



Collegewide Central Plant and Distribution Systems

(P662001)

Category	Montgomery College	Date Last Modified	10/02/25
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Under Construction

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY25	Est FY26	Total 6 Years	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Beyond 6 Years
Planning, Design and Supervision	1,300	332	368	600	100	100	100	100	100	100	-
Construction	15,811	5,798	3,113	6,900	900	1,400	900	1,400	900	1,400	-
TOTAL EXPENDITURES	17,111	6,130	3,481	7,500	1,000	1,500	1,000	1,500	1,000	1,500	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY25	Est FY26	Total 6 Years	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Beyond 6 Years
G.O. Bonds	12,000	2,895	3,105	6,000	1,000	1,000	1,000	1,000	1,000	1,000	-
State Aid	5,111	3,235	376	1,500	-	500	-	500	-	500	-
TOTAL FUNDING SOURCES	17,111	6,130	3,481	7,500	1,000	1,500	1,000	1,500	1,000	1,500	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 27 Request	1,000	Year First Appropriation	FY20
Appropriation FY 28 Request	1,500	Last FY's Cost Estimate	14,611
Cumulative Appropriation	9,611		
Expenditure / Encumbrances	5,942		
Unencumbered Balance	3,669		

PROJECT DESCRIPTION

This project provides for the design and construction of new and renovation and expansion of existing central heating and cooling plants on the College's three campuses as recommended in the College's campus utilities master plan (12/12, and 2/13). The plan for a campus central plant, and distribution systems was included in the campus facilities master plan update (6/18). The project includes installation of boilers and chillers with associated equipment, the provision of natural gas service, and the construction of a hot water and chilled water distribution piping system to new and existing campus buildings.

COST CHANGE

Increase due to addition of FY31 and FY32 funding requests.

PROJECT JUSTIFICATION

This project implements the recommendations of the campus utilities master plan (6/22) and campus facilities master plan. The campus' existing heating and cooling equipment is typically 20-30 years old and beyond its useful economic life. Due to the age of the equipment and increasing maintenance problems and costs, each campus is experiencing a significant increase in mechanical system problems and heating/cooling outages. Based on a life cycle cost analysis, the installation of a central heating/cooling plant offers significant equipment replacement, energy and maintenance savings to the College.

Collegewide Utilities Master Plan (6/22), Montgomery College Strategic Plan, Collegewide Facilities Master Plan (1/24), Facilities Condition Assessment (1/23).

OTHER

FY27 Appropriation: \$1,000,000; (\$1,000,000 (G.O. Bonds) and \$0 (State Aid)). FY28 Appropriation: \$1,500,000; (\$1,000,000 (G.O. Bonds), and \$500,000 (State Aid). The need to provide new systems for heating and cooling campus buildings was articulated in the utilities master plan and satisfying this requirement is critical to new building construction and the planned renovation of the existing campus buildings.

DISCLOSURES

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.