

FOR BOARD ACTION

Agenda Item # 4

Meeting Date: 3/25/08

SUBJECT: Hybrid Energy System Study (HESS) Live Demonstration

PREPARED BY: Jim Walters, Director of Customer Relations

ITEM DESCRIPTION:

A live demonstration of what we have learned from our work with the University of Minnesota – Rochester regarding the Hybrid Energy System Study (HESS) will be presented during the Board meeting. The goal of the research was to determine the efficiencies gained by combining a fuel cell with a geothermal heat pump and eventually selling the patented technology. Some of what will be demonstrated includes remote operation of the system, running the system using stored heat or earth loop, or a combination of the two, and the dynamics of a stratified thermal storage system.

UTILITY BOARD ACTION REQUESTED:

The is an informational item. No action is required.

Tamy Koshic
General Manager

3/20/08
Date