

What's the Buzz?

Energy-Saving Strategy for the Month

Over winter break, there will be more gym lighting replacements, which will reduce fixtures and increase lighting levels with a return on investment in eight months. For people who use the gym, this means not waiting for the lights to come on or having to leave lights on all the time, which will save energy.

We want to hear from you!

Share your energy-related questions, comments, suggestions or projects and they may be included in our *Energy Report Card*. Let us know if you have a co-worker or student with a green attitude? Just send the information about who, what, where, when and how to lisa.simpson@dmps.k12.ia.us.

Did You Know?

ENERGY STAR® Building Label Facts for K-12 Schools (as of Dec. 3, 2009)

- 665 ENERGY STAR-labeled K-12 schools in the nation for 2009.
- 31 ENERGY STAR-labeled K-12 schools for 2009 in Iowa, 25 of which are district schools.
- DMPS is currently tied with Nash Rocky Mount Schools with the most ENERGY STAR-labeled K-12 Schools for 2009 in the nation.
- DMPS has the three oldest 2009 ENERGY STAR labeled K-12 schools in the nation — Oak Park 1891, Greenwood 1901, Hubbell 1910.

Source: www.energystar.gov

You can learn more about ENERGY STAR-labeled buildings by clicking on the picture below to visit their Web site.



Winter break provides the district with many opportunities to reduce energy consumption.



Energy Conservation Checklist

- All buildings will operate at a lower temperature (night set back).
- Turn off and unplug electronics (computers, radios, TVs, VCR/DVD players) when not in use. Using power strips can make it as easy as the flip of a switch.
- Turn off and unplug copiers, coffee machines, desk calculators, microwaves, etc.
- Unplug all refrigerators (leave the door open).
- Turn off all lights in your areas, including any display or task lighting.
- Make sure to shut and latch all windows, including storm windows, close window blinds in an upward direction and shut doors.

Thank you for helping to conserve our energy resources.



In the Spotlight ...

Sustainability in the Classroom at East

East High School environmental teachers Kate Larson and Adam Puderbaugh are working with their students on a yearlong project learning environmental stewardship and sustainability.

“The purpose of our project is to teach our students about sustainability and land management. The students were provided with 20 acres of fictional land and a house. Throughout this curriculum year the students are learning about:

- Land stewardship
- Agricultural sustainability
- Waterway preservation
- Forest management
- Waste management
- Energy generation
- Green home remodeling



The students are then asked to apply what they have learned in the management of their property. We have given them \$75,000 to make their land and house as economically and ecologically sustainable. Currently, they are working on the agricultural side of the project and are focusing solely on presenting choices and rationale for ground cover and livestock; most importantly, focusing on increasing biodiversity, all-season food production, nutrient sustainability and restoration.”

ENERGY REPORT CARD



Recycle! Visit these Web sites:

- ◆ **Metro Waste Authority**
www.mwatoday.com
- ◆ **City of Des Moines**
www.ci.des-moines.ia

District Schools Recycle

This fall, Moulton had a concrete slab poured for a recycling dumpster. Now, all the district's schools have been supplied with a recycling dumpster for cardboard and paper. High school environmental classes have worked on recycling programs in the high schools for some time. Many of the district's schools have recycling programs. Kyle Black, Director of Custodial Services, encourages schools to collect old Metro Waste recycling bins for the classrooms, then students and staff can work together to recycle. Kyle added the district purchases many recycled products, like paper towels and toilet paper. For years, the Facility Management Department has been disassembling broken chairs and desks to recycle the steel, according to Dave Silver, Director of Facility Management. If you would like more information on DMPS recycling, you can e-mail Kyle Black at kyle.black@dmeps.k12.ia.us.



Energy-related questions? E-mail lisa.simpson@dmeps.k12.ia.us.

YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2009 – October 31, 2009

(measured in kBtu/sq ft)

Ranked Lowest to Highest Energy User

Site	% Chg as compared to '08-'09	kBtu/SqFt	Site	% Chg as compared to '08-'09	kBtu/SqFt
◆ Wakonda Ste 23		0	Cattell	-2%	10
◆ McKee		3	Harding	-6%	10
Facility Mgmt	-4%	4	Carver	-2%	10
Windsor	-33%	5	• Central Campus		11
Stowe	-14%	5	Lincoln South	6%	11
Hillis	-12%	5	Jefferson	-15%	11
Wright	-4%	5	Weeks	5%	11
McCombs			• Roosevelt		12
Greenhouse	36%	5	Moulton	-32%	12
Perkins	-6%	6	East Academy	-13%	12
Samuelson	-34%	6	McKinley	2%	12
▪ King		6	Capitol View	0%	13
South Union	-3%	7	Hoover/ Meredith	-6%	13
Cowles	-11%	7	◆ Central Academy		13
Greenwood	-16%	7	Lovejoy	-3%	14
Morris	-19%	7	Downtown School	-10%	14
Howe	36%	8	Hoyt	-12%	14
Brubaker	-17%	8	Welcome Center	-7%	14
Casady	15%	8	Park Ave	14%	14
Mann (Jackson)	32%	8	River Woods	-22%	14
Hanawalt	-10%	8	Studebaker	-11%	16
Goodrell	-18%	8	North	6%	16
Aviation Lab	-9%	8	River Plaza	-3%	16
Findley	-17%	9	Lincoln	-6%	17
Oak Park	-8%	9	Merrill	47%	17
Willard	-10%	9	East	-4%	17
Madison	-26%	9	Edmunds	3%	17
Callanan	-26%	9	Smouse	-7%	18
Hubbell	-4%	9	McCombs	-16%	19
Hiatt	-8%	10	Van Meter	-26%	20
Monroe	-21%	10	Brody	-19%	22
Pleasant Hill	-3%	10	Walnut Street	-9%	22
Garton	-17%	10			
Phillips	-10%	10			

- Building under construction prior year
- Building occupied during renovations
- ◆ Building unoccupied part of comparison YTD

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

