



**PROFESSIONAL ENERGY CODE SEMINAR
ANSI/ASHRAE/IESNA STANDARD 90.1-2004
ENERGY STANDARD FOR BUILDINGS
EXCEPT LOW-RISE RESIDENTIAL BUILDINGS**



**ONE-DAY SEMINAR CO-SPONSORED BY –
THE CENTRAL PENNSYLVANIA CHAPTER OF ASHRAE
PA DEPARTMENT OF ENVIRONMENTAL PROTECTION
GOVERNOR’S GREEN GOVERNMENT COUNCIL**



Wednesday, March 19, 2008

Location

**Pennsylvania Department of Environmental Protection
Rachel Carson State Office Building
400 Market Street
Harrisburg, PA 17105**

Link for directions and parking -

<http://www.depweb.state.pa.us/dep/cwp/view.asp?a=3&q=474491>

OBJECTIVE

As states and local governments adopt ANSI/ASHRAE/IESNA Standard 90.1, “*Energy Standard for Buildings Except Low Rise Residential Buildings*” and building owners require compliance, ASHRAE is responding to requests to provide in-depth training on the Standard. New Jersey requires compliance with the Standard. Pennsylvania has adopted the 2006 International Energy Conservation Code (IECC) as part of the mandatory statewide Uniform Construction Code (Act 45), which includes an option for compliance with the Standard. New York is proposing an option in their Code for the Standard. Most other states adopt and enforce the IECC.

The Standard sets the minimum requirements for energy use in buildings except low-rise residential buildings and the methodology to attain these goals. It differs from past Standards as it addresses not only new construction but also additions and renovations to existing facilities. This Standard is also the sole mandatory minimum energy benchmark for the US Green Building Council Leadership in Energy and Environmental Design (LEED-NC®) program and for the Federal tax deductions available under the 2005 Energy Policy Act (EPACT).

WHO SHOULD ATTEND

Architects, Engineers, Building Owners, Code Officials, Building Managers, Contractors, Equipment Manufacturers and their Representatives, Students, and other parties involved with construction, renovation, and operation of facilities. Continuing education certificates and credits will be offered, including those for AIA and Florida professional licenses.

REGISTRATION

Attention: Thomas Long

Phone: 717.763.7211

Email: thomas.long@mail.ashrae.org

Fax: 717.763.9357

Email Tom Long with the following information:

NAME, COMPANY, ADDRESS, PHONE#, FAX #, EMAIL, and if the books are not wanted.

Checks to be made out to: CENTRAL PA CHAPTER ASHRAE. *Sorry, we do not accept credit cards.*

Mail checks to: ASHRAE, c/o T. Long, Gannett Fleming, Inc., PO Box 67100, Harrisburg, PA 17106-7100

REGISTRATION FEES

The fee for the seminar is \$150 with the Standard and User’s Manual, or \$70 without Standard and User’s Manual. Full Time Students and Full Time Code Officials receiving books are invited at a discounted fee of \$120 with the Standard and User’s Manual, or \$40 without the books. The Registration Fee includes:

- Instruction on the application of the Standard to be presented by eminent industry professionals.
- Copies of both Standard 90.1-2004 and the associated User’s Manual. If purchased independently the cost for these two books alone would be \$203.00 for non-ASHRAE members and \$162.00 for ASHRAE members.
- Lunch and Breaks

SEMINAR SCHEDULE

REGISTRATION – 8:30 AM

1ST MORNING SESSION - 9:00 AM

Introduction of presenters
Overview/Organization of ASHRAE 90.1-2004

BREAK – 10:15 AM

2ND MORNING SESSION – 10:30 AM

Building Envelope compliance

LUNCH - 12:00PM

1ST AFTERNOON SESSION - 12:45 PM

HVAC compliance
Service Water Heating compliance

BREAK – 2:45 PM

2ND AFTERNOON SESSION - 3:00 PM

Power compliance and Lighting compliance
Users Manual and ASHRAE Services
Concluding remarks

FINISH - 5:00 PM

SPEAKERS

Lawrence G. Spielvogel, PE

He is an ASHRAE Fellow and Distinguished Lecturer. Mr. Spielvogel previously served on and chaired the ASHRAE Homeland Security and Advocacy Committees, the ANSI/ASHRAE/IESNA Standard 90.1 Project Committee, ASHRAE Standard 105 on Building Energy Performance, the Standard 90 Panel on HVAC Systems, and ASHRAE technical committees on energy utilization, computer applications, and service water heating. He is also a Fellow of CIBSE (Chartered Institution of Building Services Engineers) (England), a Fellow of SLL (Society of Light and Lighting) (England), and a member of many other technical societies.

Lou Rugulo, P.E., CEM

Mr. Rugulo has over 18 years experience as a project manager and energy engineer, specializing in the development and implementation of demand-side management solutions for major clients as well as assisting clients in taking advantage of the various energy incentive programs available in the area, including financing, rebate and grant programs. Mr. Rugulo's experience encompasses design, retrofit, and troubleshooting of HVAC systems in a variety of applications such as residential, commercial, laboratory, clean room, industrial and aircraft settings. Mr. Rugulo has a B.S. in Mechanical Engineering, is a licensed Professional Engineer, and is an Adjunct Professor at Stevens Institute of Technology.

Larry Kouma

Mr. Kouma is a Senior Product Manager at Johnson Controls and has been working in the HVAC industry for more than 15 years. He has experience with hydronic system design including product and application support for steam and chilled water systems. He currently leads a team responsible for R&D direction, product planning and engineering, application support, and system integration for large chilled water equipment. He is a current voting member of the SSPC 90.1 Committee, including active membership on the Mechanical Subcommittee. He has a BS in Mechanical Engineering and an MBA in Finance.

Carl M. Watson, PE, LC

A member of IESNA for over 25 years and a registered engineer, he is an award winning lighting designer, author, and electrical engineer. He has BS in EE and an MBA from Drexel University. He is also a member of IEEE and NSPE and is Lighting Certified by the National Council on Qualifications for the Lighting Professions. He specializes in developing and implementing very effective energy management solutions that optimize aesthetics, efficiency, and maintainability. Past projects have included lighting design, power quality and energy studies for office buildings, health care facilities, banks, schools, churches, multi-family residential, parking, and municipal facilities.

Special Guest Speaker - Cyrus Nasser

Mr. Nasser is head of the Design, Operation, Maintenance, and Procurement Program in the Federal Energy Management Program at the U.S. Department of Energy. He is in charge of implementing Laws and rulemaking for energy efficiency for all Federal buildings.

ATTENDANCE IS LIMITED -
PLEASE RESPOND BEFORE March 7, 2008