



Thin Air Bulletin

December 2017

December Meeting Announcement

Join us a joint meeting with NMAEE. Topic is "**Path to Zero Energy Buildings**" by NREL engineer and Associate Professor Dr. Paul Torcellini, PhD, PE.

Date: Tuesday, December 19, 2017

Time: 11:30am - 1:00pm

Location: [Pappadeaux Kitchen](#)

Cost: \$25 (members), \$30 (guests)

[Click here to register online.](#)

Presentation Info

Zero Energy Buildings have come to the forefront of the “next thing” in commercial building performance. Questions as to technical viability and costs are seen as barriers to even producing pilots of these buildings. Questions about “what they are” are tossed about the literature. This presentation will look at what they are and what is needed to change the paradigm of buildings from energy consumers to energy producers. Design guidance provided by ASHRAE will be discussed and case studies of actual buildings presented. Processes used by early adopters will be discussed. Many of the strategies can be used on existing buildings and new construction to achieve deep energy savings.

Speaker Bio

Paul is a recognized expert in zero energy buildings having spoken widely on the subject and published numerous papers on the subject. Among his many awards, Paul has received two ASHRAE Technology Awards for his energy-efficient buildings work and two Energy User News magazine's Efficient Building Awards. Paul has been key in the development of the Advanced Energy Design Guide series from ASHRAE and has chaired two of the guides for K-12 schools and grocery stores.

Paul is a Principal Engineer at the National Renewable Energy Laboratory (NREL) in Golden, Colorado and on the faculty of Eastern Connecticut State University. He holds a PhD. from Purdue University in Mechanical Engineering and is a Registered Professional Engineer.

President's Message

Dear New Mexico ASHRAE members:

We are rapidly approaching years-end. I hope you all had a successful and profitable 2017.

Your New Mexico chapter board is taking an active role in Government Advocacy. As such, we welcome your recommendations or comments on any areas or ideas which you feel that the local government can help broaden the field of HVAC&R in New Mexico.

Some recent examples of State and Local Government affairs include:

Georgia State Codes Advisory Committee Delays Adoption of Building Energy Codes
Indiana Re-adopts Statewide Energy Code
Commonwealth of Virginia Moves Toward Cap-and-Trade Plan
Miami-Dade County Sponsoring Building 305

More details of these measures can be found at ASHRAE.org/government-affairs.

These are just a few examples of how local ASHRAE Chapters can influence their local government. If you have any recommendations, please contact either myself or your Government Advocacy Chairman, Alex Quintero alexq@varitecsolutions.com.

Please feel free to contact me at jhine@siglers.com with any questions, ideas, suggestions and input you might have regarding anything and everything ASHRAE.

I hope you all enjoy the Holidays. Merry Christmas and Happy New Year!

Sincerely,

Jerry Hine, P.E.
New Mexico Chapter President
2017-2018

Los Alamos Section News

Our Los Alamos Section held its first meeting in September. A huge "thank you" to Scott Atwater who gave his presentation on "Data Center Design". The meeting generated excitement in our engineering community and was well attended.

December 19th at 5:30pm we will be hosting Paul Torcellini from the National Renewable Energy Laboratory for a repeat presentation of our Albuquerque lunch meeting, "Path to Zero Energy Buildings". The meeting will take place at the historic Fuller Lodge. Thanks to Stephen Forner, who will be driving Paul up the hill for the meeting.

We are steadily growing our membership and presence in Los Alamos and Northern New Mexico. This corresponds well with President Bjarne Olesen's theme "Extending Our Community". If you know of a colleague in Northern New Mexico, extend an invitation to join us on December 19th.

Upcoming Events

Dec 19 Chapter Meeting (Joint with NMAEE)

Path to Zero Energy Buildings

11:30am – 1:00pm

Pappadeux Kitchen

Dec 19 Los Alamos Meeting

Path to Zero Energy Buildings

5:30am – 7:00pm

Fuller Lodge

Jan 16 Chapter Meeting

Indoor Health and Patient Care

11:30am – 1:00pm

Pappadeux Kitchen

Feb 20 Chapter Meeting

Understanding HVAC and Plant Dynamics

11:30am – 1:00pm

Pappadeux Kitchen

March Chapter Meeting

Distinguished Lecturer Dan Int-Hout

Thermal Comfort

11:30am – 1:00pm

Pappadeux Kitchen

April 17 Chapter Meeting

Distinguished Lecturer Hoy Bohanon

Demand Control Ventilation

11:30am – 1:00pm

Pappadeux Kitchen

In Other News...

Membership

We had a great membership event at the Presbyterian central plant in November, thank you to everyone that turned out, I hope you all enjoyed it. Many of us have our membership renewals coming up at the beginning of the New Year. If you have any questions about how to renew, or need some documentation for your employer to justify the investment on your behalf, please let me know and I will get that to you ASAP. I hope you all have a safe holiday season and keep your eyes on the bulletin for events in the spring. Thank you.

Ryan Shaffer
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History: September 1992

Chapter Officers were:

- President: Steve Maggert
- President-Elect: Mike Slaman
- Secretary: Al Guera
- Treasurer: Harold Trujillo

The program was "The Future of Acoustic Lining???" This was a joint meeting with the NM Sheet Metal Contractors Association held at the Petroleum Club. Panel members were Richard Gamboa of Manville Corp., Henry Smahlik of Fugro-McClelland Environmental, Michael von Godanyi of Semco, and moderated by Thomas T. Shishman of Shishman & Associates.

Local Job Listings

Job Title: Plumbing Engineer

Company Name: Bridgers & Paxton Consulting Engineers, Inc.

Website Link: www.bpce.com

Contact Information: Employee Services

Seeking qualified Plumbing Engineers/Designers for its Albuquerque Office 3-20 years experience in plumbing piping design or engineering for commercial, industrial, medical, and laboratory facilities, proficient with ACAD MEP and/or Revit, and a team player. Submit cover letter and resume on www.bpce.com B&P offers competitive salaries and benefits as well as 4 ½ day work weeks in a progressive, cooperative, and friendly atmosphere.

Job Title: Mechanical Engineer

Company Name: Bridgers & Paxton Consulting Engineers, Inc.

Website Link www.bpce.com

Contact Information: Employee Services

Seeking a Mechanical Engineer with 8 plus years of experience in the design of building mechanical systems. Successful candidate must be capable of obtaining and maintaining a security clearance. Design experience with office and laboratory systems desired. Work may include new facility design, major renovation, and operations and maintenance type equipment replacement. Energy modeling, LEED, and REVIT/Microstation experience a plus. Submit cover letter and resume on www.bpce.com B&P offers competitive salaries and benefits as well as 4 ½ day work weeks in a progressive, cooperative, and friendly atmosphere.

For info on how to submit a job listing, refer to newmexicoashrae.org/jobs

2018 ASHRAE Winter Conference and AHR Expo

Society News and Opportunities

[ASHRAE Earns Prestigious UN Environment Award for Dedication in Advancing Montreal Protocol](#)

[ASHRAE Publishes 2017 Version of Standard 55](#)

[HVAC Design and Operations Training](#)

[2017 Online Course Series](#)

More news at ashrae.org/news

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