

INAUGURAL SCHOOL ENERGY SUMMIT

REGISTER NOW
@KSBA.ORG

School ENERGY Summit

Early registration extended to
April 19!

MAY 9 – 10, 2017
Conference location: Holiday Inn Louisville East – Hurstbourne
Registrations after April 15 subject to late fee

2017 KSBA School Energy Summit

The KSBA School Energy Managers Project (SEMP) has supported public school efforts in achieving high standards of efficient use of energy by establishing a statewide energy management infrastructure focused on intelligent energy choices for new and existing public schools through energy management plans. Now, KSBA and the Kentucky Energy and Environment Cabinet, Department for Energy Development and Independence are hosting the Inaugural School Energy Summit.

This conference is open to all K-12 or postsecondary schools. EILA and Finance Officer credits have been approved. (5 credits per day, 2 credits for dinner, 12 total credits available.) Professional development hours for energy managers are offered.

FULL CONFERENCE REGISTRATION - \$200

Day ONE Conference Registration (May 9 ONLY) - \$135

WORKING DINNER – Tight Budgets, Leaky Roofs, and Old Equipment - \$25**

Day TWO Conference Registration (May 10 ONLY) - \$125

CONFERENCE REGISTRATION AT: [School Energy Summit Registration](#)

****Requires separate registration**

General Session, Tuesday, May 9

8:30 a.m.

National and State Energy and Economic Outlook

Rick Bender, Energy and Environment Cabinet, executive advisor; Michael Schmitt, Kentucky Public Service Commission, chairman; Drew Fellon, Fellon-McCord & Associates president and CEO

Governmental and energy industry leaders discuss current trends and changing regulations in the energy landscape and the impact that will have on national, state and local economies. Explore the impact of the U.S. becoming a net energy exporter and the potential effect on schools.

Business & School Panel Perspective

Scott Spalding, Marion County Schools energy manager; Britney Ragland, University of Kentucky energy manager; Chris Adkins, Toyota Motor Manufacturing of Kentucky energy management specialist

Energy efficiency has advanced at varying speeds across the different business sectors. A panel of business and school energy managers share steps taken and lessons assimilated.

Concurrent Breakout Sessions A, Tuesday, May 9

11–11:50
a.m.

LED Lighting Options

Jason Staples, LHI Lighting; Phil Jones, Eco Engineering

This session deals mainly with LED options for indoor lighting. Presenters give tips for reviewing information on specification sheets, including lumens per watt (efficacy) and the impact on future energy costs. Common indoor lighting products such as high bay lights, and office and classroom troffers are discussed; and new LED light fixtures and retrofit options are reviewed, along with the advantages and disadvantages of each.

ENERGY STAR Certification

Jim McClanahan, energy manager, Scott County Schools/KSBA

The session provides hands-on demonstration of ENERGY STAR's Portfolio Manager, showing the steps required to set up an account in the program and how to set up a building with the associated energy meters.

The Solar Option

Kenya Stump, Energy and Environment Cabinet; Ryan Stout, Performance Services

Solar energy credits and solar share facilities are among the options being offered by utility companies. What does that mean for schools when considering all available hours of sunlight?

Operational Savings

Brian Linder, Kentucky state representative, House District 61, and energy manager, Grant County Partnership; Dan Logan, director of maintenance, Owen County Schools

Reducing overall energy use requires a district-wide strategy. Review the steps taken to achieve continued success, from leadership to investment and from partnership to recognition.

11:50 a.m.–
1:45 p.m.

Lunch and Trade Show

Concurrent Breakout Sessions B, Tuesday, May 9

1:45– 2:30
p.m.

What You Need to Know about Utility Rebates –

Rebates from utility companies help offset costs for upgrading or installing certain high-efficiency lighting, HVAC or other equipment. Learn about the support and various programs offered by your electric provider.

LG&E/KU Rebates

Rhonda Truman, LG&E/KU, program manager, Commercial Rebates; Bill Cooper LG&E/KU program manager, Large Commercial Demand Response

Electric Cooperative Rebates

Scott Drake, Envision Energy Services, East Kentucky Power Company

Kentucky Power Company Rebates

EJ Clayton, KPC, Energy Efficiency and Consumer Programs

Duke Energy Rebates

(Invited)

Concurrent Breakout Sessions C, Tuesday, May 9

2:30–5 p.m.

Facility Tour - Norton Commons Elementary

John Niehoff, architect, Jefferson County Public Schools; Allyson Vitato, principal; Norton Commons Elementary; Pat Blackburn, VBN Architects; and Doug Hundley, CMTA

Jefferson County's newest school, Norton Commons Elementary, opened in August 2016. The school was designed to meet the expectations of ENERGY STAR and its energy use intensity (EUI) has been trending as low as 20 EUI. Energy-efficient design items in the facility include ICF (insulated concrete forms) exterior walls, high-tech glazing, geothermal heating/cooling, solar hot water system, LED lighting throughout, energy management controls and occupancy sensors.

Pragmatic Practices in Energy Management: Basic Concepts at Work

Jon Nipple, project manager, KSBA-SEMP

From classrooms to boiler rooms, school districts are discovering that sound energy management practices impact the bottom line. This session covers the concepts proven to transform your operations to produce improved energy efficiency and reduced operating costs.

Facility Tour - University of Louisville

John Stratton, senior architect, University of Louisville; Justin Mog, sustainability initiatives, University of Louisville and CMTA

The University of Louisville is committed to building smarter and conserving energy and water on campus, as seen in the design and operation of many campus facilities. Explore behind the scenes in the design and construction of the new academic building, tour the new Lynn Soccer Stadium, the Conn Center for Renewable Energy Research and its fully solar-powered "Phoenix House," and the LEED Gold Student Rec Center.

5–6 p.m.

Reception and Trade Show

6– 8 p.m.

Fee: \$25

Dinner Session REQUIRES ADDITIONAL REGISTRATION

Tight Budgets, Leaky Roofs, and Old Equipment

Performance Contracting Basics - Working Dinner

Lee Colton, Energy and Environment Cabinet; Success Case Studies from Kimberly Joseph, energy manager, Bullitt County; Eric Neff, director of personnel, Covington Independent; Tim Hockensmith, chief operating officer, Nelson County

With significant facility needs and little capital, how do you provide the best learning environment for your students? Using energy savings to fund capital improvements may be a good option. Gain an understanding of performance contracting and the questions to ask to get started.

General Session, Wednesday, May 10

8 a.m.

Welcome

RECOGNITION of the WINNER of Kentucky's Battle of the School Buildings

David Webster, president, Kentucky School Boards Association and chairman, Simpson County Board of Education

Electric Utility Panel - The Role of Energy Efficiency in the Electric Utility of the Future

Moderator: Ron Willhite, director, KSBA-SEMP, Lonnie Bellar, senior vice-president, LG&E/KU; Chris Perry, president, Kentucky Association of Electric Cooperatives; Matt Satterwhite, president, Kentucky Power Company; Chuck Sessions, vice president, Duke Energy Kentucky

Utility executives discuss where the electric industry is going, future trends and cost drivers. They give insight into what customers can do to prepare for changes, and how utilities envision schools and the customer of the future.

Concurrent Breakout Sessions D, Wednesday, May 10

9:15–10:15
a.m.

LED Lighting Options

Jason Staples, LHI Lighting; Phil Jones, Eco Engineering

This session deals mainly with LED options for indoor lighting. Presenters give tips for reviewing information on specification sheets, including lumens per watt (efficacy) and the impact on future energy costs. Common indoor lighting products such as high bay lights, and office and classroom troffers are discussed; and new LED light fixtures and retrofit options are reviewed, along with the advantages and disadvantages of each.

Building Controls

Justin Kubly, Johnson Controls, Inc.

This session focuses on the role that building automation plays in providing an optimum learning environment. Topics include the latest technology advances and programs, as well as ideas for implementation in your district.

Energy-Efficient Building Design

Roland Mueller, RossTarrant Architects; Mark Saunier, Performance Services

Designing an energy-efficient school requires a careful plan with many components. Learn strategies implemented at Clark County's George Rogers Clark High School, with an in-depth look at the school's chilled beam system.

Life Cycle Project Costing - PART 1

Todd Smith, president, EBEB Solutions

KRS 157.455 strongly encourages the use of a life-cycle cost, a holistic approach to building design that considers construction, operation and maintenance during the initial decision-making process. This session is directed to school districts constructing new buildings or renovating existing buildings. Learn the steps to implementing Life Cycle Project Costing.

Concurrent Breakout Sessions E, Wednesday, May 10

10:30–11:30
a.m.

Why not 25 EUI or Less? Anatomy of Efficient Net Zero Ready School Design

Kenny Stanfield, Sherman Carter Barnhart; Doug Cage, GRW Engineering

The average school in Kentucky's Climate Zone 4 uses 73 EUI annually. This session explores the myriad decisions required when designing a new school or renovating an existing school. Proven design strategies can cut energy consumption by 75 percent or more with the same up-front cost as traditional design.

Engaging Students

Chris Baker, Kenton County Schools energy manager; Charley Haupt, New Energy Technologies

Installation of high-efficiency equipment and effective facility procedures are critical to energy management, but faculty, staff and students all play a key role. Learn about Kenton County Schools' E=WISE, Construction 101 and Green Engineering Academy, and find out more about the energy conservation internships their high school students are receiving.

Efficiency Through Innovation and Analytics

Kyle Johnson, Harshaw Trane; John White, SchoolDude

The physical learning environment is critical to student achievement. Ensuring proper lighting and comfortable ventilation impact academic performance. Learn how the integration of technology, analytics and active monitoring can present the opportunity for energy savings.

Life Cycle Project Costing - PART 2

Todd Smith, president, EBEB Solutions

KRS 157.455 strongly encourages the use of a life-cycle cost, a holistic approach to building design that considers construction, operation and maintenance during the initial decision-making process. This session is directed to school districts constructing new buildings or renovating existing buildings. Learn the steps to implementing Life Cycle Project Costing.

11:30--1 p.m. Lunch and Trade Show

Concurrent Breakout Sessions F, Wednesday, May 10

1-1:50 p.m. Operational Savings

Todd Smith, president, EBEB Solutions

Reducing overall energy use requires a district-wide strategy. Review the steps taken to achieve continued success, from leadership to investment and from partnership to recognition.

Engaging Students

Chris Baker, Kenton County Schools energy manager; Charley Haupt, New Energy Technologies

Installation of high-efficiency equipment and effective facility procedures are critical to energy management, but faculty, staff and students all play a key role. Learn about Kenton County Schools' E=WISE, Construction 101 and Green Engineering Academy, and find out more about the energy conservation internships their high school students are receiving.

Building Controls

Scott Cochrane, Cochrane Supply & Engineering

Learn how "open systems" and integration platforms like Tridium's Niagara Framework can result in an interoperable system, regardless of protocol. Gain the fixes that can allow you to engineer, monitor and control sites over the internet and provide aggregated data and analytics from all types of systems and locations in one place.

The Solar Option

Kenya Stump, Energy and Environment Cabinet; Ryan Stout, Performance Services

Solar energy credits and solar share facilities are among the options being offered by utility companies. What does that mean for schools when considering all available hours of sunlight?

General Session, Wednesday, May 10

2-3:45 p.m. Energy Leadership from the Top

Honorable Jim Gooch Jr, Kentucky state representative, House District 12, chairman of the House Natural Resources and Energy Committee and member, Special Energy Subcommittee

Kentuckians have been learning to manage energy resources during the past 10 years. This was reinforced in 2008 with House Bill 2, which required all public school districts to track and report annual energy consumption, and to develop plans to reduce energy consumption. Since that time, a statewide infrastructure has been developed and local school district energy efficiency efforts have succeeded.

Energy Leadership from the School Board

Ed Massey, chairman, Boone County Board of Education, former president of the National School Boards Association and Kentucky School Boards Association

As energy costs began rising, local boards of education began recognizing they had an opportunity to control their districts' energy use and save money to be used for educational purposes. The outcome? Effective use of energy impacts the learning environment and thus the academic success of students.

Educational Leader Panel Discussion

Moderator: Mike Armstrong, executive director, Kentucky School Boards Association

Dr. Rob Stafford, superintendent, Owen County Schools; Leisa Schulz, superintendent, Archdiocese Louisville Schools; Paul Gannoe, vice president, Eastern Kentucky University

Education leaders share their experiences on energy management. They discuss how efficient and student-friendly facilities support the learning environment and how delivering quality education with reduced budgets is assisted by having a skilled energy professional.

