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## **Program: Rapid City Common Energy Plant Tour**

**Thursday, February 20, 2014 Meeting**

City/School Common Energy Plant  
434 N Mount Rushmore Road  
Rapid City, SD  
12:15 PM - 1:15 PM

For this month's meeting, lunch will be on your own.

The Common Energy Plant serves heating and cooling to the Rushmore Plaza Civic Center, owned by the City of Rapid City, and Rapid City Central High School, owned by Rapid City Area Schools. Retrofit of the chiller and boiler equipment was necessitated by not only the age (most equipment had been in service for over 35 years), but also by capacity issues caused by multiple expansions to both the Civic Center and Central High School.

The newly-outfitted Common Energy Plant has the capacity to heat and cool nearly 1,000,000 square feet between the two buildings. The new chiller and boiler systems, along with the distribution and controls upgrades, yield dramatic reductions of operating costs. Full redundancy of a majority of the systems, especially those necessary for heating, along with emergency on-site electric generation, allow continued function of the facilities served even under abnormal or emergency conditions.

## **President's Message**

Once again, I hope that this message finds you all in good health and spirits. It has been an extremely cold winter, but Spring will soon be here and we will all feel better about that when it finally arrives. I want to thank all of the members that have participated in our meetings so far this year and challenge you to keep up the good work. We have had a last minute speaker cancellation for this month's meeting but have come with a tour of the Central Energy Plant that serves the Civic Center as well as Central High School. I encourage everyone to attend as it will be an interesting tour.

The Region IV 2015 CRC is coming fast and we have a TON of work to do. Please help by volunteering for a subcommittee to help keep things moving forward.

S. Allen Freeland, President, Black Hills Chapter of ASHRAE

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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

# ASHRAE Conferences 2013-2014

Attend to See What's New, Learn New Skills, Earn PDHs, Network with Peers

## ASHRAE IAQ 2013: Environmental Health in Low Energy Buildings

Oct. 15-18, 2013 | Vancouver, BC, Canada

[www.ashrae.org/IAQ2013](http://www.ashrae.org/IAQ2013)

*Comprehensive overview presented via papers.*

Co-organizer: 

## ASHRAE 2014 Winter Conference

Jan. 18-22, 2014 | New York, NY

Jan. 21-23, 2014 | AHR Expo

[www.ashrae.org/newyork](http://www.ashrae.org/newyork)

Bookstore Sponsor: 

## First International Conference on Energy and Indoor Environment for Hot Climates

Feb. 24-26, 2014 | Doha, Qatar

[www.ashrae.org/hotclimates](http://www.ashrae.org/hotclimates)

*Papers focused on arid and humid hot climates.*

Organized by:  Qatar Environment & Energy Research Institute



*Member of Qatar Foundation*

 Qatar Oryx Chapter

Co-sponsor: 

Gold sponsor: 

Endorsed by:    

## High Performance Buildings Conference

April 7-8, 2014 | San Francisco, Calif.

[www.hpbmagazine.org/hpb2014](http://www.hpbmagazine.org/hpb2014)

*State-of-the-industry presentations*



## Efficient, High Performance Buildings for Developing Economies

April 24-25, 2014 | Manila, Philippines

[www.ashrae.org/Developing2014](http://www.ashrae.org/Developing2014)

*First ASHRAE conference on this topic.*

Organized by:  

Co-sponsor: 

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## ASHRAE 2014 Annual Conference

June 28-July 2, 2014 | Seattle, Wash.

[www.ashrae.org/seattle](http://www.ashrae.org/seattle)

*2nd Annual Research Summit presented.*

## 2014 ASHRAE/IBPSA-USA Building Simulation Conference

Sept. 10-12, 2014 | Atlanta, Ga.

[www.ashrae.org/Simulation2014](http://www.ashrae.org/Simulation2014)

*Single collaboration of Energy Modeling and SimBuild Conferences.*

Organized by:  

Get Updated on Current Trends and Make Industry Connections at an ASHRAE Conference!

[www.ashrae.org/conferences](http://www.ashrae.org/conferences)



## 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>

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>

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## Don't Forget...

Volunteers are still needed for the 2015 CRC Planning Committee. Please contact Allen Freeland, Judy Oakley, or Mike Mueller if you are willing to help out.

## Chapter Programs Schedule

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

September 25, 2013	Principles of Evacuation*	Cam Marklowitz
October 17, 2013	Geothermal Technology*	Ken Carpenter
November 21, 2013	Action Mechanical Sheet Metal Shop Tour*	
December 19, 2013	Building Codes*	Jeff Larus
January 16, 2014	14th Annual Electro – Technology Expo*	Multiple
February 20, 2014	City/School Common Energy Plant Tour	
March 20, 2014	Black Hills Power Combustion Turbine Tour	
April 17, 2014	TBD	TBD
May 14, 2014	TBD	TBD

\* Completed Program

Send program suggestions to: Lance Rikala  
(P) 605-334-2164  
(F) 605-334-9642  
[programs@blackhillsashrae.org](mailto: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](mailto:membershippromotion@blackhillsashrae.org) or submit an application.

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