

SOUTH DAKOTA BOARD OF REGENTS

Committee on Budget and Finance

AGENDA ITEM: II - A

DATE: December 17-18, 2009

SUBJECT: Capital Asset Purchases Greater than \$100,000

South Dakota State University requests approval of the following items:

A Liquid Chromatograph-Tandem Mass Spectrometer/Linear Ion Trap Instrument at an estimated cost of \$477,402.50. This new piece of equipment is very sensitive and can analyze the mass of individual components in a sample. This equipment allows both qualitative and quantitative analyses to be carried out in a single experiment. This is essential to quantify low concentrations of components in a sample and also confirm the identity of these components. Funding for this purchase will come from the National Science Foundation/American Recovery & Reinvestment Act grant.

A Plot Combine at an estimated cost of \$221,597. This new piece of equipment replaces a 20 year old plot combine that needs to be updated to remain competitive in the new era of wheat research. Recent research developments have placed increased emphasis on spring wheat genetics at SDSU and the wheat breeding programs are poised to enter a new phase of breeding, possibly adopting the genetic modification programs that have recently benefitted the corn and soybean industries. Funding for this purchase will come from seed stock sales revenues.

Black Hills State University requests approval of the following item:

A Nuclear Magnetic Resonance System at an estimated cost of \$145,000. This new piece of equipment will be used in the chemistry and research laboratories. The system detects small differences in the magnetic field around different nuclei in chemical compounds. These

(continued)

RECOMMENDED ACTION OF THE EXECUTIVE DIRECTOR

Approve SDSU's request to purchase a Liquid Chromatograph-Tandem Mass Spectrometer/Linear Ion Trap Instrument at an estimated cost of \$477,402.50. Funding for this purchase will come from National Science Foundation/American Recovery & Reinvestment Act grant funds.

Approve SDSU's request to purchase a Plot Combine at an estimated cost of \$221,597. Funding for this purchase will come from seed stock sales revenues.

Approve BHSU's request to purchase a Nuclear Magnetic Resonance System at an estimated cost of \$145,000. Funding for this purchase will come from NSF EPSCoR grant funds.

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differences can be utilized to uniquely identify virtually any organic compound up to a 500 molecular weight and can be used to decipher the structure of unknown organic compounds. The magnetic field of this instrument is roughly 3X stronger than the current system giving this new system 3X better resolution and at least 10X more sensitivity than what is currently in use at BHSU. The cost of this item includes the installation services. Funding for this purchase comes from the National Science Foundation (NSF) Experimental Program to Stimulate Competitive Research (EPSCoR) grant funds.

SOUTH DAKOTA BOARD OF REGENTS

Committee on Budget and Finance

AGENDA ITEM: II - B

DATE: December 17-18, 2009

SUBJECT: Maintenance and Repair – Institutional

South Dakota State University requests approval of the following item:

University Student Union-Basement Renovation Outback Jack's: This project renovates Outback Jack's equipment rental area in the basement of the University Student Union. The estimated cost of this project is \$204,500. The project involves full design and construction. The design will be completed by an outside consultant and construction will be publicly bid and awarded to the lowest responsible bidder. Funding for this renovation will be \$81,800 from existing equipment rental revenues and \$122,700 from GAF (general activity fee) funds.

RECOMMENDED ACTION OF THE EXECUTIVE DIRECTOR

Approve South Dakota State University's request to renovate the portion of the University Student Union basement occupied by Outback Jack's. The estimated cost of this project is \$204,500. Of this amount, \$81,800 will come from equipment rental revenue and \$122,700 from GAF funds.