

Minutes
HVAC Advisory Board
March 3, 2023

1. **Members Present:** Kyle Rogers, Rob Vander Weele, Luke Vanderhill
Members Absent: Andrew Ballentine, Brad Bartholomew, Carson Cornish, Terry Doubledee, Diego, Hernandez, Don Keegan, Steve Kuhtic, Diane Long, Gabriel Maldonado, George Manchester, Jim Penny, Joseph Plume, Steve Rogers, Scott Rogers, Kelly Westerfield, Dan Wood, Pete Woodruff, Shaun Wright, JJ Piper
KVCC Staff/Faculty Present: Dwight Coblentz, Charles Heidelberg, Jerry Lentz, Lucas Howell
2. Call to approve minutes: Minutes of 11/03/2022 approved.
Motion: Kyle Rogers Second: Luke Vanderhill
3. Program updates
 - a. Instructors for the HVAC Department
 - Jason Garza (PT), Jim Kelly (PT), Lucas Howell (FT), Dwight Coblentz (FT)
 - Dave Fuetz (resigned after one year)
 - b. Discuss HVAC courses & EFE
 - HVAC Low Temperature Commercial Refrigeration
 - Second year running. Thirteen students this semester. Class is going well.
 - Looking at 404A – E.P.A. phasedown
 - EFE Program
 - Enrollment – (4) official, (1) home school. Normal for EFE
 - KRESA is opening a Tech Center fall of 2024, which will include HVAC program (entry level – career exploration).
 - Several KVCC classes will be taught in the new Tech Center.
 - HVAC classes, at this time, will not roll into KVCC’s curriculum.
 - Needs further discussion.
 - c. Enrollment for HVAC
 - Enrollment this year is about normal.
 - Thirteen to seventeen students each year earn a certificate or two-year degree.
 - All classes are Pre-COVID design. Eighteen seats max.
 - d. ACHR – “Bureau of labor statistics predicts the demand for HVAC techs will increase by 13% in the next several years, with 46,000 new jobs”
4. Perkins
 - Capital funding comes from Perkins.
 - Need to present data for the HVAC program.
 - Approximately fifty students (9%+ women) in the program.

5. New business and/or projects

a. Discuss new and emerging trends in the industry – R-454B (new R410A) & R-32, HRV in lab

- Discussions underway.
- HRV in Lab - In the process of getting the right material.

b. Students use of computer technology/software & soft skills

- Computer lab access provided - Office 365 (Visio) and other tools available.
- Portfolio requirement: Build electrical and refrigerant schematics etc.
- Soft skills projects incorporated in classes.
- Customer relations class offered Wednesday nights at 7:00 p.m. (Lucas Howell)

c. Capital requests for Hydronics was approved and being ordered (Navien/Burnham)

- Two boilers have been received. Old boilers will be disposed of.
- Third boiler expected this summer.

d. 2023 Capital – not yet approved (testing instruments etc.)

- Fifteen to twenty thousand dollars of testing equipment. Working with dean on how to reword the request. Waiting on a decision.

e. Hybrid Electric Water Heater - Donated

- Student project - The water heater leaks refrigerant. Students are working to find the leak.

6. Updates from around the college

- Possible expansion of the tech wing will double the size of the lab. Waiting on an update from the dean.
- Heat Pump student presentations - Tuesday, April 18, 2023 at 7:00 p.m. Invitations forthcoming.

7. Other

- Apprenticeship Programs
 - HVAC does not have an apprenticeship program. Apprenticeships are not an industry norm.
 - Past apprenticeships (Perrigo & American Axle) were and are successful.
 - Still a big push to have apprenticeships.
 - Needs further discussion.
- EPA testing discussed. Certification test may be required before a student can work on equipment in a lab setting for new refrigerants that are mildly flammable.
- Ideas - Formalize a process that allows students to work with employers.
- UA Local 357 briefly discussed.

8. Next meeting: Thursday, November 2, 2023 at 12:00 p.m. Tech Wing. Lunch provided.

9. Adjournment: 1:24 p.m.

Motion: Rob Vander Weele Second: Luke Vanderhill