

Approval of Denton ISD Energy Consumption Reduction Plan Resolution

June 24, 2008

SUMMARY:

- This item requests approval of an energy consumption reduction plan resolution in response to requirements in Senate Bill 12 and House Bill 3693, signed by the Governor in June 2007 and effective as of September 1, 2007.

PREVIOUS BOARD ACTION:

- January 22, 2008; Energy Management Overview Report
- February 12, 2008; Expansion of our Current I/NET control system to address card access systems and (EMS) energy management systems for all portable classrooms district wide. Also, include the replacement of all old style routers remaining in the district.
- March 11, 2008; Proposal 080228 for Mechanical and Lighting System Improvements as approved in the 2007 Bond package.
- May 13, 2008; Approved Interlocal Agreement to enter into a contract with TASB Energy Cooperative for the purchase of energy for Crownover Middle School and Hawk Elementary.

BACKGROUND INFORMATION:

- Senate Bill 12, Section 3.03, Subsection (b), Section 44.901, Education Code is amended to read as follows: (b) "The board of trustees of a school district shall establish a goal to reduce the annual electric consumption by five (5) percent each year for six years, beginning September 1, 2007.
- House Bill 3693, Section 44.902. "GOAL TO REDUCE CONSUMPTION OF ELECTRIC ENERGY." The Board of Trustees of a school district shall establish a goal to reduce the school District's annual electric consumption by five (5) percent each state fiscal year for six years beginning September 1, 2007.
- TD Industries is currently aiding the District in an annual energy audit and a quarterly report was presented to the Board January 22, 2008.

SIGNIFICANT ISSUES:

- The five (5) percent goal will become increasingly harder to achieve the more efficient we become.

FISCAL IMPLICATIONS:

- The Energy Management Audit for July 2006- June 2007 – Total Utility Savings of \$1,023,454.00.
- Expansion I/NET to address card access and EMS for portables – waiting for savings report.
- Proposal 080228 Mechanical and Lighting Systems Improvements – waiting for savings report.
- Interlocal Agreement to Purchase Energy for Crownover and Hawk – expected savings between \$79,000.00 and \$130,000.00 per year, depending upon the type of procurement method chosen.

BENEFIT OF ACTION:

- By adopting this resolution the district is taking a more proactive approach towards the reduction of energy and should see substantial cost savings.

PROCEDURAL AND REPORTING IMPLICATIONS:

- In response to House Bill 3693. Section 8, the district shall record in an electronic repository the metered amount of electricity, water or natural gas consumed for which the district is responsible to pay and the aggregate costs of those utility services. The district shall then report the recorded information on a publicly accessible Internet website with an interface designed for ease of navigation if available, or at another publicly accessible location.

PUBLIC COMMENT RECEIVED:

- None

ALTERNATIVES:

- No alternative actions are proposed.

OTHER COMMENTS:

- None

SUPERINTENDENT'S RECOMMENDATION:

- Approval of Denton ISD Energy Consumption Reduction Plan Resolution as detailed by staff and required under - Senate Bill 12, Section 3.03, Subsection (b), Section 44.901.

STAFF PERSONS RESPONSIBLE:

- Norman T. Sisk, Executive Director of Operations
- Roderick Reeves, Coordinator of Facility Planning

ATTACHMENT:

- Energy Consumption Plan

APPROVAL:

Signature of Staff Member Proposing Recommendation: Norman T. Sisk
Comments: _____
Signature of Divisional Assistant Superintendent: _____
Comments: _____
Signature of Superintendent: _____
Comments: _____