

CITY COLLEGE OF SAN FRANCISCO- May 2011

MONTHLY HIGHLIGHT (Narrative, min 250 words, most important event to your Center this month)

The CCSF-ATTE program has helped re-establish the summer school program at the Evans Avenue campus. This campus had been closed the last several summers for budget reasons.

Several ATTE-related courses have had high interest and enrollment. Also, the ability of interested students to enter the PV Installation course was limited if they did not have electric experience or had not taken the CCSF Residential Wiring pre-requisite course. During the Spring semester, ATTE staff participated in regular discussions with the Construction and Auto program dean and college administration as to alternative ways in which the needs of these transportation and energy programs could be addressed.

Using funds from our US Department of Energy Hybrid and EV Training grant, we were able to provide an automotive course in Hybrid Vehicles Maintenance and Alternative Fuels. This is a regular auto program course that is fully subscribed by students in this field. It is being taught four mornings each week for the full 8 ½ week summer schedule.

Using General Funds, the Construction program is supporting a Residential Wiring course being taught four evenings each week. About 20 students are participating, some taking the course for credit and others enrolled on a non-credit basis. At the start of the course, a small number of students had intentionally enrolled to fulfill the PV Installation pre-requisite. As the class has progressed and more students have learned about the PV course option, interest in enrolling in that course in Fall Semester has increased. The mix of grant-funded and General-Fund funded courses has proven an effective means to keep our facility in operation while benefiting students in these and other programs available at the campus through the summer.

Cerritos College

For the month of June the Cerritos ATTE Center continued to develop outreach to develop relationship into the energy sector. Recent developments with USGBC and SBWIB is allowing us to reach out to businesses. Also this month our relationship with EL Camino College in receiving ETP funding for training on alternative fuels. This contract will also allow other ATTE Centers to participate and offer training in their specialized areas where training dollars are difficult or even unavailable. This will allow ATTE to reach out into other areas to meet the initiative's requirements.

College of the Desert

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A highlight during the month of June was the meeting with Jay Geldmacher, Executive Vice President of Emerson, Inc. Mr. Geldmacher and his team met with COD's Vice Presidents, the Foundation Director, Executive Director of Institutional Effectiveness, COD's lead automotive instructor, and the ATTE Center Director on June 23rd. The discussion centered on Emerson's international business platforms and nexus points with COD's educational programs. After brief presentations by COD staff, Mr. Geldmacher and his team were most interested in the renewable energy programs underway through the ATTE Center. He indicated a desire to provide support to these efforts and partner with us on future, mutually beneficial initiatives. Emerson is a major manufacturer and developer of renewable energy products, as well as process control systems for energy and chemical plant operations. The ATTE Director has been asked to follow-up with Mr. Geldmacher and to cultivate future program and financial support.

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Long Beach City College

MONTHLY HIGHLIGHT

LBCC Presents Heavy Duty Hybrid Training

LBCC contracted with the Southern California Regional Transit Training Consortium to present 4 days of Hybrid bus training on the ISE Hybrid system to transit agencies in Southern California. This program has been several years in the making due to repeated failed attempts to launch a training program and the failure of ISE Corporation.

There are several transit agencies in SCR TTC who have purchased the gasoline hybrid bus platform from ISE Corporation and have had them in service for up to 5 years now with little training. Unfortunately, ISE filed Chapter 11 and went out of business leaving a void in training on this product which has resulted in a lack of reliability. Several bus manufacturers have built versions of this hybrid bus and ISE provided some limited training which in many cases was lacking the information needed to safely repair these units. The corporation was sold off in the courts with New Flyer purchasing the hard inventory and another company purchasing the intellectual and corporate property which included all the networked software and logic that makes the system operate. The techs were never included in the logic or software as ISE kept this information to themselves.

New Flyer is one of the larger volume manufacturers of the ISE Hybrid so they took on the job of building the training program and centered the training on their versions of the product. El Dorado and Orion also have versions that are similar and use most of the same components. LBCC was on the development and review committee for the training created and won a bid to deliver the training at Norwalk Transit which included techs from 5 different agencies and 2 community colleges outside our region.

This training was developed based upon the Long Beach Transit New Flyer bus. The system develops over 650 volts and can run on 350+ amps making the system VERY dangerous unless it is properly depowered and verified safe using specialized high voltage safety equipment. Further, many of the components are on the roof making access a very carefully arranged OSHA approved egress using special safety harnesses. We were able to provide this training using the proper equipment and procedures.

As the training progressed, much of the material had to be interpreted regarding the other manufacturer's similar platforms in order to remain relevant to all technicians. We had 20 technicians eagerly involved in the training and since this was one of the first offerings, there was a lot of lively discussion regarding issues and resolutions. AS an instructor facilitating this learning experience, we were able to get a lot of insight into these issues and provide feedback on possible resolutions.

The training was well received by the techs with many requesting the needed software training which is to be included in the next sections being developed. LBCC is on the development team for these sections as we feel the electronics and diagnosis portions of the program are most important. We intend to share this info with our partners in Contra Costa and Skyline Colleges to bring this training statewide at the college level. We had faculty from Saddleback and Cuyamaca College in this class already.

San Diego Miramar College

MONTHLY HIGHLIGHT

The ATTE Center completed its technical training program under contract with the Southern California Gas Company. However, based on the need for additional training and the quality of work completed by the Center and its consultants, the Center received a \$46,000 contract extension. The extension is set to be approved at the San Diego Community College District July 7 Board meeting. Future training programs are in the process of being scheduled.

RIO HONDO COLLEGE

MONTHLY HIGHLIGHT

Rio Hondo College ATTE Center hosted a 4-day, 32-hour Solar Water Heating System Training Seminar on June 7, 2011 to June 10, 2011. The seminar was sponsored by several manufacturers, and was coordinated by the Solar Water Heating Center for Sustainable Energy, San Diego, CA. Approximately 25 people attended. In return, the Center donated a total of approximately \$31,000 in materials, tools, equipment, and construction labor to the Rio Hondo ATTE Center.

West Valley College - June 2011

MONTHLY HIGHLIGHT

The West Valley College ATTE is completing the training aspect of our agreement with the California Employment Training Panel as part of their High-Wage High-Skill Training Program. The Energy Management Program includes three modules within each course. The modules are Introduction to Energy, Energy Efficiency and Renewable Energy. Classes started June 13, June 16, and June 21, each running for 110 hours. The first two are day classes and the third is a night class that also meets on Saturdays. Students are currently unemployed individuals, in total 63 62 students enrolled in the 3 classes. Upon completion of the course, students will receive a Certificate of Completion and be given the opportunity to utilize our job placement services. The ATTE is in the process of planning a job fair to bring together our students with employers who have current job opening – in the hopes of helping our students find relevant job leads.