

What's Buzzing in the Buildings

OFFICIAL COMPETITOR



Battle of the Buildings

DMPS has 62 facilities taking part in the EPA's 2013 Battle of the Buildings. Their national competition involves more than 3,200 participants with the goal being to cut energy waste with help from EPA's ENERGY STAR program. Follow along as we make our way to the winner's circle next April at www.energystar.gov/BattleOfTheBuildings!



TURN 'EM OFF!!!!

*All unoccupied spaces must have lights turned off; this includes lamps and decorative lighting.



*Staff should be helping each other; turning lights off in unoccupied rooms, even if it's not their room.

*Instructors could use only half of their lights during planning time.

*Gym and cafeteria lights are to be off if space is not in use.

*Ensure that occupancy sensors are not blocked.

*As a reminder, Heating/Cooling problems are to be directed to the Head Custodian. If they are unable to resolve a the problem, a work order will be put in and custodian must contact Facilities.



ENERGY REPORT CARD

October 2013

OCTOBER IS ENERGY AWARENESS MONTH



A Sustainable Energy Future; Putting All the Pieces Together, is this year's Energy Awareness Month theme. Here are some things you can do to take control of your electricity use and see how you fit into the big picture:

- Survey your incandescent lights for opportunities to replace them with compact fluorescents (CFLs) or light-emitting diodes (LEDs). CFLs can save up to three-quarters of the electricity used by incandescents.
- Turn off the lights in unoccupied rooms or consider installing timers, photo cells, or occupancy sensors to reduce the amount of time your lights are on.
- Install a programmable thermostat that can be adjusted according to your schedule.
- Review strategies to reduce your water heating bills. Water heating can account for 14%-25% of the energy consumed in your home.

DMPS temperature guidelines for our buildings:

For Heating: Pre-school through 5th grade = 70—72 degrees

6th grade through 12th grade = 68—69 degrees

Offices = 68 degrees

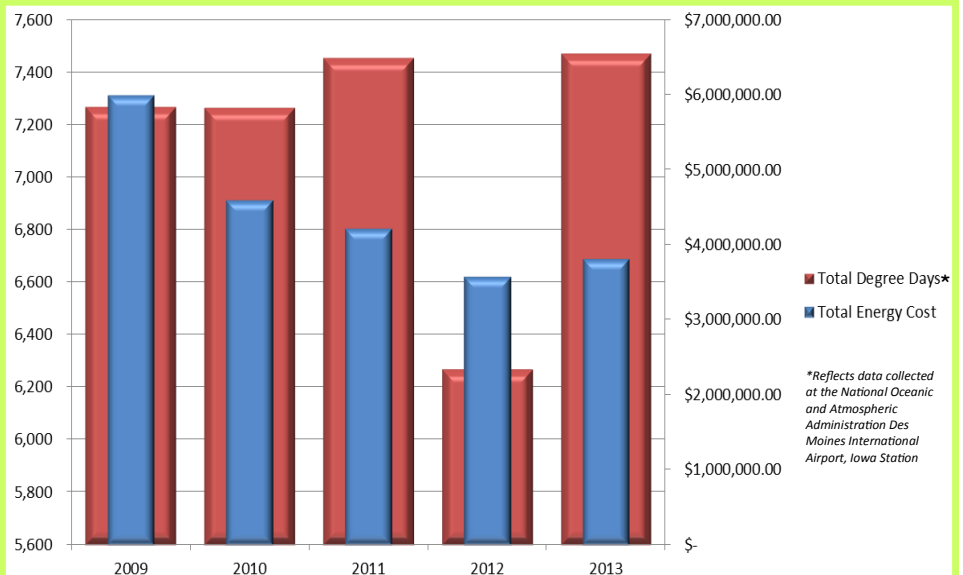
Hallways = 65 degrees (maximum)

Unoccupied temperature= in night set back (nights, weekends & holidays)



For Cooling: 75 degrees for classrooms and 78 degrees for common areas

DMPS buildings required less energy in 2013 despite less mild weather conditions



Total degree days include both heating and cooling degree days, which are a comparison of average daily temperatures to a set standard (65° F). A simple way to state this is that the colder it is, the greater the number of heating degree days you will have. The warmer it is, the greater the number of cooling degree days. Looking at the chart, we see that as DMPS buildings become more energy efficient, even large increases in annual total degree days require less energy to keep our buildings comfortably heated and cooled.

Des Moines Public Schools Energy Conservation Computers are automatically shut off at 6p.m.

ENERGY REPORT CARD

YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2012– June 30, 2013

Percentage change as compared to same time period from previous year.

Site	Total Energy (mBtu)	% Chg	kBtu/SqFt	
Studebaker	1,555	-51.30%	34	●
Hiatt	2,954	-51.10%	29	●
McCombs	4,243	-44.30%	48	●
Lovejoy	1,653	-19.10%	42	●
Moulton	7,834	-16.20%	64	●
Stowe	1,106	-11.10%	19	●
Hoover/Meredith	17,221	-9.20%	58	●
CNC	12,187	-9.00%	217	●
Mitchell	1,039	-8.40%	33	●
Roosevelt	15,007	-6.50%	63	●
Morris	1,688	-5.60%	24	●
Jefferson	2,044	-5.20%	48	●
Goodrell	2,954	-3.50%	27	●
Carver	2,254	-3.30%	25	●
McKee	691	-1.50%	16	●
Walker Street	2,075	-0.50%	39	●
McKinley	2,603	0.60%	52	●
Oak Park	1,907	0.70%	32	●
King	1,176	0.90%	22	●
Jackson	1,353	2.10%	30	●
Central Campus	29,400	2.40%	64	●
South Union	1,979	4.30%	29	●
Madison	1,639	5.70%	39	●
Greenwood	1,755	6.20%	28	●
North	14,484	6.20%	58	●
Windsor	1,582	7.80%	26	●
Howe	1,028	8.00%	27	●
Central Academy	4,680	8.40%	54	●
Moore (Scavo)	2,455	8.90%	54	●
Lincoln	23,080	9.00%	74	●
Prospect	7,545	9.10%	144	●
East	23,656	10.40%	69	●
Woodlawn	1,158	10.50%	25	●
Weeks	4,842	11.30%	43	●


Site	Total Energy (mBtu)	% Chg	kBtu/SqFt	
Capitol View	2,974	11.60%	39	●
Wright	1,122	11.70%	37	●
Garton	2,431	12.00%	37	●
Perkins	1,623	12.30%	29	●
Walnut Street	8,162	12.60%	70	●
Harding	4,958	13.10%	40	●
Cowles	1,701	13.40%	39	●
Hubbell	2,563	13.60%	48	●
Willard	2,709	13.90%	46	●
Callanan	4,530	15.40%	39	●
Park Avenue	2,255	16.00%	39	●
Phillips	2,234	16.70%	53	●
Cattell	1,978	17.10%	41	●
Samuelson	1,683	17.30%	30	●
Welcome Center	426	17.90%	69	●
Monroe	4,332	19.20%	59	●
McCombs Greenhouse	1,247	19.60%	102	●
Hillis	1,514	20.10%	26	●
River Woods	3,575	20.30%	60	●
Aviation Lab	744	21.10%	52	●
Merrill	4,596	22.90%	51	●
Hoyt	8,187	23.40%	82	●
Kurtz	7,838	23.90%	74	●
Casady	3,209	24.50%	73	●
Smouse	5,791	28.30%	108	●
Brody	5,694	28.50%	42	●
Dean Operations Center	4,070	28.90%	42	●
Van Meter	6,482	28.90%	113	●
Hanawalt	1,475	29.10%	34	●
Brubaker	2,400	30.60%	31	●
Pleasant Hill	1,960	34.00%	144	●
Findley	3,547	56.80%	90	●

Blue indicates ENERGY STAR labeled building

Note: Results reflect the comparison of energy uses for the periods of July 2011-June 2012 and July 2012-June 2013. Weather conditions during the July 2011-June 2012 period were more mild than those observed during the period of July 2012-June 2013.

Visit www.dmschools.org 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 Michelle.Chalkey@dmschools.org

Key



- Increase in energy use
- Maintaining energy use
- Decrease in energy use