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**Burns**

# ASHRAE 90.1 Technical Seminar

**Wednesday, March 24th  
&  
Thursday, March 25th**

**\*Rescheduled**

**Live Instruction & Remote go-to-meeting**

**For More Information Contact: [c021mem@ashrae.net](mailto:c021mem@ashrae.net) or 610-971-2169**

**16 PDHs**

## Schedule

### Wednesday March 24, 2021

|                  |   |
|------------------|---|
| 7:30 - 8:00 AM   | Registration  |
| 8:00 - 8:30 AM   | Intro, ECC, User's Manual,<br>Scope:<br>Larry Spielvogel, PE<br>Past 90.1 Chair |
| 8:30 - 12:00 PM  | Building Envelope:<br>Joseph Deringer, AIA<br>SuPerB, Past 90.1 Envelope Chair  |
| 12:00 - 12:45 PM | BREAK   |
| 12:45 - 1:30 PM  | Building Envelope:<br>Joseph Deringer, AIA<br>SuPerB, Past 90.1 Envelope Chair  |
| 1:30 - 3:45 PM   | Lighting:<br>Carl Watson, PE<br>Consulting Engineer and Code<br>Official        |
| 3:45 - 5:00 PM   | Energy Modeling & App. G:<br>Michael Tillou, PE<br>DOE PNNL, 90.1 ECB Committee |

### Thursday, March 25, 2021

|                  |  |
|------------------|--|
| 7:30 - 8:00 AM   | Registration   |
| 8:00 - 8:30 AM   | Intro, ECC, User's Manual,<br>Scope:<br>Larry Spielvogel, PE<br>Past 90.1 Chair          |
| 8:30 - 12:00 PM  | HVAC Systems:<br>Dick Lord Carrier,<br>90.1 Vice Chair &<br>90.1 Mechanical Committee    |
| 12:00 - 12:45 PM | BREAK  |
| 12:45 - 3:00 PM  | HVAC Equipment:<br>Dick Lord, Carrier,<br>90.1 Vice Chair &<br>90.1 Mechanical Committee |
| 3:15 - 4:00 PM   | Service Water Heating:<br>Carl Watson, PE<br>Consulting Engineer and Code<br>Official    |
| 4:00 - 5:00 PM   | Compliance:<br>Ernie Conrad, PE<br>Consulting Engineer<br>90.1 ECB Committee             |

The Philadelphia Chapter of ASHRAE is offering a comprehensive, in-depth and unique two-day program covering ANSI / ASHRAE / IES Standard 90.1 (2016) Energy Standard for Buildings (except Low-Rise Residential Buildings). This is the mandatory energy code in New Jersey, an option in Philadelphia and Maryland, and an expansion of the optional energy code in the rest of Pennsylvania. A program of this magnitude and depth is not available anywhere else and at this low a cost. Registration is open to everyone interested, and especially members of AIA, IES, IALD, USGBC, and CSI. **All presenters are the people who write and enforce the 90.1 Standard.**

#### Location:

Burns Engineering, Training Room  
Two Commerce Square  
2001 Market Street, Suite 600  
Philadelphia PA 19103

#### Cost:

**\$100 Chapter Member and Code Official**  
\$135 Society Member  
\$200 Reciprocal Society Member  
(AIA, IES, IALD, USGBC & CSI only  
Information required)  
\$250 Guest

*Registration fee includes both  
days and handouts.  
A continental breakfast, lunch,  
snacks and refreshments will  
be provided each day.*

#### Standard 90.1 & 90.1 Users Manual for are available for purchase:

**\$90 Chapter Member or Code Official - Standard 90.1 (2013/2016/2019)**  
**\$110 Chapter Member or Code Official - 90.1 User Manual (2013/2016)**  
\$110 ASHRAE Society Member - Standard 90.1 (2013/2016/2019)  
\$125 ASHRAE Society Member - 90.1 User Manual (2013/2016)  
\$120 Guest - Standard 90.1 (2013/2016/2019)  
\$130 Guest - 90.1 User Manual (2013/2016)

*Available at a drastically reduced price (without shipping) when paid in advance with the seminar registration. Ordinarily, these books sell to non-ASHRAE members for \$177+shipping, and to members for \$133+shipping.*

**Register:** <https://ashraephilly.org/meetinginfo.php?id=104&ts=1583026970>

**Remote Participation (Online):** Register for the seminar and then email [c021mem@ashrae.net](mailto:c021mem@ashrae.net) for the link and meeting details.

**Public Transportation:** SEPTA Suburban Station (3 blocks), AMTRAK 30th St Station (5 blocks)  
**Nearby Hotels:** Sonesta, Softel, The Westin, Holiday Inn Midtown, etc.

**Parking:** Burns discounted parking (\$13) at the William Penn House garage, 36 S. 19th St.