



The Electrical Association of Philadelphia
presents
**Update on the Latest Editions of Two Sections of the
Mandated Energy Code**
Wednesday, October 17, 2018

The Commonwealth of Pennsylvania has finally approved the adoption of the entire suite of **2015** International Building Codes (IBCs) for Residential and Non-Residential building projects statewide. This change will take effect on **October 1, 2018**. The **2015** IBCs reference the **2013** Standard 90.1 and the **2014** NEC (National Electric Code). However, more recently, the City of Philadelphia has approved the adoption of a very slightly amended version of the entire suite of **2018** IBCs, **only** for Commercial, Industrial, Institutional, and Multi-Family (Apartments & Condominiums) building projects. The **2018** IBCs reference the **2016** Standard 90.1 and the **2017** NEC. Conversely, Single-Family, Two-Family, and Townhouse Residential building projects in Philadelphia will remain in-step with the State; and therefore, they will need to be designed to meet the **2015** IBCs. Both of these new citywide building code changes for Philadelphia will also take effect on **October 1, 2018**.

Course Description: An in-depth survey of the extensive **electrical** and **lighting** provisions of the **ASHRAE/IES/ANSI Standard 90.1** and their crucial role in the electrical and lighting design process, especially for “sustainable” or “green” buildings. The relationship between Standard 90.1 - 2007 and IECC - 2009 (The International Energy Conservation Code) will be presented; along with the multiple contrasts between these relatively similar, yet slightly different, legislated energy efficiency mandates. This intensive course will provide a detailed incremental examination of the specifics of the electrical and the lighting requirements of the **2007**, the **2010**, the **2013**, and the **2016** editions of **Standard 90.1**. Due to time limitations, this course will **not** address the remaining principal components of the energy code, including building envelope, HVAC, service (domestic) hot water heating, and other code requirements.

Reasons to Attend: These extensively revised code provisions, which are much more comprehensive than in the past, affect virtually all new building projects, as well as most renovation projects for existing buildings, throughout **PA, NJ, DE** and beyond, within the Mid-Atlantic region. You cannot afford to neglect this unparalleled opportunity to enhance dramatically your knowledge about the newer and more stringent electrical and lighting requirements of the recently updated energy code, which has been mandated by these two governmental entities. It is noteworthy that the State of New Jersey is already enforcing newer versions of **Standard 90.1**, exclusively.

About the Instructor: Carl M. Watson, P.E., MBA, LC is a broadly experienced, knowledgeable and seasoned consulting engineer who specializes in developing and implementing highly effective lighting design and energy cost reduction projects that optimize aesthetics, energy efficiency, and maintainability.



Date: Wednesday, October 17, 2018
Time: 12:30 p.m. – 1:00 p.m. Lunch
 1:00 p.m. – 3:30 p.m. Seminar
Cost: EAP Member Rate: \$25/Non-Member Rate: \$35
Location: The EAP Office, Plymouth Meeting, PA
Instructor: Carl M. Watson, P.E., MBA, LC
PDHs: 2 for PEs approved by IEEE

“Revised codes affect virtually all new building projects, as well as most renovation projects, throughout PA, NJ and DE. This is a must-attend class.” – Carl Watson

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