

The C-FBISD Energy Management: A TEAMS Approach



Carrollton · Farmers Branch

Independent School District

••• An Innovative Leader in Learning •••

**US Environmental Protection Agency
Local Government Climate Clean
Energy Program Heat Island
Reduction Program**

The C-FBISD TEAMS Approach

Victor Melton

Environmental & Energy Manager
Carrollton-Farmers Branch ISD

Background of Need for TEAMS Program

- Media Mold Blitz & Deregulation – 2001-2002
- EPA IAQ Tfs Kits
- Education - key to success
- TEAMS - Integrating IAQ and energy safety and security through Education

TEAMS

Tools for Schools (IAQ & IPM)

Energy (Green Teams)

Asbestos

Moisture Management

Safety and Security

TEAMS Mission Statement

TEAMS Strives to Produce a Quality
Environment for Employees and
Students

TEAMS Members – C-FBISD

- Renee Putter/Athletic Director
- Patty Jo Nierste/Safety PCL Insurance
- Teresa Lyons/Nurse
- Rosalie Getz/Occupational Health Nurse
- Johnny Hibbs/Exec. Dir. Facilities/Trans
- Tom Bell/Construction Supervisor
- Wade Lillie/Dir. Security & Operations
- Roland Donnell/Maintenance Director
- Melvin Beckham/Custodian Dept Head
- Terry Vandenberg/HVAC Controls
- Victor Melton/Environmental and Energy

Special Members

State Energy Conservation Office (SECO)

James McClure --- Estes, McClure & Associates, Inc.

Trey Wamble (Commercial Risk Services)

Outreach to Schools

- TEAMS Presentation Program is not mandatory
- Green Teams Program not mandatory
- When a school has a problem such as indoor air quality (IAQ), a leak or wants to start the C-FB Green Teams we ask that they have the TEAMS presentation.

The presentation is 45 minutes long and has Visuals, facts and humor in order to keep the audiences attention

- The “WE” Approach

Utilizing “WE,” not “I,” reinforces the point. *We all* use energy, We sometimes create our own IAQ problems individually and collectively, *we all* can make a difference solving them.

Energy Efficiency

- C-FB Payroll/Chapter 41/Utilities
- Wasted Energy = IAQ Problems
- Most schools have one teacher that wants to be the Green Team Coordinator
- The Green Team Motto
 - “The Most Energy Efficient Device in the World is a Device Turned Off When Not in Use.”

Energy Efficiency Cont'd

Recycling and Energy Savings Program

- C-FB has **Green Teams** Program
 - C-FB now has a portfolio rating of 82
 - 600 Green Team Students
 - 30 Staff
 - The District saved over 3 million Kwh and recycled over 700 tons of paper last year.
 - Participate in “End of the Year Rally”
- “Watt Watchers”
 - Educates students about the importance of saving energy and changing cultural mind sets
 - Students walk the school and give out tickets
 - Students take this mind set home and keep these good habits throughout life

Energy Efficiency Cont'd

- Upper management support
 - The C-FBISD supports the program
- \$300 million bond package
 - Retrofit and new buildings
- (Engineering) company
 - Energy efficient buildings
- (Technology) [Altiris software] we have 16,000 P/Cs
 - Be careful-not all technology saves
- Kitchen Wattchers and Watt Watcher are (Cultural) mind sets
 - Work with all departments at your District
 - Engineering, Technology and Cultural are the three main categories to save on utility costs

Energy Challenges

- Cultural mind set is the biggest challenge energy managers face today
- WHY
 - People do not like to be told NO
 - Staff have formed bad habits
 - Staff do not see the utility bills
 - Personal devices from home personal frig, mic, heater, fish tanks, coffee makers and more.
 - The fact is we are spoiled
 - Remember to always keep a positive attitude

Summary

The TEAMS approach incorporates all facets of the C-FBISD organization through education and training, ultimately providing the objective of a healthier learning and working environment for all.

Texas Energy Managers' Association (TEMA)



TEMA - A State sponsored Association
to help increase energy efficiency in
schools and public buildings

Special Thank You

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Janet Hurley of the Texas A&M Extension Agency for the IPM best practices and updates on school activities throughout the State.

QUESTIONS and ANSWERS

- TEMA go to www.texasema.org



- *For more info about the C-FBISD TEAMS program* www.cfbportal.org click on IAQ and energy awareness.

