



ASHRAE ACTION

ROANOKE CHAPTER NEWSLETTER

(WWW.ASHRAEROANOKE.ORG)

MAY 2011

APRIL MEETING

PLEASE JOIN US FOR A BREWERY TOUR!

**Tuesday, May 10th at
STAR HILL BREWERY**
5391 THREE NOTCHED ROAD
CROZET, VA 22932

AGENDA:

Tour Begins at 5:30
Tour will be followed by tasting room
with sandwiches
Cost: \$15

**RESERVATIONS MUST BE MADE BEFORE NOON
on May 6th**

To Kyle Longbrake:
E-mail: Kyle.Longbrake
Phone: 540-857-3328

PRESIDENT ELECT'S CORNER

IT HAS BEEN A GOOD YEAR. WE HAVE AVERAGED A HIGHER ATTENDANCE AT ALL OF OUR MEETINGS THIS YEAR AND LAST MONTH WE HAD ONE OF OUR LARGEST TURNOUTS WITH OVER 90 PEOPLE FOR OUR STUDENT NIGHT. ASHRAE DISTINGUISHED LECTURER DRURY CRAWLEY GAVE AN EXCELLENT PRESENTATION ON STANDARD 189.1 AND THANKFULLY IT WAS NOT SNOWED OUT THIS TIME.

I WOULD LIKE TO THANK PATRICK MURDOCK FOR ALL OF THE HARD WORK THAT HE HAS DONE THIS YEAR AS OUR PRESIDENT. I AM LOOKING FORWARD TO SERVING NEXT YEAR AS THE ROANOKE CHAPTER PRESIDENT. HOPEFULLY I CAN PERFORM AS WELL AS PATRICK.

WE WILL CONCLUDE OUR ASHRAE YEAR WITH OUR LAST TWO EVENTS THIS MONTH, A TOUR OF THE STAR HILL BREWERY AND OUR 13TH ANNUAL GOLF TOURNAMENT. I HOPE THAT EVERYONE CAN MAKE IT OUT TO THESE EVENTS.

-KYLE LONGBRAKE

MARK YOUR CALENDERS:



**Golf Tournament – May 13th at Ashley
Plantation**

BOARD OF GOVERNORS MEETING
MAY 5TH 5:00PM @ TRANE

**13TH ANNUAL LEW EVANS
SCHOLARSHIP GOLF
TOURNAMENT AND BAR-B-QUE
Friday May 13TH 2011**

**Sign Up by contacting Kyle
Longbrake**

E: Kyle.Longbrake@aecom.com

P: 540-857-3328



ASHRAE TOUR ROANOKE CHAPTER

(WWW.ASHRAEROANOKE.ORG)

MAY 2011

STAR HILL BREWERY TOUR



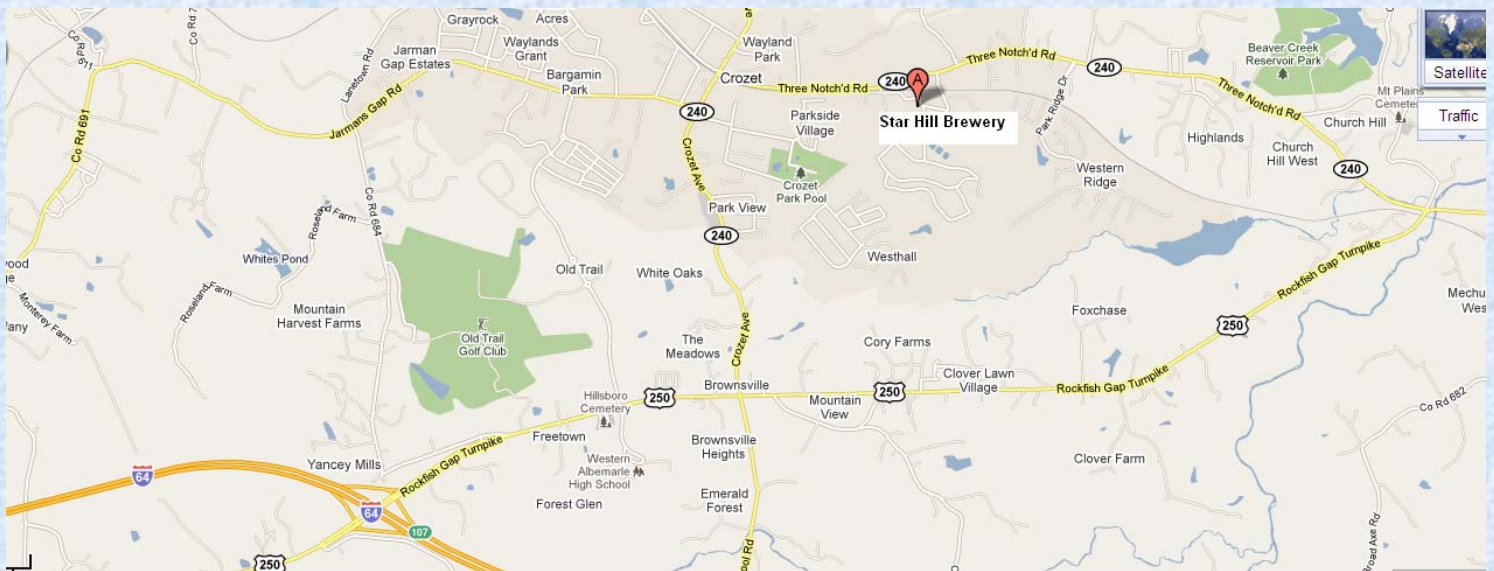
TUESDAY MAY 10TH 5:30 – 7:00

TOUR OF BREWERY
FOLLOWED BY
TASTING ROOM
COST: \$15

STAR HILL BREWERY

5391 THREE NOTCHED ROAD
CROZET, VA 22932

[HTTP://WWW.STARRHILL.COM/](http://WWW.STARRHILL.COM/)



PLEASE SIGN UP BY FRIDAY MAY 6TH BY CONTACTING-
KYLE LONGBRAKE-P: 540-857-3328 E: Kyle.Longbrake@aecom.com

FOR MORE INFORMATION ABOUT THE ROANOKE ASHRAE CHAPTER CONTACT:

KYLE LONGBRAKE – KYLE.LONGBRAKE@AECOM.COM

PATRICK MURDOCK – PMURDOCK@TRANE.COM

ASHRAE NEWS!

ASHRAE Seeks Public Comment on Standard for Existing Buildings

ATLANTA – To ensure a sustainable future, the greatest opportunity lies in modifying existing buildings. Only 2 percent of construction projects are for new buildings, while 86 percent of construction dollars go into renovation of our existing building stock.

ASHRAE and the Illuminating Engineering Society (IES) are revising ANSI/ASHRAE/IESNA Standard 100-2006, Energy Conservation in Existing Buildings, to provide greater guidance and a more comprehensive approach to the retrofit of existing buildings for increased energy efficiency. The standard was first published in 1981, and the need for its requirements has grown as more attention is paid to improving energy in our current building stock.

The standard is open for an advisory public review until May 25, 2011. Visit www.ashrae.org/publicreviews for more information.

ASHRAE's advisory public review process is designed to seek suggestions for new, unusual or potentially controversial elements of a proposed standard that the committee feels would benefit from increased public scrutiny. Unlike ASHRAE's formal call for public comments process, comments received under advisory public reviews are supportive and do not need to be resolved.

Of the 94.6 quadrillion btu of energy consumed in the United States in 2009, 42 percent was used by commercial and residential buildings. Over the next 24 years, national electric consumption is expected to grow by over 22 percent and natural gas consumption by 16 percent. In the same period, the amount of commercial and residential floor space in the marketplace is expected to increase by 37 percent and 17 percent respectively.

"In order to offset the growing amount of floor space and subsequent increased energy demands, existing buildings must improve their efficiency, even if every new square foot were built and operated at net zero energy," Rick Hermans, chair of the Standard 100 committee, said. "ASHRAE and IES are working to make Standard 100 the best source of practical, accurate and cost effective design guidance for existing buildings."

"Achieving improvements in energy efficiency in existing buildings provides significant rewards in operating savings, conservation of resources and improvements in the environment," Rita Harrold, IES director of technology, said. "The standard addresses the necessary guidance for a variety of users to develop action plans for their specific needs. Making the standard available for an advisory public review is an important opportunity for contributory comments that will add value to the final document."

The revised standard provides comprehensive and detailed descriptions of the processes and procedures for the energy efficiency improvements of existing residential and commercial buildings in order to achieve greater energy efficiency.

"Cities like New York, which are constrained in their development due to infrastructure limitations, can use this tool to renovate their existing building stock, freeing up energy for new developments," ASHRAE Presidential Member Gordon Holness, whose presidential theme focused on energy in existing buildings, said. "Since the standard sets specific energy targets based on building type and climate zone, it can also be used by state and federal agencies and by utility companies as a means of validating building efficiency improvements as a result of tax rebate and incentive programs. Given that 75 to 80 percent of all buildings that will exist in the year 2030, exist today, this rewritten standard gives us a vital resource to fulfill our sustainability goals. President Obama recently announced a series of tax and regulatory changes with a collective goal for a 20 percent reduction in energy use in commercial buildings by the year 2020. That can only be achieved by addressing our existing building stock."

The standard addresses major and minor modifications for both residential and commercial buildings, single and multiple activity buildings with variable occupancy periods and identifies an energy target for 53 building types in 16 climate zones/sub-zones.

The revised standard also identifies energy efficiency requirements for buildings without energy targets – mostly industrial, agricultural, data centers and special laboratories – and provides multiple levels of compliance.

Recognizing that the type of occupancy, operation and the use of a building plays a key role in its performance, the standard establishes the requirement for developing an energy management plan and an operation and maintenance plan, according to Hermans.

Included within the revised standards is criteria for energy use surveys, auditing, implementation and verification. Appendices are included for life cycle cost analysis procedures as well as identification of potential energy efficiency measures.

"Through this advisory public review, we are seeking broad and general comments on the text of the standard, the concepts of requirements and opinions about the value of the standard," Hermans said. "Throughout the text there are questions seeking your advice as reviewers of this draft document. Please look at these questions and add your thoughts, answers and comments in the ASHRAE comments database as described in the instructions."

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.

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.

ROANOKE CHAPTER ASHRAE

2008– 2009 OFFICERS AND GOVERNORS

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Governor	Tom Brannen	540-362-0021	TEBrannen@cox.net

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