

HIGH PERFORMANCE SUSTAINABLE SCHOOLS

DAY ONE AGENDA

THURSDAY, MARCH 23, 2006

7:30 am Continental Breakfast and Registration

8:00 am Exhibits

8:30 am Welcome

George Ward, Secretary, Kentucky Commerce Cabinet

8:40 pm Green Schools

Gene Wilhoit, Commissioner, Kentucky Department of Education

8:50 am Why We Chose a High Performance Building Approach

Dr. Susan Cook, Superintendent, Kenton County School District

9:10 am [Characteristics of a High Performance School](#)

Martha Tarrant, AIA, Ross-Tarrant Architects, Inc., President AIA Kentucky.

10:05 am Break/Exhibits

10:20 am High Performance School Features Across Kentucky – Panel

Moderator: John Davies, Director, Division of Renewable Energy and Energy Efficiency, Kentucky Office of Energy Policy

[Panel Presentation](#), Martha Tarrant, AIA, Ross-Tarrant Architects, Inc.

[Athens-Chilesburg Elementary](#), Susan Hill, Tate Hill Jacobs Architects

[Alvaton Elementary](#), Kenny Stanfield, AIA, Sherman Carter Barnhart Architects

11:20 am Lunch

Mark Ryles, AIA, Director of Facilities, Kentucky Department of Education

12:05 pm Exhibits

12:45 pm Student NEED Energy Team

Glenn O. Swing Elementary School

Tour Preparation Session – Twenhofel Design Team

Ehmet Hayes, Robert Ehmet Hayes & Associates

Tony Hans, P.E., CMTA

Robert Lape, Director of Facilities/Architect, Kenton County Schools

1:45 pm Board Buses for Twenhofel Middle School

Due to limited parking space at the school, we request that workshop participants take the bus to the school.

Continued on next page

2:15 pm Tour Twenhofel Middle School

*Assemble in cafeteria
Cheryl Jones, Principal
Beth Davis, Teacher*

2:30 pm Site Tour

Twenhofel NEED Energy Team serving as guides

1. Daylighting

*Location: Room 616 and Media room
Jim Benson, CMTA*

2. Curriculum and School as a Learning Lab

*Location: Room 703
Karen Reagor, The Kentucky NEED Project State Coordinator
Sharon Cross, Seventh Grade Science Teacher*

3. Rainwater Catchment System

*Location: Pump house
Jess Farber, CMTA*

4. Mechanical Platform

*Location: Room 906
Tom Wessling, CMTA
Mike Lowe, Twenhofel Plant Manager*

5. LEED and Building Materials

*Location: Cafeteria and gymnasium
Ehmet Hayes
Gary Millard, Messer Construction*

6. Vital Signs

*Location: Lobby
Chris Baker, Kenton County Schools
Tony Hans, CMTA
John Brofft, Innovative Energy Solutions*

7. Solar Panels

*Location: Hallway off lobby, facing outdoor courtyard
Tom Bailey, Cinergy*

4:30 pm Depart Twenhofel

5:00 pm Hors d'oeuvre Reception

*Cincinnati Airport Marriott
Sponsored by Exhibitors*

EXHIBITORS

Bard Manufacturing/JayKay Sales Co

615-948-5585

CMTA Engineering Consultants

859-253-0892

Forbo Flooring

570-459-0771

Holdfast Technologies LLC

937-879-6380

Hunter Panels

207-761-5678

Innovative Energy Solutions

513-874-6733

Johnson Controls

502-493-2134

**Kentucky/Indiana/Ohio Masonry
Associations**

502-962-2929

Musco Sports Lighting

502-867-7479

Powersmiths

614-471-1911

Tandus

513-522-1428

WaterFurnace International

800-934-5160

HIGH PERFORMANCE SUSTAINABLE SCHOOLS

DAY TWO AGENDA

FRIDAY, MARCH 24, 2006

- 7:15 am Continental Breakfast and Registration**
- 8:00 am Tour Preparation Session – Caywood Design Team**
Andrew Piaskowy, AIA, Piaskowy + Cooper
Mark Seibert P.E., CMTA
Rob Haney, Director of Operations, Kenton County Schools
- 9:00 am Board Buses for Caywood Elementary School**
- 9:15 am [Caywood Elementary School Tour](#)**
Assemble in cafeteria
Sara Callahan, Assistant Principal
Chris Baker, Kenton County Schools Energy Manger
- 9:30 am Site Tour**
- 1. Geothermal heating and cooling**
Mechanical Room 0205, 0206
Mark Seibert, CMTA
 - 2. Operations & Maintenance of a HP School**
Location: Media Center
Rob Haney, Kenton County Schools
 - 3. Utilizing Daylight in a Classroom**
Location: art classroom 1314
Andrew Piaskowy, AIA, Piaskowy+Cooper Architects
 - 4. Lighting and Dimming Controls**
Classroom 208
Chris Baker, Kenton County Schools
- 10:45 am Depart Caywood**
- 11:00 am Break/Exhibits at Marriott**
- 11:15 am How We Procured Our High Performance Schools**
Robert Lape, Director of Facilities/Architect, Kenton County Schools
with Ehmet Hayes and Andrew Piaskowy
- 11:45 pm Lunch/exhibits**
Index cards provided on tables for guests to submit questions of the speakers
- 12:45 pm The Value of Commissioning**
Robert Lape, Kenton County Schools
Harry Sladen, Facility Commissioning Group, Commissioning Agent for Kenton County Schools
- 1:15 pm Lessons Learned in a New Environment: Twenhofel and Caywood**
Robert Lape, Kenton County Schools
- 2:00 pm Ask the Experts!**
What questions do you still have about High Performance Schools? Address them to the panel of workshop speakers.
- 3:00 pm Adjourn**

SPEAKERS

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| <p>Susan Cook, Ed.D., Superintendent of Kenton County Schools for the past seven years and has been in education for 34 years. Kenton County Schools has an enrollment of 13,292 with 18 school buildings and a total annual budget of approximately \$90 million.</p> |
| <p>John Davies, Director of the Office of Renewable Energy and Energy Efficiency in the Kentucky Office of Energy Policy. In this capacity, he manages energy efficiency and renewable energy programs for the Commonwealth and works to develop public-private energy partnerships throughout Kentucky.</p> |
| <p>Tony Hans, P.E. Electrical engineer with CMTA Consulting Engineers where he is in his 10th year. He has his Masters and Bachelor's Degree in Engineering from the University of Louisville Speed Scientific School and recently spoke at the Green Energy Ohio and U.S. Green Building Council conference on high performance buildings. He was CMTA's project manager for the Twenhofel Middle School project.</p> |
| <p>Rob Haney, Director of Operations, Kenton County Schools, has a B.S. in accounting from Northern Kentucky University. Following six years doing public accounting, he spent six years as Treasurer and Director of Operations for the Covington Independent Schools. For the past seven years he has been Director of Support Operations with Kenton County Schools.</p> |
| <p>Ehmet Hayes, AIA, Associate Architect at the firm of Robert Ehmet Hayes & Associates in Fort Mitchell, Kentucky. He is a graduate of the University of Cincinnati College of Design, Architecture, Art and Planning and holds registrations in Kentucky and Ohio, NCARB certification and is LEED Accredited Professional.</p> |
| <p>Susan Hill, graduated from the University of Kentucky and is a registered architect in Kentucky and Oregon. She has studied both present-day and ancient sustainability principles, using Italian hill towns and the integration of natural and built environment. She is with Tate Hill Jacobs Architects, with current green design work that includes an environmental education center, a biofuels retail station and a new elementary school.</p> |
| <p>Robert Lape, Facilities Director for Kenton County Schools. He is a graduate of University of Cincinnati DAAP in Architecture and practiced for 25 years before joining Kenton County Schools to head up the Facilities Program. He is past president of the Kentucky Society of Architects.</p> |
| <p>Andrew Piaskowy, AIA, President of Piaskowy+Cooper Architects and Planners, received a Bachelors of Architecture from the University of Illinois and a Master's of Architecture and Urban Design from Washington University in St. Louis. His firm won a Merit Design Award for Caywood Elementary from the Tri-State Masonry Institute and has been selected to display at the National School Board Conference this April.</p> |
| <p>Karen Reagor, State Coordinator for the Kentucky NEED Project, conducts professional development workshops and provides energy education curriculum for K-12 teachers and students across the state. She is a former elementary school teacher, a member of the National Science Teachers Association, and in 2001, received the Governor's Award for Environmental Excellence in Energy Conservation.</p> |
| <p>Mark Ryles, AIA, Director of Facilities, Kentucky Department of Education, has a Bachelor of Architecture degree from the University of Kentucky. As director, his division managed over 3800 school construction projects at a value of over \$3 billion. Mr. Ryles practiced architecture 15 years before assuming this position in 1993.</p> |
| <p>Mark Seibert, P.E. received degrees for Bachelor of Science in Mechanical Engineering and an Associate of Applied Science in Electrical Engineering from University of Louisville. He is a partner in CMTA Consulting Engineers with a broad-based background that includes design experience with geothermal heat pump systems, variable and constant volume air distribution systems and various chilled, hot water and steam systems.</p> |
| <p>Harry Sladen, Certified Commissioning Agent with Facility Commissioning Group and Program Manager for FCG's work in the Kenton County Schools. He is in the various phases of commissioning seven of Kenton County Schools' buildings. Sladen has over 45 years of experience in commercial and industrial HVAC controls and building automation systems and is a member of ASHRAE.</p> |
| <p>Kenny Stanfield, AIA, received a Bachelor of Architecture degree from the University of Kentucky and has 20 years of experience designing schools in Kentucky. He has been with Sherman Carter Barnhart Architects for 17 years and designed Alvaton Elementary, the first insulated concrete form school in Kentucky.</p> |
| <p>Martha Tarrant, AIA, registered architect with over 25 years of experience and president of Ross-Tarrant Architects where she leads a staff of more than 40 employees in the design of award-winning educational architecture. Currently President of AIA Kentucky, she is serving on the committee developing the Green and Healthy Schools Program for Kentucky.</p> |
| <p>George Ward, Commerce Cabinet Secretary. Before being named Commerce Cabinet Secretary in October, he served as the Commissioner of the Kentucky State Department of Parks. As Commissioner, George Ward ran the department's 52 state parks with 1,150 employees and an annual operating budget of \$85 million.</p> |
| <p>Gene Wilhoit, Commissioner of the Kentucky Department of Education. As chief executive of this department, he oversees an annual budget of \$3.4 billion, almost all of which passes through to local schools. The department provides assistance and resources to the state's 176 school districts and nearly 1,300 schools. The department has approximately 400 employees in Frankfort and across the state.</p> |