

Appreciation Corner

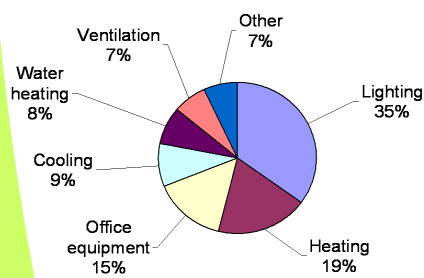
- Thanks to everyone for remembering to turn off lights and to shut down computers.
- Good work goes to the electricians who have just completed a project to change the exit lighting to LED, which will save more on energy and pay for itself in two years.

Did You Know?

Electric lighting represents almost one-third of total energy costs.

Source: www.energystar.gov

Energy Usage in School Buildings



Source: Energy Information Administration

How Are We Doing?

- The district has saved \$563,905 in utility costs from July 2008 – March 2009 compared to the same period last year!
- This fiscal year to date:
 - 11% reduction in utility costs
 - 8% reduction in utility use

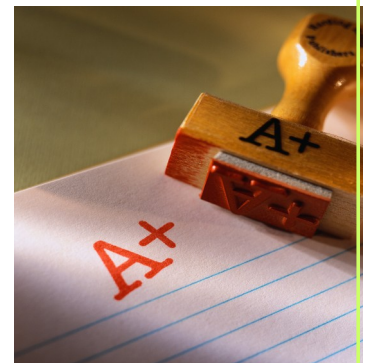
Source: LPB Utility Manager Pro/MidAmerican
Compared to 2007 – 2008

Contributing factors for decrease in energy use and costs

1. Lower gas prices
2. Energy conservation efforts by all staff and students
3. Tightening control parameters with (EMS) Energy Management System
4. Incorporating energy savings strategies
5. Shutting down some vacant buildings
6. Monthly monitoring of energy use, attacking problems

High-Performing, Energy-Saving Schools

1. Stowe
2. Hillis
3. Windsor
4. Morris
5. Perkins
6. South Union
7. Greenwood



View the next page to see where your school ranks for the school year!



In the Spotlight ...

Lighting upgrades in gyms at Hoover, Wright and Jefferson has cut lighting fixtures by half, reducing greenhouse emissions and increasing lighting level by 10 percent. These projects will pay for themselves in two years. Next up are Merrill, Brody and Meredith for gym lighting upgrades.

Energy related questions? You can e-mail Lisa at lisa.simpson@dmps.k12.ia.us

ENERGY REPORT CARD

Continued

The national average for energy consumption in education buildings is 83 kBtu/sq ft.

Source: Energy Information Administration
2003 CBECS Survey

WHAT IS BTU??

Energy sources are expressed in different units, but their energy content can be compared using British thermal units (Btu). The Energy Information Administration uses the British thermal unit (Btu) as its common energy unit.

A Btu is approximately equal to the amount of energy that comes from burning one wooden kitchen match. A Btu isn't an everyday term to most people, but you might see it on your energy bill or in a newspaper article.

Because a Btu is such a small unit of energy, there are tens of thousands of Btu even in one gallon of gasoline. The term kBtu means in thousands; mBtu means in millions.

Source: Energy Information Administration
www.eia.doe.gov



YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2008 – March 31, 2009

(measured in kBtu/sq ft)

Ranked Lowest to Highest Energy User

Site	% Chg as compared to '07-'08	kBtu/SqFt	Site	% Chg as compared to '07-'08	kBtu/SqFt
Stowe*		22	Mann	9.40%	63
Hillis*		22	Jefferson	-1.10%	64
Windsor	40.70%	27	Mitchell	-31.00%	65
Morris	-17.50%	27	Welcome Center	-8.00%	70
Perkins	-4.70%	28	Cowles	-13.50%	72
South Union	-4.70%	29	Kurtz	-14.60%	74
Greenwood	-9.00%	30	Harding	-1.60%	74
Samuelson*		31	Edmunds	-6.10%	76
Hanawalt	-12.50%	33	River Woods	-8.40%	76
Brubaker	-8.50%	33	Hoover/Meredith	-15.30%	76
Carver	26.40%	34	Walnut Street	-2.60%	77
Central Academy*		35	East High	-10.30%	77
Goodrell	30.00%	36	Lincoln	-13.60%	79
Oak Park	-12.90%	38	Hoyt	-15.80%	80
Merrill	-30.40%	38	Jackson	-7.50%	81
Garton	0.60%	44	Hiatt	-1.70%	81
Weeks	-6.20%	44	Moore	0.10%	82
Callanan	-8.10%	44	Moulton	-8.70%	82
Cattell	-10.70%	45	Madison	-2.50%	84
Willard	-11.40%	49	Central Campus	-6.30%	84
Pleasant Hill	-4.90%	54	Lovejoy	-3.30%	85
Facility Mgmt	-25.10%	54	River Plaza	9.70%	87
Walker St	44.70%	54	Studebaker	-4.30%	88
Capitol View	-13.20%	56	McCombs		
Wright	21.70%	57	Greenhouse	-15.80%	94
Findley	-9.80%	58	Van Meter	-8.70%	107
McKinley	-11.00%	58	Park Ave	-1.10%	108
Phillips	-17.60%	59	North	-1.30%	112
Casady	-19.10%	59	Roosevelt	3.00%	114
Howe	-5.80%	60	Smouse	0.30%	124
Hubbell	-36.40%	60	McCombs	-5.00%	124
Monroe	-14.30%	62	Brody	-8.90%	130
Downtown School	-0.80%	63	Wakonda	-2.10%	136

*Buildings under construction prior year

Buildings performing over the national average are shown in red