

# Energy Consumption Reduction Plan

## Merkel ISD

November 12, 2007

### **Mission Statement:**

Recognizing our responsibility as Trustees of Merkel, we believe that every effort should be made to conserve energy and natural resources. We also believe that energy efficient operations will reduce operating costs and is in the best interest of the district. As a result, we have resolved to create this *Energy Consumption Reduction Plan* which is to be implemented within each of our facilities and around all of our campuses. It is desired, through this policy, to produce a safe and productive environment for our students, while simultaneously providing prudent management of our financial and energy resources.

### **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, our district now establishes a goal to reduce annual electric consumption by an average five percent (5%) each state fiscal year for the next six (6) years. Merkel ISD will start with the 2006-2007 school year as the base year and subsequently will annually re-calculate the base year in light of actual electric consumption, Cooling Degree Days (CDD), and District Student Population Growth. Merkel ISD will compare via Electric kWh/sf or kWh/student, not Annual kWh.

### **Commitment to Implementation of Plan**

Implementation of this plan shall be the joint responsibility of the trustees, administrators, staff and support personnel.

Specific efforts that shall be considered as potential action items for the plan are:

1. Installation of Water Saving Devices
2. Efficient Appliance Purchases
3. Vending Machine Operating Controls
4. Energy Efficient Window and Door Systems
5. General Maintenance and Operations Revisions
6. Staff Development awareness for energy consumption savings

Specific efforts/projects that are already in place (project implemented November 2007):

1. Energy Management Control System (Computer Controlled HVAC System)
2. Efficient Lighting Systems (replaced T-12 bulbs with T-8 bulbs and digital ballasts)

### **Recording and Reporting of Utility Consumption**

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.

Having considered the responsibility of the district to conserve energy and to preserve our nation's natural energy resources, improve the district's efficiency of operation, and eliminate unnecessary expenditures for energy, the Merkel ISD Board of Trustees does hereby adopt this *Energy Consumption Reduction Plan*.

Adopt this 12<sup>th</sup> day of November, 2007.

Signature: \_\_\_\_\_  
President, Board of Trustees

Attest: \_\_\_\_\_  
Secretary, Board of Trustee