

JOIN THE *EPIC* FIGHT TO PROTECT THE CLIMATE



Team ENERGY STAR is a way to get the whole family involved in saving energy. Characters from the movie EPIC help kids learn about the importance of saving energy while having fun. Visit www.energystar.gov to join the team.

OFFICIAL COMPETITOR



DMPS has 62 facilities taking part in the EPA's 2013 Battle of the Buildings. Follow along with our progress at www.energystar.gov/BattleOfTheBuildings. The total square footage of competitors is more than 520 million square feet, which is equivalent to **9,175** football fields.

Bright Ideas in Holiday Lighting



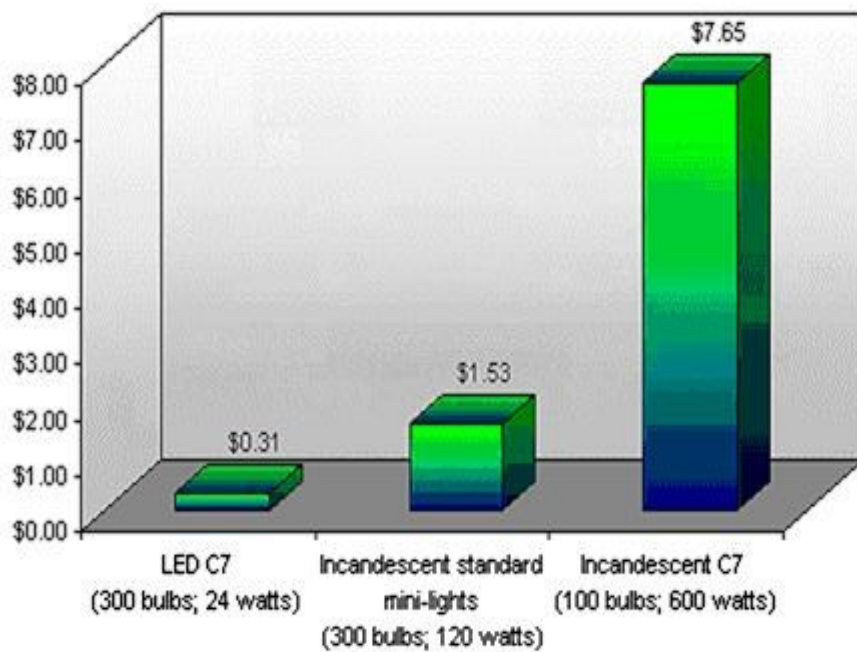
During the holiday season, elaborate lighting displays can add significantly to energy costs. Energy-efficient light-emitting diodes (LED) and fiber-optics can help you save time, energy, and money, while still achieving a bright, attention-getting holiday display.

LEDS come in a variety of colors, shapes, and styles. They can be used in a multitude of applications, and offer a number of advantages compared to traditional holiday lighting technologies, including the following:

- **Increased energy efficiency.** LEDs use one-tenth of miniature lights and 100 times less energy than traditional C7 bulbs.
- **Longer Lifespan.** LEDs last up to 100,000 hours, helping to alleviate replacement costs.
- **Durability.** With their solid-state construction, LEDs are water- and weather- resistant.
- **Improved safety.** LEDs are cool to the touch, reducing the risk of fire through contact with flammable surfaces.

Read the rest of this article from MidAmerican Energy [here](#).

Energy Cost - Holiday Light Options



Energy cost calculated at 8.5 cents per kWh
30 day usage cost (5 hrs/day)



IESA students learn the energy-savvy practices of Mall of America

Taylor Louw
Lincoln High School

During our field trip to the Mall of America in Minnesota, I learned many ways that they conserve energy and save power. One of the ways is by saving all of the lights that have burnt out. They also collect all of the grease from every restaurant in the mall and reuse it to power other things instead of just disposing it into the ground trash bin to be shipped off to the dump. They have no heating system. Heat is provided by the many visitors

“Seventy percent of the lighting in the mall is natural light coming from the sun through the large windows.”

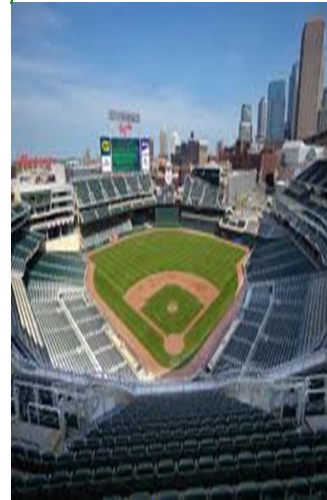
and tourists walking in the mall. There is so much body heat that there is no need for a heating system. Almost the entire top of the mall is covered in glass windows to allow the sun to come in and heat up the mall. Seventy percent of the lighting in the mall is natural light coming from the sun through the large windows.

Thousands of pounds of food are sanitized and sent off to a farm for the animals to feed on. They recycle over thirty-two thousand pounds of trash each year.



Did You Know?

- More than 30,000 live plants and 300 live trees act as natural air purifiers within Mall of America.
- With more than 100 tons of glass bottles recycled at Mall of America each year, electricity could be provided to more than 3.5 homes using 100-watt light bulbs for eight hours each day for one year.
- Mall of America has more than 275 water-efficient toilets that use only 1.6 gallons per flush compared to the average toilet which uses three gallons per flush. The amount of water saved every year exceeds 1.4 million gallons, enough to fill three Olympic-size swimming pools.



IESA Field Trip

The IESA group also visited Target Field Stadium, home of the Minnesota Twins, and the Como Zoo while in Minnesota. Students learned about the energy-savvy practices of these major corporations.

Karly Jones
Lincoln High School

Last month in our class of IESA, we visited the Mall of America and found out in a presentation about how the mall saves energy, how they recycle all their food waste and how they are going to add on to the giant five-floor mall again. We got to go through the bright and colorful Sea Life Aquarium that they have in the mall.

During the presentation, we got to find out some pretty cool facts. The Mall of America recycles their food waste by giving their leftover food that people eat at their many fast food places or restaurants to a local farmer who feeds the waste to all of his animals. Mall of America



Sea Life Aquarium at Mall of America

recycles more than sixty percent of their waste from people. They convert the fat from the restaurant fryers into more than 4,000 pounds of bio-diesel. They also recycle more than 100 tons of glass bottles each year.

ENERGY REPORT CARD



YEAR-TO-DATE SITE ENERGY USAGE REPORT

JULY 1, 2013-November 30, 2013



Percentage change as compared to same period time from previous year

Site	Total Energy(MBtu)	% Chg		Site	Total Energy (MBtu)	% Chg	
*Findley	424	-50.00%		Brubaker	860	-11.50%	
Moulton	1,196	-48.80%		McKinley	765	-10.90%	
*Prospect	1,099	-48.40%		Kurtz	1,772	-10.70%	
Aviation Lab	105	-48.20%		Oak Park	614	-10.70%	
McCombs Greenhouse	120	-46.00%		Madison	542	-10.60%	
*Hoyt	1,356	-40.10%		Hoover/Meredith	3,846	-10.40%	
*Pleasant Hill	364	-37.40%		Studebaker	288	-10.10%	
Cattell	404	-35.00%		*Park Avenue	683	-9.70%	
Harding	871	-32.60%		Hubbell	648	-9.70%	
Monroe	792	-29.20%		Lovejoy	452	-9.60%	
McKee	151	-28.50%		Dean Operations Center	792	-8.50%	
Welcome Center	85	-28.50%		Roosevelt	4,841	-8.30%	
McCombs	1,002	-28.40%		Stowe	433	-7.40%	
Phillips	454	-26.00%		Perkins	538	-7.20%	
North	2,784	-25.60%		Lincoln	6,811	-6.80%	
Merrill	1,003	-24.30%		Mitchell	369	-4.00%	
Cowles	428	-23.80%		Moore (Scavo)	406	-2.90%	
Brody	1,422	-23.40%		Wright	382	-2.60%	
Callanan	1,199	-22.50%		Capitol View	924	-2.50%	
Garton	615	-20.50%		Morris	612	-2.30%	
River Woods	1,049	-18.60%		Windsor	462	-2.00%	
Central Campus	7,244	-18.40%		Howe	390	-2.00%	
Central Academy	1,118	-18.30%		Jackson	478	-1.30%	
Woodlawn	326	-16.20%		South Union	693	-0.50%	
Hanawalt	435	-16.10%		Hillis	485	3.20%	
Walnut Street	2,690	-15.60%		Walker Street	570	4.20%	
Smouse	1,164	-15.40%		Samuelson	521	4.30%	
Van Meter	1,383	-15.10%		Central Nutrition Center	4,696	4.90%	
King	348	-14.80%		Willard	762	7.00%	
Weeks	1,498	-14.20%		Greenwood	699	11.00%	
Carver	727	-14.20%		East	7,258	12.70%	
*Jefferson	500	-13.90%		Hiatt	948	26.40%	
Goodrell	842	-13.60%		Company Totals:	79,737	-14.77%	

*Buildings renovated during summer 2013.

Total heating and cooling degree days have increased by 551 this year compared to the same reporting time last year. For more detailed information on degree days, refer to the [October report card](#).

KEY

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

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