



TETER



changeair

a systemair company

CASE STUDY

MOUNTAIN VIEW ELEMENTARY SCHOOL | CAMPUS MODERNIZATION & CENTRAL PLANT UPGRADE

ARCHITECTS
ENGINEERS
CONNECTED



AFTER

TETER replaced the non-operational mechanical system with a high efficiency, energy-saving air cooler system. New ducted classroom air handlers were installed in each classroom. Instructors can now teach without loud noise distractions & temperature discomfort which were prevalent with the original floor mounted units. Improved uniform comfort to students & teachers alike equate to a better academic learning environment. Teachers gain valuable storage space by the relocation of units into the corner of the classroom.



BEFORE

PROJECT SPECIFICATIONS

Square Footage:	44,417 SF
Completion Date:	August, 2012
Services Performed:	Architectural Design, Mechanical, Electrical, Plumbing, Structural Engineering and Construction Administration

Changeair's Freshman IQ model **exceeds the sound requirements, and qualifies for grants under the California High Performance Initiative (HPI) program.**

Typical Classroom Unit Design Includes:

- Vertical or Console Unit
- Dehumidification Units
- Self-Contained DX Cooling
- Water Source Heat Pumps
- Air Source Heat Pumps
- Face & Bypass Dampers
- Built-in Power Relief
- Chilled Water/Hot Water

Heating Options:

- Natural Gas or LPG Furnace
- Hot Water Coil, Steam Coil or Electric
- Air Source Heat Pumps
- Water Source Heat Pump

Cooling Options:

- Chilled Water
- Self-Contained Packaged A/C
- Split System Evaporator
- Water to Refrigerant Condensing Coil



TETER's HPI & SBD efforts designed systems that **exceeded Title 24 energy-efficiency by over 15%**. Thus earning the District a \$35,690 PG&E incentive check. CUSD also received additional money from the HPI grant for approximately \$280,000. **The District now spends less money on utility bills due to the superior energy performance of the new central plant, unit ventilators, & remotely controlling the lights.**

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