



Name this Newsletter

Johnstown Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers

OCTOBER

2006

Volume I, Issue I

Welcome Back Members!

Tuesday, Oct. 10, 2006

A Case Study on Retrocommissioning



Presentation outlines the commissioning process for new and existing buildings and the steps of the Cx process. The process will then compare the differences between RetroCx, Re-Cx and Continuous Cx.

Pete Spinelli and Andrew Kindya will discuss a case study of a retrocommissioning project and focus on a practical approach to developing and accomplishing a Commissioning Project Plan with readily available information and software applications.

Anthony's
725 Scalp Avenue
Johnstown, PA 15904
814-266-9582

5:00-6:00: Social Hour
6:00-6:45: Dinner
6:45-7:00: ASHRAE Business Meeting
7:00-8:00: Main Program

RSVP:
by Noon, Friday, Oct. 6, 2006
to Chris Albright
chrisgalbright@yahoo.com
\$20 per person

Directions: Available upon Request

Peter Spinelli is a LEED Accredited Professional Engineer employed by Concurrent Technologies Corporation (CTC) as a Senior Mechanical Engineer - Facilities Services Department and has over 20 years of experience in design and project management of mechanical systems. Pete has registered CTC's Systems Technology Facility (STF) as a new project for certifying under the LEED-EB program. He is the Commissioning Agent for the CTC 120,000-square-foot facility, Past President of the Johnstown Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), and is currently leading the formation of the GBA Laurel Highlands Network.

Mr. Andrew Kindya is a LEED Accredited Professional Engineer and a BCA Certified Commissioning Professional. He is employed at H.F. Lenz Company, serves as a Commissioning Authority for many of the company's Commissioning Projects. He has performed both Fundamental Commissioning for LEED™ projects and the "Additional Commissioning" required under LEED™ EAc3. He is strongly active with the Building Commissioning Association including acting as the Chair on the Standards Committee as well as attending the National Building Commissioning Conference.

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"Presidents Message"

It's time for the Johnstown Chapter of ASHRAE to kick off another year of meetings and activities. First though I would like to congratulate all officers and chair persons for a successful 2005-2006 year. At the Chapter Regional Conference (CRC) in Pittsburgh the Johnstown Chapter received the following awards:

- Highest PAOE points for Student Activities and Chapter Technology Transfer among Level I chapters
- Presidential Award for Excellence
- Full Circle (All officers and Research Promotion Chair donate \$100 towards ASHRAE research).
- Research Promotion Goal Buster

I would like to especially congratulate our Student Activity Chair, Greg Gallardy for winning the "Lamp of Knowledge". This award goes to one student activity chair in Region III for his/her outstanding work. ASHRAE has recently placed an increased emphasis on reaching out to students to strengthen our industry.



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“Presidenst Message Continued”

In working closely with our student chapters from UPJ and Triangle Tech, along with K through 12 students, Greg has carried this emphasis to our local chapter. Great job Greg!

As you can see, our chapter does much more than just meet monthly to provide programs for our members. If you would like to become involved, please contact myself or any of the chapter officers (see end of newsletter for contact info). Even if you have very limited time to spare, we could use your help by serving on one of our committees. This month I would like to welcome our guest speakers, Pete Spinelli and A.J. Kindya who will be speaking on commissioning. The meeting will be a joint meeting with the newly formed Laurel Highlands Network of the Green Building Alliance (GBALHN). With the increasing complexity of building systems and a push from LEED, commissioning is becoming more prevalent in our industry. I hope you can make it to our meeting to learn more about it.

See you at the meetings!
John Weiland

Green Tips

- Change your Incandescent lamps to Fluorescent
- Adjust your T-stat to help conserve Energy
- Turn-Off all unused appliance to help reduce plug load
- Stay Informed, attend ASHRAE Meetings!

2006-2007 ASHRAE Program Calendar

No.	Meeting Date	Theme / Events	Topic	Speaker	Joint Meeting With
1	October 10, 2006	Lamp of Knowledge Recognition Membership Promo.	Retrocommissioning	Pete Spinelli & Andrew Kindya	GBA
2	November 14, 2006	Young Engineer's Association Student Night	TBD (By ASPE)	To Be Determined	ASPE
4	December 9, 2007	Research Promotion	Variable Refrigerant Flow	To Be Determined	N/A
3	January 12, 2006	Donor Recognition Night	Variable Primary CHW Systems	Dr. Bill Bahnfleth	
5	February 13, 2007	Scholarships & Student Night Young Engineer's Association	TBD (By PSPE)	To Be Determined	PSPE
6	March 13, 2007	Membership Promo.	DL - TBD	To Be Determined	
7	April 10, 2007	AIA Joint Meeting	TBD (By AIA)	To Be Determined	
8	May	Johnstown Riverhawks	Bedford Springs???		



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The First Contest of the year!

The Johnstown chapter of ASHRAE is looking for a name for the newsletter. Other chapters have catchy titles, see below. Email/fax/phone or UPS your suggestions to:

Matt Filan mtfilan@hayeslarge.com 814-946-0451 Logan Blvd & fifth Ave	Roanoke Chapter Central Pa Chapter Baltimore Chapter	ASHRAE Action The Pennant Thermogram
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A Message of Thanks

On behalf of ASHRAE, the Johnstown Chapter would like to thank the following members for their continued support of Research Promotion of during the 2005-2006 campaign period:

Tom Sobieski \$1,000	Paul Petrilli \$100
John Weiland \$100	Richard Seyerle \$100
Tom Young \$100	Tim Sample \$100
Barry Rains \$100	

For individuals who wish to donate to ASHRAE Research Promotion or other ASHRAE resources during the 2006-2007 campaign, please contact Barry Rains, Research Promotion Chair 814 269-9300, or visit the Johnstown Chapter website at <<http://www.johnstown.ashraechapters.org>> and click on the Research Promotion link. Once again, thanks to all those who donated last year. This year, we ask that all members show support for the chapter's efforts in raising money for the Society. ASHRAE research is vital to everyone whether they are members or not. Your tax free donations matter regardless of size.

Thank you,
Barry Rains, Research Promotion Chair.

News From Around the Industry

Changes Related to ETS and Ventilation Proposed for ASHRAE 62.1

ATLANTA – Ventilation for smoking areas returns to center stage through a proposed addendum to ASHRAE's Standard 62.1.

Proposed addendum i will be open for public comment until Nov. 6. To read the proposed addendum and comment, visit www.ashrae.org/publicreviews.

ANSI/ASHRAE Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality, specifies minimum ventilation rates and indoor air quality requirements for commercial and institutional buildings.

The proposed addendum removes the existing requirement for an increase to the ventilation rates prescribed in Table 6-1 (and/or an increase in air cleaning) for smoking areas. It also strikes informative language explaining why specific rates for smoking areas cannot be prescribed, adds a reference to Section 5.18 smoking-related separation requirements, and strikes a requirement in Table 6-1, Note 2, to determine smoking-permitted area rates using means other than the table.

"The proposed changes, based in part on recent position statements issued by World Health Organization and the U.S. Surgeon General, reflect the opinion of cognizant authorities that no safe level of environmental tobacco smoke exists," Dennis Stanke, chair of the 62.1 committee, said. "Whether the proposed changes also reflect the opinions of Standard 62.1 stakeholders will be determined during the public review process. The eventual content of the standard depends on the valuable participation of all interested parties."

HVAC Challenge

Given: A supply fan installed in an Air-Handling Unit located at sea level delivers 5,600 cfm at 2 in. w.g. The fan motor currently operates at 2.58 BHP. The owner has added a building addition and the same fan must now deliver 8,200 cfm.

Find: What is the new horsepower required to deliver 8,200 cfm?

What is the new static pressure the fan must overcome?

Answer: In next months Newsletter



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ASHRAE Officers & Chairpersons Contact Info

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Source: www.sdstyle.org/images/articles/



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Did You Know

The built environment has a profound impact on our natural environment, economy, health and productivity.

In the United States, buildings account for:

- 36% of total energy use/65% of electricity consumption
- 30% of greenhouse gas emissions
- 30% of raw materials use
- 30% of waste output/136 million tons annually
- 12% of potable water consumption

Source: USGBC Website