

## Poudre School District

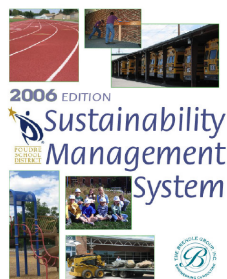
### *Leading by Example*

Poudre School District (PSD) has been recognized as a national leader in public school energy management and environmental stewardship since 1994. According to their Sustainability Management System, “PSD’s goal is to ensure positive impacts for students and staff members, as well as the environment, while reaping the economic benefits of conservation and efficiency.”

#### **POLICIES & AWARDS**

- **Development of Sustainability Management System (SMS)**

During 2006, PSD became the first known school district to establish an SMS. This system was created to help set long term and short term goals for the district for conserving resources and reducing green house gas emissions. This plan is focused on “meeting the needs of the present without jeopardizing the ability of future generations to do the same.”



- **Energy Champion Award**

Received the Governors Office of Energy Management “Energy Champions” award for pioneer and leadership in efficient new construction.

#### **WATER QUALITY & CONSERVATION**

- **Irrigation Systems**

PSD continues to reduce irrigation water use through automated irrigation systems and water management training for all outdoor services technicians.

- **Water Savings**

Through water irrigation management and education, PSD has reduced water use from approx. 200,000,000 gallons per year to 127,000,000 gallons per year. These reductions were persistent even with the additions of schools and sites over the past several years.

#### **TRANSPORTATION**

- **Bus Retrofits**

During 2006, PSD received an EPA grant for more than \$253,000 to retrofit mechanical equipment on buses. The equipment will significantly reduce the overall diesel and greenhouse gas emissions.

- **Efficient Bus Routing**

PSD continues to become more efficient at routing buses (using GPS technology) and has reduced the gallons of fuel used each year, even though the district is adding schools/bus routes every year.



Rocky Mountain High School

#### **Facility**

*Poudre School District  
Fort Collins, Colorado*

#### **Size**

*More than 3.7 million square feet, 24,000 students*

#### **Climate Wise Partner**

*Since 2000*

#### **Partner Level**

**GOLD** level partner  
2006 award

#### **Web**

<http://www.psdschools.org>

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# Climate Wise Partner Profile

- **Energy Efficient Block Heaters**

Fifty two of PSD's fleet of 180 buses have been converted from 1200-watt block heaters to Wabasco block heaters that require no electric service. All new buses purchased each year also come with the Wabasco block heaters (~10 buses/yr.).

- **No Idling Policy**

PSD instituted an idling policy mandating no idling in school zones.

## ENERGY EFFICIENCY

- **Green Building**

During 2005, Fossil Ridge High School was awarded LEED-NC Silver certification by the U.S Green Building Council.



- **LEED for Schools**

During 2008, a new elementary school will be built in Timnath that will be one of the first schools in the nation to be certified under the new LEED for Schools qualifications.

- **Energy Star Certified Buildings**

Twelve schools and the Operations Building were certified in 2006. Out of 115 Energy Star Labeled schools in the State of Colorado, 49 are in PSD.

- **Energy Saving Projects**

Recently completed 14 additional energy efficiency projects. To-date, 127 projects have been completed and have a one-time savings of over \$1,850,000 and ongoing, annual savings of \$413,000.

## RENEWABLE ENERGY

- **Student Wind Power**

Rocky Mountain High School's (RMHS) Environmental Club purchased 80 blocks (200,000 kilowatt hours) of wind energy for a month in support of Earth Day 2005. In addition they raised awareness about energy use and implemented reduction practices which resulted in a 9% reduction in overall energy consumption. RMHS recycling and conservation programs saved approximately \$30,000 from 1999 to 2004.



- **Wind Power Purchase**

PSD purchased wind power for the first time in 2002 and has continued to support renewable energy. In 2006, PSD purchased 3,092,360 kWh of wind power.

## STUDENT EDUCATION AND INVOLVEMENT

- **"Energy Rules" school energy conservation program**

PSD participates in the City of Fort Collins Energy Rules program which awards schools rebates for saving energy. This program has focused on educating students about energy conservation and has had some amazing results.

## SOLID WASTE & RECYCLING

- **Recycling**

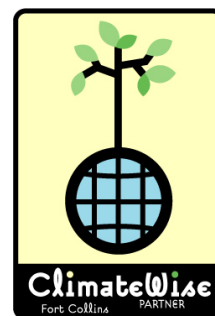
PSD recycled **266 tons** of office paper, newspaper, cardboard, magazines, aluminum, plastic, glass, computer monitors and keyboards, and wood in **FY 2006**. Recycled **155 tons** in **FY 2005**.

- **Using Recycled Materials**

As part of their effort to create green buildings, PSD uses recycled content materials in many aspects of their construction. From the kitchen tiles to the computer desks, PSD is incorporating recycled materials back into their schools.

- **Purchasing Policy**

PSD has purchasing procedures that help drive the use of recycled content materials in everything possible. This includes items such as office paper, toilet paper, books, cleaning supplies, etc. Not only is this a sustainable practice, but it helps build a strong market for such materials.



### Climate Wise

Climate Wise is a voluntary City of Fort Collins program that recognizes and assists businesses in quantifying and reducing their environmental impact. Climate Wise provides free assessments to business partners and includes expert staff from the City of Fort Collins Utilities, Natural Resources, and Transportation departments.

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