

What's the Buzz?

Central Campus now has an Iowa Energy and Sustainability Academy! According to the instructor, Larry Beall, "The IESA is about giving the students a background in current and alternate or future energy systems, conservation or recycling our present resources and the global theme of sustainability." Look for updates on the class and articles from the students throughout the school year!



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2010

Recycling Saves Energy! Tips from ENERGY STAR®

You may not think of your business' paper use as an area to save energy, but it is. Paper manufacturers in the U.S. consume a significant amount of energy each year in the production of paper – not to mention the energy spent harvesting and shipping trees, and shipping paper products to your business. There are some simple steps you can follow to optimize your use of this valuable resource that will save money, reduce waste, protect our nation's forests and reduce energy consumption!

- Use double-sided printing and copying.
- Distribute documents electronically instead of in hard copy when feasible.
- Select paper products with a high recycled content.
- Recycle as much of the paper products you use as possible.

Source: www.energystar.gov



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ENERGY REPORT CARD

September 2010



Des Moines Public Schools Expands Recycling Program

The Des Moines Public School District staff and students are committed to utilizing conservation actions and strategies to optimize our limited resources and reduce the environmental impact to contribute to a healthy, sustainable world.



Reduce, Reuse, Recycle

"The goods we throw away require energy to create and by recycling some of those goods you can save energy and minimize emissions. In most cases it takes more energy to create a new product than it takes to produce something from a recycled good. By recycling more we can minimize the waste we send to landfills and reduce greenhouse gas emissions. The average recycling rate for the United States is 30.6%. If the recycling rate increased to 35%, greenhouse gas emissions from waste could be reduced by 67 pounds of CO₂ equivalent per person. Recycling is an essential part of EPA's overall plan for reducing the amount of waste we generate. Recycling turns materials that would otherwise become waste into valuable resources and generates a host of environmental, financial, and social benefits. Materials such as glass, metal, plastics, and paper are collected and sent to facilities that can process them into new materials or products. This process redirects millions of tons of waste away from landfills and incinerators and helps reduce deforestation and the production of greenhouse gas emissions."

Source: www.epa.gov

Effective July 1, Des Moines Public Schools has contracted with Waste Management to increase recycling. You will be able to participate in single stream recycling just like at home! Our goal is to increase recycling by an estimated 20 percent for fiscal year 2010-11.

What can be recycled?

- Mixed paper: junk mail, phone books, magazines, coloring books, white/colored paper, shredded paper (needs to be in a paper sack or box), newspapers.
- Cardboard boxes: must be broken down to allow for more room in the dumpster.
- Glass bottles: any color, any size, no lids.
- Cans—clean

What schools need to do ...

- Promote, explain and teach the importance of the 3 R's (Reduce, Reuse, Recycle). Use the instructional tools on the Waste Management website. (see reverse side)
- Encourage students and the community to donate old recycling containers or provide boxes for recyclable materials.
- The district grant team is looking for grants to assist with future recycling needs. I.e.—classroom containers.
- Create teams to take materials to the building recycling container.

Check It Out



Waste Management has a partnership with Discovery Education where they offer teachers and students free resources on www.thinkgreen.com/classroom. These resources include lesson plans, videos, interactive activities and more, and are designed for teachers and students from grades K-12.

The newest additions to the site can be found at www.thinkgreen.com/earthdayideas

Interested in a field trip to the recycling center? You can contact Gary McClain at 745-8480 to set up a time. Their goal is to have it on their website and on DVD in the future so it can be viewed in the classroom.



Not sure about the what, how, and where to recycle? Visit Waste Management's Authority's website at www.mwatoday.com to learn what you can recycle, what you can't, and **what happens to all that stuff**. (click to view a cool video of the Curb it! Processing Facility)

Energy Awareness Month

October is Energy Awareness Month! Let us know what kind of projects or lessons that you are planning and check out our website under facility services for helpful energy conservation information. www.dmps.k12.ia.us

ENERGY REPORT CARD

YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2010 – July 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 '09-'10	kBtu/ Sq Ft	Site	% Chg as compared to '09-'10	kBtu/ Sq Ft
Howe	34%	0	Callanan	31%	2
McKee	54%	0	Carver	-4%	2
Mitchell [■]		0	Central Campus [*]		2
Moore (Scavo) [■]		0	Downtown School	-2%	2
Aviation Lab	20%	1	East	17%	2
Capitol View	-46%	1	Garton	-8%	2
Casady	-31%	1	Hanawalt	2%	2
Cattell	-38%	1	Hoyt	19%	2
Cowles	60%	1	Hubbell	30%	2
Dean Operations Center [*]		1	Jefferson	16%	2
Findley	1%	1	Lincoln	9%	2
Goodrell	9%	1	Lovejoy	-33%	2
Greenwood	33%	1	McKinley	14%	2
Harding	-9%	1	Merrill	-12%	2
Hiatt	-58%	1	Monroe	-2%	2
Hillis	21%	1	Oak Park	10%	2
Jackson [■]		1	Phillips	19%	2
King	74%	1	Roosevelt [*]		2
Lincoln South	29%	1	Weeks	34%	2
Madison	34%	1	Willard	2%	2
McCombs Greenhouse	111%	1	Central Academy	12%	3
Morris	-4%	1	Edmunds	-9%	3
North	-12%	1	Hoover/Meredith	9%	3
Park Avenue	-32%	1	McCombs	1%	3
Perkins	-2%	1	Moulton	11%	3
Pleasant Hill	24%	1	River Woods	4%	3
Samuelson	24%	1	Smouse	44%	3
South Union	-15%	1	East Academy	170%	3
Stowe	18%	1	Welcome Center	13%	3
Windsor	92%	1	Brody	-11%	4
Wright Elementary	121%	1	River Plaza	30%	4
Brubaker	14%	2	Studebaker	76%	4
			Van Meter	20%	4
			Walnut Street	-4%	5

- Building under construction comparison year 2009-10
- ◆ Building unoccupied part of comparison year 2009-10
- Building occupied during renovations

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.

