

# THE HOT AIR DIFFUSER

## Chapter Newsletter

MAY 2017



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[randy@norbryhn.com](mailto:randy@norbryhn.com)

## MAY

### CHAPTER MEETING

#### **MAY:**

The May meeting is going to be a presentation on Supermarket Refrigeration Trends. The speaker will be Dustin Lilya. Dustin Lilya is the Energy Services Department Manager at DCE Engineering in Meridian, ID. He primarily works on energy efficiency projects for commercial and industrial processes. Additionally, he manages a team providing design of refrigeration systems for retail clients. Dustin has been heavily involved in the industry shift to natural refrigerants and is a member of the NASRC (North American Sustainable Refrigeration Council). His previous experience and leadership with Supervalu/Albertsons led to their adoption of many new and industry changing technologies within the refrigeration, HVAC and renewable energy sectors. He was instrumental in Supervalu's first EPA GreenChill® Platinum refrigeration design as well as the first all-natural environmentally friendly Ammonia / CO2 refrigerant design.

Please Register online at:

[www.idahoashrae.com](http://www.idahoashrae.com)

#### Where:

Idaho Power Building  
1221 W. Idaho St.

#### When:

Wednesday, May 10, 2017  
11:30 am to 1:00 pm MST

#### **APRIL:**

The annual conference was held at the Riverside Hotel in lieu of the monthly meeting.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

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## PRESIDENT'S MESSAGE

### A Building Operators' View on Plans and Specifications- Suggestions and Advice for Design Engineers.

Design engineers have a tough job. Mechanical building systems are growing evermore intricate. Technological advancements are consistently pushing mechanical equipment to increase in efficiency, functionality and complexity. This article is meant to humbly offer suggestions to design engineers with an understanding that we all must work together for high quality buildings.

Equipment placement can make all the difference to whether the units can be fully serviced or not. In new commercial facilities there is a desire towards aesthetics that can be less than practical for equipment servicing. As we all know; when serviceability is compromised, reduced performance is the outcome. Please take the time to assure that additional code requirements do not become necessary simply to provide for safe and practical equipment access.

Meeting a facilities designed, or modeled energy usage index is becoming more an expectation than a desire. Due to equipment performance degradation over time; the design should take into consideration, and allow for some loss of performance, assuring that the EUI cannot only be met but sustained.

The integration of controls components has a higher success rate when a controls contractor is involved from the schematic design of a project, through its completion. The end result(s) historically take less of everyone's time, provide trackable usage of the equipment installed, protect a variety of warranty concerns including the OEM, and/or provide warranty proof to the OEM of proper equipment operation.

A lack of isolation valves in hydronic applications will certainly lower the installation cost(s) and may get a project completed under budget, but the cost savings stop there. It may be soon after a job is completed, or years after all warranties have expired, but the proof of a system designs quality will be evident the first time a hydronic loop has to be fully drained to replace one component. Estimators may assist the design engineer(s) by identifying the value of isolation valves, or assuring that equipment specified includes all valves required for the equipment to reach its full service life.

Tom Coles IBOA



# HISTORY LESSON

## MAY

### Five Years Ago

The chapter president was Cory Law. The meeting was held on Wednesday, May 9, 2012, at the Idaho Power Company. The program was a presentation of air to air heat exchangers by Mark Johnson, Xetex, Inc.

### Ten Years Ago

The chapter president was Arden Davis. The meeting was replaced by a Technical Session which was held on May 16, 2007, at the Doubletree Riverside.

### Fifteen Years Ago

The chapter president was Greg Hobbs. The meeting was held on Friday, May 10, 2002, and was a tour of the Swan Falls Hydroelectric Plant.

### Twenty Years Ago

The chapter president was Chuck Keene. The meeting was held on May 9, 1997, at the Red Lion Riverside. Judi Steciak gave a presentation on mountain climbing.

### Twenty Five Years Ago

The chapter president was Ken Tewksbury. The meeting was held on Friday, May 8, 1992 at the King's Table Restaurant. Bill Horton, Idaho Fish and Game, gave a presentation on how the drought has affected the fishing in this area and where the hot spots will be for the summer.

### Thirty Years Ago

The chapter president was Adrian Fannin. No meeting was held in May because the chapter officers were in Wichita for the CRC. The Spring Fling was held on May 29<sup>th</sup> at the Eagle Hills Golf club.



# **ASHRAE GOVERNMENT AFFAIRS UPDATE**

## International Affairs

### Climate-Adapt

The European Climate Adaptation Platform (CLIMATE-ADAPT) is a partnership between the European Commission (DG CLIMA, DG Joint Research Centre and other DGs) and the European Environment Agency. CLIMATE-ADAPT aims to support Europe in adapting to climate change. It is an initiative of the European Commission and helps users to access and share data and information on:

- Expected climate change in Europe
- Current and future vulnerability of regions and sectors
- EU, national and transnational adaptation strategies and actions
- Adaptation case studies and potential adaptation options
- Tools that support adaptation planning

CLIMATE-ADAPT organizes information under the following main entry points:

- Adaptation information (Observations and scenarios, Vulnerabilities and risks, Adaptation measures, National adaptation strategies, Research projects)
- EU sector policies (Agriculture and forestry, Biodiversity, Coastal areas, Disaster risk reduction, Financial, Health, Infrastructure, Marine and fisheries, Water management)
- Transnational regions, Countries and Urban areas
- Tools (Adaptation Support Tool, Case Study Search Tool, Map Viewer)

The platform includes a database that contains quality checked information that can be easily searched.

## US Government Affairs

### Federal Government Shut-Down?

The US Federal Government runs out of money today. As of this printing, no final provision has been made to keep the government open. Senate and House leaders believe enough progress has been made this week that a one-week extension will allow the Chambers time to finalize details of a spending plan for the remainder of the Federal Fiscal Year, which ends September 30. A vote is expected today on that extension. Sticking points in reaching a resolution have revolved around funding for the Affordable Care Act and for funds to begin building a wall on the nation's southern border. Additionally, one other area of contention is how Congress addresses the expiring health benefits for thousands of coal miners.

### EPA Maintains Hiring Freeze, Offers Early Buyouts

The US Environmental Protection Agency has begun a process to offer buyouts and early retirements to a portion of its 15,000 person workforce. The early budget proposal from President Trump recommends sharp cuts to EPA, both in dollars and in staff. It is unlikely that Congress will approve such large cuts, though EPA intends to continue its own internal freeze on hiring. The guidance from Acting Deputy Administrator Michael Flynn requests four deliverables by June 30:

1. Draft Agency Reform Plan
2. Draft Agency FY 2018-2022 Strategic Plan
3. Draft Workforce Reduction Plan
4. Plan to Maximize Employee Performance

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## **ASHRAE GOVERNMENT AFFAIRS UPDATE**

### ASHRAE Standard 189.1 for Florida Bid Process

The Florida Administrative Record, published on April 13, 2017, has given notice that the State of Florida, Department of Military Affairs (DMA), Construction & Facility Management Office (CFMO) requests qualifications from the State of Florida registered licensed General/Building Contractors (GC) and Architect/Engineering (A/E) Teams for Design-Build Services for the following project located at Crystal River National Guard Armory FMS #17, Crystal River, Florida. The design and construction of facility renovation must include energy efficiencies meeting ASHRAE Standard 189.1 through improved building envelope and integrated building systems performance. View the full notice.

For additional information, contact the Department of Military Affairs, Construction & Facility Management Office, Contract Management Branch, (904) 827-8544 or e-mail.

### Florida Building Commission Schedules Hearing on Residential Energy Building Code

The Florida Administrative Register, issued on April 24, 2017, has given notice that the Florida Building Commission, Energy Technical Advisory Committee, will hold a public meeting to which all persons are invited. The meeting, to be held on May 10, 2017 at 10:00 a.m. will be conducted using communications media technology, specifically teleconference and webinar. Join the meeting. Join the conference call (toll-free in the United States) at 1-877-568-4106, meeting ID/access code: 650-687-973. The public point of access 2601 Blair Stone Road, Tallahassee, Florida. The general subject matter to be considered is to review and accept a report regarding whether the State's latest draft of the Residential energy building code "6th Edition (2017) Florida Building Code, Energy Conservation" meets or exceeds the provisions of the updated edition of the 2015 International Energy Conservation Code (IECC) regarding building energy efficiency. Call 850-487-1824 or visit the Commission website.

# ASHRAE Idaho Chapter

## GOLF TOURNAMENT

### - 4 PERSON SCRAMBLE TO BENEFIT THE IDAHO CHAPTER

**WHERE:** EAGLE HILLS GOLF COURSE

**WHEN:** 1:00 PM, FRIDAY, JUNE 23rd, 2017 SHOTGUN START

**FOOD:** BARBECUED HAMBURGERS, CHIPS, AND SALAD WILL BE SERVED FOR DINNER FOLLOWING THE TOURNAMENT.

**PRICES:** EARLY BIRD COSTS: \$100 PER PERSON, \$400 PER TEAM  
AFTER June 2nd COSTS: \$110 PER PERSON, \$440 PER TEAM  
- SINGLE PLAYERS WELCOME!  
-\$15.00 FOR ADDITIONAL DINNER GUESTS

**INCLUDES:** 18 HOLES OF GOLF, CART, GOLF BALLS ON THE RANGE, FOOD, DRINKS, DOOR PRIZES, AND A \$10,000 HOLE IN ONE PRIZE

**SPONSORS:** TEE OR GREEN COMPANY LOGO SIGN-\$150  
*\*INCLUDES ONE TEE OR GREEN SPONSOR SIGN WITH COMPANY LOGO*

TEE AND GREEN LOGO SIGNS-\$250  
*\*INCLUDES ONE TEE AND ONE GREEN SPONSOR SIGN WITH COMPANY LOGO*

HOLE-IN-ONE PRIZES-\$500  
*\*INCLUDES FOUR PRIZE SIGNS WITH COMPANY LOGO. INSURANCE FOR PRIZES IS INCLUDED IN THIS COST.*

INTERACTIVE DISPLAY BOOTH-\$400  
*\*INCLUDES TEE OR GREEN SPONSORS SIGN WITH COMPANY LOGO, INTERACTIVE DISPLAY ON SELECTED TEE OR GREEN(FIRST AVAILABLE), AND 2 DINNERS*

TITLE SPONSORSHIP FOR DINNER PLATINUM LEVEL -\$1,000  
*\*INCLUDES 6'x3' BANNER AT CLUBHOUSE, BRANDING ON ALL SCORECARD AND INSTRUCTION SHEETS AND 5 MINUTES FOR ADDRESSING TO THE GROUP AT DINNER*

TITLE SPONSORSHIP FOR DINNER SILVER LEVEL -\$500  
*\*INCLUDES 4'x2' BANNER AT CLUBHOUSE, BRANDING ON ALL SCORECARD AND INSTRUCTION SHEETS*

**DEADLINE FOR REGISTRATION AND SPONSORS  
IS JUNE 16, 2017**

TO REGISTER, PLEASE GO ONLINE TO [www.idahoashrae.com](http://www.idahoashrae.com) AND PROCEED TO THE EVENTS CALENDAR WHERE YOU CAN FIND ALL BILLING INFORMATION. HANDICAPS FOR ALL PLAYERS WILL BE NEEDED TO COMPLETE THE FORM WITH A MAXIMUM OF 30. IF YOU NEED FURTHER ASSISTANCE OR ARE A SINGLE PLAYER WANTING TO BE PLACED ON A TEAM, PLEASE COORDINATE WITH SPENCER SHEPARD- EMAIL: [spencers@ctagroup.com](mailto:spencers@ctagroup.com), PH#: 208 336-4900

# ASHRAE Learning Institute

## 2017 Online Course Series

### 2 WAYS TO REGISTER

Internet: [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

One-part course (3 hours) **\$284 (\$219 ASHRAE Member)** – -- -- Two-part course (6 hours) **\$484 (\$359 ASHRAE Member)**

**NEW! Complying with Standard 90.1-2016: Envelope/Lighting**  
Wednesday, April 5, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: HVAC/Mechanical**  
Tuesday, April 11, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: Appendix G**  
Tuesday, April 18, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Fundamentals**  
Wednesday, May 3, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Applications: Best Practices**  
Tuesday, May 9, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Basic Principles, Loads and Equipment**  
Tuesday, June 13, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Applications, Control Levels and Mold Avoidance**  
Tuesday, June 20, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, July 11, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Variable Refrigerant Flow System: Design & Application**  
Tuesday, July 18, 2017 – 1:00 p.m. to 4:00 p.m.

**Advanced High-Performance Building Design**  
Wednesday, August 9, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Fundamental Requirements of Standard 62.1-2016**  
Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

**Laboratory Design: The Basics and Beyond**  
Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems**  
Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016**  
Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.  
Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Variable Refrigerant Flow System: Design & Application**  
Wednesday, November 29, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

## ASHRAE HVAC Design & Operation Training

3 Courses, 7 Days of Intense Instruction

Atlanta • Chicago • Denver • Hartford • Seattle • Toronto

### **Improving Existing Building Operation** - Registration is \$599 (\$499 ASHRAE Member)

Identify ways to improve existing HVAC system efficiencies and reduce utility expenses while maximizing performance of the building systems. This training details proper system operation and maintenance and introduces methods for evaluating potential system improvements.

### **HVAC Design: Level I – Essentials** - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### **HVAC Design: Level II – Applications** - Registration is \$854 (\$699 ASHRAE Member)

*HVAC Design: Level II – Applications* provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining) to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray ([kmurray@ashrae.org](mailto:kmurray@ashrae.org)) to discuss scheduling ASHRAE HVAC Training in your Chapter area.

# ADVERTISEMENTS

## **Online Advertising!!**

Get your business card posted on

[www.idahoashrae.com](http://www.idahoashrae.com)

\*renewals are due now

Annual Business Card Ad on Website: **\$50**



## **Professional Development Hours**

Professional Development Hours are now available at

ASHRAE monthly meetings!





Thank you for connecting with the Intermountain Building Operator Association, a licensed BOC training provider!

BOC certified building operators stand out from the crowd. To learn more about the BOC curriculum, upcoming course dates, or to register, visit [www.intboa.org/trainings-events/](http://www.intboa.org/trainings-events/)

If you're a building operator or facilities manager, you know firsthand the rapid pace at which this industry is changing. Managing commercial and industrial facilities means maintaining, operating, and repairing HVAC, electrical and plumbing systems, among numerous other responsibilities. With the Building Operator Certification (BOC) credential, you can learn essential skills to improve operations, reduce energy usage, and save your employer an average \$20,000 per year.

The BOC credential takes a "whole building" approach to facilities maintenance with an engaging curriculum that covers all aspects of building operation. Those with the BOC credential typically engage energy efficient operation and maintenances practices 30 percent better than the rest of the market, saving an average 2.5 cents/sf in electricity costs.

Partial and full tuition scholarships are available for those that qualify. To learn more about scholarship opportunities, or if you have any other questions, contact Clarence Wieting at [iboa@intboa.org](mailto:iboa@intboa.org).

For more industry news and training dates, sign up for the bi-annual [BOC newsletter](#).



# Issues registering for monthly meetings?



**Please contact Sean Drake @  
sean@fulchereng.com**

Interested in becoming more involved with your local ASHRAE Chapter? Positions will be opening up soon!

Please contact Casey Huffaker  
@ chuffaker@siglers.com for  
more information.



