



Kentucky Energy Efficiency  
Program for Schools

# STATUSREPORT

January 1, 2011 – December 31, 2011



**KPPC**

Kentucky's Resource Center for  
Environmental Sustainability

J.B. SPEED SCHOOL OF ENGINEERING – UNIVERSITY OF LOUISVILLE

# KENTUCKY ENERGY EFFICIENCY PROGRAM FOR SCHOOLS

## What is KEEPS?

KEEPS – Kentucky Energy Efficiency Program for Schools is a state-sponsored and federally funded program designed to help Kentucky public school districts reduce operating costs through improved energy performance. The program is administered by KPPC – Kentucky Pollution Prevention Center at the University of Louisville J.B. Speed School of Engineering. KEEPS provides a valuable package of tools, training, technical assistance and other resources that help school districts establish self-directed and sustainable energy management programs.

## Legislative Mandate

Kentucky Revised Statute 160.325 was signed into law on April 24, 2008, and required all Kentucky boards of education (174 county and independent school districts) to enroll in KEEPS by January 1, 2010. Boards of education are required to report data on energy usage, costs and energy-saving measures to KPPC through KEEPS.

## Funding Source

KEEPS began as a pilot program in 2005 and provided its services to a handful of Kentucky public school districts, colleges and universities. With cost savings realized through improved energy performance at such pilot sites as Bullitt County Public Schools and Kenton County Public Schools, KEEPS demonstrated itself as a proven model for successful energy management.

In 2010, KEEPS received funding from the American Recovery and Reinvestment Act (ARRA) through the combined efforts of the Kentucky Department for Energy Development and Independence, the U.S. Department of Energy and KPPC to provide its services to all 174 Kentucky public school districts.

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KEEPS is funded by the American Recovery and Reinvestment Act through the combined efforts of the Kentucky Department for Energy Development and Independence, the U.S. Department of Energy and KPPC.

Total ARRA funding for KEEPS in 2011: **\$1,871,311\***  
Total ARRA funding for KEEPS in 2010: **\$1,773,516**

ARRA funding for KEEPS expires in April 2012. KPPC is currently looking for alternate funding sources on the state and federal level to continue to provide KEEPS services to Kentucky school districts and help Kentucky reach its goal of meeting 18 percent of the state's energy needs from efficiency improvements by 2025.

## Purpose of this Publication

The 2011 KEEPS Status Report provides an overview of the free and non-regulatory services that KEEPS offers to Kentucky's public schools.

\*As of November 30, 2011



Printed on Recycled Paper

KPS 96-1211

## From the Executive Director and Program Manager

It has been two years since KEEPS was expanded to provide services to all 174 of Kentucky's school districts. This Status Report demonstrates how, in that short time, KEEPS has exceeded its expectations in driving Kentucky school districts toward reducing operational costs through improved energy performance. Through KEEPS, the vast majority of school districts among all regions of Kentucky are realizing the financial and environmental impact of best energy management practices.

This is only the beginning. KEEPS continues to introduce school districts to the benefits of energy management, facilitate the creation of school district energy teams, provide on-site energy performance assessments and offer organizational and technical assistance to those who request it. Kentucky school districts are setting the national standard for energy efficiency. Our Commonwealth now boasts the highest percentage (70%) of K-12 U.S. EPA Energy Star Partners in America, and several districts have received statewide and national recognition for their successful energy management programs. KEEPS and its administrator, KPPC – Kentucky Pollution Prevention Center, are proud to be part of that success.

### Meeting the Challenges

This past year, school districts faced several challenges with respect to managing energy costs and consumption. Specifically, there were increases in the number of temperature degree days, utility rates and square footage of school district facilities.

Faced with these challenges, Kentucky's school districts turned to KEEPS to help make best energy management practices part of their standards of operation. Fiscal year 2011 Energy Management Reports, which school district energy managers submitted to KEEPS, show an increase in energy costs from the previous fiscal year. That increase would have been much higher if not for school district energy-saving initiatives, which resulted in an energy usage reduction of 71,869 MMBtu and an energy cost avoidance of \$4,580,000.

These avoided costs help retain jobs in our school districts, bring more resources to the classrooms and provide a healthy, positive and productive learning environment for our students and teachers. Energy efficiency is a proven, educational, fiscal and environmental model for success. KEEPS provides a nationally recognized training system that drives that success, and we want this momentum to continue.

### Protect the Investment

This KEEPS Status Report showcases the valuable services that KEEPS provides to Kentucky school districts, the strong framework around which these services are built and, of course, the financial and environmental benefits that school districts realize thanks to KEEPS resources.

Kudos go to the school district boards of education, superintendents, energy managers and energy teams who invest the extra time, effort, energy and capital in making best energy management practices part of their school districts' cultures. It takes focus, performance data and vision to make that initial investment. As many school districts have realized to date, it's an investment that pays off in terms of providing a better learning environment for our students and teachers as well as cost savings for the taxpayers who support our educational system.



KEEPS Program Manager Fred Byrd (left) and KPPC Executive Director Cam Metcalf

Cam

Cam Metcalf  
KPPC Executive Director

Fred

Fred Byrd  
KEEPS Program Manager



# Program Delivery



KEEPS delivers the tools, training, resources and expertise to guide Kentucky's school districts toward significant cost savings and environmental benefits.

The backbone of KEEPS program delivery is the series of self-guided, online KEEPS Energy Management Toolkits. Twenty-six training modules, which include a total of 229 toolkit resources became available on the KEEPS website in 2011. These free and downloadable training modules provide guidance for school district energy teams to develop energy management programs, assess the energy performance of district facilities and create an action plan to achieve district-wide and school-specific energy performance goals.

As with all KEEPS resources and services, the toolkit series facilitates school districts' progress through the Energy Star seven-

step energy management framework and does so in a way that allows school districts of all sizes and budgets to take ownership of their energy management programs. Toolkit presentations, exercises, energy assessment worksheets and supporting documents were designed for those with a non-engineering background in mind. This takes some of the burden out of the energy management process and provides an opportunity for all critical operational areas of the school district to participate in the energy program's development.

The KEEPS Energy Management Toolkits were developed by KEEPS regional coordinators, engineers and energy managers and were beta tested by school district energy managers and energy teams. These resources are available in the Toolkit Library on the KEEPS website, [www.kppc.org/KEEPS](http://www.kppc.org/KEEPS).

*"Having a program like KEEPS and the support and guidance they provide is invaluable as far as keeping us focused and intentional in our efforts to reduce energy consumption."*

Jim Frank  
Superintendent  
Green County Public Schools



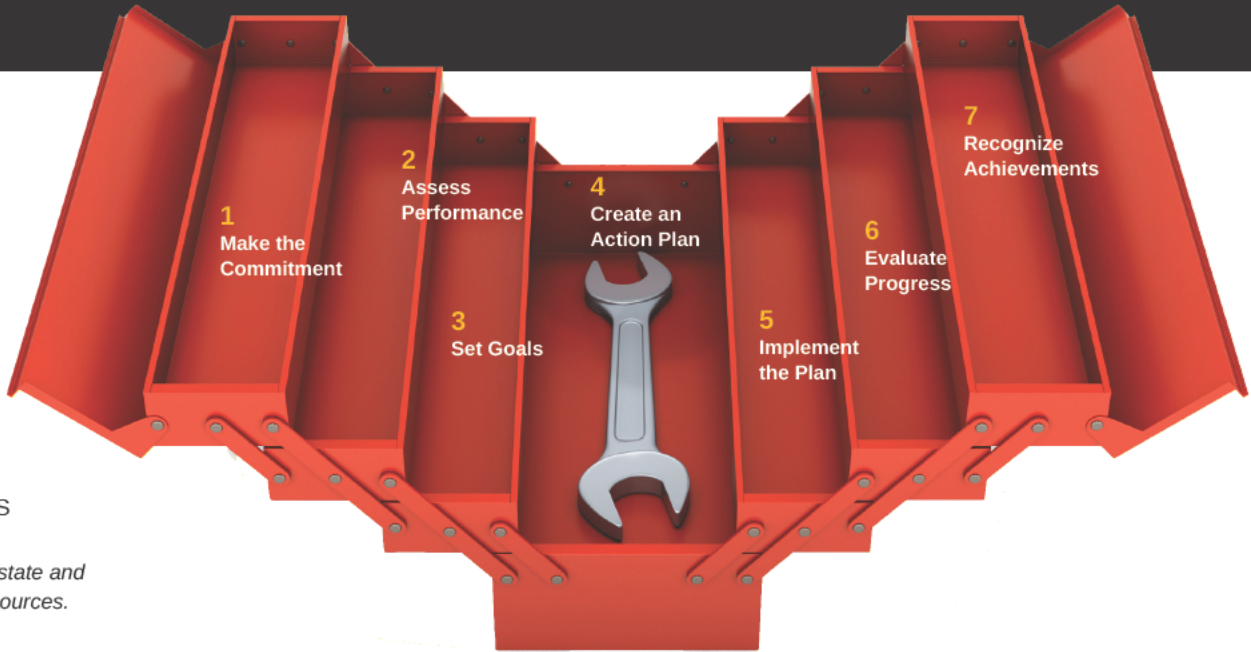
**KEEPS**  
Energy  
Management  
Toolkit

### Toolkit Resources:

- 26 training modules
- 31 presentations (645 slides)
- 57 supporting documents
- 115 exercises and worksheets

**229 TOTAL TOOLKIT RESOURCES**

Plus more than 50 links and references to state and national energy management technical resources.



## Training & Workshops

KEEPS-sponsored training, workshops and events offer peer-to-peer networking and mentoring opportunities that allow school districts to share ideas and offer guidance on implementing best energy management practices.

### 2011 KEEPS Webinar Series

From April through December 2011, KEEPS offered a series of 10 web-based training sessions that demonstrated how to use the KEEPS Energy Management Toolkits, showcased successful school district energy management program initiatives and provided information about KEEPS partner resources.

The webinars drew 307 attendees, which included school district energy managers and energy teams, superintendents, state and federal government agency representatives, environmental consultants and school district energy program facilitators from across the country. Recordings of the webinars are available on the KEEPS website at [www.kppc.org/KEEPS/webinars](http://www.kppc.org/KEEPS/webinars).

### Boots on the Ground

Critical to the ongoing success of KEEPS are the regional coordinators, engineers and energy managers who develop program materials, direct program initiatives and provide energy management training and technical assistance to Kentucky school districts.

In 2011, the KEEPS team

- participated in 183 energy team meetings throughout the state
- fielded 5,578 inquiries about assistance with school district energy team efforts

## KEEPS 2011 Training Activities\*

Throughout the Commonwealth, KEEPS hosted or participated in **64** training events, workshops, conferences or other outreach activities in 2011, attracting **1,903** attendees.

- KPPC Press Conference and Open House
- University of Louisville Campus Sustainability Day
- KEEPS Energy Management Training Webinars (10)
- KEEPS Energy Award Presentations (25)
- Kentucky School Boards Association School Energy Managers Project Training
- Kentucky School Boards Association Annual Conference
- U.S. Green Building Council Advocacy Day
- National Farm Machinery Day
- KCTCS Annual Budget Meeting
- Kentucky NEED High Performance Schools Workshop
- Kenton County Work the Circuit Energy Fair
- U.S. EPA Energy Star Award Ceremony
- Warren County Public Schools RACE to the Finish Energy Awards
- Kentucky School Boards Association Southeast Region Roundtable
- Louisville Metro Council Energy and Environment Committee Meeting
- Kentucky School Boards Association Central Region Workshop
- Bonnieville Elementary School Fall Festival
- Hart County Public Schools Literacy Fair
- Kentucky Association of School Business Officials Spring Conference
- Kentucky Green and Healthy Schools Summit
- KPPC/U.S. EPA Healthy Schools Workshop
- Green County Public Schools Green Career Day
- PRIDEful Recycler Workshop & PRIDE Spring Cleanup Awards
- Kentucky Association of School Administrators Annual Conference
- Paintsville Energy Forum
- Kentucky Association for Environmental Education Annual Conference
- Champions of Energy Star (webinar)
- Green River Development District Green Living Symposium
- Governor's Conference on Energy & the Environment
- Kentucky Member Services Association Annual Conference
- Kentucky School Plant Management Association Annual Conference

\*As of December 13, 2011



# Energy Star Framework

## The 7 Steps

### Step 1: Make the Commitment

Commitment involves support from school district leadership and requires collaboration, communication and participation among key areas of the district including facilities, information technology, faculty, staff and students.

### Step 2: Assess Performance

Assessing energy performance of school district-owned facilities and identifying opportunities for improvement are essential to establishing a baseline of energy consumption and costs.

### Step 3: Set Goals

Achievable and measurable energy performance goals establish long-term energy consumption reduction targets and prioritize current and planned energy management program initiatives.

### Step 4: Create an Action Plan

The action plan defines specific technical steps, targets and responsibilities needed to achieve energy performance goals and establishes a systematic process to implement energy performance measures to create accountability.

### Step 5: Implement the Plan

Action plan implementation involves the proactive measures taken by the energy team based on the district's energy performance goals and objectives outlined in the plan.

### Step 6: Evaluate Progress

Frequent review of the energy management program and action plan will identify efficiency measures that need to be modified or added to the program and plan. Also, evaluation assures continual improvement and year-over-year results.

### Step 7: Recognize Achievements

Recognition sustains momentum and support for the energy management program, validates the program's goals and establishes a sense of pride for district administrators, faculty, staff and students who dedicate their time, effort and energy to the program.

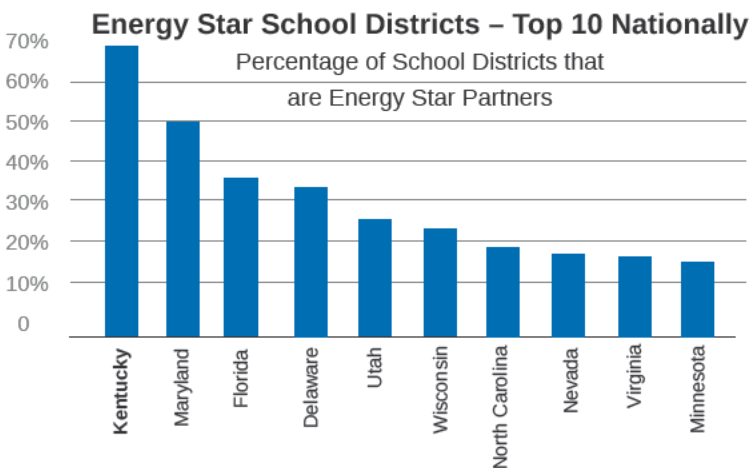
*"I am ... so proud of our students and their districts for taking responsibility for cutting energy usage. The steps they take today will help them become more energy conscious in the future as well as benefit the communities for generations to come."*

Kentucky First Lady Jane Beshear at an August 16, 2011, celebration recognizing Millbrooke Elementary School in Christian County as Kentucky's 100th Energy Star certified school.

## The KEEPS Training System

The KEEPS Training System is based on the seven-step Energy Star energy management framework, which is a proven strategy to help organizations improve energy and financial performance. Energy Star is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy that promotes cost savings through the use of energy-saving products and practices.

With this model as the foundation, **KEEPS tools, training and other resources are tailor-made to meet the specific needs of Kentucky school districts.** These resources offer a systematic approach to energy management, where short-term and long-term strategies are applied to capital-intensive facility improvements and best energy management practices become part of the day-to-day standards of operation and culture of the entire school district. Commitment to this systematic approach sets the course for year-over-year cost savings through improved energy performance.



Of Kentucky's 174 school districts, 123 (70%) are Energy Star Partners – the highest percentage in the country.\*

## Leveraging Energy Star

As participants in KEEPS, Kentucky school districts are encouraged to become partners in the Energy Star program and seek Energy Star certification for schools that meet or exceed national energy performance standards. In 2009, only 10 Kentucky school districts were Energy Star partners. That number has since grown to **123 – a 1,130% increase in participation.** Kentucky boasts the highest percentage of school districts that are Energy Star partners in the country – **70%.**

There are 115 Energy Star certified schools in Kentucky, including Kentucky's oldest school, Garth Elementary School in Scott County.\*

\* Source: [www.energystar.gov](http://www.energystar.gov). As of December 6, 2011.



## Program Outreach

### KEEPS e-newsletter

The monthly *KEEPS Moving Forward* e-newsletter is deployed to 798 subscribers (a 77% subscription increase from January 2010 to December 2011). Readers include school district energy teams, partner organizations, state and federal agencies, businesses and other organizations. The e-newsletter features information about KEEPS resources, energy management training opportunities, partner organization resources and spotlights on school district energy management success stories.

### KEEPS Social Media Initiatives

#### Facebook

In 2011, KEEPS continued to use Facebook as a means to facilitate peer-to-peer networking and communicate news and information about KEEPS activities and school district energy-saving achievements. The KEEPS Facebook page now has 175 fans or "Likes" and 117 average monthly active users. Join the conversation at [www.facebook.com/KyKEEPS](http://www.facebook.com/KyKEEPS).

#### YouTube

KEEPS uses the YouTube video sharing website to archive its webinars. In 2012, KEEPS will further leverage YouTube resources to provide comprehensive coverage of events such as workshops, training and other information about best energy management practices. KEEPS webinar videos are available on the KEEPS website at [www.kppc.org/KEEPS/webinars](http://www.kppc.org/KEEPS/webinars).

#### Flickr

Flickr provides a platform for KEEPS to post photos of training, workshops and other events that can be easily accessed and viewed by visitors worldwide. KEEPS photo galleries are available at [www.flickr.com/photos/kppc](http://www.flickr.com/photos/kppc).

[www.kppc.org/KEEPS](http://www.kppc.org/KEEPS)

The KEEPS website is the primary delivery mechanism for program information, services and resources. In 2011, 11 new pages were added to the KEEPS website including pages that host the KEEPS Energy Management Toolkits, the KEEPS webinars and the KEEPS Awards and Recognition Program.



KEEPS at Millbrooke Elementary School in Christian County. From left to right, Giovanni Beltran, Kentucky First Lady Jane Beshear, Fred Byrd and Adam Hoette.

As interest in KEEPS grows throughout the state and the country, so does the activity of the KEEPS website. Using Google Analytics, a website performance tracking tool, KEEPS is able to monitor and analyze the number and types of visits to its website. This powerful tool allows KEEPS to see where web visitors come from, what pages on the site they are interested in, how they navigate once at the KEEPS website and much more. This data provides feedback to communications & outreach and information technology teams that can be used to make the site more useful and informative for school districts and other visitors.

The map shows where web visitors originated around Kentucky from January 2011 through November 2011. Larger dots indicate more visitors in one area.

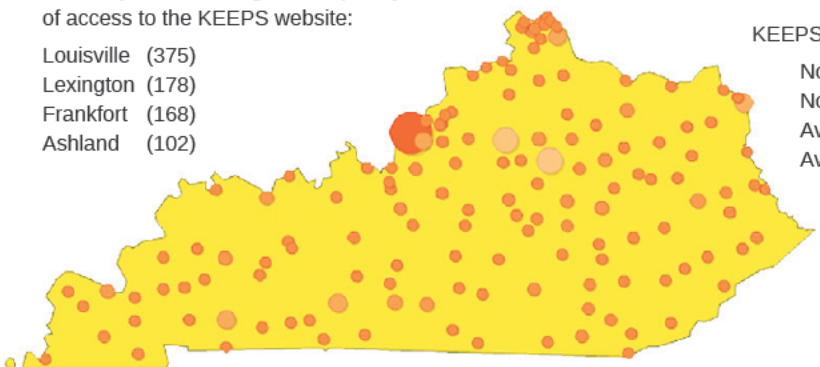
KEEPS website performance highlights include:

No. of visits worldwide:	3,437
No. of visits from Kentucky (111 cities):	1,986
Average pages viewed per visit:	6
Average time on KEEPS website:	5 minutes



Kentucky cities with highest frequency of access to the KEEPS website:

Louisville	(375)
Lexington	(178)
Frankfort	(168)
Ashland	(102)





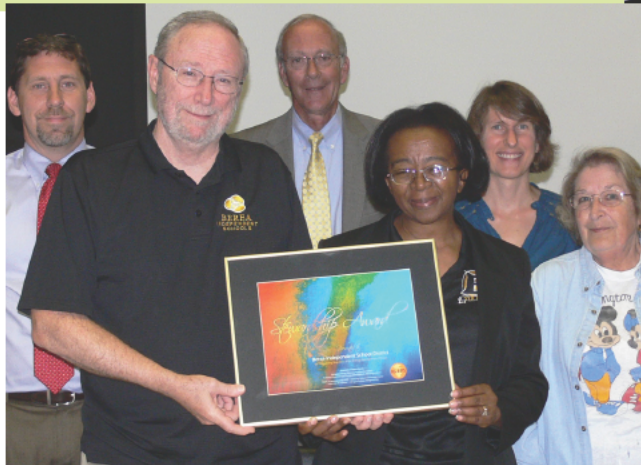
# Making the Commitment/Taking Ownership

A school district's success in KEEPS depends on how committed it is to making best energy management practices part of its standards of operation and day-to-day culture. A lasting and successful energy management program is one that involves participation from EVERYONE in the district – from the school board and superintendent to faculty, staff and students.

Since its expansion in 2010, KEEPS has lead school districts toward self-directed energy management programs. Thanks to the resources, training and technical assistance provided by KEEPS regional coordinators, engineers and energy managers, most Kentucky school districts have embraced proactive versus reactive energy management. These districts are realizing the environmental and financial benefits of energy management and are receiving state and national recognition for their efforts.

## Of Kentucky's 174 school districts...

- 174 are enrolled in KEEPS
- 174 established school board approved energy policies
- 166 were actively involved in KEEPS leadership meetings
- 163 established baseline and follow-up energy performance tracking standards
- 133 established cross-functional energy teams from different areas of operations and meet regularly
- 124 developed communications plans to raise awareness about district-wide energy-saving initiatives
- 85 have clearly defined energy performance goals
- 62 implemented energy management action plans



The KEEPS Stewardship Award was presented to the Berea Independent School District on September 19, 2011. Eighteen Kentucky school districts earned the award in 2011.

## Awards and Recognition

In February 2011, KEEPS introduced its Awards and Recognition Program, which acknowledges school districts that reach milestones through the seven-step Energy Star energy management framework. The momentum of energy management program development in school districts across Kentucky is picking up, and KEEPS anticipates several more awards to be issued in the near future. Congratulations to these districts for implementing environmentally sustainable and cost-effective energy management programs!

### KEEPS Leadership Award

Districts that implement their action plan, evaluate progress toward achieving their goals and complete all seven steps.

- Scott County

### KEEPS Champion Award

Districts that assess their energy performance, set energy performance goals and develop an action plan to achieve those goals.

- Barren County
- Campbellsville Independent
- Christian County
- Fayette County
- Fleming County
- Scott County



KEEPS awards, left to right: Champion, Stewardship and Leadership. All awards were crafted by Kentucky vendors.

### KEEPS Stewardship Award

Districts that commit to realizing cost savings through best energy management practices.

- Barren County
- Bell County
- Bellevue Independent
- Berea Independent
- Campbellsville Independent
- Christian County
- Clay County
- Clinton County
- Edmonson County
- Fayette County
- Fleming County
- Green County
- Hart County
- Jackson County
- Johnson County
- Oldham County
- Scott County
- Warren County

# Assessing Energy Performance

KEEPS energy efficiency assessments provide school districts with insights on how to improve the energy performance of district facilities and identify areas to reduce operating costs.

Since the program expanded in January 2010, KEEPS has conducted 190 on-site energy assessments, which accounted for 15,886,093 square feet assessed.

KEEPS engineers and energy managers identified the following potential annual savings:

Electrical usage savings -	102,621 MMBtu
Natural gas savings -	99,999 MMBtu
Fuel oil savings -	262 MMBtu
Propane savings -	9,899 MMBtu
Greenhouse gas emission reduction -	99,599 MTCO2 equivalents

KEEPS assessments identified a total potential reduction in energy consumption of **212,781 MMBtu** per year representing avoided energy costs of **\$3,306,000**.

## Empowering the Energy Program

KEEPS engineers and energy managers work diligently to provide as many energy efficiency assessments to school districts as possible. In the spirit of empowering school districts to maintain their own energy management programs, KEEPS provides one-on-one energy assessment training to school district energy managers and energy teams during the assessments themselves and via KEEPS-sponsored and partner-sponsored workshops and webinars. The KEEPS Energy Management Toolkit series (see page 3) includes 15 Microsoft Excel-based energy assessment workbooks and accompanying training modules that school districts can use to assess energy performance and identify opportunities for improvement.

## Energy Programs at Work

KEEPS engineers visited Christian County in April 2011 and performed an on-site assessment at Martin Luther King Jr. Elementary School. One of the energy management opportunities that KEEPS identified was to set back heating, ventilation and air conditioning (HVAC) setpoints during periods when the school buildings were unoccupied. Based on the experience gained through that assessment, Christian County Public Schools Energy Manager Bob Valentine performed similar assessments and found similar opportunities in several other schools in the district. Now HVAC setbacks are a standard procedure throughout the district.

According to Valentine, "School buildings are empty most of the time. The most painless way to save energy is to cut back when no one is there."



## KEEPS Utility Bill Analysis (UBA)

KEEPS energy efficiency assessments include an analysis of school district utility bills to examine rate structure, compare rates and identify billing errors. KEEPS-conducted UBAs identified **\$36,099** in projected annual savings.

*"When we can save money and help the environment with the added bonus of educating our students about the advantages of energy conservation, it's a win for everyone. We feel energy conservation is an important step in providing needed resources for our future."*

Brady Link  
Superintendent  
Christian County Public Schools



# Return on Investment

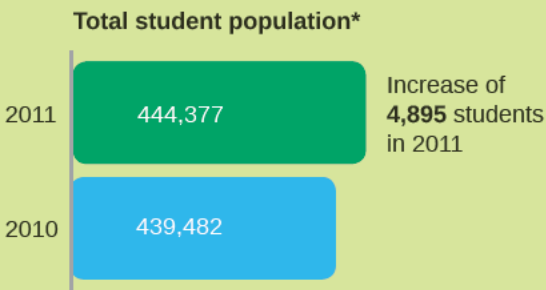
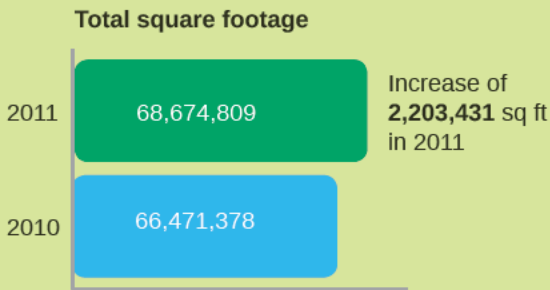
Tracking energy and cost savings validate energy-saving initiatives and illustrate the return on investment of time, effort and resources devoted to the program.

Each year, KEEPS issues Energy Management Reports (EMRs) to school district energy managers or energy team designees. The EMR data on this page illustrates an increasing awareness of and interest in the value of reducing operational costs through improved energy performance among Kentucky's school districts.

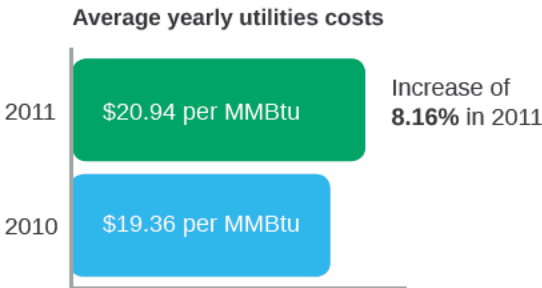
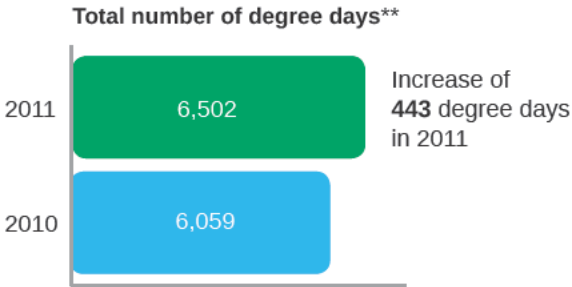
Of Kentucky's 174 school districts, 157 submitted EMRs for fiscal year 2011. Of those 157 districts, 124 districts provided relevant information for year-to-year energy performance and cost savings from fiscal years 2010 to 2011.

## Challenges of Energy Management

For those 124 districts, building square footage, student population and the number of required temperature heating/cooling degree days increased.



Thanks to the energy-saving initiatives implemented by 124 of Kentucky's school districts, the districts **lowered** the total amount of energy used and avoided spending an additional **\$4,580,000** in energy costs in 2011.



## Increased Energy Expenses Decreased Energy Consumption

As a result of increases in building square footage, student population, the number of required temperature heating/cooling degree days and increases in utility rates, overall expenditures for utilities and energy cost per student increased from fiscal year 2010 to 2011.

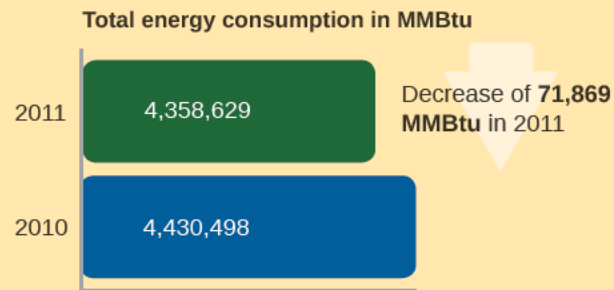
### Overall Energy Cost

2010: \$85,759,111

2011: \$91,283,528

Total increase in overall energy costs: **\$5,524,417**

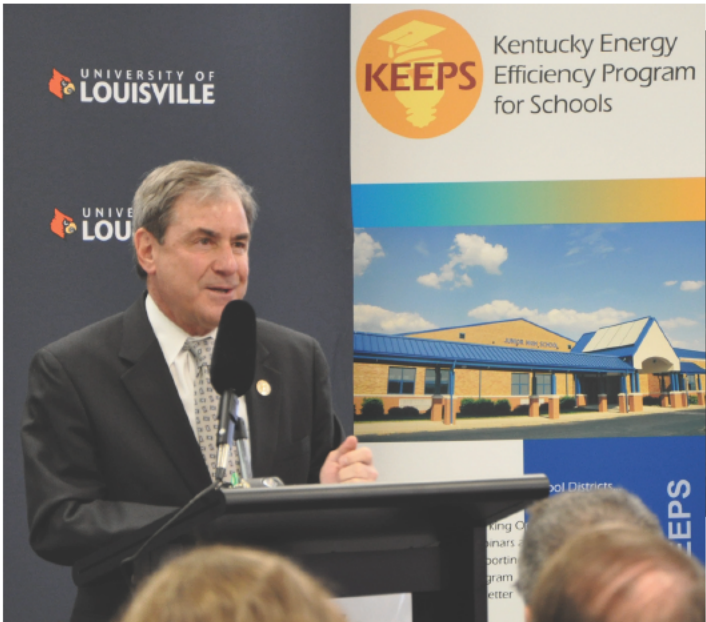
Despite these substantial increases, energy usage **decreased** by **71,869 MMBtu** in 2011 thanks to school district energy-saving initiatives.



Based on Energy Use Intensity, energy-saving measures resulted in avoiding additional energy costs of a calculated **\$4,580,000** overall. Without these measures, the total energy costs for 2011 would have been **\$95,850,000** – an increase of **\$10,091,000** over 2010 costs.

\*Source: Kentucky Department of Education Superintendent's Annual Attendance Report (SAAR)

\*\*Source: [www.degreedays.net](http://www.degreedays.net) (using temperature data from [www.wunderground.com](http://www.wunderground.com) for the Louisville area. Similar degree days were experienced throughout the state)



Left, Congressman John Yarmuth at KPPC's open house event in January 2011. Above, Cam Metcalf and Senator Mitch McConnell following Metcalf's acceptance of the NPPR Most Valuable Pollution Prevention Award in September 2011.

## What's Next?

### For Kentucky School Districts ...

The numbers in this KEEPS Status Report tell a compelling story. Now more than ever, Kentucky school districts are aware of the positive financial and environmental impact of improved energy performance. They take proactive measures to create a culture of energy efficiency and enhance the quality of education and the learning environment for Kentucky's students and teachers.

As seen in this year's Status Report, much has been accomplished in a short time, but there is still work to do. Some school districts are still in the early stages of developing their energy management programs. These districts turn to KEEPS to bring their energy-saving efforts up to speed with the rest of Kentucky.

The districts that jumped on board early in KEEPS know that the energy management process does not simply end. A true culture of energy efficiency is one that builds on prior successes. Effective energy management programs continue to set attainable energy performance goals, create energy management action plans, assess and reassess energy performance, and do so with support of senior administration and participation from EVERYONE in the district.

Kentucky has set a high standard for energy efficiency in its schools. Maintaining or surpassing this energy efficiency standard is a key factor in the Commonwealth's effort to be competitive in a global economy. By embracing a culture of responsible energy consumption, the financial benefits will continue to grow year after year, even in the face of changing budgets, staff, student population and facilities.

### KEEPS as a Nationally Recognized Program of Excellence

Since its inception, KEEPS has helped launch many successful school district energy management programs in Kentucky. School district energy managers and energy teams rely on the resources, training and technical assistance that KEEPS provides to lay a solid foundation for ongoing district-wide energy and cost savings. In 2011, KEEPS and its administrator, KPPC, received awards for effective program delivery by the U.S. EPA Energy Star Program and the National Pollution Prevention Roundtable.



Like many state and federally sponsored programs, the scope and breadth of services that KEEPS provides in the years to come will be determined by available funding opportunities. This Status Report shows a demonstrated need for KEEPS to offer its services to Kentucky's school districts. KEEPS will continue to look for new funding sources to support this successful program.



KEEPS looks forward to an exciting 2012 as more Kentucky school districts are recognized for their commitment to providing an energy-efficient and cost-effective learning environment for the Commonwealth's students and teachers.



# KEEPS 2011 STATUS REPORT

KEEPS is administered by ...

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KPPC is Kentucky's primary resource to help businesses, industries and other organizations develop environmentally sustainable, cost-saving solutions for improved efficiency. Based at the University of Louisville J.B. Speed School of Engineering, KPPC provides technical information and assistance that is free, confidential and non-regulatory.

This report has been prepared for the Kentucky Legislative Research Commission and the Kentucky Department for Energy Development and Independence as a summary of KEEPS activities to date. Client participation and energy performance metrics presented in this report are based on information from baseline and follow-up KEEPS Energy Management Reports submitted to KPPC by Kentucky school districts as of November 30, 2011. Energy performance metrics are also gathered from energy efficiency assessments conducted by KEEPS engineers and energy managers.



## KEEPS Partners

**Department for Energy Development and Independence – DEDI** is part of the Kentucky Energy and Environment Cabinet. Its mission is to improve the quality and security of life for all Kentuckians by creating efficient, sustainable energy solutions and strategies; by protecting the environment; and by creating a base for strong economic growth.

**Kentucky Chapter – National Energy Education Development Project – NEED** promotes an energy-conscious and educated society by creating effective networks of students, educators, business, government and community leaders to design and deliver objective, multi-sided energy education programs.

**Kentucky Green & Healthy Schools – KGHS** is a state-wide, web-based and student-centered program that empowers students and staff to move their school toward becoming safer, healthier and more environmentally sustainable.

**Kentucky School Boards Association – KSBA** serves school boards and districts in such areas as governmental relations, board member and staff training, insurance and risk management, legal, policy, publications and community relations and is the administrator for the Kentucky School Energy Managers Project.

**Kentucky School Plant Management Association – KSPMA** promotes and enhances the educational process through proper management practices related to school operations and maintenance.