

NEWS & VIEWS

Oct., 2017

The Pacific NW Heating Cooling Association
Serving Oregon and SW Washington



P.O. Box 87907
Vancouver, WA. 98687-7907
360-834-3805
dick@oracca.org

October 6th @ NW College of Construction DAIKIN



Len Crawford

The **October ORACCA meeting** is scheduled to be held at The NW College of Construction, **8111 NE Holman St, Portland, OR 97218** at 11:30AM, Thursday, October

requirements (operation mode, set point temperature), and will operate the compressor at the exact level, required to comply with the indoor requirements.

When another indoor unit is turned on, the outdoor recalculates the requirements from all the indoors, and will increase the compressor's output, according to the required level of demand.

This process is constantly occurring with any change, performed in the HVAC system. As described, the VRF system is fully automatic, and regulates its power consumption based on the demand arriving from the indoor units and outside prevailing conditions.

A well-designed VRF/VRV system will typically serve areas known to have opposing heating and cooling loads and can, therefore, redistribute excess heat from areas that require cooling to those that require heating. Heat recovery VRF/VRV systems deliver the ultimate in energy efficiencies, achieving a SCOP/SEER in excess of 5.0.

The ability to adjust itself to the outdoor conditions is one of the main factors that makes VRF systems so efficient, compared to the traditional water cooled systems, based on chillers and fan coils.

This meeting promises to be very informative about a segment of the market that is still relatively new. And, one which offers long term cost savings for the customer and sales dollars for you.

Join us at NW College of Construction and learn more about what is happening with the Daikin line of products.

5th, 2017.

Lunch is being provided by Thermal Supply, so bring your appetite and join your fellow HVAC contractors to network and hear about these exciting programs. You do not want to miss this, so add the date to your calendar and plan to attend.

Len Crawford, Commercial Sales Manager with Daikin will be presenting. Following is an outline of his presentation.

The VRV product line. This is the Variable Refrigerant Volume systems. Based on Inverter technology compressors, the first VRV HVAC systems were invented by Daikin during the early 1980's. ... All other companies use VRF (Variable Refrigerant Flow2) for their similar HVAC systems.

The operation logic of the VRF is fully built-in inside the system and is proprietary for each VRF manufacturer. The system gets inputs from the user (e.g. desired comfort temperature) and from the surroundings (outside ambient temperature), and according to that data it implements its logic in order to get to the desired comfort conditions, utilizing optimal power consumptions.

At the beginning, the system is in standstill condition (everything is turned off). Once a user turns one of the indoors "ON" by its local remote, the outdoor "gets noted" regarding it, and starts working. At this point, it will examine the outdoor conditions (temperature), the operating indoor

Inside This Issue

October 5th Meeting 1

October 19th Codes Meeting 2

Sponsorship 3

Calendar 4

What?

DAIKIN

When?

11:30AM - 10/05/17

**NW College of Construction
8111 NE Holman St, Portland, OR
97218**

Need NATE CEU credits to maintain your certification? You need 15 CEU hours in two years.

See page two for information on the Codes meeting

Both meeting earn NATE CEU's and CCB- CE's

NEWS & VIEWS

Oct., 2017

The Pacific NW Heating Cooling Association
Serving Oregon and SW Washington



P.O. Box 87907
Vancouver, WA. 98687-7907
360-834-3805
dick@oracca.org

October 19th @ NW Natural, Sherwood Code Issues

The **MEMBER ONLY** October 19th **Codes update meeting** is scheduled to be held at the **NW Natural Gas/Training Center 20285 SW Cipole Rd. Sherwood, OR 97140. Lunch is being provided by NW Natural,**

This is a joint meeting between ORACCA and OMOA. The Oregon Mechanical officials Association. Their membership consists of code officials from State and local jurisdictions throughout Oregon. Attending will be Code Officials from the surrounding jurisdictions,

Plus, we have invited representatives from the surrounding area, to add their thoughts to the discussion of the status of the current codes and advise the attendees of any changes, which are imminent or will be coming on-line in the near future.

All interesting and important subjects which can and will affect your businesses, so plan to attend and learn. The people who can answer your questions will be there, so don't miss it.

Topics include residential boilers and inspection "look-fors", a presentation from NWN about CSST install mistakes that are being missed by contractors and inspectors; and Heating and Cooling calculations per OMSC Sec. 310 OR the Outdoor Airflow Rate calculations per 403.3." Addressing the CSST issue will be Lacey Garrett, NW Natural.

In addition, representatives from Ridgid tools, Kendrick Jones, Trade Tool Supply in Tualatin/Sherwood, OR, a certified platinum RIDGID repair/sales/service center will be demonstrating their line of RIDGID® pressing tools which are unsurpassed in making quick and reliable connections on **copper**, stainless steel, PEX, **black pipe** and multi-layer tubing.



For those interested in **copper** pressed connections, they will also have the Viega® ProPress fittings available for demonstration.



Do more with Viega MegaPress, the first and only press fitting system for **black iron** pipe suitable for water, compressed air and gas applications.

Viega was the first to offer press joining systems in North America, the first to offer a proven method to verify secure connections and the first to offer the same time-saving press technology in multiple materials.



So, HAVC/R piping without brazing. And, now Black pipe without threading.

You can do a closet install



without the worry of fire in an enclosed space and you don't need your nitrogen tank since there is no oxidation inside the piping. Interesting!!

This meeting will qualify for 2.0 CE hours of credit toward your CCB requirement! A new member benefit. The meeting also offers one NATE CEU for attendees.

So, if you need CCB CE's, here is an opportunity to accumulate 2.0 CE hours toward your requirement. Plus, you can get answers for all your code related questions at the same time.

This is a meeting you should not miss! CCB CE's, NATE CEU's and answers to code questions.



Making a Difference in Air

www.johnsonair.com

GENSCO

Full Line Wholesaler of HVAC Supplies,



It's Our Business to Protect Yours

FEDERATED
INSURANCE 

SPONSOR OF THE MONTH



901 SE Stephens St,
Portland, OR 97214
Phone: 503-238-8833

TRAINING/ TESTING

Brazing Certification Test, October 20, 2017,
PCC @ Swan Island Facility

NATE Test, Are being scheduled on demand. Con-
tact the ORACCA office for details 360-834-3805

CFC Test, Are being scheduled on demand. Con-
tact the ORACCA office for details 360-834-3805

Brazing Certification Test, November 7, 2017,
RSD Salem, OR. Contact RSD for Info

Brazing Certification Test, December 15, 2017,
PCC @ Swan Island Facility

Go To www.oracca.org for registration

Not a member? We'd love to serve you, too.

For additional information visit www.oracca.org or call 360-834-3805. Email dick@oracca.org

PRESIDENT Mark DeFrancisco Heat Relief 503/261-9915 VICE-PRESIDENT Dan Pfau BlairCo 360-573-1331 SEC-TREASURER Loren Watts Watts Heating 360-786-2858 LEGISLATIVE-CODES - ENERGY Mert Gagle Gagle's Htg. & AC 503/581-2972 IMMED. PAST PRESIDENT Buck Sheppard 503/ 936-9672 EDUCATION/ APPRENTICESHIP TRADE SHOW/ PROMOTION	Planning Ahead MEETING DATES	BOARD OF DIRECTORS Mark DeFrancisco Clyde Burton Mert Gagle Dennis Klink Dan Pfau Nathan Phillis Randy Preston Buck Sheppard Travis Smith Loren Watts Kelly Wilhite ASSOC. BOARD MBRS Keith Barrow Eric Falk Larry Johnson John Karasaki Stewart Mercer Erik Scholibo Jeff Schmidt EXECUTIVE DIRECTOR Suzanne M. Stilwill Association Management 360/834-3805 Fax: 503/914-1999 <i>"We Meet The first Thursday of the Month"</i>
	<p>A. January 5 Utility Program Roundtable w/ ETO, PGE, NWN, etc. NATE CEU (1.0)</p> <p>A January 19 - Codes Update@NW Natural , Sherwood - NATE CEU (1.0)</p> <p>B. February 2 - Honeywell @ MarHy - NATE CEU (1.0)</p> <p>C. March 9- GENSCO Presentation @ NW Coll. of Constr. - NATE CEU (1.0)</p> <p>D. April 6 - Mfg. Reps Presentation @ NW Natural , Sherwood- NATE CEU (1.0)</p> <p>D April 20 - Codes Update@PGE Wilsonville - NATE CEU (1.0)</p> <p>E. May 2 - Thermal Training Day @ NW Coll. of Constr. - NATE CEU (7.0)</p> <p>F. June 1 - Johnson Air Presentation @ Johnson Air- NATE CEU (1.0)</p> <p>G. July 17 - Golf Tournamnet - Oregon City Golf Course</p> <p>G July 20 - Codes Update@NW Natural , Sherwood - NATE CEU (1.0) & CCB CE 2.0</p> <p>H. August - No Meeting</p> <p>I. Sept. 7 - ETO Presentation @ NW Coll. of Constr. - NATE CEU (1.0)</p> <p>J. Sept 9 - Shoot Out - Canby Rod & Gun Club</p> <p>K. Oct. 5 - Thermal Presentation @ NW Coll. of Constr. - NATE CEU (1.0)</p> <p>K October 19 - Codes Update@NW Natural , Sherwood - NATE CEU (1.0)</p> <p>L. Nov. 2 - Johnstone Presentation @ NW Coll. of Constr. - NATE CEU (1.0)</p> <p>M. Dec. 7 - Xmas Party @ Lennox</p>	

Visit our Website for
 information on the
 association's activities.

www.oracca.org



ORACCA

Oregon Air Conditioning Contractors Association
P.O. Box 87907
Vancouver, WA. 98687-7907
360-834-3805

October Meeting
10/05/17 @ NW College of
Constuction

To:

Want to be a member? We'd love to serve you, too!
 For additional information visit www.oracca.org or call 360-834-3805. Email dick@oracca.org