

ENERGY REPORT CARD

March 2010

What's the Buzz?

"Based on our current budget deficiencies our commitment to energy savings becomes an even greater focus. As you know, energy costs directly impact our general fund. We must continue to explore new savings opportunities and maintain those we have previously found. Through this economic downturn, our commitment to reduce utility costs must continue to be a priority. Thanks for helping us optimize our limited resources."
~ Bill Good, COO



Did You Know?

"Every appliance comes with two price tags: what it costs to take it home and what it costs to operate and maintain it each month. ENERGY STAR®-qualified appliances incorporate advanced technologies and use 10 to 50 percent less energy than standard appliances. From refrigerators to clothes washers, ENERGY STAR-qualified appliances save energy, save money, and help reduce emissions of greenhouse gases and air pollutants at the source."

Source: www.energystar.gov

Click on the logo below to learn more about ENERGY STAR-qualified products.



Working together, everyone from the building chief to the students can conserve energy and reduce our environmental impact.



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 makers, 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.

Personal Appliances



We need to continue to reduce the number of personal appliances in our school district, because of the reduction that has on our energy costs.

While many companies have gone to great lengths to minimize energy consumption in primary facility systems (HVAC, lighting, kitchen appliances, etc.), personal appliances brought into the facility by employees are defeating these efficiency efforts. The typical power rating and annual energy consumption in an office environment for each of these appliances is:

Appliance	Average Power (Watts)	Annual Operating Hours	Annual Energy (kWh)
Space Heater	1,500	500	750
Mini-Fridge, 3 cu ft ENERGY STAR®	150	Year-Round	320
Microwave	1,000	125	125
Portable Fan	180	500	90
Coffee Pot/Warmer	300	250	75

Annual Energy (kWh) = Power (kW) x Hours

How much does it cost to operate these personal appliances per year? Assuming an electricity rate of \$0.10/kWh and a total annual energy consumption of 1,360 kWh, it would cost \$136 per room or cubicle.

Some might argue that because their mini-fridge is an ENERGY STAR-rated appliance, it would make more sense for them to use it rather than a larger, older, inefficient fridge available to everyone. However, a larger, older, worn-out fridge still uses about 20 percent less energy per cubic foot than the average ENERGY STAR® mini-fridge.

To view the entire article, click [MidAmerican Energy eBiz](#).
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Tax Credits

Have you purchased an energy-efficient product or renewable energy system for your home? You may be eligible for a federal tax credit. Click this link www.energystar.gov to learn more.

Consumer Tips From the Department of Energy (DOE)

Whether you are purchasing an energy-efficient product, auditing your home energy use, or saving on transportation costs, the following link will provide the information you need to help save energy and money:

www.energy.gov



You can visit the MidAmerican energy-efficiency Web site by clicking on the logo above.

The MidAmerican Energy Advantage program offers rebates to customers who purchase and install qualifying heating, cooling and water heating equipment and qualifying appliances. Click **Rebates** for more information.

Visit MidAmerican's **Energy for Education Web site** or **Energy Efficiency World**, which provide electric and natural gas safety and energy conservation materials for teachers and students grades kindergarten through ninth-grade.

YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2009 – January 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 ♦		1	Phillips	-6%	35
McKee ♦		10	Central Academy	-16%	36
Hillis	-13%	13	East Academy	-6%	36
King ■		13	Casady	-1%	38
Stowe	-10%	14	Howe	-3%	38
Morris	-21%	15	Moulton	-22%	38
Perkins	-9%	15	Cowles	-9%	40
South Union	-11%	16	Harding	-14%	41
Brubaker	-15%	17	Mann (Jackson)	-1%	41
Greenwood	-11%	17	Welcome Center	-3%	42
Hanawalt	-10%	18	Central Campus •	-17%	43
Samuelson	-20%	18	Walnut Street	-7%	44
Windsor	6%	18	Kurtz	-7%	45
Carver	-7%	19	Lincoln	-5%	45
Goodrell	-11%	19	Hoyt	-6%	46
Oak Park	-11%	21	Madison	-14%	46
Callanan	-21%	22	Hoover/ Meredith	0%	47
Capitol View	-23%	23	Lovejoy	-8%	48
Cattell	-15%	25	East	5%	49
Weeks	-8%	25	Edmunds	1%	49
McKinley	-16%	27	Hiatt	-3%	50
Garton	3%	28	Roosevelt •	-21%	51
Hubbell	-11%	29	River Plaza	-5%	52
Monroe	-26%	30	Studebaker	-11%	52
Willard	0%	30	McCombs		
Aviation Lab	-11%	32	Greenhouse	-21%	53
Findley	-11%	32	Merrill ~	-12%	54
Pleasant Hill	-5%	32	McCombs	-26%	57
Wright	-2%	32	Brody	-7%	60
Downtown School	3%	33	Park Ave	-8%	60
Facility Mgmt	-8%	33	Van Meter	0%	61
River Woods	-33%	33	North	-3%	67
Jefferson	-17%	34	Smouse	-10%	72

- Building under construction comparison year 2008-09
- Building occupied during renovations
- ♦ Building unoccupied part of comparison year 2008-09
- ~ 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.