

EXECUTIVE RECOMMENDATION

Energy Conservation: College (P816611)

Project Category	Montgomery College	Date Last Modified	11/17/14
Project SubCategory	Higher Education	Required Adequate Public Facility	No
Project Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Project Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
Planning, Design and Supervision	2,342	1,782	80	480	80	80	80	80	80	80	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	59	59	0	0	0	0	0	0	0	0	0
Construction	2,935	2,620	45	270	45	45	45	45	45	45	0
Other	132	132	0	0	0	0	0	0	0	0	0
Total	5,468	4,593	125	750	125	125	125	125	125	125	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	2,106	1,994	16	96	16	16	16	16	16	16	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	3,262	2,499	109	654	109	109	109	109	109	109	0
State Aid	51	51	0	0	0	0	0	0	0	0	0
Total	5,468	4,593	125	750	125	125	125	125	125	125	0

COMPARISON (\$000s)

	Total	Thru FY15	Est FY16	6YR Total	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Bey 6Yr	FY17 Approp.
Current Approved	5,218	4,593	125	500	125	125	125	125	0	0	0	0
Agency Request	5,468	4,593	125	750	125	125	125	125	125	125	0	125
Recommended	5,468	4,593	125	750	125	125	125	125	125	125	0	125

Change	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	250	4.8%	250	50.0%	125	0.0%
Recommended vs Approved	250	4.8%	250	50.0%	125	0.0%
Recommended vs Request	0	0.0%	0	0.0%	0	0.0%

Recommendation

Approve with modifications.

Comments

The Executive supports the requested level of spending for the program but recommends maintaining for the FY17-22 Capital Improvement Program (CIP) the funding split adopted by the County Council in the FY15-20 Amended CIP of \$16,000 in Current Revenue: General and \$109,000 in G.O. Bonds. This will ensure that spending on personnel costs that are ineligible for G.O. Bond expenditures are covered by an appropriate funding source.

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Category: Montgomery College
 Sub Category: Higher Education
 Administering Agency: Montgomery College (AAGE15)
 Planning Area: Countywide

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,342	1,782	80	480	80	80	80	80	80	80	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	59	59	0	0	0	0	0	0	0	0	0
Construction	2,935	2,620	45	270	45	45	45	45	45	45	0
Other	132	132	0	0	0	0	0	0	0	0	0
Total	5,468	4,593	125	750	125	125	125	125	125	125	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	2,010	1,994	16	0	0	0	0	0	0	0	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	3,358	2,499	109	750	125	125	125	125	125	125	0
State Aid	51	51	0	0	0	0	0	0	0	0	0
Total	5,468	4,593	125	750	125	125	125	125	125	125	0

OPERATING BUDGET IMPACT (\$000s)

Energy				-6,810	-1,010	-1,060	-1,110	-1,160	-1,210	-1,260
Maintenance				-2,580	-380	-400	-420	-440	-460	-480
Net Impact				-9,390	-1,390	-1,460	-1,530	-1,600	-1,670	-1,740
Full Time Equivalent (FTE)					1.0	1.0	1.0	1.0	1.0	1.0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	125
Appropriation Request Est.	FY 18	125
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,718
Expenditure / Encumbrances		4,643
Unencumbered Balance		75

Date First Appropriation	FY 81	
First Cost Estimate		
Current Scope	FY 17	5,468
Last FY's Cost Estimate		5,218
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

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 the addition of FY21 and FY22.

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

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FY2017 Appropriation: \$125,000 (G.O. Bonds). FY2018 Appropriation: \$125,000 (G.O. Bonds). 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 FY14-15 include planning for new buildings on the Rockville and Germantown campuses. Campus utilities master plans are currently being updated to conform to the approved Facilities Master Plan Update (1/15). This project is also coordinated with the Collegewide Facilities Condition Assessment Update (12/13).

Disclosures

Expenditures will continue indefinitely.

Montgomery College (A15) asserts that this project conforms to the requirements 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)