

THE HOT AIR DIFFUSER

Chapter Newsletter

April 2018



IDAHO ASHRAE CHAPTER OFFICERS

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MARCH ASHRAE MEETING

April:

Annual Technical Conference

It's that time of year! We are having our Annual Technical Conference on Friday, April 27th. As always we have a lot of exciting topics with an underlying theme of energy this year. When registering please note that the 'gluten free' option is not limited to one meal choice, any of the 4 lunches can be provided as a gluten free option. Also, if you are interested in sponsoring the conference please see the attached sponsorship levels handout. If you would like a booth at the tech conference please reach out to Wes Stanfill (wesleys@atsinlandnw.com) to get that set up.

See page 10 For conference Agenda.

When:

April 27

7:30 am to 5:30 pm MST

Please Register online at:
www.idahoashrae.com

Where:

Riverside Hotel

2900 W. Chinden Blvd

Bosie, ID 83714

BECOME ASHRAE CERTIFIED

<https://www.ashrae.org/education-certification/certification>

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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It's important to keep the chapter membership base involved and informed. In this month's dialogue, I'd like to get folks reading up to speed on the events our chapter sponsors and holds and why we do them. It is this is the time of year that our chapter typically ramps up some of our annual programs. Some of these programs are designed to be fund but raise money for a cause, while others are technical based to feed the engineer's mind. The first of these programs kicked off the effort in February with the annual bowling tournament. This is one of the newer programs that couldn't have been possible without the hard work of some of our most dedicated chapter leaders. This event started three years ago as a concept brought to the board by Russ

Pratt and continued evolution and work by Casey Huffaker and Dan Russell with support of the

board of governors. The board wanted to find an event that would not only be fun and give us all an excuse to hang out with our peers outside of a professional capacity, but also raise money for a cause. The money is, and will likely continue to be, earmarked for K-12/STEM outreach to the local community. This has included science and engineering-based equipment donations to local schools. This past tournament raised about \$1,000 for this cause. A big shout to Sigler Inc., the winner of this year's tournament.

Our next program is the annual ASHRAE tech conference coming up in April at the Riverside. This is a much older program, a day long multi-track educational event which replaces our monthly meeting. It brings local experts and distinguished lecturers from out of town to speak on a multitude of topics. ASHRAE Society in Atlanta sets chapter goals for Research and Promotion (RP) funding for each chapter. This money goes directly to continuing HVAC&R research and has helped establish the ASHRAE standards you likely use in a professional capacity. Standards like 90.1 and 62.1. Proceeds from this Tech conference go towards meeting our goals set by society. What I like about this program is it keeps us from having to cold call companies in the area and asking for a donation. Instead it pools the money, allows for direct corporate exposure of sponsors, supplies employees with a good chunk of professional development hours (PDH) all while allowing the chapter to meet our goals with Society. Wes Stanfill is planning this year's conference and has ensured the BOG that it will be the best conference to-date. This will be hard to do because last year's conference, planned by Mike Perez, was one of the biggest and best to-date.

Lastly, we have our annual Golf Tournament. Like with the golf tournament, its roots are buried deep in the chapter history. This program funds the chapter operating budget and combined with the hard work of dedicated volunteers and chapter membership dues keeps the chapter alive. This event is always a hit and ends our chapter year with a fun event before the busy season begins for most of us. This year's golf tournament is at Eagle Hills with Spencer Shepard organizing it. Spencer has been organizing this event for the better half of a decade.



HISTORY LESSON

April 2018

Five Years Ago

The chapter president was Randy Reed. The Meeting was the annual technical conference and was held at the Oxford Suites on Friday, April 19th, 2013.

Ten Years Ago

The chapter president was Xenon Long. The meeting was held on Friday, April 18, 2008 at the Idaho Power Building. Andy Williams, Engineering Manager for Midgley-Huber Technical Services, gave a power point presentation on variable frequency drives. The presentation included: Why Use a VFD; Drive Hardware and Applications; How an AC Motor and VFD Interact; Pulse Width Modulation; VFD Capabilities and Protection; and Applications and Economic Justification.

Fifteen Years Ago

The chapter president was Preston Nance. The meeting was held on Friday, April 11, 2003, at the Double Tree Riverside. Harry Beaulieu gave a presentation on Indoor Air Quality.

Twenty Five Years Ago

The chapter president was Richard Kartchner. The meeting was held on Friday, April 9, 1993, at Edwards Restaurant. Darwin Roy, Climatech, gave a presentation on DDC Control Systems.

Thirty Years Ago

The chapter president was Phil Terrell. The meeting was held on April 8, 1988, at the Kings Table Restaurant. Marv Benner, Honeywell, gave a presentation on Indoor Air Quality including pollutants, filters, and gas removal (Radon).



U.S. Government Activity

Federal Funds Available for Energy Efficiency Loans and Grants in Rural Areas

The U.S. Department of Agriculture (USDA) is accepting applications to provide guaranteed loan financing and grant funding to agricultural producers and rural small businesses for renewable energy systems or to make energy efficiency improvements. Eligible entities include agricultural producers with a minimum of 50% gross income from agricultural operations and small businesses in eligible rural areas. The loan terms guarantee amounts between \$5,000 and \$25 million and cover a number of possible retrofits.

House Energy and Commerce Oversight Subcommittee Hold a Hearing on Electricity in Puerto Rico

On April 11, at 2 PM the House Energy and Commerce Oversight Subcommittee will hold a hearing on "Update on the Restoration of Puerto Rico's Electric Infrastructure."

House Energy and Commerce's Energy Subcommittee Holds a Hearing on the FY 19 Department of Energy Budget

On April 12, at 10 AM Secretary of Energy Rick Perry will testify before House Energy and Commerce's Energy Subcommittee regarding the Administrations Fiscal Year 2019 Department of Energy Budget proposal.

Senate Environment and Public Works Committee Holds a Hearing on the Clean Air Act

On April 10 at 10 AM, the Senate Environment and Public Works Committee (EPW) held a hearing on "Cooperative Federalism Under the Clean Air Act: State Perspectives."

Government Agencies sign Agreement Streamlining Environmental Reviews

An agreement has been signed by 14 government agencies including the Department of Energy and Environmental Protection Agency that sets a goal of a two years for environmental reviews. These reviews must be completed before starting large scale projects as stated under the National Environmental Policy Act. It will also designate one agency to lead the review depending on the project, giving them the power to set deadlines for other agencies. The agreement follows an executive order from August of 2017 aimed to encourage investment in infrastructure projects and make the permitting process more transparent.

EPA Talking Points on Climate Change

An internal email sent to Environmental Protection Agency (EPA) employees dated March 27 outlined talking points on climate change. The talking points were approved by the Office of Public Affairs.

EESI Hosts a Briefing on Farm Bill's Energy Title

The Environmental and Energy Study Institute (EESI) hosted a briefing on April 4 titled Growing Jobs and Rural Economies: The Farm Bill's Energy Title.



State and Local Government Affairs

Georgia Energy Codes Update

The Georgia State Codes Advisory Committee (SCAC) met on February 28, 2018 to review the update to the energy code, to the 2015 IECC with Georgia State Supplements and Amendments, which include references to ASHRAE 90.1-2013 equipment efficiency standards.

The SCAC voted to approve the code and amendments, but pushed back the effective date to January 1, 2020, to provide additional time for training, as well as to align with the effective dates of other code updates currently under review (building code, residential code, mechanical code, etc.). The final step in adoption is approval by the Georgia Department of Community Affairs Board in 2019.

Massachusetts Legislation Would Improve Access to Home Energy Information

Legislation introduced in the Massachusetts legislature would ensure that homeowners and prospective homebuyers have access to information about the anticipated energy efficiency characteristics of residences and recommended cost-effective energy efficiency improvements. House Docket 4730 would require that a home energy scorecard and energy rating be provided to homeowners as part of free residential energy efficiency assessments, and after January 1, 2021, would require that home energy performance ratings be made available to potential homebuyers when one to four unit family homes are publicly listed for sale. Massachusetts Governor Charlie Baker (R) filed the legislation, which is entitled An Act Relative to Consumer Access to Residential Energy Information.

Nevada to Hold Hearings on Energy Code Adoption

The Nevada Governor's Office of Energy will hold three public meetings in May regarding adoption of 2018 IECC. The meetings will be held May 10 in Reno, May 17 in Las Vegas and May 23 in Elko.

State of Rhode Island Issues Permanent Rule on Hazardous Waste Disposal

State of Rhode Island Issues Permanent Rule on Hazardous Waste Disposal

The State of Rhode Island has issued a new final rule regarding the disposal of hazardous wastes including asbestos. This rule became effective on March 15, 2018.

All new facilities that process construction and demolition debris must comply with the provisions of these Rules and Regulations.



State Legislative Updates

- Alabama – the Alabama legislature adjourned on March 29 after passing the state's \$6.6 billion budget. Governor Kay Ivey (R), who does possess a pocket veto, has until April 7 to sign or veto legislation that reaches her desk.
- Georgia – Georgia lawmakers finished the 2018 session on March 29, the 40th day of the session, after approving a \$26 billion state budget and allocating \$100 million in borrowing for transit projects. Governor Nathan Deal (R), who does not possess a pocket veto, has until May 9 to sign or veto legislation that reaches his desk.
- Idaho – the Idaho legislature adjourned its 80-day regular session on March 28 after approving a bill that enhanced the state's school science standards.
- Maryland – the General Assembly in Maryland ended its session on April 9 after approving a number of final bills. Governor Larry Hogan (R), who does not possess a pocket veto, has until May 28 to sign or veto legislation that reaches his desk.
- Mississippi – lawmakers in Mississippi adjourned on March 28 after approving the state's \$6 billion budget. Legislators were unable to reach an agreement on infrastructure improvements. Better than expected state revenues provided an additional \$56 million for the current and coming fiscal years.
- South Dakota – legislators in South Dakota ended the 2018 session on March 26 without being able to override any of Governor Dennis Daugaard's (R) vetoes.



ADVERTISEMENTS

Natural Refrigerants Workshop: Building A Map Of The Future

Thursday, May 3rd, 9am-5pm

Networking reception to follow - 5pm-7:30pm

Associated General Contractors Building
1649 Shoreline Dr #100
Boise, ID 83702

Join the North American Sustainable Refrigeration Council (NASRC) for a FREE workshop to map out the future of refrigerant use in the food retail industry. Equip yourself with the necessary information to make the right refrigerant decisions – today and tomorrow!

Hear from the nation's expert on refrigerant regulations and policy, and experts from the country's leading engineering and manufacturing firms specializing in CO₂, ammonia, and propane technologies. Together, attendees will construct a map of refrigerant choices and what the future holds for each option.

This interactive workshop will explore the following **"Mega-trends"** that determine supermarket thinking now and 5-10 years in the future:

- First cost, return on investment, & incentives
- Energy use & other operating costs
- New technologies
- Codes & standards
- Government policy & regulation
- Service technician training & availability

By the end of the workshop, attendees will have a comprehensive understanding of their refrigerant and technology options and how these options will change in the future.

This workshop is ideal for service contractors and food retailers from large chains to small independents and convenience stores.

Light refreshments and lunch - sponsored by Kysor Warren - will be provided. A networking social sponsored by DC Engineering and Danfoss will follow the workshop. The event is hosted by the Idaho Department of Environmental Quality (DEQ).

Registration is required.

Space is limited, so don't delay!

Register at <http://nasrc.org/natural-refrigerant-seminar>

ADVERTISEMENTS

Online Advertising!!

Get your business card posted on

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!



ATTENTION: ASHRAE MEMBERS
The Chapter is now accepting advertisements
in the monthly newsletter.
Sponsorship Rates are as follows:

	Per Issue	Annual (9 issues)
Business Card	\$10.00	\$50.00
Quarter Page	\$25.00	\$200.00
Half Page	\$40.00	\$325.00
Full Page	\$60.00	\$450.00

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Simple Advertisements Available For FREE!!

EXAMPLE:

Engineering Company-Mechanical Engineer I Position now open
Visit: www.engineeringcompany.com/.careers for more information

- For quarter, half, or full page job advertisements see above for pricing

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- For quarter, half, or full page job advertisements see above for pricing

Issues registering for monthly meetings?



**Please contact Scott Stultz
scottstultz1@gmail.com**

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



Please contact Mike Jones @
mikejones@seedidaho.com for
more information.



2018 ASHRAE Idaho Technical Conference

27-Apr-18

Riverside Hotel | 2900 W Chinden Blvd | Boise, ID 83714

Member Registration = \$125
Non-Member Registration = \$175

Time	Topic/Activity								
7:30 AM	Registration, Visit Sponsor Tables & Get Breakfast								
8:05 AM	Welcome & Introduction								
8:15 AM	Breakfast Group Session - Max Sherman (Lawrence Berkeley Laboratory - Berkeley, CA) ASHRAE Distinguished Lecturer Dr. Duct Tape 1.0 PDH, 1.0 LU/HSW								
9:45 AM	Move to Breakout Sessions & Visit Vendor Booths								
AM Breakout Sessions									
	<table> <tr> <th>Building Automation Pod</th><th>Design Pod</th></tr> <tr> <td>10:05 AM <i>Impact on Building Controls from Internet of Things (IoT) Technology</i> Speaker: Sudhi Sinha (Johnson Controls - Milwaukee, WI) 1.0 PDH, 1.0 LU/HSW</td><td><i>The Active and Passive Beam Design Guide</i> Speaker: Peter Simmonds (Building & Systems Analytics LLC - Marina Del Rey, CA) 1.0 PDH, 1.0 LU/HSW</td></tr> <tr> <td>11:05 AM Break</td><td>Break</td></tr> <tr> <td>11:15 AM <i>Improved Efficiency with HVAC Data Analytics</i> Speaker: Jonathan Grove (ATS Inland NW - Missoula, MT) 1.0 PDH, 1.0 LU/HSW</td><td><i>Advanced Energy Design Guide</i> Speaker: Thomas Phoenix (Clark Patterson Lee - Greensboro, NC) 1.0 PDH, 1.0 LU, 1.0 GBCI</td></tr> </table>	Building Automation Pod	Design Pod	10:05 AM <i>Impact on Building Controls from Internet of Things (IoT) Technology</i> Speaker: Sudhi Sinha (Johnson Controls - Milwaukee, WI) 1.0 PDH, 1.0 LU/HSW	<i>The Active and Passive Beam Design Guide</i> Speaker: Peter Simmonds (Building & Systems Analytics LLC - Marina Del Rey, CA) 1.0 PDH, 1.0 LU/HSW	11:05 AM Break	Break	11:15 AM <i>Improved Efficiency with HVAC Data Analytics</i> Speaker: Jonathan Grove (ATS Inland NW - Missoula, MT) 1.0 PDH, 1.0 LU/HSW	<i>Advanced Energy Design Guide</i> Speaker: Thomas Phoenix (Clark Patterson Lee - Greensboro, NC) 1.0 PDH, 1.0 LU, 1.0 GBCI
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12:15 PM	Visit Sponsor Tables & Get Lunch								
12:35 PM	Lunch Keynote Speaker - Peter Simmonds (Building & Systems Analytics LLC - Marina Del Rey, CA) ASHRAE Distinguished Lecturer High Performance Buildings and Occupant Comfort 1.5 PDH, 1.5 LU/HSW								
2:05 PM	Move to Breakout Sessions & Visit Vendor Booths								
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4:35 PM	Social Hour - Sponsored with Apps, Drinks & Raffle Drawings								
5:30 PM	Adjourn								

