

Riverside City College
CTE Advisory Dinner
10-9-2019 • 530-730 p

Break-out session for Air Conditioning/HVAC/EST/BESP

In attendance:

Don 'Ajene' Wilcoxson, Associate Dean, CTE

Casandra Greene (Instructional Programs Support Coordinator, RCC)

Robert Holland, Sunbelt Controls

Steve Di Memmo, SJ Renovation, Inc.

- I. Introductions
- II. Curriculum Changes
 - a. EST Discipline Inclusion
 - i. Discussion on the creation of the Energy Systems technology discipline at RCC due to a regional movement for Zero Net Energy.
 - ii. Robert indicated he was familiar with this and had worked with other groups on ZNE.
 - b. EST Courses
 - i. Discussion on the courses being created under the EST Discipline includes codes and blueprint reading courses.
 - ii. Members agreed this was necessary, specifically the codes courses. They stressed the importance of not only teaching codes, but how to stay current as codes change. Course should include when and where to look up current.
 - iii. Members commented that at some point it would be beneficial to add an advanced blueprint reading course that would include cost estimating of materials based on blueprints.
 - iv. Members asked about plans to teach fire suppression courses. This is a highly needed specialty in the construction field. There is a need for more employable workers.
 - v. Robert asked that he is sent CORs to more closely review the course content.
 - c. Air Conditioning Courses
 - i. Members stressed the importance of teaching hands on material. They felt that most schools are teaching more theory and not the installation and repair components.
 - ii. Discussion about moving from 5 unit to 3 unit courses.
 - d. Programs – Certificates and Degrees
 - i. Members reviewed certificates and degrees:
 1. Zero Net Energy Certificate
 2. Building Automation Technology

3. Building Inspection Technology
4. Residential Installation
5. HVAC Residential Technology Certificate and Degree
6. HVAC Commercial Technology Certificate and Degree
7. Building Energy Systems in HVAC Technology Degree

Members agreed unanimously that the proposed certificates and degrees were applicable to the industry and that they should all be moved forward.

- ii. Members suggested a need for the following certificates and degrees in the following areas:
 - a. Construction Management Degree
 - b. Building Inspector Training Degree that aligns with getting a certification from the state.
 - c. Suggestion was made to contact the State Licensing Board to see if it was possible to count an associate degree towards the 4-year work experience requirement to reduce the amount of time a worker had to be in the field and replace it with education.
- e. Apprenticeship

Members discussed a possible Apprenticeship program with Ajene Wilcoxson.

 - i. Grant has been awarded to RCC and an apprenticeship program will be moving forward.
 - ii. Ajene recently met with journeyman to begin discussions about a potential program.
 - iii. Members brought up the concern that an apprenticeship program may cause increased cost to employers and questioned their willingness to participate.
 - a. One suggestion is to model the program after similar existing programs where the state (or in the case of RCC – the college) pays a portion of the salary, in addition to the student being covered under the college insurance instead of the company's worker's comp.
 - b. Incentives must be identified for a company to be willing to participate.