

NEWS & VIEWS

April, 2018

The Pacific NW Heating Cooling Association
Serving Oregon and SW Washington



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Take I-5 North or South, depending on the direction from which you are starting.

Take the Nyberg St exit, EXIT 289, toward Tualatin-Sherwood Rd.

Turn West onto SW Nyberg St. SW Nyberg St becomes SW Tualatin Sherwood Rd.

Turn right onto SW Cipole Rd.

SW Cipole Rd is 0.1 miles past SW 124th Ave. You will see the NW Natural facility, 20285 SW Cipole Rd. is on the left.

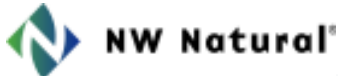
What?
Joint ORACCA / Codes
Officials Meeting

When?
11:00AM, April 19th.
at NW Natural Sherwood
20285 SW Cipole Rd. Sherwood,
OR 97140

April 19th- Mfg. Reps Presentations & Code Officials Meeting



The April quarterly joint ORACCA/OMOA Codes update meeting is scheduled to be held at the NW Natural, Sherwood Facility, 11:00AM, April 19, 2018. **This meeting room is provided by NW Natural and Lunch is sponsored by Platt Electric**



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.

Many representatives from the surrounding area are invited, 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.

Important Code subjects which can and will affect your businesses, so plan to attend and learn. See you at Sherwood! Have lunch, and listen to the people who can answer your code questions.

In addition we have numerous manufacturers representatives who will be discussing their various product lines



Tim Trantham, Pacific Product Sales, representing multiple manufacturers products lines, will present on flash Shield flexible gas piping. He will also be displaying Shoemaker, Panasonic ventilation and Flash Shield at his table www.pacificproductsales.com
Phone: 425-392-6148



Casey Hollabaugh, Hollabaugh Bros and Assoc. representing over two dozen different manufacturers product lines, will be presenting on Centrotherm Polypropylene Vent Systems. The InnoFlue® line of vent systems, kits, and accessories are highly engineered for use with ANSI Category II and IV gas burning appliances, www.hbarep.com
Phone: 503-238-0313



Mike McNulty and Damien Hendricks Build Products NW, representing over 20 manufacturers lines, will be presenting on LG's Duct-Free Technology. Efficiency and modern modular design are just the beginning.
<http://www.buildproductsnw.com>
Phone: 503-583-2535



Alec Stewart, Stewart Marketing manufactures field representative for Eaton PQ products performing surveys and training in the NW. He will present on:
Surge overview (facility downtime and equipment failure)
Surge HVAC example
Surge protection devices and product application categories
NEC Code requirements (708.20) HVAC
<http://www.stewartltd.com/>
Phone: 541-233-3226

Stop by for lunch and see all these product presentations. Undoubtedly there will be opportunity for profit among them.

CODE UPDATE

This code question involves heat pumps on residential applications.

1) Does Oregon mechanical code require supplemental heat (electric resistance or gas) below a certain ambient temperature when heat pumps are used as primary sources of heating, since the heat pump will have degraded performance at low ambient temperatures?

2) Are our hyper-heat units exempt from the code requirement (if any) in question 1, since they can operate down to 5F with 100% heating?

This would be a selling point for hyper-heat, since it could potentially save the contractor/homeowner from installing a backup system.

The answer from area code officials:

Randall Soelberg Inspector, City of Wooburn, responded with the driving code section for the residential code is R303.9.

There is no specific code language requiring a secondary heat source, however this code section requires code officials to verify that the intent of the code is met by any means necessary up to and including a secondary heat source.

Having said this; there is a pending lawsuit against a jurisdiction in eastern Oregon that allowed heat pumps as the only heat source for residential housing in a new subdivision. The key to this is that the listing of the appliance did not specify that the heat pump was a continuously effective heat source in below freezing temperatures for extensive periods of time that would allow the requirements of R303.9 to be met.

If you choose this method of using hyper-heat unit heat pumps; be prepared with the listing information that

clearly shows the testing criteria and the result of the testing under extended cold periods of below freezing and sub-zero temperatures. This would be a requirement as part of the permit submittal in this jurisdiction for any heat pump installation without a secondary heat source.

Mark Heizer, Oregon State Codes Division also responded stating if the contractor/designer has Manual J and S calcs that show the system heat can meet the load at design conditions, they meet code (M1401.3). As Randy noted, the equipment has to show that it can provide the required heating at design conditions.

In the Valley/Coast, few locations have a heating design temperature below 17F (the AHRI low temperature testing condition). Here are values from one central heat pump system. If the building heating load to maintain 68F (R303.9) is less than about 32,000 Btu/h, the example equipment cannot be required to have supplemental heat. There is no requirement to show that equipment must provide full capacity at conditions below the outdoor design temperature (i.e. sub-zero in the valley/coast), whether a gas furnace or heat pump.

Side note: Since heating capacity is the dominant load for a code minimum home, cooling capacity will be oversized if a contractor wants to avoid supplemental heat (either at the unit or spread thru the home). It's not prohibited, since this type equipment has variable capacity (M1401.3 Exception 1). Super-insulated, super-tight homes can more-easily use these low-temp heat pumps; summer solar load does not decrease by much, since windows still let in sunlight, plus internal cooling loads are trapped inside. So the summer peak cooling load is closer to peak winter heating load (again with the caveat of "when properly sized to the home load calculation").



ORACCA distributes NEWS & VIEWS on a monthly basis to members and selected non-members, so that all those in the HVAC/R industry can keep informed of issues regarding our trade, and Chapter activities. We hope the non-members will see this newsletter as an example of the quality services that ORACCA provides. Contributions or suggestions can be faxed to Association Headquarters at 503-914-1999 or emailed to dick@oracca.org



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. TRAINING/ TESTING

Brazing Certification Test, March 23, 2018,
PCC @ Swan Island Facility (**CLOSED**)

NATE Test, On Demand - Call ORACCA for
details and scheduling

CFC Test, On Demand - Call ORACCA for
details and scheduling

Brazing Certification Test, June 15, 2018,
PCC @ Swan Island Facility

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 Randy Preston Buck Sheppard Travis Smith Cory Streeter 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 18 - Codes Update & Utility Update@NW Natural, Sherwood - NATE CEU (1.0), CCB CE (1.0)</p> <p>B. February 1 - Honeywell @ MarHy - NATE CEU (1.0), CCB CE (1.0)</p> <p>C. March 1- Cyber Security Presentation @ YORK , Tigard, OR- NATE CEU (1.0), CCB CE (1.0)</p> <p>D. April 19 - Codes Update, Mfg. Reps Presentation @ NW Natural, Sherwood- NATE CEU (1.0), CCB CE (2.0)</p> <p>E. May 1 - TBD Training Day @ NW Coll. of Constr. - NATE CEU (7.0)</p> <p>F. June 1 - AIREFCO Presentation @ TBD- NATE CEU (1.0), CCB CE (1.0)</p> <p>E. June 9 - Shoot Out - Canby Rod & Gun Club</p> <p>G July 16 - Golf Tournamnet - Oregon City Golf Course</p> <p>G July 19 - Codes Update@NW Natural , Sherwood - NATE CEU (1.0) & CCB CE 2.0</p> <p>H. August - No Meeting</p> <p>I. Sept. 13 - TBD Presentation @ NW Coll. of Constr. - NATE CEU (1.0), CCB CE (1.0)</p> <p>J October 18 - Codes Update@NW Natural , Sherwood - NATE CEU (1.0) & CCB CE 2.0</p> <p>K. Nov. 1 - Thermal Presentation @ NW Coll. of Constr. - NATE CEU (1.0), CCB CE (1.0)</p> <p>L. Dec. 6 - Xmas Party @ Lennox</p>	

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



ORACCA

Oregon Air Conditioning Contractors of America
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 360-834-3805

**ORACCA, April 19th
 at NW Natural , Sherwood**

To: _____

... 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