

Curriculum Vitae: Donald Colliver, Ph.D., P.E., F-ASHRAE

1. Name, Academic Rank and Duties

Donald G. Colliver, Ph.D. P.E., Fellow ASHRAE

Professor, University of Kentucky

Research, undergraduate and graduate teaching and deployment activities related to energy, environmental control and green design in buildings; codes and standards; instrumentation/experimental design

2. Degrees, with field, institution and date

B.S. Agricultural Engr., University of KY, December 1974.

M.S. Agricultural Engr., University of KY, May 1977. Development of Residential Energy Model

Ph.D. Agricultural Engr., Purdue University, May 1979. Modeling of Solar Drying

3. Other related experience

10/11-Present, Associate Director, Kentucky Industrial Assessment Center, Univ of KY

06/10-Present, Associate Director, Power and Energy Institute of Kentucky, Univ of KY

02/10-8/10, Member, Technical Working Group, Kentucky Climate Action Plan Council

05/09-Present, Board Member, KY Center for Renewable Energy Research and Environmental Stewardship, Governor Appointment

6/03-Present, Chairman, *Advanced Energy Design Guide* Steering Committee consisting of AIA, ASHRAE, ISENA, USGBC and DOE; and document development team member on *Small Office, Small Retail, K-12 School Buildings, Warehouses, Small Healthcare Facilities* Guides. Over 370,000 copies of these books have been distributed.

3/05-Present, Commissioner, Jessamine County Planning and Zoning Commission

2/02-Present, Member, National Engineers Week Steering Committee, Trustee – Foundation (03/04)

1/08-12/09, Faculty Advisor and CoPI, UK Entry in the 2009 US DOE Solar Decathlon

5/06-2008, Chairman DOE/NASULGC Energy Efficient Sustainable Design Building Curriculum Development Steering Group

5/02-5/03 President, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

2/02-2/03 Chairman, 2003 National Engineers Week

3/94-8/94 Visiting Specialist, Air Infiltration and Ventilation Center, International Energy Agency, Coventry, Great Britain

9/76-5/79 Graduate Research Instructor, Agricultural Engr, Purdue University.

1/75-8/76 Graduate Research Assistant, Agricultural Engr, Univ of KY

4. Examples of Disclosable Consulting

Setty & Associates / US Department of State. 2006. Evaluation of Embassy Designs for Energy Efficiency.

US Department of Energy. Proposal Merit Evaluator. Energy Efficient Building Equipment and Envelope Technologies. 2000, 2001.

Office of Research, University of California, Office of the President. Program Reviewer - California Institute for Energy Efficiency 1999.

U.S. Department of Energy (Office of Science, Office of Planning and Analysis). Program Review Panel Member - Energy Efficiency and Renewable Energy Program. 1999.

Expert Witness for several residential air infiltration/air quality cases and energy related testimony before state and federal legislative bodies.

5. State of Professional Engineer Registration

Kentucky - #12228

6. Principal publications of last few years

---. 2011. *Advanced Energy Design Guide for K-12 School Buildings - Achieving 50% Energy Savings Toward A Net Zero Energy Building*. ASHRAE. ISBN 978-1-936504-13-8.

---. 2011. *Advanced Energy Design Guide for Small to Medium Office Buildings - Achieving 50% Energy Savings Toward A Net Zero Energy Building*. ASHRAE. ISBN 978-1-936504-05-3.

- . 2009. *Advanced Energy Design Guide for Small Hospitals and Healthcare Facilities - Achieving 30% Energy Savings Toward A Net Zero Energy Building*. ASHRAE. ISBN 978-1-933742-66-3.
- . 2008. *Advanced Energy Design Guide for Small Warehouses and Self-Storage Buildings - Achieving 30% Energy Savings Toward A Net Zero Energy Building*. ASHRAE. ISBN 978-1-933742-22-9.
- . 2008. *Advanced Energy Design Guide for K-12 School Buildings - Achieving 30% Energy Savings Toward A Net Zero Energy Building*. ASHRAE. ISBN 978-1-933742-21-2.
- Colliver, D.G. 2007. Annual Variability of Energy Usage in a Small Office Building Due to Weather. CLIMA 2007 - 9th REHVA World Congress. Helsinki, Finland.
- Jarnagin, R.E, M.F. McBride and D.G. Colliver. 2006. *Advanced Energy Design Guide for Small Retail Buildings*. ASHRAE Journal 48(9):26-31.
- . 2006. *Advanced Energy Design Guide for Small Retail Buildings - Achieving 30% Energy Savings Toward A Net Zero Energy Building*. ASHRAE. ISBN 1-933742-06-2.
- Colliver, D.G. and R.E. Jarnagin. 2005. Achieving 30% Progress Toward a Net-Zero-Energy Small Office - Development of the Advanced Energy Design Guide for Small Office Buildings. Clima 2005 - 8th REHVA World Congress. Lausanne, Switzerland.
- Colliver, D.G. and R.E. Jarnagin. 2005. Development of the Advanced Energy Design Guide for Small Office Buildings.. ASHRAE Journal. March. See also Illuminating Engineering Society of North America (IESNA) Online site <http://iesna.org/PDF/Store/AEDGArticle.pdf>
- . 2004. *Advanced Energy Design Guide for Small Office Buildings – Achieving 30% Energy Savings Over ANSI/ASHRAE/IESNA Standard 90.1-1999*. ASHRAE. ISBN 1-931862-55-9.
- Colliver, D.G. 2003. HVAC Influence in Building our World. Society of Heating, Air-Conditioning & Sanitary Engineers of Japan (SHASE) Journal 77(9):779-785 (In Japanese)
- Colliver, D.G. 2003. Ventilation, Humidity Control and Energy: A Tightrope of Challenges and Opportunities, CD-ROM Proceedings of 24th Air Infiltration and Ventilation Centre Conference, AIVC, Annex V of International Energy Agency
- Colliver, D.G. 2003. Induction Address - International Honorary Member. SHASE Journal 77(6) (In Japanese)

7. Scientific and professional societies of which a member

NSPE, ASHRAE, USGBC/KY

8. Honors and awards

Sustainability Buildings Industry Council – Education Award – Accepted for *Advanced Energy Design Guide for Small Office Buildings (AEDG)* Team, 2005.
 US Green Building Council Leadership Award – Research, Accepted for *AEDG* Team, 2005.
 Alliance to Save Energy, Stars of Energy Efficiency Runner-Up Category C –*AEDG* Team, 2005
 Fellow, ASHRAE 1995
 International Honorary Member, The Society of Heating, AC and Sanitary Engrs of Japan - 2003
 Distinguished Service Award, ASHRAE, 1995.
 Distinguished Lecturer, ASHRAE 2002, 2003
 University of Kentucky Fellow, 1988.

9. Institutional and professional service in the last 5 years

11/10-5/11 Developed and lead architect/engineer/code official training on new KY Energy Code for three days at five locations in Kentucky
 2/06-10/07 Sponsor representative 2007 Solar Decathlon,
 2/04-Pres Steering Committee Member National Engineers Week
 Reviewed numerous technical papers and research proposals.
 Served on the boards and/or several standing committees of ASHRAE, National Engineers Week
 Gave banquet or keynote addresses at four US conferences and ten overseas meetings

10. Professional development in the last 5 years.

Attended technical sessions, etc. at over 30 regional, national or international society meetings.
 Have attended and/or organized numerous workshops related to HVAC, Building Design, and USGBC-LEED.