

Performance Contracting

Monte Vista School District, Colorado

C
A
S
E
S
T
U
D
Y

Financing:

Municipal Lease-Purchase

Term: 12 Years

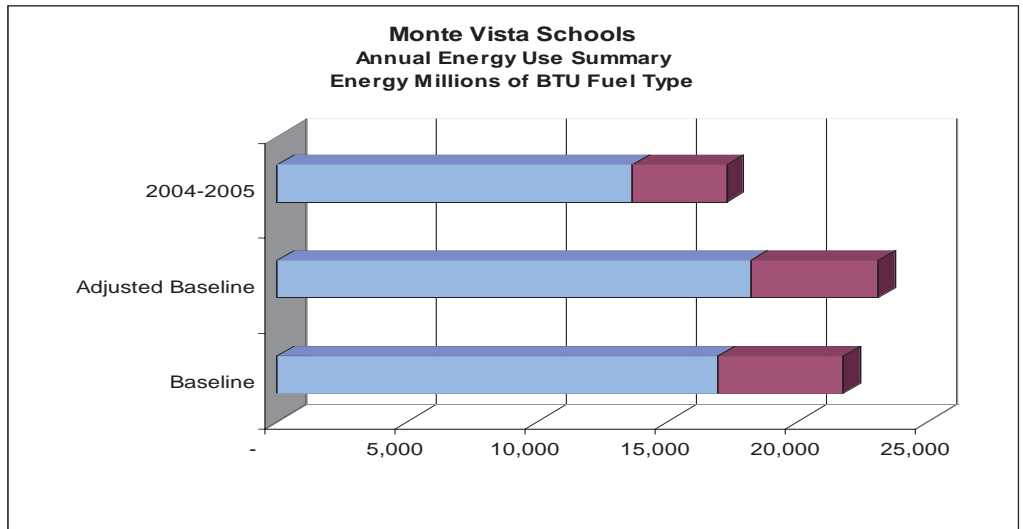
Facility Size: 231,000 SF

Construction Cost	\$785,000
Annual Savings	\$58,310 Energy \$17,784 Maintenance
Baseline Utility Use	101,955 Btu/SF
Post Retrofit Utility Use	77,037 Btu/SF
Construction Period	Jun 2004 -- Nov 2004
Client Contact	Cyndi Wright 719-852-4050

PROFILE

Facilities consisted of Pre-K through high school. Most buildings consisted of single-story brick and mortar. EMC personnel performed energy audits and implementation of projects in five buildings. These included:

- ❖ Lighting upgrades (T-8s, T-5s, LEDs, CFs, Emergency)
- ❖ Occupancy sensors and Lightstats
- ❖ BacNet-based DDC EMCS with web control and access
- ❖ Variable frequency drives on AHU
- ❖ Demand controlled ventilation systems
- ❖ Infrared heaters in shops
- ❖ Replaced/Resized DHW systems
- ❖ Central Plant steam-to-HW conversion
- ❖ Ductwork upgrades
- ❖ Free cooling system
- ❖ Parking lot lighting
- ❖ Roofing Financing
- ❖ Commissioning
- ❖ Maintenance Management System



What sets us apart?

EMC is dedicated to creating sustainable facilities. We optimize building performance through energy modeling and analysis, advanced building automation systems, creative mechanical and electrical design, construction management, and building commissioning. These methods lower energy costs, improve comfort, and increase productivity.

Experience

Since 1976, EMC has been a leader in delivering high performance building solutions. As a multidiscipline consulting firm, we have strong credentials in mechanical, electrical, and control systems design, retrofit and modernization; energy engineering; and building systems commissioning.

Services

Energy Engineering

Sustainable Design

Mechanical and Electrical Design

Building Commissioning and Retro-Commissioning

LEED™ Services

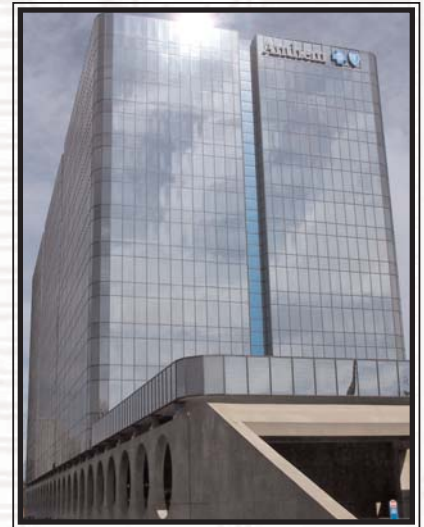
Training

The Big Picture.

Creative Thinking.

Integrated Solutions.

The Long Haul.



www.emcengineers.com

EMC
ENGINEERS, INC.

143 Union Blvd., Suite 350
Lakewood, Colorado 80228
Phone: 303-974-1200
Fax: 303-974-1239
denver@emcengineers.com

Salt Lake City 801-783-4465
Los Angeles 949-798-6294

960 Northpoint Prkwy, # 600
Alpharetta, Georgia 30005
Phone: 678-254-1200
Fax: 678-254-1239
atlanta@emcengineers.com

Florida 850-578-7250
North Carolina 919-424-4453
Mississippi 662-844-9119