

Watt's Up?

Recycling Update

At the beginning of the 2010-11 school year, the district implemented a new program that would allow more materials to be recycled.

For the 2009-10 school year, the district averaged 18.78 tons of recycled paper and cardboard per month. By including other materials the district now averages 27.86 tons of per month. That is a 48% increase in recycling!

Way to Go DMPS!
Thank you for all your efforts!

Learn More @

Earth Day 2011 is April 22! The Earth Day Network offers a [K-12 Schools Guide](#) with tips and ideas about how district officials, teachers, students, and parents can get involved in Earth Day activities. Teachers will want to check out this link: <http://earthday.org/education> that has over 400 environmentally focused lesson plans and over 300 pages of school greening instructions. Educators can request environmentally-focused lesson plans for a variety of subjects and grade levels by emailing education@earthday.org. Teachers also are invited to put their school on the [Earth Day Action Map](#), a searchable K-12 idea-sharing platform for Earth Day activities that will plot your teachers' efforts alongside thousands of others who have chosen to support our environment in celebrating Earth Day 2011.



Earth Day 2011

This month the content for the Energy Report Card for Des Moines Public Schools is being put together by the IESA class at Central Campus. IESA (Iowa Energy and Sustainability Academy) is a first year program that studies all the issues associated with energy systems and sustaining this great planet we call home. Each month this year we have had two students write short articles about what we are doing in class. This month is special with Earth Day happening on April 22nd. The IESA class is planning several fun activities for Earth Day and we thought it would be a good idea to present these by having all the students contribute an article for this month's Report Card.

The students articles contained in this issue talk about what we are doing in class and some of the activities we will be doing on Earth Day. We invite anyone and everyone to join us in the lobby of Central Campus from 8:00 – 11:00 am. We will be doing many activities which include demonstrations, crafts, interactive computer simulations, and cleaning up around the Central Campus buildings.

It has been a challenging and rewarding year for the first year of IESA. The students have been outstanding as we have tackled many fun and challenging tasks such as the recycling program at Central Campus. We will continue to grow and invite any parents or students interested in IESA to stop by on the 22nd to see us or contact Central Campus and ask for myself.

The next few weeks and months should be really exciting as the IESA program was just awarded a grant from the Community section of the Iowa Power Fund. The grant is in the amount of \$43,395.00. We will use these funds in three main areas. The first way will be for major equipment purchase. The second will be for smaller scale lab supplies, and finally we will use some funds to enhance the class activities through field experiences.

I hope to see a large turnout for the planned activities on April 22nd. Thanks and think green.

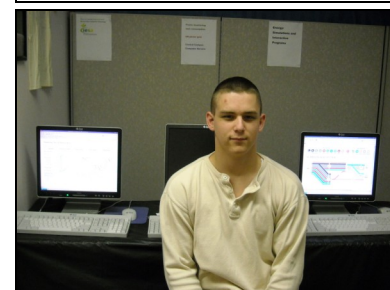
Mr. Larry L. Beall, Director



Payton Pringle's project: wind energy model.



Torey Walker-Zepeda and Jordan Perez project: energy information from MidAmerican Energy



Robert Perks' project: energy computer displays.

To view more of the articles and projects from the students of the IESA (Iowa Energy & Sustainability Academy), click the link or visit our website at www.dmps.k12.ia.us/departments/facilityservices/energyconservation.

New Performance Indicator

Some teachers use a stoplight tool to measure student behavior and performance so we decided to adopt this for the energy usage report.



Increase in energy use
Maintaining energy use
Decrease in energy use

Now, at a glance, you can see energy performance for each building in the district. Starting this month, we will include a green light for a decrease in energy consumption, a yellow light for maintaining the same energy performance or buildings that are footnoted and a red light for an increase in energy consumption. The comparison period will still be fiscal year-to-date to the previous fiscal year-to-date.



Grant to Help IESA

By Jordan Perez, IESA student

Hi my name is Jordan Perez and I am a student at Des Moines Central Campus, in the IESA (Iowa Energy Sustainability Academy) class/program and I will be telling you about our class grants, how we use it and what we will be using it for. This year our class was awarded a whopping \$43,000 grant (Grants are funds from one party, often a government department, corporation, foundation, or trust) from the Iowa Power Fund. We will be using it for lab materials, field trips, and simulation systems. The things we will be getting for the class are a Solar/Wind Energy Training system, and GREENtech Energy Efficiency & Renewable Energy Educational Lab, some of the field trips we have gone on are to Chicago, Iowa State University, and the water treatment plant in Des Moines. We will be going to Minneapolis and the Waste Management in Iowa to learn about alternative energy sources to make a better environment.

ENERGY REPORT CARD

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YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2010 – February 28, 2011

Percentage change as compared to the same time period from previous year.
Ranked by greatest percentage of decrease to greatest percentage of increase.

Site	Total Energy (mBtu)	% Chg	Site	Total Energy (mBtu)	% Chg
Park Avenue	1,492	-68%	McCombs	6,093	-1%
Madison	1,060	-57%	Samuelson	1,301	-1%
Howe	865	-51%	East Academy	2,368	0%
Wright	641	-49%	South Union	1,297	0%
Garton	1,619	-32%	Hoyt	5,756	0%
Windsor	1,117	-23%	CNC	9,293	1%
East	16,916	-20%	Capitol View	2,253	2%
Merrill	4,965	-19%	Greenwood	1,257	2%
Pleasant Hill	1,202	-19%	River Woods	2,491	3%
North•	15,980	-13%	Carver	1,682	3%
Cowles	2,050	-12%	Studebaker	2,915	4%
Harding	5,764	-11%	McKee	552	4%
Hoover/Meredith	15,292	-10%	Perkins	1,122	4%
Downtown School	1515	-9%	Brubaker	1,670	5%
Edmunds	2,726	-9%	Hanawalt	977	7%
Hiatt	6,144	-8%	McKinley	1,792	7%
Central Campus•	22,944	-8%	Roosevelt•	22,510	7%
Morris	1,155	-8%	Prospect	6,190	8%
Goodrell	2,391	-7%	Hillis	1,111	9%
Smouse	4,519	-7%	Van Meter	4,604	10%
Lincoln South	5,866	-7%	Monroe	3,018	10%
Willard	2,055	-7%	Callanan	3,329	10%
Cattell	1,352	-6%	River Plaza	879	11%
Hubbell	1,897	-6%	Casady	2,446	14%
Brody	6,651	-6%	King	1,024	14%
Lincoln	16,118	-5%	Oak Park	1,719	19%
Jefferson	1,754	-5%	McCombs		
Lovejoy	1,822	-5%	Greenhouse	1,153	20%
Walnut Street	5,623	-5%	Moulton	7,268	27%
Aviation Lab	575	-4%	Findley	2,587	64%
Central Academy	3,701	-4%	Mitchell•	658	
Phillips	1,760	-2%	Scavo @ Moore•	2,281	
Welcome Center	320	-1%	Dean Operations		
Stowe	943	-1%	Center♦	3,254	
Weeks	3,286	-1%	Jackson•	1,049	

■ Building under construction comparison year 2009-10

● Building occupied during renovations

♦ Building unoccupied part of comparison year 2009-10
ENERGY STAR labeled building

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.



Recognized by the
U.S. EPA for the superior
energy management
of our schools

2010