

Board Meeting  
March 7, 2013

ROLL CALL

PURCHASE RECOMMENDATIONS

The "Purchase Recommendations" are presented by campus and a Summary from "Appropriated Funds" (*i.e.*, from State appropriations to the University) and from "Institutional Funds" is included. The latter term is used here to designate funds received by the University under contracts with the United States Government; contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors; and University revolving funds authorized by law. The Summary also indicates a total amount by campus.

The Board action recommended in this item complies in all material respects with applicable State and federal laws, University of Illinois *Statutes, The General Rules Concerning University Organization and Procedure*, and Board of Trustees policies and directives.

The Directors of Purchases have proposed and the Vice President, Chief Financial Officer recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of the lowest acceptable bid.

The President of the University concurs.

**PURCHASES RECOMMENDED**

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**Urbana-Champaign Campus**

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1 Unit Frederick Seitz Materials Research Laboratory

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Item Transmission electron microscope (TEM) with modern computer controls and digital cameras to support research on solid state and polymeric materials.

Cost \$1,223,000 (estimated)

Vendor Hitachi High Technologies America, Inc., Pleasanton, CA

This purchase is a sole source because the transmission electron microscope (TEM) is patented and Hitachi is the only manufacturer and distributor of a TEM with a lanthanum hexabromide (LaB<sub>6</sub>) emitter with direct gas injection capability.

The Hitachi Model H-9500 has multiple unique features needed for research and is the only instrument with hollow-cone imaging that allows Z-contrast imaging in TEM mode. The Hitachi H-9500 comes with patented technology for micro-sampling, section-view function, column and detector design, gas separation and 3D observation technology, and a high temperature sample heating holder.

The Hitachi H-9500 will serve as the base platform for the development of a Dynamic Environmental TEM as required in the 2012 National Science Foundation (NSF) Major Instrumentation Development Grant award. This new equipment will be used by the research community to study a broad range of research topics, including chemical reaction and rapid phase changes of supported nanoparticles, electrochemical energy conversion, growth of semiconductor nanowires, and degradation mechanisms in lithium-ion batteries. The equipment will be housed in the Frederick Seitz Materials Research Laboratory (MRL) which operates an extensive array of facilities that are vital to the success of world-class advanced materials work.

A discount of 21% off of the list price has been negotiated. Funding is provided by the National Science Foundation (NSF).

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### Chicago Campus

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**2 Unit**      **University of Illinois Hospital and Health Sciences System (UIHHSS)**

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**Item**      Radiation oncology services on an as-needed basis for the period March 8, 2013 through September 30, 2015, with the option to renew for three additional one-year periods at an increase not to exceed 3% for each renewal period. All renewals are subject to continuing need, availability of funds, satisfactory performance, and Board of Trustees' approval.

**Cost**      \$6,648,000 (estimated)

**Renewal Options:**

October 1, 2015 to September 30, 2016	\$2,651,000 (estimated)
October 1, 2016 to September 30, 2017	\$2,730,000 (estimated)
October 1, 2017 to September 30, 2018	\$2,812,000 (estimated)

Vendor University of Chicago, Chicago, IL

Competitive bidding procedures were followed in accordance with the Illinois Procurement Code. Only one vendor submitted a responsive and responsible proposal.

The University of Illinois Hospital and Health Sciences System (UIHHSS) does not employ professional radiation oncology staff. Since 2004, these services have been provided through an outsource agreement with the University of Chicago Hospitals' Department of Radiation and Cellular Oncology.

This agreement will allow for the continued provision of comprehensive radiation therapy services to 25-50 patients per week. The University of Chicago will provide attending physicians, medical physicists, and rotating resident physicians for inpatient and outpatient services at UIHHSS.

Pricing is considered reasonable and acceptable based on historical cost data for these services.

<b>SUMMARY OF PURCHASES</b>	
(Rounded to nearest dollar)	
Urbana-Champaign Campus	\$ 1,223,000
Chicago Campus	\$ 6,648,000
Recommended from Institutional Funds	
Grand Total	\$ 7,871,000