Program:

Zero Emission Electrical Power at Enhanced Oil Recovery Sites

Thursday, October 17, 2013 Meeting

SDSM&T Surbeck Center
Hisega Room
Rapid City, SD
12:00 PM - 1:00 PM

Kenneth Carpenter
Managing Partner
Heat Mining Company LLC

Heat Mining Company’s proprietary technology known as Carbon Dioxide Plume Geothermal (CPG), stands at the convergence of the practical need to burn fossil fuels to generate the vast majority of the world’s energy needs and the growing concern over the emission of carbon dioxide as the primary driver of global warming. Carbon Capture, Utilization and Storage (CCUS) is currently being employed as a means of reducing CO2 emissions in an attempt to address global warming.

Kenneth founded Heat Mining Company in January of 2011, and has served as a managing partner since that time. Prior to his work with HMC, Kenneth served as Founder, Chairman and CEO of MediVas LLC, a biomedical company in San Diego which developed medical devices and drug delivery technology.

President's Message

Hope this message finds all of you healthy and safe in the aftermath of winter storm “Atlas”. It was great to see all of you that attended our first meeting, I thank all of you for showing support for our chapter and let’s keep the momentum going for our next meeting. Our DRC (Director Regional Chair), Richard Bowman, will be attending our upcoming meeting so I ask that all of you put the date on your calendar and plan on being there to support our chapter. This month’s meeting on Geothermal Technologies will be very informative.

Again, I am reaching out to the chapter for volunteers to get involved with the 2015 CRC planning committee as time is burning up quickly. Please contact myself, Judy Oakley or Mike Mueller if you have any questions or are willing to volunteer and help out.

S.Allen Freeland, PE
Michael Heinrich Receives Chapter Service Award

Past Chapter President, Michael Heinrich has recently received a Chapter Service Award at the 2013 Chapters’ Regional Conference in Boise, Idaho. Michael’s past service included duties as Chair of RP, CTTC, and History committees; Webmaster, Newsletter Editor, meeting presenter, VP/Secretary, President, and CRC committee member. He more than doubled the required point total to achieve this award. The following is the basic criteria for award:” The purpose of this award is to recognize the activities and contributions of members of ASHRAE at the chapter level.” Obviously he is a deserving recipient. He continues to be active and we appreciate his service. Congratulations, Michael!

Chapter Service Award

presented to

Michael S. Heinrich

For dedicated chapter leadership, personal commitment and outstanding service to the Black Hills Chapter. Your unselfish contributions and dedication to your chapter has helped to provide the benefits of ASHRAE to your peers.

August 2013

Director and Regional Chair

CHAPTER MAY NOT ACT FOR THE SOCIETY
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

AN INTERNATIONAL ORGANIZATION
Upcoming Events


Make plans now to attend the High Performance Buildings Conference in San Francisco, California, April 7 - 8, 2014. Obtain more information about the conference by visiting: http://www.hpbmagazine.org/hpb2014
### Chapter Programs Schedule

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 25, 2013</td>
<td>Principles of Evacuation*</td>
<td>Cam Marklowitz</td>
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<tr>
<td>October 17, 2013</td>
<td>Geothermal Technology</td>
<td>Ken Carpenter</td>
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<tr>
<td>November 21, 2013</td>
<td>Sustainable Energy</td>
<td>Dr. Umesh Korde</td>
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<td>December 19, 2013</td>
<td>TBD</td>
<td>TBD</td>
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<tr>
<td>January 16, 2014</td>
<td>14th Annual Electro – Technology Expo</td>
<td>Multiple</td>
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<tr>
<td>February 20, 2014</td>
<td>Refrigeration</td>
<td>Al Cornella</td>
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<tr>
<td>March 20, 2014</td>
<td>Building Codes</td>
<td>Jeff Larus</td>
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<tr>
<td>April 17, 2014</td>
<td>TBD</td>
<td>TBD</td>
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<tr>
<td>May 14, 2014</td>
<td>Coca Cola Bottling Tour</td>
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* Completed Program

Send program suggestions to: Lance Rikala  
(P) 605-334-2164  
(F) 605-334-9642  
programs@blackhillsashrae.org

### Membership

If anyone knows of someone who might be interested in becoming a member of ASHRAE, contact Jeremy Clocksin at 342-2407 or email him at membershippromotion@blackhillsashrae.org or submit an application.