

# **Executive Summary**

## **Prepared for Board of Trustees Meeting**

### **January 22, 2008**

## **Energy Management Overview**

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### **Purpose of Report**

The purpose of this report is to inform the Denton Independent School District Trustees an overview of the findings and objectives of an Energy Management Audit from July 2006-June 2008.

### **Objectives**

- Continue efforts to tightly manage utilities through the use of information and the EMS/Control System
- Involve campus leadership for a collaborative effort
- Implement capital improvements to reduce energy consumption in existing campuses.
- Reduce cost by changing electricity providers at the campuses that are in deregulated territory.
- Support the district's LEED initiatives.

### **Operational Impact**

The summary of the Energy Management Audit for July 2006 – June 2007 are as follows:

Total utility savings of \$1,023,454.00

New openings utilities cost \$660,127.00 (ATC, Paloma ES, Savannah ES & Navo MS)

Net utility savings of \$363,327.00

Total cost for electricity, gas, water, sewer and refuse service \$6,594,207.00

(presentation will give more details on specific utility cost breakdowns)

### **Results**

The audit and subsequent initiatives to energy savings accomplished several positive things. First, a new database software program was instituted to track utilities. Walk-through energy audits were performed on all open campuses. Policies and processes for scheduling after-hours heating and cooling were modified. There was a renewed focus on reducing utility use by utilizing an EMS/Control System along with installing controls to reduce water usage from irrigation. Finally, capital improvements recommendations were made that will save Denton ISD up to \$200,000.00 annually.

### **Other Options**