

What's the Buzz?

South Union Elementary received a \$1200 grant from the Department of Natural Resources in April. The school used the money to plant 29 trees on the school grounds. Fifth grade science teacher Brad Peterson named the project "Grant Woods" and says the planting has been a huge undertaking for students and staff but the energy savings will be outstanding in future years. Trees were purchased from the Central Campus Vocational Ag Lab plant sale. Click the link to view photos taken by the **Des Moines Register**.

Trees can help lower asthma rates and limit the growth of greenhouse gases.

source: www.thedailygreen.com article "Trees Fight Asthma"



Did You Know?

DMPS became a pledge driver for the ENERGY STAR® challenge: Change the World, Start with ENERGY STAR, a national movement encouraging all Americans to join with millions of others and take small, individual steps that make a big difference in the fight against global warming. Individuals within the district pledged to reduce their personal greenhouse gas emissions at home. Together, these individuals pledged to reduce their GHG emissions by 2,113,111 lbs. Their accumulated savings breakdown to \$166,223 saved, and 1,142,526 kWh or 3,043,152,683 BTUs avoided.

Source: www.energystar.gov

Click the image below to take the pledge for 2010-11 or visit www.energystar.gov and click on "Join our movement".



Facility Improvements This Summer

Why save energy? The annual energy bill to run public schools nationally is \$9 billion, which is more than what is spent on textbooks and technology combined. Saving energy makes more dollars available to support education.



Madison is one of the schools that will undergo energy efficiency upgrades.

DMPS is continually improving the energy efficiency of its buildings through equipment and system upgrades. The Students First and PPEL (Physical, Plant & Equipment Levy) programs are imperative to energy cost savings. These programs fund and prioritize improvements according to energy efficiency potential. The energy efficiency projects also help to stimulate our community by providing jobs and the purchase of supplies.

Projects to be completed this summer at Howe, Madison, Mitchell, Park, Wright include: technology upgrades, energy conservation upgrades, air conditioning for classrooms, ventilation improvements, electrical system upgrades, geothermal heating and cooling system (making 25 schools in the district with geothermal), exterior door and window replacement.

Projects at other schools include: mechanical upgrades, HVAC (Heating, Ventilation and Air Conditioning) controls, boiler burner replacement and lighting retrofits.

DMPS ENERGY STAR® Labeled Buildings

Des Moines School District is a community leader in energy efficiency and conservation. In 2010, the city of Des Moines was ranked 24th in the nation for the number of commercial buildings certified as ENERGY STAR buildings. Of the 36 Des Moines buildings on the list 26 (72%) were DMPS buildings.

Brubaker	Findley	Hiatt	Morris	Samuelson	Wright
Callanan	Garton	Hillis	Oak Park	South Union	
Capitol View	Goodrell	Howe	Perkins	Stowe	
Carver	Greenwood	Hubbell	Pleasant Hill	Weeks	
Cattell	Hanawalt	McKinley	River Woods	Windsor	

ENERGY STAR labeled schools meet strict energy-performance standards set by the EPA and uses less energy, is less expensive to operate, and causes fewer greenhouse gas emissions than its peers. The district expects the number of ENERGY STAR labeled buildings will only increase as a result of education and responsible energy use. DMPS is continually improving the energy efficiency of its buildings through equipment and system upgrades, together with the energy conservation strategies of the staff and students we are reducing our environmental impact.

Earth Day at DMPS



The district celebrated the 40th Anniversary of Earth Day with trash walks, field trips, garden plantings, and demonstrations. To view more pictures of some of the events that took place the week of April 19-23, visit our Web site at www.k12.ia.us.



Greenwood Kindergarteners Keegan Crist, Austin Pluid, Lincoln Claussen, and Devryn Perteet show items that they gathered from their Earth walk that remind them of the Earth.



Wright Kindergarteners Alexia Montano, Moriah Lombardi, Taylor Hill and Alex Salazar show how they care for their environment with their reusable water bottles.



Tinne Debe, Rakia Hassan, and Elsa DeLeon plant hostas for a Sunshine Memorial Garden in memory of a classmate at Windsor.

ENERGY REPORT CARD

YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2009 – March 31, 2010

Percentage change as compared to the same time period from previous year
Ranked Lowest to Highest Energy User (measured in kBtu/sq ft)

Site	% Chg as compared to '08-'09	kBtu/ Sq Ft	Site	% Chg as compared to '08-'09	kBtu/ Sq Ft
Wakonda Ste 23 ♦		3	Wright	1%	48
McKee ♦		14	Facility Mgmt	4%	49
Dean Operations Center ♦		18	Central Academy	-11%	51
King ■		19	East Academy	-2%	51
Stowe	-6%	19	Howe	-3%	52
Morris	-14%	20	Moulton	-19%	54
South Union	-9%	21	Walnut Street	-6%	57
Hillis	1%	21	Casady	6%	57
Perkins	-4%	22	Welcome Center	-2%	60
Brubaker	-12%	23	Harding	-12%	60
Greenwood	-8%	23	Cowles	-2%	61
Hanawalt	-9%	24	Lincoln	0%	62
Carver	-7%	25	Mann (Jackson)	1%	62
Samuelson	-9%	27	Central Campus ♦	-15%	63
Goodrell	-6%	27	Hoyt	-4%	65
Windsor	24%	28	Lincoln South	-4%	65
Oak Park	-10%	28	Hoover/ Meredith	1%	66
Callanan	-17%	30	Madison	-14%	67
Weeks	-6%	33	Lovejoy	-6%	68
Cattell	-7%	34	Hiatt	-7%	69
Capitol View	-12%	35	East	12%	71
McKinley	-13%	39	Studebaker	-10%	72
Garton	22%	42	River Plaza	-5%	72
Willard	2%	42	Edmunds	14%	75
Monroe	-20%	43	McCombs	-25%	81
Hubbell	-6%	43	Merrill ~	-3%	82
River Woods	-25%	45	Van Meter	-6%	82
Pleasant Hill	-4%	46	Brody	-2%	84
Findley	-8%	46	McCombs Greenhouse	-12%	89
Downtown School	8%	47	Roosevelt ♦	-5%	89
Aviation Lab	-7%	47	Park Ave	0%	91
Jefferson	-13%	48	North	-4%	95
Phillips	-3%	48	Smouse	-7%	104

■ Building under construction comparison year 2008-09
♦ Building unoccupied part of comparison year 2008-09
● Building occupied during renovations
~ Meter problem resolved, corrected data

Visit www.dmps.k12.ia.us for more details of the district's energy mission and building performance.

Tell us about it! Do you want to share your ideas for saving energy or helping our environment? Or want to let us know about your projects? E-mail

lisa.simpson@dmps.k12.ia.us.

