



ASHRAE ACTION

ROANOKE CHAPTER NEWSLETTER

(WWW.ASHRAEROANOKE.ORG)

SEPTEMBER 2010

SEPTEMBER MEETING

**PLEASE JOIN US FOR A GREAT MEETING AT
PLANTATION CREATION!**

Tuesday, September 14th at LUNCH
Plantation Creations
7342 Plantation Road Roanoke, VA 24019

SPEAKER:

Charlie Waddell
President
Global Plasma Solutions

TOPIC:

**How to Reduce Outside Air using
ASHRAE 62.1 Indoor Air Quality
Procedure**

AGENDA:

Doors open at 11:45
LUNCH: 12:00 pm (Lunch is \$20)
BUSINESS MEETING AND PROGRAM TO FOLLOW

**RESERVATIONS MUST BE MADE BEFORE NOON
on Septmeber 10th**

TO Kyle Longbrake:

E-mail: Kyle.Longbrake@aecom.com
Phone: 540-857-3328

PRESIDENT'S CORNER

FIRST, I WOULD LIKE TO THANK ALL OF OUR OFFICERS THIS YEAR FOR THEIR COMMITMENT TO THE 2010-2011 ASHRAE YEAR. OUR OFFICERS HAVE ALREADY DEDICATED THEIR TIME TO CRC (CHAPTER'S REGIONAL CONFERENCE) IN DELWARE AND ARE READY FOR A SUCCESSFUL YEAR.

AS MOST OF YOU ALREADY MAY KNOW, ASHRAE IS FOCUSING AGAIN THIS YEAR ON SUSTAINABILITY, THE FIFTH STRAIGHT YEAR. OUR 2010-2011 ASHRAE SOCIETY PRESIDENT, LYNN G. BELLENGER, P.E., FELLOW ASHRAE, HAS TITLED HER THEME "MODELING A SUSTAINABLE WORLD." YOU WILL NOTICE THAT YOUR LOCAL ROANOKE CHAPTER WILL BE FOCUSING ON THE SAME AREAS WITH OUR PRESENTATIONS THIS YEAR; BIM, STANDARD 189.1, ENERGY MODELING, TO NOTE A FEW. WE ARE AGAIN PARTNERING WITH OTHER INDUSTRY PROFESSIONALS WITH OUR MEETINGS THIS YEAR, INCLUDING AIA, USGBC, AND REACHING OUT TO THE ASME CHAPTER AT VIRGINIA TECH FOR A TOUR ON CAMPUS.

THERE WILL BE A FEW CHANGES THIS YEAR, PLEASE NOTE OUR NEW LOCATIONS FOR MEETINGS. THE HOTEL ROANOKE SERVED US VERY WELL THE PAST COUPLE OF YEARS, BUT WITH INCREASING PRICES THE BOARD FELT THE NEED TO KEEP COSTS DOWN. OUR 3 DINNER MEETINGS WILL BE HELD AT BLUE 5 IN DOWNTOWN ROANOKE AND LUNCH MEETINGS AT PLANTATION CREATIONS. ALSO, WE ARE IN THE PROCESS OF COMPLETING AN ASHRAE DIRECTORY AND NEED SPONSORS! IF INTERESTED PLEASE CONTACT MYSELF OR ONE OF OUR BOARD MEMBERS FOR INCLUSION.

PLEASE DON'T HESITATE TO PROVIDE FEEDBACK WITH OUR CHANGES, AS THIS IS YOUR CHAPTER!

-PATRICK MURDOCK

MARK YOUR CALENDERS:



**October Meeting --- October 12th Evening
Tour with ASME at Virginia Tech**

**November Meeting --- November 9th for Lunch
Topic: Acoustical Performance**

BOARD OF GOVERNORS MEETING @ PLANTATION CREATION
SEPTEMBER 14, 11:00AM

ASHRAE Directory 2010-2011

½ page Ad - \$125.00

Full Page Ad - \$250.00

*******Directory size will be 5.5" wide x 8.5" high**

Deadline to submit ad, September 10th

SPOTLIGHT ON ... THIS MONTH'S SPEAKER

Charlie Waddell, is the President and CEO of global plasma solutions, a savannah, GA based air purification company Founded in 2008 that specializes in education and healthcare air quality and energy saving solutions. Charlie is also the General Manager of Desiccant rotors international, inc., the largest manufacturer of 3A AHRI certified rotors, worldwide. Charlie's experience includes designing mechanical, electrical, refrigeration and control systems in the commercial and industrial HVAC markets. Prior to starting Global Plasma Solutions and joining Desiccant rotors international, Charlie was the executive vice president of bioclimatic air systems a regional sales manager for Des Champs technologies (now Munters) and an electrical engineer for Siemens medical. Charlie holds a BSEE and BSEM from Old Dominion University.

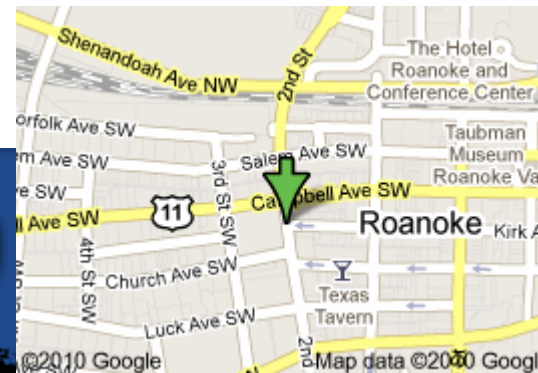
Charlie will provide an overview on "How to Reduce Outside Air Using ASHRAE 62.1-2010 IAQ Procedure". Air purification technologies that address gas phase control which would allow the reduction of outside air will also be reviewed. Included in the email with the newsletter is the Article from the November 2006 ASHRAE Journal on 62.1 Ventilation Rate Procedure.

NEW MEETING LOCATIONS

New for this year the Roanoke Chapter ASHRAE will be meeting at Plantation Creations for our lunch meetings and at Blue 5 in downtown for our dinner meetings.
Plantation Creations: 7342 Plantation Road Roanoke VA 24019



Blue 5: 312 2nd Street Roanoke VA 24011



ASHRAE NEWS!

ASHRAE Encourages States to Meet Current Building Energy Codes

ATLANTA – AS THE DEVELOPER OF THE NATION’S FIRST STANDARD FOR ENERGY EFFICIENCY IN BUILDINGS, ASHRAE APPLAUDS A RECENT ANNOUNCEMENT BY THE U.S. DEPARTMENT OF ENERGY REGARDING FUNDING TO STATES TO IMPLEMENT THE MOST CURRENT ENERGY CODES.

THIS WEEK, THE U.S. DEPARTMENT OF ENERGY (DOE) ANNOUNCED IT IS SEEKING PROPOSALS TO SUPPORT ACTIVITIES RELATED TO THE ADOPTION AND IMPLEMENTATION OF THE MOST CURRENT BUILDING ENERGY CODES. PROPOSALS MUST ADDRESS ACTIVITIES TO ADOPT THE TARGET CODES, WHICH INCLUDES ANSI/ASHRAE/IESNA STANDARD 90.1-2007, ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS, TRAINING ACTIVITIES OR ACTIVITIES THAT ADVANCE THE STATE’S LEVEL OF COMPLIANCE WITH STATE BUILDING CODES. STATES ARE ALLOWED TO PARTNER WITH TECHNICAL AND OTHER ORGANIZATIONS, SUCH AS ASHRAE, AND CONSULTANTS IN THEIR PROPOSALS.

AS OF JUNE 2010, THE BUILDING CODES OF 14 STATES AND FOUR TERRITORIES DO NOT MEET THE REQUIREMENTS IN 90.1-2007.

A TOTAL OF \$5 MILLION IS AVAILABLE TO BE AWARDED FOR UP TO 20 STATES (ONLY ONE AWARD PER STATE). AWARD SIZES WILL VARY WITH A MAXIMUM OF \$250,000 AVAILABLE FOR EACH AWARD.

“ASHRAE IS COMMITTED TO CONTINUALLY IMPROVING BUILDING ENERGY PERFORMANCE, SO WE ARE PLEASED WITH THIS CALL FROM THE DEPARTMENT OF ENERGY ENCOURAGING STATES TO MEET THE TARGET CODES, WHICH INCLUDES THE ASHRAE/IES STANDARD 90.1-2007,” ASHRAE PRESIDENT LYNN G. BELLENGER SAID. “TO ENCOURAGE ENERGY CONSERVATION IN BUILDINGS, WE MUST ALWAYS STRIVE TOWARD HIGHER EFFICIENCIES. LATER THIS YEAR, ASHRAE AND IES WILL RELEASE THE 2010 VERSION OF STANDARD 90.1. THE REVISED VERSION IMPLEMENTS A SIGNIFICANT REDUCTION IN ENERGY CONSUMPTION OVER THE 2004 STANDARD.”

STATES ARE ENCOURAGED TO EXPRESS INITIAL INTEREST BY AUG. 17 BY CONTACTING BRYAN COLLEY AT THE PACIFIC NORTHWEST NATIONAL LABORATORY: BRYAN.COLLEY@PNL.GOV OR 509-375-2585.

THE CALL TO MEET CURRENT BUILDING CODES COMES AS ASHRAE AND IES CELEBRATE THE 35TH ANNIVERSARY OF PUBLICATION OF STANDARD 90.1. SINCE BEING DEVELOPED IN RESPONSE TO THE ENERGY CRISIS IN THE 1970S, STANDARD 90.1 HAS BECOME THE BASIS FOR BUILDING CODES, AND THE STANDARD FOR BUILDING DESIGN AND CONSTRUCTION THROUGHOUT THE UNITED STATES.

ELECTRONIC NEWSLETTER

Any member with material to submit for inclusion in the monthly newsletter may send the information to:

Kyle Longbrake
10 South Jefferson Street Suite 1600
Roanoke, VA 24011

E-mail: Kyle.Longbrake@aecom.com
Phone: 540.857.3100
Fax: 540.857.3180

This is your newsletter. We welcome your contributions and commentary.

Material can include letters to the editor, member news, upcoming events, comments on chapter programs or issues, etc.

ROANOKE CHAPTER ASHRAE

2008– 2009 OFFICERS AND GOVERNORS

| | | <u>Phone:</u> | <u>Email:</u> |
|-------------|---------------------|----------------------|--|
| President | Patrick Murdock | 540-563-2828 | pmurdock@trane.com |
| Pres.-Elect | Kyle Longbrake | 540-857-3100 | Kyle.Longbrake@aecom.com |
| Vice Pres. | Rick Hughes | 540-772-2065 | rhughes@lpa-inc.com |
| Treasurer | Rick Hughes | 540-772-2065 | rhughes@lpa-inc.com |
| Secretary | Felix Antwi | 540-857-3100 | Felix.Antwi@aecom.com |
| Governor | Dan Lieber | 540-857-3100 | Daniel.Lieber@aecom.com |
| Governor | Roger Jones | 540-890-7114 | rjones5632@aol.com |
| Governor | Patrick Castelvechi | 540-857-3100 | Patrick.Castelvechi@aecom.com |
| Governor | Tom Brannen | 540-362-0021 | TEBrannen@cox.net |

2008 – 2009 COMMITTEE CHAIRS

| | | <u>Phone:</u> | <u>Email:</u> |
|---------------------|-----------------|----------------------|--|
| Shenandoah Section | Jeff Clinton | 540-248-9207 | jeffery.clinton@mcquay.com |
| Membership | Alec Groh | 540-857-3100 | Alec.Groh@aecom.com |
| Student Activities | Sean Mallahan | 540-265-4444 | smallahan@hurdandobenchain.com |
| Technology Transfer | Kyle Longbrake | 540-857-3100 | Kyle.Longbrake@aecom.com |
| Historian | Shannon Sweeney | 540-772-2065 | SSweeney@lpa-inc.com |
| Research Promotion | Jeff Consroe | 540-797-7899 | jeff@shellywilliamsco.com |
| Newsletter | Kyle Longbrake | 540-857-3100 | Kyle.Longbrake@aecom.com |
| Home page | James Sledd | 540-857-3100 | James.Sledd@aecom.com |

ATTENTION MEMBERS:

INTERESTED IN SAVING MONEY?

STAR CARDS ARE AVAILABLE FOR PURCHASE. PAY NOW AND **SAVE** LATER!

\$50.00 STAR CARD – ADMISSION TO ANY THREE MEETINGS

\$100.00 STAR CARD – ADMISSION TO ANY SIX MEETINGS

WANT TO SAVE EVEN MORE MONEY?

IN SUPPORT OF THE SOCIETY GAME (GREENING ASHRAE MEETINGS AND EXPOSITIONS) PLAN, THE ROANOKE CHAPTER WILL OFFER DISCOUNTS ON MEMBERS WHO CARPOOL OR USE ALTERNATIVE TRANSPORTATION TO ATTEND MEETINGS.

\$2.00 DISCOUNT FOR DRIVING A CARPOOL.

\$1.00 DISCOUNT FOR ANY OF THE FOLLOWING:

- RIDING IN A CARPOOL
- WALKING
- BIKING
- RIDE PUBLIC TRANSPORTATION
- DRIVE HYBRID VEHICLES
- DRIVE ALTERNATIVE FUELED VEHICLES

BE SURE TO LET **RIK HUGHES** KNOW IF YOU QUALIFY FOR THE MEETING DISCOUNT WHEN YOU PAY FOR THE MEETING.