

HVAC ADVISORY COMMITTEE
February 20, 2008

MEMBERS PRESENT:

Will Rivera, CCISD, Copperas Cove, TX
Artie Jackson, Arties Heating and Air Conditioning, Killeen, TX
Monte Henning, Foreman Mechanical Maintenance, Central Texas College, Killeen, TX
Jim Hatfield, Supervisor, HVAC, Central Texas College, Killeen, TX

MEMBERS ABSENT:

Mr. Tony Williams, Homemaker Heating & Air, Killeen, TX

EX-OFFICIO MEMBERS PRESENT

John Pendleton, Instructor, Central Texas College, Killeen, TX
Timothy Gohdes, Instructor, Central Texas College, Killeen, TX
Becquer Erribarren, Lab Assistant, Central Texas College, Killeen, TX
Billy Hazzard, Department Chair, Central Texas College, Killeen, TX
Duane Sexton, Instructor, Gatesville TDC, Gatesville, TX.
Dianne Dudley, Departmental Assistant, Central Texas College, Killeen, TX

EX-OFFICIO MEMBERS ABSENT

Don Mikles, Dean of Central Campus, Central Texas College, Killeen, TX

The meeting was called to order by Mr. Hazzard who welcomed the committee members on behalf of Dr. Anderson, CTC Chancellor and Mr. Mikles, Dean of Central Campus and thanked the committee for their continued support of the HVAC program and the Advisory Committee. He stated that their input was very important to the HVAC Program. It is critical for us to stay abreast of what is going on in the industry.

Mr. Hazzard discussed updates to the program. He stated that we are accredited by SAC and Texas Higher Education Coordinating Board sets the standard in terms of how many people should complete the program. A program is required to produce 15 completers in a three year period. The HVAC program had 49 completers in the past three years with 14 completers last year. Of the 49, only one person is not employed and is unemployable. While in our program, he almost lost his eyesight. From September 04 to August 05, 68% of the completers were working in the field; September 05 to August 06, 81% were working in the field, and for September 06 to August 07, 64% were working in the industry. There are five advertisements on the board right now where employers are looking for technicians. The job openings are in Austin, Round Rock, Killeen, Temple, and Belton. In all technical fields, there are not enough qualified people to take the jobs.

The enrollment numbers are slightly down as compared to the fall of 2004 when we had 183. This fall we had 107 students while there are 108 enrollments this spring, and the past summer where our norm for students is in the mid 30s.

We are in the process of doing a curriculum revision. The Advanced Heat Pump, a local needs class will go away and add an Advanced System Design Layout course. It will essentially be an installation class. Mr. Pendleton said he did not eliminate the Advanced Heat Pump content but added to the Heat Pump class. Mr. Gohdes will develop the Advanced System Design course and will be very comprehensive with each activity that has to do with installation in the class. Refrigerant 410-A will be incorporated into the residential class. Mr. Hazzard stated that Mr. Gohdes also teaches the EPA Certification course. If there is anybody in the field that needs the certification, Mr. Hazzard asked that they call so we can put them on the list. Mr. Gohdes said that the classes are taught on Saturday and normally takes all day.

We still do not have enough space. Within the next two years, the Heating and Air Conditioning might be getting another classroom. If so, the lab will become the lab only and the classroom will be in a different location.

Mr. Pendleton discussed the HVAC Excellence Conference in Las Vegas. The three day course qualifies as continuing education. The conference offers so much that no one can take all of the classes. If you are going to stay up with what is going on in the industry, they provide good classes. Mr. Pendleton and Mr. Gohdes took their spring break to attend the classes.

Mr. Rivera said the Copperas Cove High School received new pieces of equipment that were put in last year by Mr. Jackson. Because he works for the school, he is able to see a lot of new equipment coming that is required by the state. The schools are going towards better air quality and air balance which requires troubleshooting to make sure the equipment opens and closes. They have also installed CO2 sensors. Mr. Jackson talked about the high speed thermostat which can be programmed for 360 days. He thinks that the state is requiring more schools to get into energy savings. Mr. Hatfield said that CTC went through that in 1999 and we're going to do it again.

Mr. Jackson stated that heat pumps are still big. They are getting into a lot of electronics and variable speed motors. There is a new motor called X13 which has an EMC motor with soft start and shut down. HVAC technicians need to learn the new terminology that comes with new technology.

Mr. Sexton said that the HVAC program is being closed in the prison system at Gatesville.

Mr. Gohdes asked about the propane license. He wanted to know how Mr. Jackson had heard about the air balance that was mentioned last year. Mr. Jackson said the information came through the National Balance Institute (NBI) which identified that most problems were due to poor duct design.

Mr. Hazzard concluded by saying that Mr. Pendleton has a good program. All members of the committee indicated the curriculum met expectations and supported the changes. The committee was pleased with the program, the instructors, and the quality of the students coming out of the program.

Billy E. Hazzard
Department Chair
Industrial Technology Department