

Welcome Back!

The 2014-2015 school year is under way. DMPS needs the efforts of all staff to help control energy waste. The following **temperature guidelines for our school district are:**

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

6th grade through 12th grade = 68—69°

Offices = 68 °

Hallways = 65° (maximum)

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

Cooling: 75° for classrooms and 78° for common areas

Inside this issue:

Energy Talks	2
Energy Plans	2
Appliance Fees	2
IESA	3
13-14 Report Card	4



DMPS is back in the game for another round of the EPA's National Battle of the Buildings Competition.

Water usage is a new component being measured in this year's competition. Reducing water consumption not only helps to lower the water bill and conserve valuable natural resources, but also helps to reduce gas and electric use, as these are used to provide hot water.

Water-saving Tips:

- ◆ Report leaking pipes, fixtures and seals to your building's head custodian. Small leaks add up to many gallons of water and dollars wasted each month.
- ◆ Make sure water faucet is completely turned off when finished using.
- ◆ Try to do one thing each day that will result in a savings of water. Don't worry if it is minimal.



Bring ENERGY STAR to the Classroom!

In an effort to promote energy efficiency within the District, the DMPS Energy Team wants to help teachers discuss this valuable message in the classroom. Director of Facilities Jamie Wilkerson and Energy and Environmental Specialist Dave Berger would like to visit interested schools and classes. From light bulb efficiency to heating and cooling, discussions are intended to educate students on the efforts the District is making and how they, too, can make an impact. To schedule a visit, please contact Michelle Chalkey at extension 7860.

Did You Know?

Germany comes in first in a new ranking of the energy efficiencies of the world's major economies. According to the "2014 International Energy Efficiency Scorecard" by the American Council for an Energy-Efficient Economy (ACEEE), Germany is followed by Italy, the European Union as a whole, China, and France. **The U.S. placed 13th** of 16 economies ranked.

Get students excited about saving energy with Spider-man! [Click here for a Team Energy Star Activity Booklet.](#)



Are you following your building's energy plan?

Plans regarding how each building can do their part to save energy were put into place during the 08-09 school year. These plans, which can be found [on Sharepoint](#), explain which kinds of personal appliances are permitted and which will cost a fee.

The original district plan was for buildings to provide centralized locations within schools and allow no personal appliances in classrooms or individual offices. Many teachers requested the option to pay for personal appliances for convenience purposes. From a consistency standpoint, the district did not feel this was a good option, but after several staff requests decided to provide the option to those requesting.

Again, the preference is for buildings to provide centralized locations within schools and not have a fee program. Appliance fees for the 2014-15 year will be the same as in the past and are as follows:

- Dorm-sized refrigerator: \$30
- Coffee maker : \$20
- Microwave : \$10

DMPS Approved Appliance

2014/2015 Academic Year

CE-001 Issued by: _____

DMPS Facility Management will issue standardized labels to each building permitting staff-owned small appliances.

The beginning of the year is a good time to look at your building's plan and discuss whether any revisions need to be made. Please send any revisions to Michelle Chalkey, and Facility Management will review.

What's in store for IESA



Welcome to the fifth year of IESA and our partnership with this Energy Report Card. There are exciting things happening already in IESA for the 2014-15 school year.

The first-year students concentrate mainly on energy and ways we obtain energy for heating/cooling and electricity. One of the new ways that is slowly gaining a spot in our society is solar. In IESA we recognize this, therefore we applied for a grant to cover costs in obtaining materials to study solar energy/power.



Last spring the program obtained a grant from the Energy Center at ISU. The grant covered the cost of 100 solar panel kits. The students will be researching solar energy and then will put the kits together. The total cost for the 100 kits was \$10,000. The students are just beginning to look at the kits and gain important background information. The goal is to complete the kits by mid to late October.

The second-year students in IESA are involved in a project that is also exciting and will benefit not only their knowledge in sustainability practices but will also be a great value to the outside areas near the Central Campus and Central Academy buildings.

The second-year students are looking into restoring natural areas to their original native states with native plants. The students will research native



plants and where they can obtain them. They will then go about researching the best way to raise or plant the seeds/seedlings. The end goal is to spruce

up and replace the small natural areas around the buildings with native plants.



One last item of note for IESA is that coming up

on September 25, the program will be honored at the Iowa Energy Summit by the Iowa Energy Center out of ISU for the overall accomplishments the programs has achieved in the 4+ years it has been around and especially the latest project with solar power.

Sincerely,

Larry Beall

Director—IESA at Central Campus

ENERGY REPORT CARD

YEAR-TO-DATE SITE ENERGY USAGE REPORT

There was a 10% increase in the total number of degree days during the 13-14 year compared to 12-13. Degree days provide a way to evaluate the amount of fuel required to heat or cool a building by comparing average daily temperatures to a standard temperature of 65°.

July 1, 2013—June 30, 2014

Percentage change compared to same time period of previous year

Site	Total Energy (MBtu)	kBtu/SqFt	% Chg		Site	Total Energy (MBtu)	kBtu/SqFt	% Chg	
Findley	1,452	34	-59.1%		Weeks	5,327	47	10.0%	
Pleasant Hill	1,104	27	-43.7%		Morris	1,863	26	10.4%	
Hoyt	4,811	48	-41.2%		Greenwood	1,955	32	11.4%	
Jefferson	1,608	35	-25.2%		Mitchell	1,164	37	12.0%	
Prospect	6,054	115	-19.7%		Central Campus	33,027	72	12.5%	
Park Avenue	2,091	32	-7.3%		McKinley	2,928	59	12.5%	
Van Meter	6,238	109	-3.8%		Phillips	2,517	60	12.7%	
Hoover/ Meredith	18,515	62	-2.8%		Cowles	1,917	44	12.7%	
Woodlawn	1,135	24	-2.0%		Oak Park	2,173	37	12.7%	
McCombs	4,178	47	-1.5%		Hillis	1,711	30	13.0%	
Moulton	7,794	64	-.3%		Windsor	1,787	30	13.0%	
Carver	2,356	26	4.5%		Goodrell	3,342	30	13.2%	
Lovejoy	1,734	44	4.9%		Hubbell	2,912	55	13.6%	
Hanawalt	1,551	36	5.1%		Smouse	6,577	122	13.9%	
Aviation Lab	783	54	5.3%		Central Academy	5,374	62	14.8%	
Brubaker	2,527	32	5.3%		Welcome Center	489	79	14.9%	
Wright	1,183	39	5.5%		Moore (Scavo)	2,817	62	15.2%	
Callanan	4,849	42	7.0%		Capitol View	3,439	45	15.6%	
Madison	1,757	42	7.2%		CNC	14,661	261	15.9%	
River Woods	3,843	64	7.5%		McKee	806	19	16.6%	
Perkins	1,745	31	7.5%		Cattell	2,325	49	17.5%	
Dean Operations Center	4,385	45	7.7%		King	1,421	26	20.8%	
Harding	5,344	43	7.8%		North	17,469	70	21.0%	
Jackson	1,458	32	7.8%		Walker Street	2,545	48	22.7%	
Walnut Street	8,827	76	8.1%		Howe	1,367	35	22.8%	
Merrill	4,966	55	8.1%		Samuelson	2,070	37	23.0%	
Kurtz	8,519	80	8.7%		Hiatt	3,664	36	24.0%	
Brody	6,190	63	8.7%		East	29,933	87	26.5%	
South Union	2,159	32	9.1%		Merrill	6,246	70	49.2%	
Willard	2,970	50	9.5%		Central Campus	40,871	89	52.5%	
Lincoln	25,316	81	9.7%		East	34,348	100	59.4%	
Monroe	4,753	64	9.7%		Garton	3,170	48	30.4%	
					Studebaker	2,038	45	31.0%	
					Roosevelt	20,348	85	35.6%	
					Stowe	2,670	47	141.3%	
					Edmunds	1,622	21	N/A	

Increase in energy use

Maintained usage within 10%

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