



HVAC-PLMB Advisory Committee

Date: April 17, 2015

Called to order: 8:05 am

Adjourned: 9:55 am

Chairperson: Jan Loving

Person completing report: Jennifer Woods

Members present from industry: **Ed Donahue**, Doc Savage Supply; **Dave Jensen**, R.E. Michel/ Part time Instructor; **Jan Loving**, Loving & Associates; **Tom Sullivan**, Kirkair; **Mary Ann Ulik**, Trane; **Jerome Baca**, State of NM Mechanical /Plumbing Bureau; **Steve Gross**, Johnstone Supply; **Mike Baldonado**, Western Mechanical

Members present from CNM: **Jim Chong**, Instructor; **John Bronisz**, Dean; **Russell Johnson**, Instructor; **Denise Ojeda**, Instructor/Program Chair; **Jeff Polk**, Instructor; **John Rogers**, CNM Maintenance Dept.; **Doug Toca**, Instructional Tech; **Ray Trujillo**, Instructor

Next scheduled meeting: October 23, 2015, 8:00am, ATC 108

I. Welcome/Introductions: Jan Loving called the meeting to order, and everyone introduced themselves.

II. Minutes: Minutes from fall meeting approved.

III. Reports: PLUMBING:

- Ray Trujillo reported that student enrollment is down. Right now we are teaching 2nd and 3rd terms. There will be no first term in the summer. We have four students who are moving on. The reason the numbers are down is that books and tools cost too much. We have been able to get the tool cost way down, and are allowing students to borrow certain tools from the school. Russell was able to get Pearson to customize our books so we could lower the cost of text books too.
- Moriarty High School – We have plumbing and pipe fitting classes – 21 students showed up. All of our first term lab equipment was set up in the classrooms and rebuilt for this program. These students are very excited to have us and we have gotten great reception from staff and faculty. These are dual credit classes, mostly seniors but a few juniors are enrolled too. We may get electrical and HVAC classes there too. John Bronisz added that Moriarty has experienced a decline in population, and funding in schools has dissipated, so the community really wants our industrial arts programs there. The superintendents have a lot of flexibility and can make decisions quickly. There will be a new principal soon, so we are hoping we can continue the same great relationship with the school district.
- Mary Ann mentioned the grant from PED for Career College High School programs. For more information, we should contact Elaine Perea with the College and Career Readiness Bureau at: http://ped.state.nm.us/ped/CCR_contacts.html
- Night classes are more successful than daytime classes. We have changed the curriculum so the first 2-1/2 weeks of class is lecture and the rest of the seven weeks is in the lab. We have one student who is doing recruiting for us! We will also get a Facebook page for the program.
- Joint project with carpentry program. Carpentry students placed a concrete slab, and the plumbing students did all the stub-outs. Students are learning collaboration and soft skills.

- Denise said that the electrical program has been growing because of the willingness to decide which techniques do or do not work. In particular, the cost of tools and books has been scrutinized, and costs have been lowered. Collaboration is key, and the faculty is interested in best practices.
- COSTS: Plumbing tool kit costs about \$680, but we have pared it down to about \$110. Repair tool kit was \$300, and now it is down to about \$98. Can we get a tool manufacturer to subsidize tool kits for the students? This is something to look into. Book cost has been pared down too. What about union help with scholarships? Apprenticeships are available and the union will hire a second year apprentice.
- Jan started a discussion about how plumbers protect the health of the nation. With the Internet and YouTube, customers think they can do all the work themselves, and this is dangerous. The school needs to change the perceptions that people have about the worth of plumbers, pipe fitters or electricians.
- Denise said we have a new marketing director who is interested in promoting the trades.
- Russell mentioned SkillsUSA. We had three winners. This year, the Nationals will be in Louisville KY. Johnstone Supply donated prizes, as well as JT Baca.
- **Russell presented new curriculum changes in the plumbing program, and would like feedback from the members by May 22 if possible. There are four documents to be reviewed:**
 - **The first is the current curriculum.**
 - **The second is for the Residential certificate to be done in two terms.**
 - **The third is for a Commercial certificate in three terms.**
 - **The fourth is an Associate of Applied Science degree in four terms. There is a need to draw a line between plumbing and HVAC, and create more certificate programs. The HVAC program should be a stand-alone program with only minimal crossover between the two. Feedback from the committee is essential for making changes. The documents will be mailed to all the members of the committee for review. If approved, the changes will take place in 2016.**
 - **Please direct your comments to Russell Johnson at rjohnson147@cnm.edu**
- We need to let our students know that they cannot become a journeyman after finishing our program. They need a lot more experience before they can even start their own business. It takes four years to become a contractor. Journeyman at two years. Consumer protection is also an issue now.
- Jerome Baca said that he would be happy to come into the classes to talk about testing and licensing.

HVAC:

- Jeff Polk talked about HVAC classes. There are 18 students in first term and the night class has 12. EPA test is next week; all 18 students are moving on to the second term.
- Competency Based Education – More hands-on final assessments.
- Campus as a Living Lab project - the students search for refrigerant leaks on CNM buildings. A film crew will document this activity.
- The Facilities Management Association of NM has earmarked a chunk of money to the CNM Foundation for HVAC improvements and lab improvements.
- Mechanical and Plumbing Code classes – we are switching to the 2012 code book next year.
- HVAC Excellence Conference – National conference for instructors.
- SkillsUSA – One HVAC student placed second. One sheet metal student will go to the Nationals, which will be in June in Louisville, KY. Johnstone donated huge prizes.
- R.E. Michel donated a 5-ton gas pack to us.
- One of our grads won the PNM Renewable Technology Success awards - \$1000 for new tools. Several of our students have been hired.
- Job Connection Services – Rhonda Ross - rross14@cnm.edu for more info.
- Jim Chong: Has 14 students in 4th term, about to get their certificates. Also teaching green building classes.



- Summer term looks good. In the fall, they will teach 1st and 2nd term again.
- CTE Day: 1,000 HS students came through the HVAC labs and ate a bunch of ice cream. CNM students also gave presentations. Received great feedback from students. This is a good strategy for inspiring new students.
- We are getting a new 52-ton chiller which will be installed by the fall.
- Jerome Baca said that the 2012 Mechanical codes will be in effect May 1, enforcement starts in November. Training will be available to the instructors.
- Who is in charge of the continuing ed. classes? Jan will help Jerome with the technical advisory sub-committee. There is overlap of the scope of work, so the training combines plumbing and HVAC. Jerome invites anyone to put together a class.
- Next meeting: October 23, 2015, 8am

IV. Adjournment: Meeting adjourned at 9:55 am