I. Major Research and Public Service Activities

See Appendix A

J. Major Capital Projects Underway in Fiscal 2007

Projects Under Construction

Aquifer Thermal Energy Storage (ATES) System

The Aquifer Thermal Energy Storage (ATES) System entails the pumping of water from an aquifer through a cooling tower in the winter to reduce the 55-degree Fahrenheit aquifer water to approximately 42-degrees Fahrenheit or colder and then stores it at another location in cold wells within the same aquifer. During the summer months, the water in the cold wells will be used to cool the buildings on the chilled water system without running the chillers and cooling towers. Only the energy from pumps and fans are required to cool the buildings. This is estimated to be 15-30 times more energy efficient then conventional cooling. Currently there are approximately 200 aquifer storage systems operating in Europe. When implemented, this will be the first of its kind successfully installed in the United States. This project is scheduled for completion in fall 2007.

Housing V, Phase I

This project consists of the construction of four (4) residential buildings that will house 256 students. Each suite will have four single bedrooms, a mini-kitchen, restroom and living room.

There will also be larger communal lounges as well as laundry facilities on site. Construction of Phase I is scheduled to be completed in January 2008.

Housing V, Phase II

This project consists of the construction of two (2) additional residential building that will house 130 students. Construction is scheduled to be complete in May 2008.

Parkway Building Roof Replacement and HVAC Improvements

This project entails the replacement of the Parkway Building roof and replacement of the roof-top HVAC units/system. The Parkway Building is an extension of the campus property and is used for the administrative services to the College. The roof system is beyond repair and no longer functions as its intended use. The HVAC units are in a similar condition and must be replaced. The project is scheduled for completion in September 2007.

Professional Services for Environmental Assessment

A contract was awarded for professional engineering services that will provide the College with a Site and Utility Survey, a Threatened and Endangered Species Study, as well a Storm Water Management Study. These surveys and studies are necessary for the continued growth of the College's facilities.

Projects Under Design

Alton Auditorium Upgrades & Renovation
This project will renovate and upgrade the 3,948 net square foot area of the Alton Auditorium located in A-Wing. The project includes lighting, HVAC quality, room acoustics, public entry, and the addition of smart classroom technology. It is anticipated that the design portion of this project will take approximately six (6) months with construction taking an additional ten (10) months to complete. The architect is working on the production of the construction documents. It is anticipated that construction will commence January 2008 with a completion date of October 2008.

Campus Center
The Campus Center Building will include food service, event and dining facilities, as well as lounges, offices, Student and Campus Center offices, meeting rooms, a small theater and facility support. The project is in the schematic design phase. Design development and construction documents will proceed once Phase I of the project is completed.

Holocaust Resource Center
This project consists of expanding the existing Holocaust Resource Center to the exterior deck of the Library.

Nacote Creek Rehabilitation & Upgrade
Located in Port Republic, New Jersey, this building houses the College's marine science teaching and researching facilities, as well as the Coastal Research Center. This project entails the renovation and upgrade of the existing facilities. This project is currently in the design development phase. It is anticipated that construction documents will be complete by December 2007. It is anticipated that construction will commence during spring 2008.

Potable Water Feasibility Study
The potable water feasibility study was submitted to the College by the engineer. This project will include a new booster pump system, new fire pump, a new exhaust fan for Building 75, and resurfacing the interior of a 300K tank. Water tanks serve as the main reservoir for the fire suppression system.

Unified Science Building
The Unified Science Center will be a four-story facility to provide support for the College's science programs. It includes wet and dry teaching laboratories, wet and dry research laboratories, classrooms, computer laboratories, support facilities, including a vivarium and green house, chem. and general storage, storage facilities, shop support, prep rooms, etc., to support the programs of the Division of Natural Sciences and Mathematics. Currently, the project is in the design phase. The Design Team has met with NAMS faculty and staff, as well as other project stakeholders to review the project's sustainable design efforts.

Projects Under Study, Programming and Planning

Academic Heat Pump Replacement
The geothermal roof-top heat pumps are approaching the end of their useful life. This project includes a review of the interior piping system, installation of isolation valves and additional flow meters. This project also includes the replacement of heat pumps to be completed in four (4) phases. Deferring this project could create life/safety issues due to the equipment exceeding its useful-life expectancy.

Athletic Fields and Parking
This project consists of two (2) irrigated athletic fields with lighting, parking, restrooms, and storage that will be constructed adjacent to the existing baseball/softball fields along Port Republic Road.

Campus-Wide Signage
This project consists of upgrading the College's signage system which is consistent and reinforces a unified and positive image. Additionally, this signage will provide organized information that provides a clear understanding of the campus, especially for the first time visitor.

Lakeside Center Addition
This project consists of renovating the current Lakeside Center and constructing a new addition that would provide expanded dining facilities and additional support areas.

Main Entrance Traffic Improvements
This project includes the installation of a traffic signal and a left-hand turn lane at the College's main entrance. In addition, the project also includes the resurfacing of three (3) 32-year old parking lots, repairs to walkways, minor improvements to site lighting, and the development of a bikeway system.

Northwest Parking Pavilion
This project consists of the construction of a five-story facility to provide parking for approximately 1,350 vehicles.

Photovoltaic
Solar photovoltaic will be installed on the Sports Center in the future. This major project will provide approximately 300 kW of power, some of which will be “exported” to other buildings on campus.

Solar Energy
Housing IV & V will be fitted with solar photovoltaic and thermal collectors owned and operated by an outside company. Stockton will purchase electricity and heat (for hot water) at a fixed price.

Wind Turbine

The 1.5 Megawatt turbine would be 240 feet tall and provide approximately 20% of the electricity needed on campus. Stockton will perform the required environmental impact evaluations (i.e. wildlife study) with the utmost scientific rigor and under close supervision of the responsible State agencies. A feasibility study was completed for this project indicating a 9-year payback for the investment of a 1.5 Megawatt turbine.

Other Institutional Information

A. Scholarly Activity 2005-2006
B. Student Affairs Annual Report 2004-2005
C. Division of Administration & Finance Program Review 2005
D. Academic Affairs Annual Highlights 2006