Program:

BHP/WREA Electro Technology Expo
Commercial Geothermal Systems

Thursday, January 16, 2014 Meeting

Best Western Ramkota
Sylvan 1 Room
Rapid City, SD
10:45 AM - 11:45 AM

Brandon Darnell
Energy Dynamics

Energy Dynamics, Inc. specializes in geothermal systems for heating and cooling homes and businesses. They work directly with contractors from the beginning design phases right through to completion. Their mission is to provide you with the best products and service in the alternative energy industry, to work as hard as you do every day, and, in the end, to provide you with a pleasant and profitable experience unlike anywhere else.

Brandon Darnell is the President/CEO of Energy Dynamics. He literally grew up in the mechanical contracting business. He obtained an Associate Degree in HVAC, graduating at the very top of his class in 1997. Prior to and since graduation, he has been with Energy Dynamics. He is recognized in the industry as one of the best “troubleshooters” and “hands on” technicians. Brandon is always available for that purpose.

Brandon will discuss the growth of the commercial market driven by agriculture, such as farm shops and implement dealerships. Special considerations that need to be taken into account and the wonderful benefits of having a year round conditioned work space for yourself and employees will also be covered.

President’s Message

HAPPY NEW YEAR to all of our members! I hope that this message finds you all in good health and great spirits as we make our way through the holidays. A new year is upon us and allows us to set new goals for a prosperous year to come. I am asking for some help from our members to assist us in continuing to sponsor students for our chapter at SDSM&T. If you could send Judy Oakley $20/student that you would like to sponsor, that would be most appreciated. We are still down approximately $70 from our contributions last year, so if you can help us continue our precedence of sponsoring students to keep the young people involved, your small investment will pay great dividends over time. Also, we need to get going on the planning stages for the 2015 CRC that the Black Hills Chapter is going to host; we have a LONG way to go and a SHORT time to get there. At our chapter meeting this month I am going to hand out a rough outline of committees and tasks that must be worked on as to not make it a crunch at the last minute. Again, many hands make for light work. I am excited for the New Year and all the activities that we have planned for our members. Hope to see you at our regularly scheduled meeting. Talk to you soon.

S. Allen Freeland, President, Black Hills Chapter of ASHRAE
Looking for a way to stay plugged in with the changing energy landscape?

Then come to the 14th annual Electro Technology Expo on Thursday, Jan. 16. The 2014 Expo will have exhibits featuring cutting-edge technology. Plus, leading energy industry and technology experts give presentations throughout the day in four sessions running concurrently. Presentation topics include:

- LED Street and Area Lighting
- Commercial Geothermal Systems
- Sustainability Practices
- Residential Geothermal Systems
- Renewable Energy Systems
- Hydronic Heating Systems
- Home Weatherization
- Residential and Commercial
- LED Lighting Technology
- Home Automation
- Insulation Systems
- Motors and Drives


CONTINUING EDUCATION HOURS AVAILABLE!
Code hour and CEU credits are available for electricians, HVAC specialists, engineers and realtors.

EXPO SCHEDULE
7:30 a.m. Doors open for registration and check-in
8:00 a.m. Vendor exhibits open
8:15–11:45 a.m. Tract Sessions in progress
11:45–1:15 p.m. Lunch and keynote speaker
1:15–5:00 p.m. Tract Sessions in progress
7:00–9:00 p.m. Evening Session of Electrical Code Classes through the South Dakota Electrical Council

For more information about the 2012 Electro-Technology Expo, contact Coral Messana at coral.messana@blackhillscorp.com or 605-721-2687.
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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

Upcoming Events

Obtain more information about the conference by visiting: http://www.ashrae.org/newyork

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

Make plans now to attend the 2014 ASHRAE/IBPSA-USA Building Simulation Conf. in Atlanta, GA, Sept. 10 – 12, 2014.
Obtain more information about the conference by visiting: http://ashraem.confex.com/ashraem/emc14/cfp.cgi
### 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>Program</th>
<th>Speaker</th>
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<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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<td>November 21, 2013</td>
<td>Action Mechanical Sheet Metal Shop Tour*</td>
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<tr>
<td>December 19, 2013</td>
<td>Building Codes*</td>
<td>Jeff Larus</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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<td>February 20, 2014</td>
<td>Refrigeration</td>
<td>Al Cornella</td>
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<td>March 20, 2014</td>
<td>Black Hills Power Combustion Turbine Tour</td>
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<td>April 17, 2014</td>
<td>TBD</td>
<td>TBD</td>
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<tr>
<td>May 14, 2014</td>
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<td>TBD</td>
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* Completed Program

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

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### 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.

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