education Administering Agency Montgomery College

Planning Area Countywide Status Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	2,502	1,920	102	480	80	80	80	80	80	80	-
Site Improvements and Utilities	59	59	-	-	-	-	-	-	-	-	-
Construction	3,025	2,705	50	270	45	45	45	45	45	45	-
Other	132	132	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	5,718	4,816	152	750	125	125	125	125	125	125	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Federal Aid	49	49	-	-	-	-	-	-	-	-	-
G.O. Bonds	3,480	2,690	136	654	109	109	109	109	109	109	-
Current Revenue: General	2,138	2,026	16	96	16	16	16	16	16	16	-
State Aid	51	51	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	5,718	4,816	152	750	125	125	125	125	125	125	-

OPERATING BUDGET IMPACT (\$000s)

Impact Type	Total 6 Years	F Y 1 U	FY 20	FY 21	FY 22	FY 23	FY 24
Maintenance	(2,820)	(420)	(440)	(460)	(480)	(500)	(520)
Energy	(7,410)	(1,110)	(1,160)	(1,210)	(1,260)	(1,310)	(1,360)
NET IMPACT	(10,230)	(1,530)	(1,600)	(1,670)	(1,740)	(1,810)	(1,880)
FULL TIME EQUIVALENT (FTE)		1	1	1	1	1	1

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	125	Year First Appropriation	FY81
Appropriation FY 20 Request	125	Last FY's Cost Estimate	5,468
Cumulative Appropriation	4,968		
Expenditure / Encumbrances	4,907		
Unencumbered Balance	61		



Project Description

This project provides funding to (1) continue development of a Collegewide energy management program, (2) implement life-cycle cost effective energy conservation measures based upon energy audits, and (3) review new building/renovation designs for compliance with Montgomery County Code, Ch. 8 Building Energy Performance Standards. Typical project activities include retrofits and modifications of lighting, controls, and HVAC equipment; building envelope modifications; solar energy retrofits; computer equipment for equipment control and energy-use monitoring; HVAC system evaluation/balancing studies; long-range energy/utility planning studies; central plant design plans (Germantown, Rockville, Takoma Park/Silver Spring); and waste management studies. Typical payback on lighting, controls, HVAC and solar energy modifications is five to six years. This project includes one staff position for a Utility Analyst which is in response to increased workload associated with the energy and utility functions, but also the design reviews of major projects, planned lifecycle asset replacements, and capital renewals, as well as complying with laws.

Cost Change

Increase due to addition to FY23, and FY24.

Project Justification

As mandated by Ch. 8 of the County Code and supported by the College, County Council, the Interagency Committee on Energy & Utility Management (ICEUM), and the Citizens Energy Conservation Advisory Committee (ECAC), an energy cost reduction program has been developed. This program consists of energy audits performed by College staff to identify life cycle cost effective retrofits, including a lighting retrofit program, LEED certification, etc.

Other

FY19 Appropriation: Total - \$125,000; \$109,000 (G.O. Bonds), and \$16,000 (Current Revenue: General). FY20 Appropriation: Total - \$125,000; \$109,000 (G.O. Bonds), and \$16,000 (Current Revenue: General). The following fund transfers have been made from this project: \$21,420 to Central Plant Distribution System project (#P886676) (BOT Resolution #90-102, 6/18/90); \$70,000 to Fine Arts Renovation (#P906601) (BOT Resolution #94-114, 9/19/94), \$7,000 to Planning, Design & Construction project (#P906605) (BOT Resolution #01-153, 10/15/01), and \$200,000 to Germantown Bioscience Education Center Project (#P056603)(BOT Resol. #12-06-036, 6/11/12). Beginning in FY98, the portion of this project funded by County Current Revenues migrated to the College's Operating Budget. It is anticipated that migration of this portion of the project will promote a desirable consistency with County budgeting practices and encourage greater competition in an environment of scarce resources. Reflecting the migration of this portion of the project, the College's Operating Budget includes funds for this effort. New construction and building renovation projects under review during FY19-20 include planning for new buildings on the Rockville and Takoma Park/Silver Spring campuses. Campus utilities master plans are currently being updated to conform to the approved Facilities Master Plan 2013-2023 (2/16).

Disclosures

Expenditures will continue indefinitely. Montgomery College 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

This project is coordinated with the scheduled building renovations, and the planned construction of new buildings, on the Rockville, Germantown, and Takoma Park/Silver Spring Campuses., ICEUM & ECAC, Facility Planning: College (CIP No. P886686), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664)