



ASHRAE

Region V
Chapter Regional Conference
Cincinnati, Ohio
August 12-14 2010



Come join us August 12-14th 2010 as we host the 2010 ASHRAE Region V Chapter Regional Conference! The Cincinnati Chapter is proud to be your host and show off our great city!

Thursday Aug 12th:

Join us for a round of golf at Blue Ash Golf Course, or visit Greensource Cincinnati for the CRC open house / Tour. Greensource Cincinnati is a downtown building (walking distance from the hotel) originally built in 1875 that is now registered for LEED Gold Certification! With over 50 technologies that are installed, operating and being monitored to verify energy savings. It is **THE** Resource Center for the Green Building Community in the Region!

The Caucus starts at 5 pm and the Welcome Reception starts at 6:30pm.

Friday Aug 13th:

After our business meeting we will have our tech sessions with guest speaker Merle McBride PHD PE. Our two topics are Ashrae standard 189.1 and the Ashrae Advanced Energy Guide. Then we will be off to the Great American Ball Park to enjoy dinner and watch the Cincinnati Reds play the Florida Marlins.

Saturday Aug 14th:

The committee workshops and Awards Luncheon will cap off our weekend.

Mark your calendars today and bring the whole family and enjoy all that Cincinnati has to offer. There is something for everyone.

ASHRAE Region V Chapter Regional Conference

August 12th -14th, 2010

Hilton Cincinnati Netherland Plaza

This art deco landmark is across from Fountain Square in the heart of downtown Cincinnati. The hotel is within the Carew Tower complex which features Tower Place Mall, with over 40 upscale shops and restaurants including Morton's Steakhouse, TJ Maxx, Macy's, Tiffany's, Saks Fifth Ave., The Havana Martini Club and Boi Na Braza Steakhouse and the city's only Food Court. The hotels is also just a short block away from the Duke Energy Convention Center and minutes from all downtown's major attractions, including Great American Ballpark, Paul Brown Stadium, US Bank Arena, Aronoff Center for the Performing Arts, The National Underground Railroad Freedom Center, Contemporary Arts Center, and Taft Museum.

The Hotel is a National Historic Landmark and one of the finest examples of French Art Deco in the world. The hotel is renovated and offers Hilton Hotel's Serenity Bed package with triple sheeting and plush duvet. In addition, the hotel has a full service Health and Fitness center located on the lower level which is the largest and most complete in the city.

For Hotel reservations call 1-800-hiltons, our event code is ARC and the rate is \$99.00 per night. Rooms are being held on a first come first serve basis until July 27th, so act quickly.

Places of interest in Cincinnati



Cincinnati Museum Center



Contemporary Arts Center



Cincinnati Aronoff Center for the Arts



Newport Aquarium



Newport on the Levee



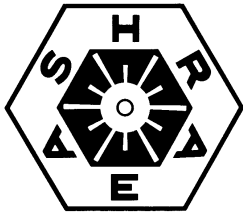
Krohn Conservatory



Cincinnati Zoo & Botanical Garden



Kings Island



American Society of Heating, Refrigerating And Air-Conditioning Engineers

Region V, Chapters Regional Conference
Cincinnati Netherland Plaza
Cincinnati, Ohio
August 12-14th, 2010

Schedule/Agenda

Thursday

August 12th

	<u>Meeting</u>	<u>Invited Attendees</u>	<u>Location</u>
9:00 am 5:00 pm	Travel on your own	All	Cincinnati
11:00am 4:00 pm	Golf	By Registration	Blue Ash GC
1:00 pm 3:00 pm	Greensource Cincinnati open house/tour	All	Greensource
3:00 pm 6:30 pm	Hospitality	All	(Room 640 6th)
3:30 pm 6:30 pm	Registration	All	(Lobby)
4:30 pm 5:00 pm	Orientation	All	(Salon DE 4th)
5:00 pm 6:00 pm	Caucus	Delegates & Alternates	(Salon DE 4th)
6:30 pm 8:00 pm	Welcome Reception	All	(Mezzanine)

Friday

August 13th

	<u>Meeting</u>	<u>Invited Attendees</u>	<u>Location</u>
7:00 am 6:00 pm	Registration	All	(Lobby)
7:00 am 6:00 pm	Chapter History Displays	All	(Salon M 4th)
7:00 am 6:30 pm	Hospitality	All	(Room 640 6th)
6:30 am 8:00 am	Continental Breakfast	All	(Mezzanine)
7:30 am 11:15 am	General Business Session I	All	(Continental)
11:30 am 1:00 pm	President's Lunch	All	(Rookwood 4th)
1:15 pm 4:15 pm	Technical Sessions	All	(Salon H, I 4th)
4:15 pm 5:00 pm	Executive Session	Delegates & Alternates	(Salon FG 4th)
4:15 pm 5:00 pm	Region V Planning Meeting	Region V Officers/RVC's	(Hospitality)
6:15 pm 10:00 pm	Cincinnati Reds Game	All	(GABP)

Saturday

August 14th

	<u>Meeting</u>	<u>Invited Attendees</u>	<u>Location</u>
7:00 am 9:00 am	Registration	All	(Lobby)
7:00 am 12:00 pm	Hospitality	All	(640)
7:00 am 8:30 am	Continental Breakfast	All	(Hall of Nations)
7:00 am 2:30 pm	Chapter History Displays	All	(Salon M)
8:00 am 11:00 am	Workshop: CTTC (TEGA/Programs)	Committee Members	(Salon B 4th)
8:00 am 11:00 am	Workshop: Student Activities	Committee Members	(Salon C)
8:00 am 9:30 am	Workshop: Operations & Finance	Chapter Officers	(Salon D)
8:00 am 11:00 am	Workshop: Membership Promotion	Committee Members	(Salon E)
8:00 am 11:00 am	Workshop: Resource Promotion	Committee Members	(Salon F)
9:30 am 11:00 am	Workshop: Historical	Committee Members	(Salon D)
11:15 am 1:15 pm	Awards Lunch	All	(Rookwood 4th)
1:15 pm 2:30 pm	General Business Session II	All	(Continental)
2:30 pm 3:30 pm	CRC Review	Past & Future CRC	(Hospitality 6th)

TECH SESSIONS

3 PDH'S

ANSI/ASHRAE/USGBC/IES Standard 189.1-2009

“Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings”

Merle McBride, Ph.D., P.E.

ASHRAE Standard 189.1 was developed as a collaborative effort with representatives from ASHRAE, USGBC and IES. It was written in code language and contains the minimum acceptable criteria for high-performance green buildings. The criteria covers six broad categories: Site Sustainability, Water Use Efficiency, Energy Efficiency, Indoor Environmental Quality, Building's Impact on the Atmosphere, Materials, and Resources, and Construction and Plans for Operation. Each category contains a statement of scope, compliance paths, mandatory provisions, prescriptive option and a performance option. This overview will help you understand the new requirements, how they impact your business, and highlight what technical expertise, skills and knowledge will be needed to apply this standard.

ADVANCED ENERGY DESIGN GUIDES

Merle McBride, Ph.D., P.E.

ASHRAE has published Advanced Energy Design Guides (AEDGs) for small offices, small retail buildings, schools K-12, small warehouses and self-storage, highway lodging and small hospitals and healthcare facilities that achieve 30% energy savings relative to ASHRAE Standard 90.1-1999. These guides provide simple prescriptive recommendations for each of the eight climate zones that can be used to achieve LEED certification in lieu of detailed simulations. All of the recommendations are consolidated for each climate zone and include the envelope, lighting, HVAC equipment, service water heating as well as bonus savings. In addition to the prescriptive recommendations each guide contains how-to-tips which provide additional details on implementing the recommendations. Individual case studies are presented that highlight key features.

The presentation will cover the development process, explain how the recommendations were set and the energy savings that were achieved.

SPEAKER/PRESENTER

Merle F. McBride, Ph.D., P.E. has been with Owens Corning for 34 years and is a Senior Research Associate. He received his degrees in Mechanical Engineering from the Ohio State University and is a registered professional engineer in Ohio. His technical focus has been the energy performance of residential and commercial buildings which he has used in the development of U.S. energy codes and standards. Dr. McBride has been an active member in ASHRAE at the national level since 1976, has served on several Technical Committees and was a contributing author to handbook chapters. His current committee appointments include Standards 90.1, 90.2, and 189.1. He has been on all six of the ASHRAE Advanced Energy Design Guide committees. Dr. McBride has published 46 technical papers, was awarded two U.S. patents, and received multiple awards from ASHRAE and industry.

GREENSOURCE CINCINNATI ASHRAE CRC TOUR

19 E. 8TH ST.
CINCINNATI, OH. 45202



greensource
CINCINNATI
GreenSource Cincinnati
powered by Monroe
Mechanical, Inc. and
Housh- The Home Energy
Experts

ASHRAE TOUR



AUGUST 12TH, 2010
OPEN HOUSE 1-4PM

You are Invited!

Tour Four Floors of Energy Efficient Sustainable Technologies

A building originally built in 1875 that is now registered for
LEED Gold Certification!

GreenSource Cincinnati is the Resource Center for the Green
Building Community.

From Solar Thermal to Green Roof Systems, Grey
Water Reclamation, to Energy Efficient Data Centers-
GreenSource Cincinnati hosts over 50 technologies that are all
installed, operating and being monitored to verify energy
savings!

[Resgister Now!](#)



Click on the Link below to

Register:

[**REGISTER NOW!**](#)

GreenSource Cincinnati

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Murdock

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Patterned Concrete

PEDCO

Zoeller



Refreshments will be provided. Please **REGISTER** by clicking on the link below:

[GreenSource Cincinnati Calendar](#)

If you have any questions regarding this event please contact us at the email address listed below.

Thank you for your attention to this invitation and we look forward to seeing you.

Thank you,

Elizabeth Housh Reynolds

ereynolds@greensourcecincinnati.com

1-866-8GO-GREEN



greensource
CINCINNATI

GreenSource Cincinnati

19 E. 8th St.

Cincinnati, OH. 45202

GreenSource Cincinnati
Affiliates:



[Join Our Mailing List!](#)

ALL CRC REGISTRATION IS ON LINE VIA THE LINK BELOW
<https://xp20.ashrae.org/secure/CRCRegion5/region5.php>
After August 1st there is a late registration fee of \$50.00