



## College of the Redwoods Welding Technology Advisory Committee Minutes

September 20, 2018; 3:00PM | *Meeting called to order by* Danny Walker and Mike Goodwin

### In Attendance

Danny Walker, COR; Jerry Goodrow, COR; Mike Goodwin, Airgas; Kerry Mayer – COR CE Dean; George Koumarianos, BT Metals -Bay Tank; Bryan Shoneman, INK People Arts Center; Chuck Snowden, Retired COR; Fred VanVleck – Eureka City Schools; Chris Albright, O&M Industries; Jack Sheppard – HCOE,

### Approval of Minutes

The minutes from the January 2018 meeting were read and approved.

### Old Business

Danny updated the committee on progress since the last meeting. Key Takeaways:

1. Danny reviewed the Facility Tour done earlier in the year at the recommendation of the committee, visiting Shasta College, Butte College, and Yuba College. The purpose was to gain an understanding of the process to acquire funding to build the program and engage COR administration in support of CTE Efforts. Some take aways:
  - a. Butte College makes and sells nut bins for the industry to help fund projects
  - b. An idea was floated to offer Recology dumpster repair services to help fund projects.
2. The Welding Lab invested \$ 98,000 in Measure Q finds for equipment upgrades which included:
  - a. New Multi-process Welders and workstations
  - b. New fire brick for the Oxy-Acetylene bank
  - c. Layout Upgrade
3. Having gained additional space once used by the Diesel Technology program, Danny and Jerry are working with Admin on a plan to set up the area and relieve the space pressure of the current lab layout.
4. Funding Update
  - a. Balance of the funding (\$ 58,000) still available for additional projects.
  - b. Johanna Helser is COR Strong Workforce Grant Manager.
    - i. Working with Jerry and Danny on the Tiny House Project (See below)

### New Business

Discussion Topics:

1. Kerry Meyer has been selected as Dean of the CTE-WT and is excited to help develop COR into an outstanding program. Her presence in the committee meeting was welcome and the group looks forward to working with Kerry.

2. Student Enrollment – currently 100 Students in 5 Classes per semester.
3. Part Time Position Still Vacant – The job is posted and interviewing is ongoing for full time and part time faculty needs.
  - a. Minimum requirements: AA Degree and 6 years work experience.
  - b. Kerry appealed to the group for suggestions on whom to approach locally to take on 1-2 classes per semester.
  - c. A class on Saturday is being considered, as is an expanded summer offering.
  - d. Bryan Shoneman expressed an interest in learning more about this opportunity.
4. Welding Technology Program Review
  - a. American Welding Society (AWS) Certification
    - i. Danny mentioned the cost is \$ 1,700 to certify COR as an approved AWS institution.
  - b. Tiny House Project – Jerry provided a brief overview of the project.
    - i. In cooperation with Construction Technology and the Art Department, the COR Welding technology program is setting up to build the 8'x20' trailer for the first Tiny House Project.
    - ii. They already have the engineered drawings for the trailer and are considering the use of the Diesel Tech space for the build out.
    - iii. There are seven stages of the build which will involve 7 stages and take 16 weeks to finish.
    - iv. Chris Albright brought up the McKinleyville HS had a similar project and suggested an interchange of ideas for best practices.
    - v. Final approval by the CHP for road worthiness is required.
5. Forklift Need
  - a. Danny discussed the need for a 6000 lb. capacity forklift for the WT department. Currently they have to borrow a forklift to move heavy supplies and equipment.
    - i. RECOMMENDATION: Secure RFQ's from suppliers for a CARB Compliant forklift. Secure funding exploring Strong Workforce Funding, or consider Measure Q funding or a combination of both to make the purchase.

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## General Discussion and Recommendations

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The committee had an active discussion on a number of topics relevant to the above discussion points. Briefly:

1. Business Outlook/Strong Workforce Funding
  - a. Currently, it is estimated that in the next five years 65% of the skilled workforce will be retiring leaving a demand that will be a challenge to fulfill. States and communities are trying to close this gap and available funds for CTE programs are now on the table.
  - b. The committee recommends CTE group should keep up the effort to identify needs that can be quantified and submit funding for same.
    - i. FORKLIFT – Already reviewed.
      - Facility Upgrade - Danny mentioned that COR maintenance has been holding up certain improvements in the lab due to lead in the paint and asbestos in the walls. The electrical connections in the shop are old and costly to maintain. New equipment must be modified to adapt to the connections.
        - a. RECOMMENDATION: Instead of working around these challenges, the committee advises that plan for remediation be developed to remove these dangerous conditions, with quotes secured and requests for

funding applied and funded and action taken asap. The health and safety of COR personnel and students should be the paramount motivator.

2. Kerry raised the question to the group on how COR can support local industry. This is important as funding formulas are changing and future funding will be based on the success of the program measured by the number of graduates who find jobs after graduation or certification. This led to an active discussion of what exactly is needed with the following input highlights:
  - i. George mentioned that Bay Tank/BT Metals will pay for certification for employees to keep them on board. New employees need to be able to weld proficiently using dual shield process, and stick.
  - ii. Chris at O&M said there is a demand in his business for welders who can do basic stick welding not just horizontally, but vertically and overhead too.
  - iii. Bryan mentioned that it's also important to offer re-training for disabled folks to help them secure gainful work.
  - iv. Mike, Chris and Jack discussed the need for a Math for Trades type of programs as many folks come into the classes with a lack of basic math skills and practical skills such as reading a tape measure, or basic blue print reading. Jack mentioned a course he took a COR some time ago that taught these skills. Kerry said that the Math Department is helping and she will look into how that pre requisite is developing.

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### Next Meeting

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TBD in 6 months, COR Meeting Room

Motion to Adjourn was made at 5:00 PM and approved.