


**MICHIGAN STATE**  
**UNIVERSITY**

December 5, 2012

**MEMORANDUM**

**To:** Trustee Finance Committee

**From:** Fred L. Poston 

**Subject:** **Project Approval - Authorization to Proceed**  
Anthony Hall - Energy Conservation Measures

**RECOMMENDATION**

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to proceed with the project entitled Anthony Hall - Energy Conservation Measures, and that it approve a budget of \$7,000,000.

**BACKGROUND**  
**Program Need:**

Michigan State University is a partner in the Better Buildings Challenge, a joint initiative on the part of the White House and the Department of Energy that calls on chief executive officers, university presidents, and state and local leaders to make a substantial commitment to energy efficiency, and recognizes the organizations they lead for achieving results. Each partner is asked to identify a demonstration project that can be used as a model for other organizations to follow. MSU has identified Anthony Hall, including the meat laboratory, as its showcase project. Analysis of the current building performance indicates that by optimizing building performance through addressing maintenance items, testing and tuning the mechanical systems, and adding other energy conservation measures, energy reductions of 30% are feasible, equating to more than \$500,000 in annual cost savings based on current energy costs.

**Description of the Project:**

Anthony Hall is located on Shaw Lane in the central academic district. This project will improve building performance through a number of efforts, including more efficient operation of laboratory ventilation and controls, cooling tower improvements, mechanical system testing and tuning, conversion to direct digital climate controls, and installation of other mechanical system improvements.



OFFICE OF THE  
VICE PRESIDENT FOR  
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OPERATIONS

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The Architect/Engineer is Peter Basso & Associates. Engineering and Architectural Services will serve as the Construction Manager.

Based on an assessment of the factors stated in the Project Planning and Approval process concerning Project Labor Agreements (PLA), the Vice President for Finance and Operations and Treasurer has determined that a PLA would not be required for this project.

**Communication Feedback:**

The campus community was given opportunities to provide feedback during the planning phase and any concerns have been addressed in the project design.

The Office of Campus Planning and Administration has reviewed this project and found it to be consistent with the Campus Master Plan and Planning Principles. The Campus Infrastructure Planning Work Group also supports the recommendation to proceed with the project.

As construction proceeds, the schedule will be reviewed with the campus community.

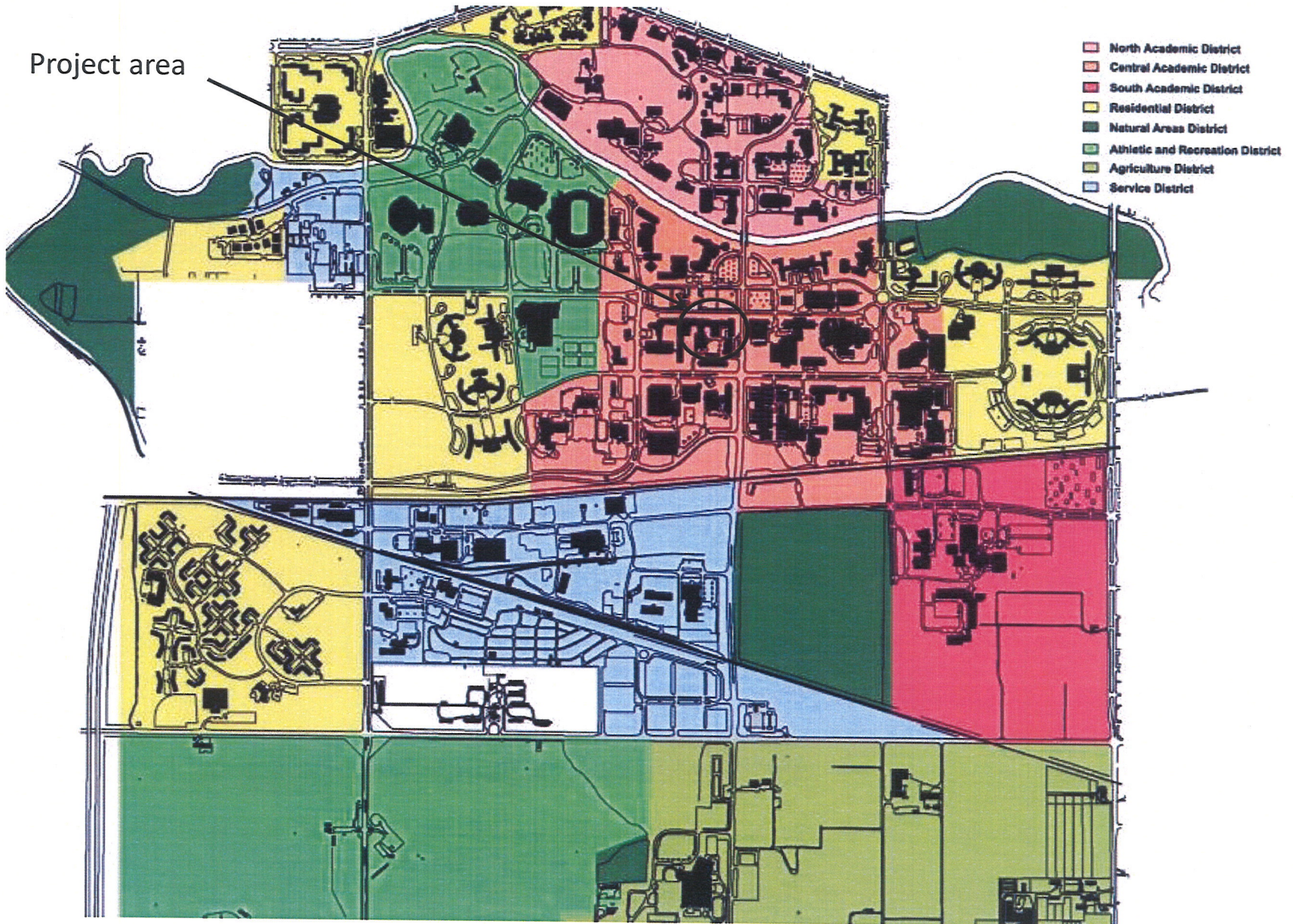
**Project Cost and Timetable:**

The budget for this Construction Manager project is \$7,000,000, which is being funded by the general fund.

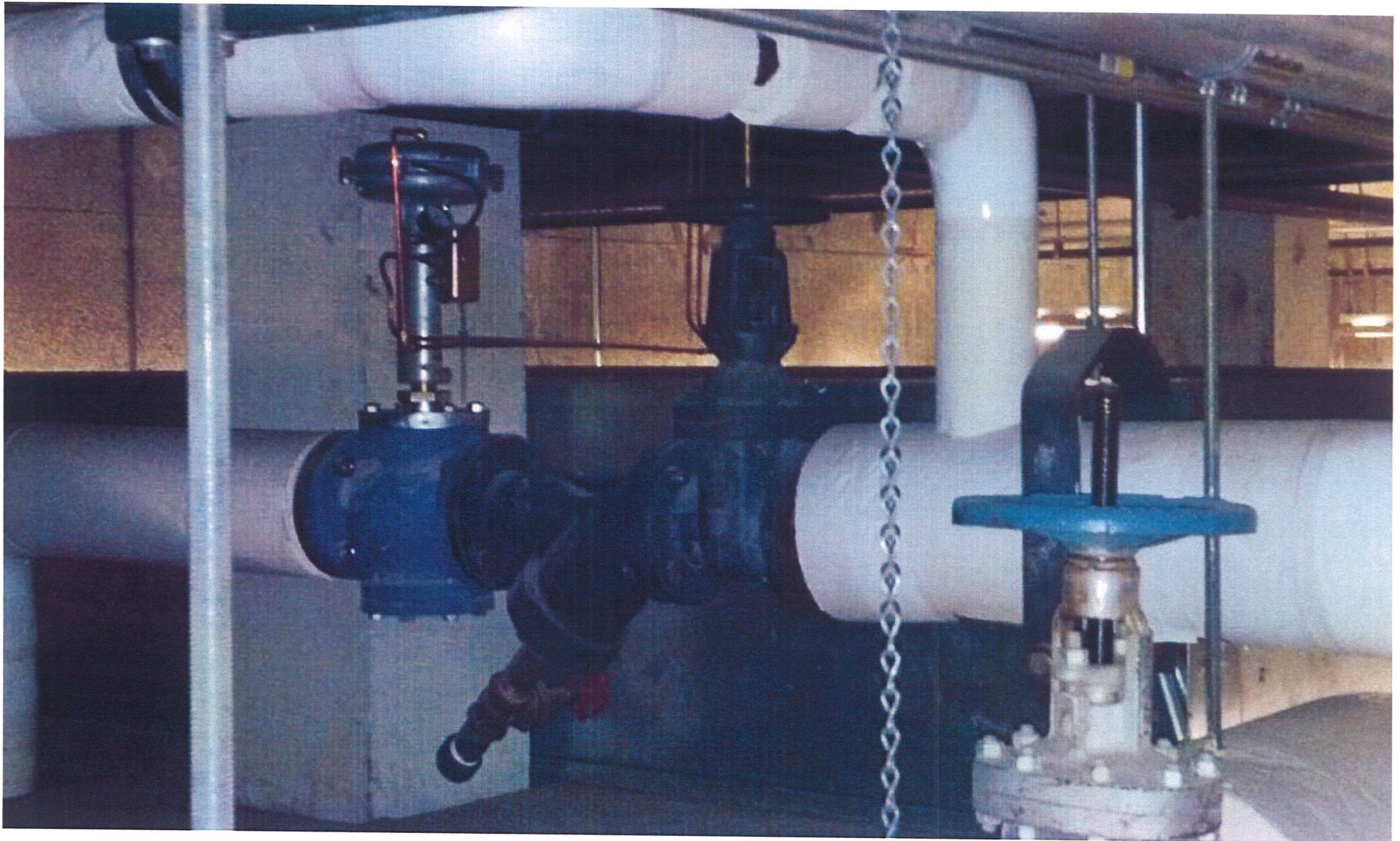
Construction is planned to begin in May 2013, with substantial completion in November 2013, and final completion by May 2015.

cc: R. Flinn, M. Haas, J. Kacos, G. Klein, B. Kranz, B. Latta, K. Lindahl,  
M. McCabe, J. Mumma, R. Nestle, D. Quinney, L. Boomer, K. Neils

Project Approval – Authorization to Proceed  
Anthony Hall – Energy Conservation Measures



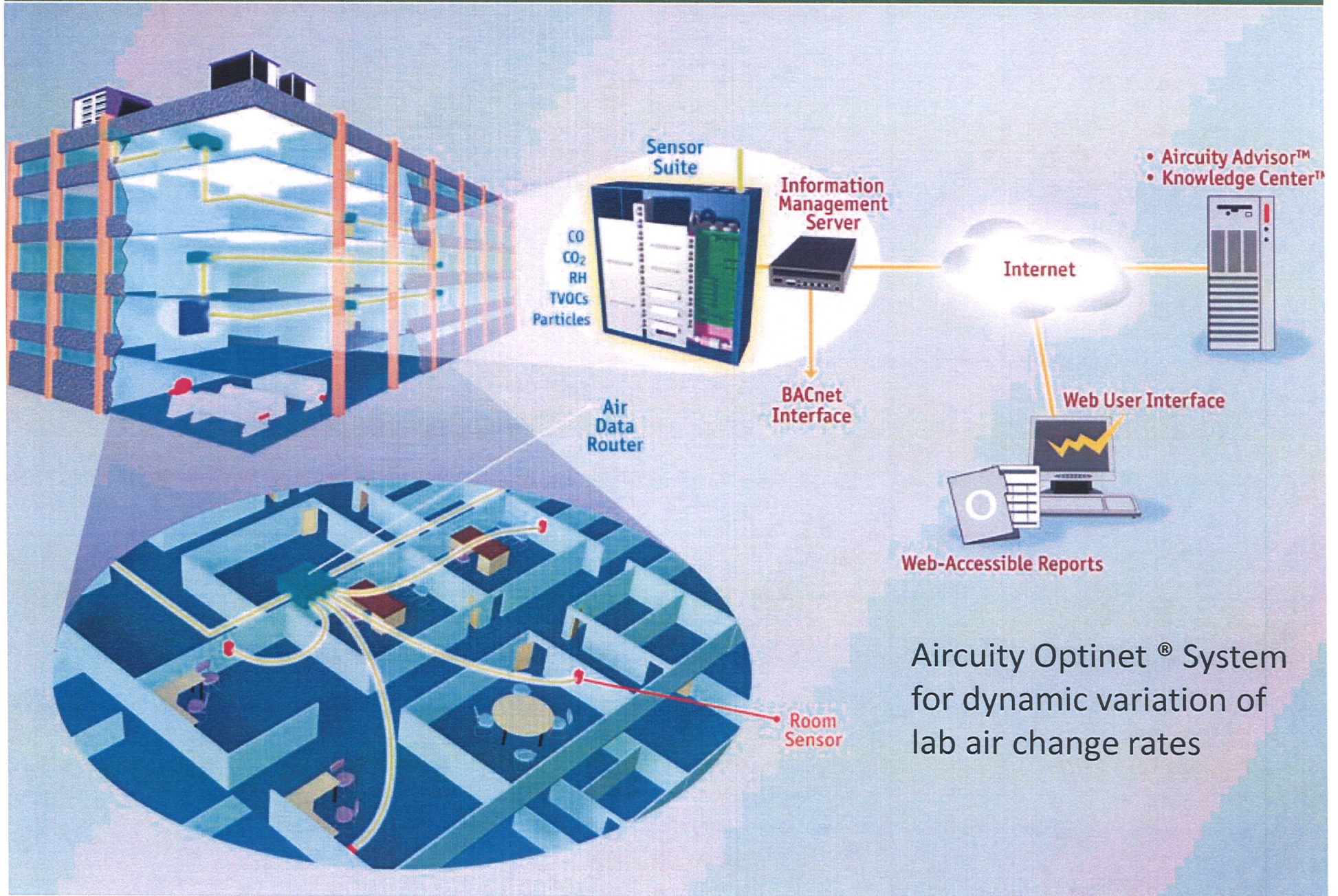
We will install/repair **insulation** on steam, chilled water and hot water piping systems





We will install **variable frequency drives (VFD)** on cooling tower fans , on heating and process condenser pumps and on each lab exhaust fan.

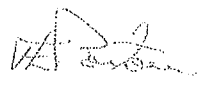
Project Approval – Authorization to Proceed  
Anthony Hall – Energy Conservation Measures



**MICHIGAN STATE  
UNIVERSITY**

June 8, 2012

**MEMORANDUM**

**To:** Trustee Finance Committee  
**From:** Fred L. Poston   
**Subject:** **Authorization to Plan**  
Anthony Hall - Energy Conservation Measures



**RECOMMENDATION**

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled Anthony Hall - Energy Conservation Measures.

**BACKGROUND**

**Program Need:**

Michigan State University is a partner in the Better Buildings Challenge, a joint initiative on the part of the White House and the Department of Energy that calls on chief executive officers, university presidents, and state and local leaders to make a substantial commitment to energy efficiency, and recognizes the organizations they lead for achieving results. Each partner is asked to identify a demonstration project that can be used as a model for other organizations to follow. MSU has identified Anthony Hall as its showcase project. Analysis of the current building performance indicates that by optimizing building performance through addressing maintenance items, testing and tuning the mechanical systems, and adding other energy conservation measures, energy reductions of 30% are feasible, equating to more than \$500,000 in annual cost savings based on current energy costs.

**General Description of the Project:**

The planning of this project is anticipated to include improving building performance through a number of efforts, including more efficient operation of laboratory ventilation and controls, cooling tower improvements, mechanical system testing and tuning, converting to direct digital climate controls, and installing other mechanical system improvements.



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Anthony Hall is located on Shaw Lane and Wilson Road in the central academic district. The location of this project is consistent with the Campus Master Plan and Planning Principles.

Based on an assessment of the factors stated in the Project Planning and Approval process concerning Project Labor Agreements (PLA), the Vice President for Finance and Operations and Treasurer has determined that a PLA would not be required for this project.

**Communication Plan:**

During the planning phase, the campus community will be given opportunities to provide feedback on the project as it is being designed. Input from the project planning team will be solicited during the design phase.

**Preliminary Project Cost Information:**

Based on cost experience for similar projects and current pricing information, the preliminary project cost estimate is \$5,000,000. This estimate may change as planning progresses and the project scope is further defined.

The source of funds for the project is expected to be the general fund.

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