

Albuquerque Public Schools received the 2008 New Mexico Green Building Leadership Award from the Home Builders Association of Central New Mexico as part of the BuildGreen program to recognize true leadership and innovation in green building.

In 2007 Karen Alarid, APS Director of Facilities Design & Construction, was the Green Sustainable Buildings Professional of the Year presented by the New Mexico Association of Energy Engineers.



APS Facilities Design & Construction
915 Oak Street SE
Albuquerque, New Mexico 87106
505.848.8810
505.246.9020 fax

For additional information,
check out our website at
www.apsfacilities.org

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Building green,
sustainable and
cost effective
schools in
Albuquerque,
New Mexico



*Los Padillas
Elementary School
classroom day-lighting.*



*Helen Cordero Primary School
will be LEED Silver certified
and will include Ground Source
Heat Pumps HVAC system.*

Albuquerque Public Schools (APS) currently has 20 projects worth approximately \$200 million that are designed and under construction seeking some level of LEED certification.

This entails 31% of all APS new construction projects currently under contract.

- A. Montoya ES
- Alamosa ES
- Alvarado ES
- Apache ES
- APS Food Service
- Barcelona ES
- Del Norte HS
- Emerson ES
- Evening HS
- Family School East
- Georgia O'Keeffe ES
- Grant MS
- Highland HS
- John Baker ES
- Kit Carson ES
- McCollum ES
- NWMS
- Helen Cordero Primary
- SR Marmon ES
- Westside Stadium



What is sustainability?

- Sustainability is the practice of meeting the quality of life needs of the present without compromising the ability of future generations to meet their own needs.
- Building sustainably entails using durable, environmentally-friendly, functional, easy to replace and cost-effective materials and methodologies.
- Building facilities that will be energy efficient; thus, accruing long-term costs savings to taxpayers.

Why build sustainably?

- APS spends \$14.9 million each year for utility costs (gas and electric). This breaks down to \$41,000 per day.
- Higher student test scores due to better learning environment (quiet, well-lit, properly ventilated with healthy air)
- Reduced operating costs (reduced energy and water use)
- Increased daily attendance due to healthier indoor environment (air quality)
- Enhanced teacher performance and satisfaction
- Reduced environmental impact
- Increased building life
- Reduced liability



Cibola High School's new Commons Area



Replacing a sod field with a turf field at Highland High School has saved taxpayers between \$100,000 and \$300,000 per year in water, landscaping, and maintenance costs.



The new Tony Hillerman Middle School will be LEED Silver certified.

How to build sustainably

LEED (Leadership in Energy and Environmental Design)

- Encourages and accelerates global adoption of sustainable green building and development practices through the creation and implementation of universally understood and accepted tools and performance criteria.
- Ample natural light
- High-quality acoustics
- Air that is safe to breathe
- Save taxpayer funds by drastically reducing energy and maintenance costs over the lifetime of the building

CHPS (Collaborative High Performance Schools)

- High performance schools are facilities that improve the learning environment while saving energy, resources, and taxpayer funds.
- Energy-saving designs (day-lighting and building orientation)
- Use of recycled materials for construction (rubberized, artificial turf fields; fiberglass insulation from 20% PI glass)
- Stained or polished concrete floors for durability, low maintenance, and minimal allergens