



# The Electrical Association of Philadelphia

presents

## National Electrical Code (NEC) for HVAC

### Friday, April 26, 2019

**Do You Know the Importance of the NEC? Here are some questions for you:**

- ✓ Why do my competitors sometimes install fused disconnects and sometimes non-fused disconnects?
- ✓ How do I size the branch circuit for the oil burner?
- ✓ Is an emergency shutoff switch required for both oil and gas burners?
- ✓ Is it true that the black pipe gas line has to be bonded to the grounding electrode system?
- ✓ What is a grounding electrode system anyway and what does "bonded" mean?
- ✓ What are the rules for placement of the HVAC disconnect switches?
- ✓ Is the installer required to provide a luminaire for service personnel at the rooftop unit location or just at indoor locations?
- ✓ Is it okay to run the Class 2 T-wire in the same liquid-tite raceway as the Class 1 THWN conductors?
- ✓ Is the HVAC unit considered a "continuous load"? If yes, just what does that mean to the installer?
- ✓ What is meant by max OCPD vs. max fuse size?
- ✓ What is "ampacity adjustment" all about?
- ✓ Is it code-compliant to run Romex to the outdoor unit of a split unit heat pump as long as it is in liquid-tite conduit?
- ✓ Is it true that Greenfield is not allowed for outdoor installations anymore?
- ✓ My AHJ (inspector) keeps telling me to comply with NEC Article 110.3(B). Why? What does it mean?
- ✓ Is it true that I must have a 125 V receptacle installed within 25 ft. of the outdoor HVAC unit I just installed? If so, does it have to be the tamper-resistant type? GFCI-protected? AFCI-protected? Must an in-use or "bubble" cover be installed? Heavy-duty?

**Date:** Friday, April 26, 2019  
**CEUs:** 8 for Philadelphia, NJ, DE, MD, and FL Contractors;  
 5 for Cecil County, MD Contractors;  
 8 for PA Electrical Inspectors; 8 NATE CEHs  
**PDHs:** 8 for PEs approved by IEEE  
**Schedule:** 7:15 a.m.: Registration – 7:30 a.m. - 4:30 p.m.: Class  
**Cost:** EAP Member Rate: \$250 / Non-Member Rate: \$295  
**Location:** **The EAP Office, 1787 Sentry Parkway West, VEVA 16**  
**1<sup>st</sup> Floor Classroom, Blue Bell, PA 19422\*\*\* NEW LOCATION**  
**Instructor:** Rich Van Wert



**Required Text** Bring your own copy of the 2014 NEC book  
**For those who want NJ CEUs** – you must bring your photo ID & NJ License

- Questions? Contact us by phone at (610) 825-1600 or by email at [electric@eap.org](mailto:electric@eap.org).
- To pay by credit card, please register online at [www.eap.org](http://www.eap.org) or call us at (610) 825-1600. Please note that we **cannot** accept credit card information sent by email or fax.
- To pay by check, please complete this form and send it in with your check. Make checks payable to: The EAP
- Payment is required at the time of registration to reserve your seat.
- **No refunds...see our refund policy at [www.eap.org](http://www.eap.org).**

### Registration

To pay by credit card, please visit [www.eap.org](http://www.eap.org). To pay by check, please complete this form.

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