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<i>Vice President and Secretary</i> Ethan Grover
<i>Treasurer</i> Jay Grow
<i>Membership</i> Mike Malone
<i>Research Promotion</i> Matt Koupal
<i>Technology Transfer</i> Mike Austin
<i>Student Activities</i> Jeremy Clocksin
<i>Grassroots Government Activities</i> Mike Mueller
<i>Historian</i> John Huntley
<i>Webmaster</i> Michael Heinrich
<i>Newsletter Editor</i> Sean O'Connor

## Program: Webcast\*\*

“Making Net Zero net Positive: Solving the Efficiency & Cost Paradox”  
*Presented by:* ASHRAE

Thursday, April 21st, 2016  
11-2 pm MDT

Host site: O'Connor Company with lunch provided

Please RSVP Mike Austin @ [mike.austin@oconnorco.com](mailto:mike.austin@oconnorco.com) by 4/19

\*\*See attached flyer for details

## President's Message

As some of you know, April marks the start of the last quarter of the ASHRAE year which is when we reflect back and tabulate all of the good that we have done during the ASHRAE year; this tabulation is commonly referred to as the Presidential Award of Excellence (PAOE). After looking through the PAOE tally for the year, we have done very well in some areas while there is room for substantial improvement in others. As June 30th is fast approaching (which marks the end of the ASHRAE fiscal year), I encourage everyone to help our chapter improve in areas such as student activities and membership promotion. In the coming months I challenge everyone to reach out to potential members, invite them to our next couple of meetings, and ask that they consider becoming a member of ASHRAE.

With regard to our next couple of programs, there are a lot of things going on that I would like to bring to everyone's attention. Our April program will be the ASHRAE Webinar on April 21, 2016 from 11AM to 2PM MDT at the O'Connor Company; the webcast will offer 3 PDHs or 3 credits approved by both the American Institute of Architects (AIA) and GBCI. Our May program will be a social event that includes two distinguished lecturer (DL) programs (1 PDH available for each) held May 26, 2016 from 4PM to 7PM MDT at The Retired Enlisted Association (TREA) meeting room. Registration for the event is \$25/person and includes a prime rib meal; additional drinks will be available for purchase at the bar. Spouses and guests are welcome to attend! Please RSVP no later than May 12, 2016 to [president@blackhillsashrae.org](mailto:president@blackhillsashrae.org)

On a final note, the Black Hills Area Chapter of ASHRAE is now selling raffle tickets (1 for \$5 and 5 for \$20) for a chance to win a 39" Vizio E-Series TV; the drawing will occur at our May 26, 2016 Distinguished Lecturer Program/Social Event where all proceeds go toward ASHRAE Research Promotion. Please fill-out each Raffle Ticket Entry (see attached sheet) and bring the ticket(s) and payment to our next regular meeting. Winner need not be present to win!

David Dowling, President, Black Hills Chapter of ASHRAE



## Chapter Programs Schedule

Below is a listing of this year's programs. Please call or e-mail suggestions for programs as indicated below:

September 17, 2015	Light Weight Construction and the Modern Fire Environment	Tim Behlings
October 22, 2015	Pertinent Building Codes for the Mechanical/Electrical Engineer	Jeff Larus
November 19, 2015	Commercial High Quality Water systems	Brian Soderholm
December 17, 2015	BH Business Development Center Tour/Happy Hour	TBD
January 21, 2016	Electro Technology Expo	Drury B. Crawley, Ph.D.
February 18, 2016	Numerical simulation of two-phase turbulent flows	Bamdad Lessani, Ph.D.
March 17, 2016	Western Dakota Tech HVAC lab tour	Ken Chmielewski, Ph D
April 21, 2016	ASHRAE Webcast: Making Net Zero Net Positive	Multiple
May 26, 2016	What's Your EUI?	Douglas F. Zents

Send program suggestions to: Mike Austin  
(P) 605-348-2033  
(F) 605-348-1543  
[programs@blackhillsashrae.org](mailto:programs@blackhillsashrae.org)

## Membership

If anyone knows of someone who might be interested in becoming a member of ASHRAE, contact Mike Malone at:  
[membershippromotion@blackhillsashrae.org](mailto:membershippromotion@blackhillsashrae.org)

**CHAPTER MAY NOT ACT FOR THE SOCIETY**

*American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.*

A N I N T E R N A T I O N A L O R G A N I Z A T I O N

# Realistic Net Zero to be the Focus of Next FREE ASHRAE Webcast



**Marc Brune**

**Philip Macey**

**Paul Torcellini**

ASHRAE's upcoming webcast, titled ***Making Net Zero Net Positive: Solving the Efficiency & Cost Paradox***, will broadcast live on **April 21, 2016, from 1:00 – 4:00 pm EDT**. This **FREE** webcast is brought to you by the Chapter Technology Transfer Committee.

"The presenters will discuss the primary technical and financial challenges in achieving net zero buildings," said Nathan Hart, chair of the CTTC Webcast Ad Hoc Committee. "Viewers will learn the importance of, and why we should strive for, net zero in the built environment. The focus will be on realistic solutions and methods of energy conservation."

### **The webcast presenters are:**

**Marc Brune**, P.E. | Senior Associate and Mechanical Engineer | PAE | Portland, OR

**Philip Macey**, AIA | National Director of Collaborative Delivery | JE Dunn | Denver, CO

**Paul Torcellini**, Ph.D., P.E. | Principal Engineer for Commercial Buildings Research | NREL | Golden, CO

Online registration for the webcast will begin on March 21, 2016. For more information on the webcast program, sponsorship opportunities, continuing education credits, and ASHRAE resources related to net zero, visit [www.ashrae.org/webcast](http://www.ashrae.org/webcast).

If you have questions about the webcast, call (678) 539-1200 or email [ashrae-webcast@ashrae.org](mailto:ashrae-webcast@ashrae.org).



# Making Net Zero Net Positive: Solving the Efficiency & Cost Paradox

April 21, 2016 | 1:00–4:00 p.m. EDT

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviors that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

**Attend this FREE webcast program and you may be awarded three Professional Development Hours (PDHs).**



T. David Underwood, P.Eng.,  
Fellow ASHRAE,  
Life Member, CPMP



Marc Brune, P.E.



Philip Macey, AIA



Paul Torcellini,  
Ph.D., P.E.

Black Hills ASHRAE: Raffle Ticket Entry

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Black Hills Area Chapter of ASHRAE

Vizio 39" E-Series smart TV Raffle

Drawing Date: 5/26/2016

Proceeds: to benefit ASHRAE Research

Donation: 1 for \$5.00 or 5 for \$20.00

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