

Wrapping up Another Successful Year



Board members and the District's Energy Team accepted the EPA Partner of the Year awards in Washington, D.C. this April.



Battle of the Buildings Finishers

Congratulations to **Studebaker**, **McCombs** and **Moulton** for their excellent standings in the EPA's Battle of the Buildings competition.

Studebaker

7th out of 3,000+ buildings nationally

Reduced its energy use by 31.9%

\$14,274 saved in energy costs

McCombs

8th out of 3,000+ buildings nationally

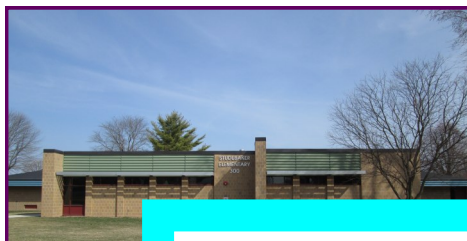
Reduced its energy use by 29.7%

\$46,694 saved in energy costs

Moulton

Reduced its energy use by 23.3%

\$23,645 saved in energy costs



"We focus on the little things that make a big difference. We shut off lights, projectors and document cameras when not in use. We also shut our classroom doors to get the full benefit of our geothermal system."

Brian Crook, Studebaker Principal



ENERGY STAR

3-Peat Partner of the Year Recipients

- Sustained Excellence
- Climate Communications

For the third consecutive year, DMPS has received a Partner of the Year Award from the EPA. The District was selected for the 2014 Energy Star Partner of the Year Award for Sustained Excellence and Climate Communications. Fifty-three DMPS buildings are currently Energy Star rated.

Through projects, better appliance choices and educating staff and students about energy conservation, DMPS has reduced its overall energy expenditures by \$2.8 million over the last five years.



DMPS Board members Cindy Elsbernd and Connie Boesen



\$\$ Big Rebate \$\$



Ken Setzkorn of MidAmerican Energy presented Superintendent Thomas Ahart with a check for \$549,968 at the school board meeting in April. The check is a rebate for several projects the Energy Team completed in the past year. From window replacements to lighting and mechanical upgrades, DMPS found opportunities to earn back a large portion of the money spent. By improving our district's use of energy, more dollars can be redirected for improving the education of our students.



2014 ENERGY STAR National Building Competition: Team up to Save Energy and Water

DMPS rocked the competition this year, and we're looking to save even more energy and money in 2014! All DMPS buildings are registered for the EPA's 2014 ENERGY STAR National Building Competition. New this year, the EPA will be tracking water usage along with energy usage for each building. Let's work as a team to conserve water and energy this year! Here are a few water-related guidelines for summer employees to help us get started:

- Check the faucets in your classrooms, workrooms and break rooms to make sure they are turned off tightly. Report any leaks to your head custodian.
- Pay attention and report irrigation problems (broken heads, running or pooling water, or browning fields).
- Check toilets and urinals for excessive water rinse. Submit work order to correct any problems noted.



DMPS CHALLENGES STUDENTS TO BE AMAZING

Next fall, the Energy Team will distribute voluntary energy audit surveys which can be completed by students and their teachers. We want students to be more aware and involved in making choices to help conserve energy. The survey will be completely voluntary, but staff and teacher encouragement will be greatly appreciated.



Happy Summer Vacation!

Before you go, we need your help

The frigid cold temperatures during the winter months took their toll on our buildings. A 13% increase in total degree days since 2013 resulted in a 23% increase in energy use and about a 10% increase in our energy costs. The Energy Team is prepared to get the District back on our feet. Over the summer months, we will be re-lamping several schools and executing projects that will result in energy savings.

The Energy Team is committed to honoring our Sustained Excellence Award from the EPA. We are going to do everything it takes to keep our buildings running efficiently over the summer months, but we need your help. Before packing up your classrooms and offices, please follow these summer shutdown guidelines:



Turning off a computer monitor at night and on weekends can save more than \$50 per year per monitor.

Source: Department of Energy

Choose appliances without a built-in clock/timer. The power supply converts 120 volts of alternating current to low-voltage direct current. This consumes 20-1000 watts/day, enough to run a CFL continuously for 10 hours.



Source: ENERGY STAR

Sustained Summer Shutdown

1. Remove all materials from heating/ventilation units. We do ventilate in early morning hours to help cool the building with outside air.
2. Take all plants and animals home.
3. Turn off and unplug any task or display lighting in your room. Please replace incandescent light bulbs with CFLs. See building custodian for bulbs.
4. Check the faucets in your classroom or work room to make sure they are turned off tightly. Report any leaks to your head custodian.
5. Turn off and unplug all unnecessary electric appliances (copiers, monitors, printers, scanners, TVs, VCR/DVD players, fax machines, radios, water coolers, stereos, etc).
6. Empty, turn off and unplug all refrigerators.
7. The district is not responsible for personal items left in building during break.
8. Enjoy your summer!

25 to 30% of a building's energy use goes toward interior and exterior lighting. The most effective way to reduce energy consumed by lights is to shut them off when not in use.

Source: US Environmental Protection Agency

From Instructor Larry Beall

The students of IESA at Central Campus have been busy this spring. They have engaged in several events which support their curriculum goals and allow them to have fun at the same time.

On April 22, the class hosted the annual Earth Day celebration at Central Campus. Several hundred students, staff, community members and administration attended the event. There were displays covering all major environmental topics from endangered species to energies and upcycling.

DeSoto Bend



The first event was a trip to DeSoto Bend in western Iowa. DeSoto Bend is a wildlife refuge that is the gateway for birds making their trip to and from their winter/summer homes. It is also an ongoing area to study a special river ecosystem with the ever-changing Missouri river system.

Earth Day



WATER WORKS

The students were treated to a day at Water Works Park in Des Moines, put together by staff from Polk County Conservation. The events were varied, fun, and reinforced activities and topics from class.

The students participated in three areas that relate to water quality and water use in Iowa. The first station was to study water quality. Students completed water testing for chemicals and critical biologics.

The students spent part of their day in the removal of invasive plant species. This ensures the survival of native species and the overall health for all plants and animals.

The last event on the day's agenda was canoeing! The students had a great time canoeing around one of the Water Works ponds. One of the best ways to appreciate and discover Iowa's waterways is by doing a canoe trip.

ENERGY REPORT CARD

YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2013—August 30, 2014

Percentage change compared to same time period of last year

Site	Total Energy (MBtu)	kBtu/SqFt	% Chg		Site	Total Energy (MBtu)	kBtu/SqFt	% Chg	
Findley	1,213	28	-63.3%		Phillips	2,256	54	10.1%	
Pleasant Hill	929	23	-47.7%		McKinley	2,500	50	10.5%	
Jefferson	1,359	30	-31.7%		Hoover/ Meredith	18,983	63	11.4%	
Park Avenue	1,825	28	-9.1%		Cowles	1,719	39	12.6%	
Hoyt	7,200	72	-5.7%		Central Academy	4,750	55	12.8%	
McCombs	3,700	42	-3.8%		Willard	2,763	47	13.3%	
Woodlawn	1,012	22	-3.3%		Hubbell	2,665	50	13.6%	
Hanawalt	1,279	30	-1.3%		Hillis	1,529	26	13.8%	
Prospect	6,931	132	-0.6%		Mitchell	1,023	32	13.9%	
Carver	1,961	21	0.8%		Windsor	1,604	27	13.9%	
Samuelson	1,535	27	2.4%		Central Nutrition Center	12,713	226	15%	
Walnut Street	7,176	62	3.8%		King	1,208	22	16.1%	
Brubaker	2,158	28	4.2%		Greenwood	1,808	29	17.4%	
Morris	1,542	22	4.2%		Capitol View	3,197	42	18.3%	
Madison	1,473	35	4.5%		Howe	1,198	31	23.1%	
Lovejoy	1,534	39	4.8%		Garton	2,711	41	24.4%	
Cattell	1,924	40	6%		River Woods	4,037	67	25.4%	
Kurtz	7,930	74	6.3%		Walker Street	2,347	44	25.9%	
Harding	4,850	39	6.3%		Hiatt	3,384	33	26.3%	
Aviation Lab	739	51	6.4%		McCombs Greenhouse	1,508	124	28.1%	
Perkins	1,519	27	6.7%		Van Meter	7,486	131	28.2%	
Monroe	4,270	58	6.8%		Lincoln	26,632	85	31.5%	
Weeks	4,681	42	6.8%		Callanan	5,315	46	32.9%	
Dean Operations Center	4,115	42	7.2%		Moulton	9,691	80	33.7%	
Wright	1,050	35	7.2%		Studebaker	1,953	43	35.8%	
Welcome Center	418	67	7.4%		Roosevelt	18,172	76	36.5%	
Jackson	1,264	28	7.9%		Moore (Scavo)	3,280	72	39.6%	
McKee	688	16	8.4%		Merrill	6,246	70	49.2%	
Brody	5,605	57	8.8%		Central Campus	40,871	89	52.5%	
South Union	1,878	27	8.9%		East	34,348	100	59.4%	
Goodrell	2,836	26	9.3%		Smouse	8,735	162	62.7%	
Oak Park	1,844	31	9.7%		North	22,378	90	69.1%	
					Stowe	2,291	40	141.2%	
					Edmunds	1,389	18	N/A	



Increase in energy use
 Maintained same usage
 Decrease in energy use

*Edmunds was constructed in 2013; comparable data is not available.

Visit www.dmschools.org for more details of the district's energy mission and building performance. Do you want to share your ideas for saving energy or helping our environment? Or want to let us know about your projects? Tell us about it! E-mail Michelle.Chalkey@dmschools.org