


MICHIGAN STATE
U N I V E R S I T Y

November 30, 2011

MEMORANDUM

To: Trustee Finance Committee

From: Fred L. Poston 

Subject: **Authorization to Plan**
T. B. Simon Power Plant - Sorbent Injection for Boilers 1, 2, and 4

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled T. B. Simon Power Plant - Sorbent Injection for Boilers 1, 2, and 4.

BACKGROUND

Program Need:

Michigan State University continues to pursue cleaner energy options and reduction of emissions from the T.B. Simon Power Plant. New studies indicate that sorbent injection can be an effective and relatively low cost means to lower emissions from solid fuel combustion.

General Description of the Project:

The planning of this project is anticipated to include further investigation of the installation of sorbent injection systems to remove unwanted emissions from the present boiler system. Sorbent injection uses a receiving and pneumatic piping system to inject a dry alkaline (calcium) reagent into the ash collection system of the Boilers (baghouse). This process reduces emissions created by solid fuel combustion. It is expected that this emission reduction system will satisfy the newest EPA requirements for industrial boilers.

The T.B. Simon Power Plant is located on Service Road in the Service 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.



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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 \$7,000,000. 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.

cc: R. Flinn, M. Haas, J. Kacos, G. Klein, B. Kranz, B. Latta, K. Lindahl, M. McCabe,
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T.B. Simon Power Plant

