Franklin Township Public Schools

Energy conservation & sustainability initiatives

Efficiency program



Schools for Energy Efficiency®

A product of $CL\Delta SS^{5^m}$

Energy conservation a sustainability initiatives

schools for energy efficiency program



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Benefits of the SEE program

what is the see program?

a comprehensive program for K-12 schools to save energy and money by changing behavior throughout the district. SEE provides a systemized plan, training and utility tracking for immediate and sustainable savings.

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Benefits of the SEE program

- a systemized plan customized for schools
- Immediate and sustainable energy savings
- Promotes efficient facility operations and behavior modification
- Managed by the district
- Supported by energy experts
- National award winning program with proven results



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Key components of our success



Leadership

Utility tracking & benchmarking

Awareness & communication

Commitment & involvement

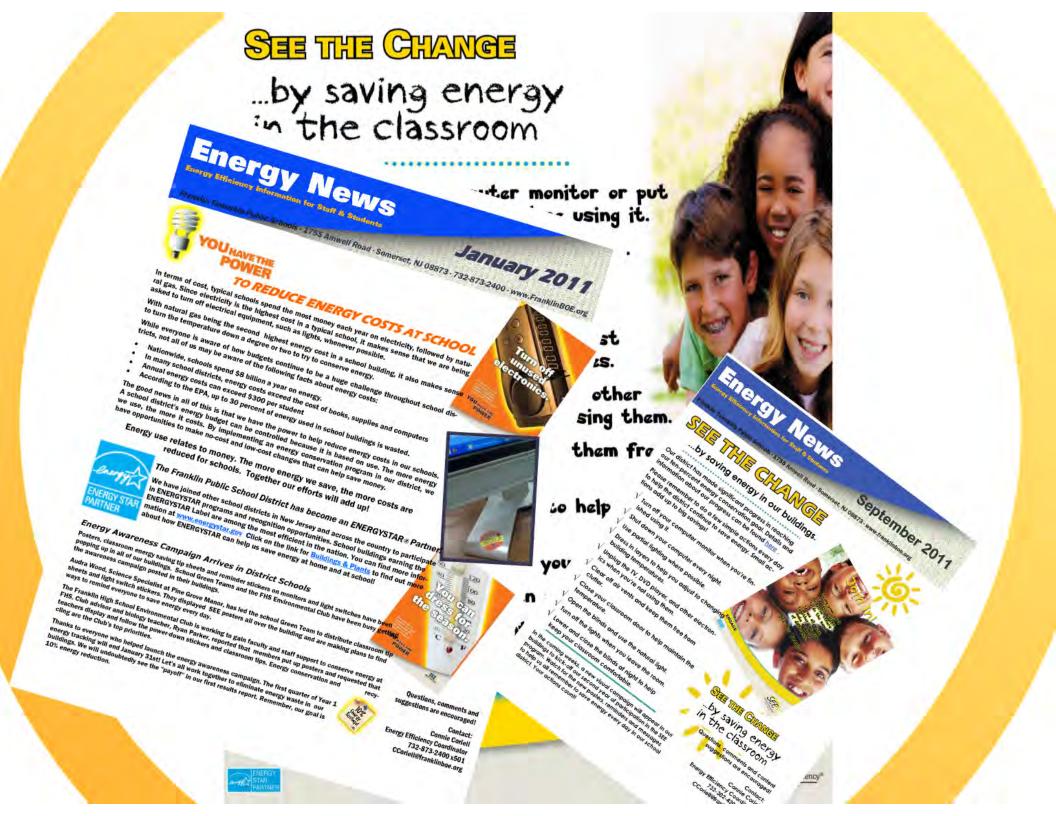
Leadership

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Custodial Support



Energy News

Energy Efficiency Information for Staff & Students

January 2011

Franklin Township Public Schools: 1755 Amwell Road: Somerset, NJ 08873: 732-873:2400: www.FranklinBOE.org



TO REDUCE ENERGY COSTS AT SCHOOL

In terms of cost, typical schools spend the most money each year on electricity, followed by natural gas. Since electricity is the highest cost in a typical school, it makes sense that we are being asked to turn off electrical equipment, such as lights, whenever possible.

With natural gas being the second highest energy cost in a school building, it also makes sense to turn the temperature down a degree or two to try to conserve energy.

While everyone is aware of how budgets continue to be a huge challenge throughout school districts, not all of us may be aware of the following facts about energy costs:

- Nationwide, schools spend \$8 billion a year on energy.
- In many school districts, energy costs exceed the cost of books, supplies and computers
- Annual energy costs can exceed \$300 per student
- According to the EPA, up to 30 percent of energy used in school buildings is wasted.

The good news in all of this is that we have the power to help reduce energy costs in our schools. A school district's energy budget can be controlled because it is based on use. The more energy we use, the more it costs. By implementing an energy conservation program in our district, we have opportunities to make no-cost and low-cost changes that can help save money.

Energy use relates to money. The more energy we save, the more costs are reduced for schools. Together our efforts will add up!



The Franklin Public School District has become an ENERGYSTAR® Partner

We have joined other school districts in New Jersey and across the country to participate 100 in ENERGYSTAR programs and recognition opportunities. School buildings earning the ENERGYSTAR Label are among the most efficient in the nation. You can find more infor mation at www.energystar.gov Click on the link for Buildings & Plants to find out more about how ENERGYSTAR can help us save energy at home and at school!

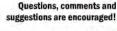
Energy Awareness Campaign Arrives in District Schools

Posters, classroom energy saving tip sheets and reminder stickers on monitors and light switches have been popping up in all of our buildings. School Green Teams and the FHS Environmental Club have been busy getting the awareness campaign posted in their buildings.

Audra Wood, Science Specialist at Pine Grove Manor, has led the school Green Team to distribute classroom tip sheets and light switch stickers. They displayed SEE posters all over the building and are making plans to find ways to remind everyone to save energy every day.

The Franklin High School Environmental Club is working to gain faculty and staff support to conserve energy at FHS. Club advisor and biology teacher, Ryan Parker, reported that members put up posters and requested that teachers display and follow the power-down stickers and classroom tips. Energy conservation and cling are the Club's top priorities.

Thanks to everyone who helped launch the energy awareness campaign. The first quarter of Year 1 energy tracking will end January 31st! Let's all work together to eliminate energy waste in our buildings. We will undoubtedly see the "payoff" in our first results report. Remember, our goal is 10% energy reduction.



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our ten-percent energy con

Information about our progre

Please remember to do a few to help the district continue to s

Turn off your computer monito

Shut down your computer every

Use partial lighting where possible Dress in layers to help you adjust to

Unplug the TV, DVD player, and other

ics when you're not using them. Clear off air vents and keep them free fr

Close your classroom door to help maintain

Open the blinds and use the natural light.

Turn off the lights when you leave the room.

Lower and close the blinds at night to help

In the coming weeks, a new visual campaign will appear in buildings to kick-off our second year of participation in the

In the coming weeks a new visual campaign will appear in help us all remember to save energy every day in our sets.

Program. Walch for the new posters, reminders and message very day in our scho

keep your classroom comfortable

tions add up to big savings!

Contact: **Connie Coriell Energy Efficiency Coordinator** 732-873-2400 x501 CCoriell@franklinboe.org

results!

November 2010 through July 2011 Change Electric Kwh

Change Nat Gas Therms Change Electric Demand KW

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November 2010 through July 2011	Change Electric Kwh	Change Nat Gas Therms	Change Electric Demand KW	Change Total Energy (Btu)	Avoided Cost
Conerly Road School	-6%	-3%	-1%	-4%	\$3,481
Elizabeth Avenue School	11%	-14%	-4%	-8%	\$3,638
Franklin High School	-10%	-17%	-6%	-14%	\$75,275
Franklin Middle School	-13%	-8%	-10%	-9%	\$39,255
Franklin Park Annex	1%	-11%	-4%	-8%	\$2,000
Franklin Park School	-8%	-7 %	-1%	-7 %	\$12,877
Hillcrest School	-4%	-14%	-8%	-11%	\$7,815
MacAfee Road School	5%	-10%	-13%	-6%	\$3,311
Middlebush Admin. Building	-6%	-7 %	-6%	-7 %	\$3,272
Pine Grove Manor School	-5%	-15%	-7%	-13%	\$10,630
Sampson G. Smith School	-9%	-9%	-2%	-9%	\$20,873
Grand Total	-8%	-11%	-6%	-10%	\$182,427













Home > My Portfolio

Portfolio	Averages
Baseline Rating: 55 Facilities Included: 11	Current Rating: 59 Facilities Included: 11
CONTRACTOR OF THE STATE OF THE	usted Percent Energy Use (%): -3.5% included: 11
Averages are weighter	d by Total Floor Space.
More abou	t Baselines
More about Change from Ba	aseline: Adjusted Energy Use

Add a Property Import Facility Data Using Templates

Work with Facilities Update Multiple Meters Share Facilities

Reporting and Analysis New! Generate Reports and Graphs
Request Energy Performance Report

Apply for Recognition Apply for the ENERGY STAR ENERGY STAR Leaders

Automated Benchmarking Automated Benchmarking Services Console

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-9%	\$20,873
-10%	\$182,427

Download in Excel Results 1 - 11 of 11 Search Facility Name: All # A B C D E F G H I J K L M N					_ MNOPQRSTUVWXY
acility Name	Baseline Energy Period Ending Date	Current Energy Period Ending Date	Baseline Rating (1-100)	Current Bating (1-100)	Change from Baseline: Adjusted Energy Use (%)
Conerly Road School	10/31/2010	08/31/2011	72	72	0.2
Elizabeth Avenue School	05/31/2011	08/31/2011	81	85	-5.1
Franklin High School	06/30/2011	08/31/2011	47	50	-2.5
Franklin Middle School	10/31/2010	08/31/2011	60	67	-6.3
Franklin Park Annex	10/31/2010	08/31/2011	60	59	8.0
Franklin Park School	05/31/2011	08/31/2011	59	67	-7.0
Hillcrest School	10/31/2010	08/31/2011	79	81	-2.3
MacAfee Road School	10/31/2010	08/31/2011	52	49	2.5
Middlebush Admin, Building	09/30/2010	08/31/2011	68	71	-4.6

Leadership

Utility tracking & benchmarking

Awareness & communication

Commitment & involvement

Custodial Support





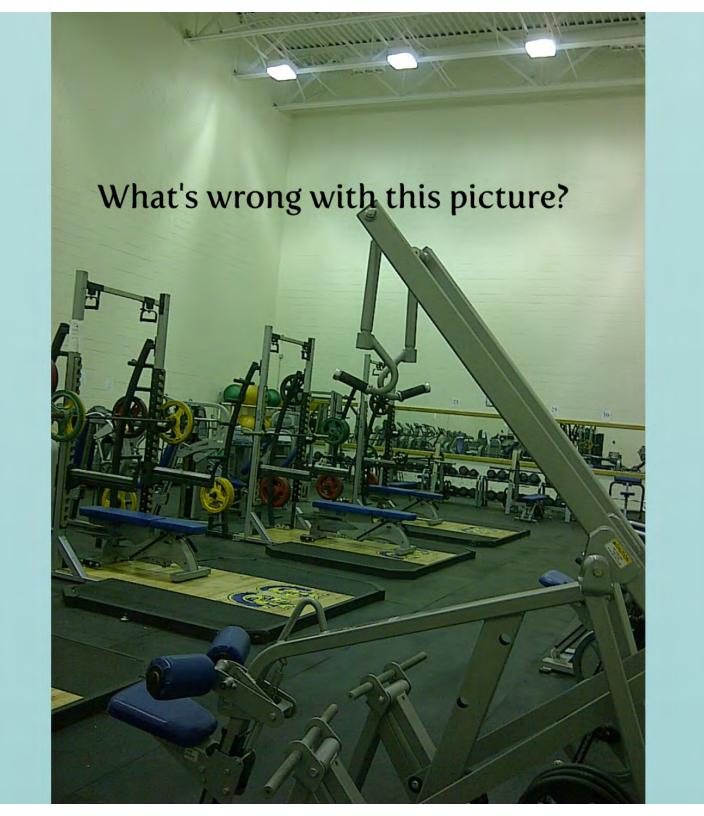




AIR CONDITIONER HARD AT WORK

PLEASE KEEP GYM DOORS CLOSED!!!
THANK YOU!





ustodial Support



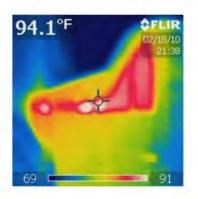
Somerset County Improvement Authority Solar Initiative Phase I







Elizabeth Avenue School Net-zero electric July 2011



Buildings as labs

- supports 21st century curriculum standards
- utilizes resources
- provide authentic data
- relevance





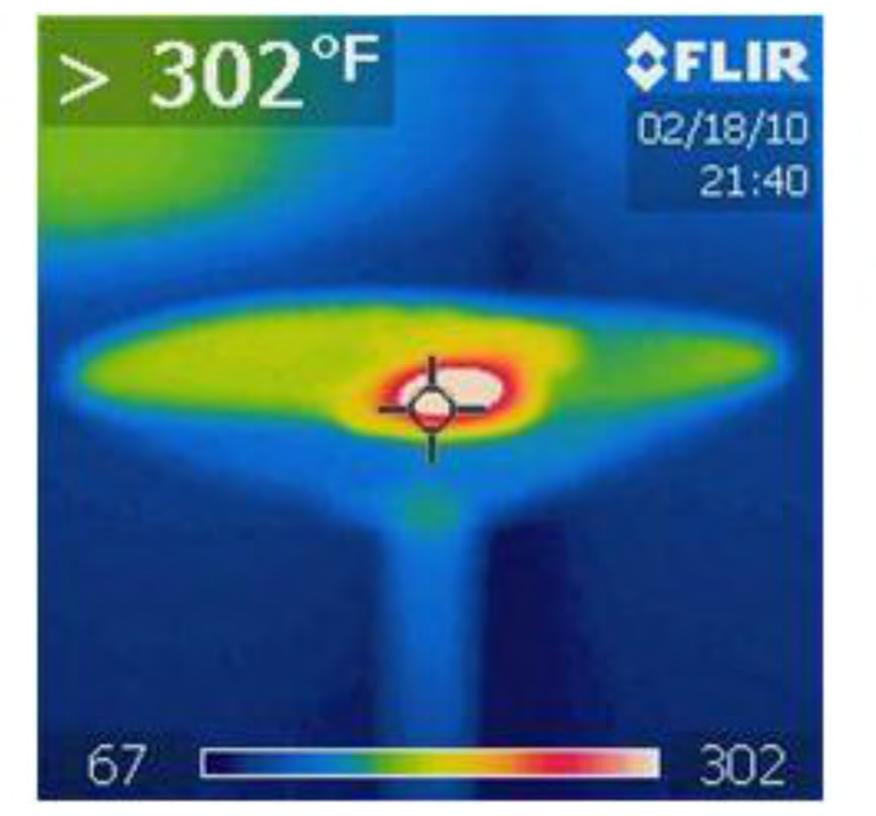


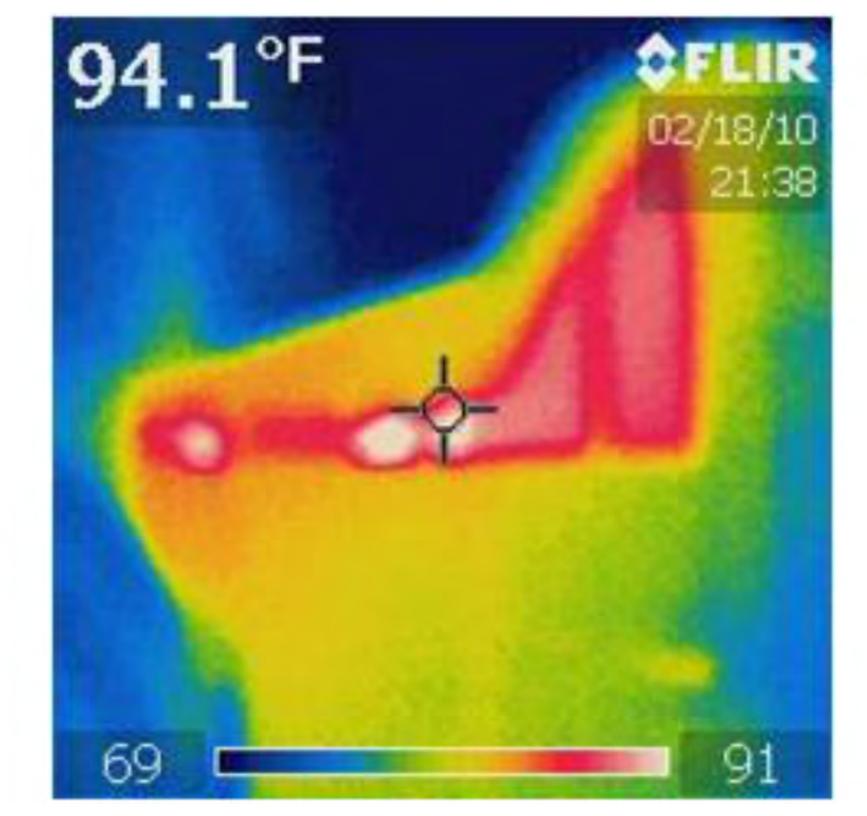








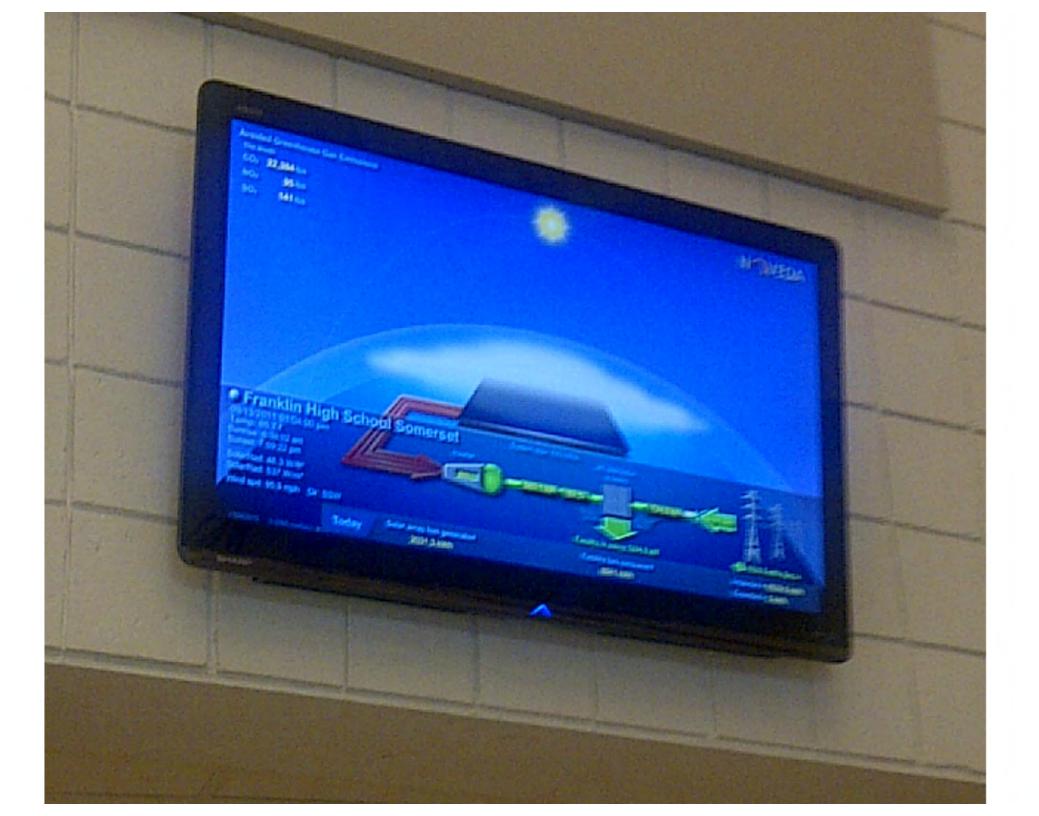




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AYEZ L'OEIL SUR LES TEMPÉRATURES!

Quand des thermostats ne sont pas correctement réglés ou ne sont pas précis pour des questions d'usure, d'endommagement ou d'erreur humaine, nous gaspillons de l'énergie. Un environnement trop chaud ou trop froid augmente non seulement nos coûts mais il peut également compromettre la qualité et la fraîcheur du produit dans certains secteurs.

Si vous pensez qu'il fait trop chaud ou trop froid ou si vous remarquez qu'un thermostat ne fonctionne pas correctement, SIGNALEZ-LE!

C'est un fait!

Nous pouvons empêcher le dégagement de 3.580,00 tonnes d'émissions au niveau des centrales électriques et éviter 651.000,00 dollars de frais chaque année simplement en maintenant toujours les températures adéquates dans toutes les usines d'Unilever N.A.

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what can I do in my school?

Get with the program!

Set a good example

Quantify

Communicate

What do you know?



Get with the program!



Set a good example



Quantify



Communicate



What do you know?



Involve everyone!

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franklin township public schools
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