



VOLUME **6**
NUMBER **4**

Getting It* Done

With **Environment, Health, Safety & Homeland Security**

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*Business Solutions & Workforce Training

*Delivered Through
Community Colleges
and Their Partners*

Initiatives of
Economic & Workforce
Development include:

Advanced Transportation,
Technology & Energy
Applied Biological Technologies
Performance Improvement
Environment, Health, Safety and
Homeland Security
Health Care
Multimedia & Entertainment
Applied Competitive Technologies
International Trade
Small Business Development
Workplace Learning

LA/ORANGE ETC Helping Southern California Recover from Wildfires

In October, 2007 California wildfires burned over 500,000 acres of which more than 100,000 acres were in Los Angeles and Ventura Counties. There was an immediate need to plant trees to stabilize the land. The counties turned to the Los Angeles Conservation Corps (LACC) for trained workers and LACC turned to LA / Orange Environmental Training Center (ETC) for training.

According to Perla Fickenscher, Director for the LA/Orange ETC, the center had been training LACC recruits in Environmental Technology and OSHA (Occupational Safety and Health Administration) Standards for its Brownfields program for several years. One of the instructors, Ionie Wallace, was able to put together an 8 hour class with portions of her OSHA class and additional materials specifically suited to working in burned areas (such as protection from heat and snakes). Two hundred and twenty-five workers took the training in seven classes between

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Graduation at Los Angeles Conservation Corps (LACC).

SOUTH COAST ENVIRONMENTAL TRAINING CENTER

Ambulance Simulator a First in the State

Allan Hancock College's Emergency Medical Services (EMS) Academy, with support from the South Coast Environmental Training Center (ETC), has achieved another first in the state by creating an ambulance simulator for the academy. Students now experience "house-to-hospital" training in a realistic simulation station without leaving the classroom.

"What is unique about this training prop is that no other community college within the sphere of our knowledge possesses one," said EMS Program Coordinator Mike Messina. "This simulator, not unlike a driving simulator or a flight simulator, exposes our EMS students to a realistic emergency environment while learning in a safe and secure setting."

The unit has been modified with lights, audio and other details to create a simulated emergency transport of a sick or injured patient. Scenarios can be set up to recreate an accident where one or more persons are injured and lying on the

ground. EMS students "respond" to the calls and "assess and treat" the injured. They can transfer a manikin to a gurney and into the ambulance where pneumatic lifts simulate bumps in the road and blaring sirens create the noisy environment they will have to deal with.

The high-tech manikins "breathe" and have pulses and heartbeats. They can be put into a simulated cardiac arrest. Their pupils can be dilated or constricted. Instructors can make the manikin "talk" via a remote microphone. "A student will say, 'where do you hurt?'" Messina said. "We will say (through the manikin), 'my left leg,'" for instance.

Instructors monitor the action through videos sent to a computer in an adjacent room, which are later shown to students to give them feedback. Students talk on the radio to the instructors as if they were talking to the hospital. They can check the manikin's pulse, administer drugs and give "oxygen." When they "arrive" at the hospi-

tal, they transfer the manikin to the "Emergency Room" in a corner of the building.

The ambulance simulator was created by modifying a box-type ambulance donated by American Medical Response of Sonoma. The local AMR organization's donation of this and four other ambulances has made Hancock's advanced program possible. "We could only be the first in the state to offer the academy with the help of agency partners such as AMR," Messina said.

Allan Hancock College is also the first college in the state to teach strike team leadership for purposes of mobilizing large numbers of ambulances to respond to man-made or natural catastrophic emergency medical events.

"Allan Hancock College was picked by the California EMS Authority to be the charter college to develop a strike team leader course and deliver it to other colleges throughout the state," said Messina. A strike team consists of five pieces of like equipment (ambulances, for instance), a leader, team members, and a common communication source. Some of the students trained at Hancock were AMR strike team leaders who responded to Katrina and the recent wilderness fires in Southern California.

For more information about the college's EMS Academy, call (805) 922-6966 ext. 3282 or email mmessina@hancockcollege.edu.



Shown above are college staff members Shane Fabie, bottom left, and Coy Briscoe, top left, assisting academy students Scott Barrett and Chelsie VanderMolen in offloading the program manikin that was intubated during a testing scenario inside the simulator.

BAY AREA ETC

Assisting Area Colleges to Comply with Emergency Management Compliance

Michael Hall, Director of the Bay Area Environmental Training Center-BAETC in conjunction with Frank Ramos, Dean of Emergency Services at Mission College have teamed up to assist regions three and four colleges in emergency management compliance.

Their efforts to date include hosting a Campus Emergency Operations Plans workshop at Mission College and the planning and development of a Campus Community Emergency Response Team-C-CERT "Train the Trainer" scheduled for January, 13-15, 2009 at Mission College. Mission College will be utilizing the C-CERT Train the Trainer to prepare and launch their C-CERT team.

Both Frank and Michael have developed a manual and PowerPoint presentations that assist College personnel in completing the SEMS/NIMS Incident Command. The manual will walk you through the on-line training and can be used for face to face training. One of the primary objectives of the training is to prepare College personnel to be a designated state disaster service worker and to respond to emergency events at their campus pursuant to California State Government Codes 3100 and 3101.

The curriculum is currently being Beta tested on Mission College's personnel and will be ready for other colleges in early 2009.

For more information call (408) 855-5584 or email Michael@EnvTraining.org



Summit Promotes “Green Technology”

The Bay Area Environmental Training Center (ETC) actively participated in the recent California Community College sponsored Green Summit held in Pasadena. The event focused on what California’s state and local governments are doing to create healthy communities and promote “Green Technology”. The field of “green technology” encompasses a continuously evolving group of methods and materials, from techniques for generating energy to non-toxic cleaning products.

The Bay Area ETC is assisting Mission College in the development of a “College Green Team” which will first focus on the following areas

- Greening the campus
- Infusion of Green into curriculum
- Explore potential “Green Majors”

The Bay Area ETC Director is working with Jackie Slabaugh, Tech Prep Coordinator on a survey to gather information regarding high schools and middle school instructors needs, interests in possibly starting a “Green Team.”

Some of the key aspects of Green Technology which could be incorporated into training curriculum include:

Sustainability

“Cradle-to-cradle” Design

SOURCE Reduction

Innovation

Viability

Sustainability – meeting the needs of society in ways that can continue indefinitely into the future without damaging or depleting natural resources.

“Cradle-to-cradle” design – ending the “cradle-to-grave” cycle of manufactured products, by creating products that can be fully reclaimed or re-used.

Source reduction – reducing waste and pollution by changing patterns of production and consumption.

Innovation – developing alternatives to technologies – whether fossil fuel or chemical intensive agriculture – that have been demonstrated to damage health and the environment.

Viability – creating a center of economic activity around technologies and products that benefit the environment, speeding their implementation and creating new careers that truly protect the planet.

For more information call (408) 855-5584 or email Michael@EnvTraining.org

Recovery from Wildfires

Continued from front.

February and April, 2008 and were immediately deployed to their tree-planting duties.

California’s National Guard contingent and local emergencies are requiring additional sources of disaster responders, such as the workers from LACC. LA/Orange ETC plays an important role in providing custom-designed curricula on a short term notice. Its standard curricula include courses in environment, health, safety and homeland security. These can be drawn on and added to in order to meet the needs of responders to hurricanes, floods, earthquakes, as well as fires. With its Brownfields program and now with its Burned-areas program, the LACC has an excellent track record of producing workers who are competent and committed. LA/Orange ETC looks forward to continuing to work with them on many future projects.

For more information call (714) 808-4620 or email Perla@EnvTraining.org

“Your Career Path Starts with Your First Job”

The third annual Career Day, titled “Your Career Path Starts with Your First Job” was recently held at the Anaheim Convention Center. Over 1,100 high school students explored career options in a variety of different industries. Each student could select up to four different industries to explore or focus on a single industry sector. Students went from breakout sessions on graphic design and animation to sessions where they learned about careers in the environmental industry.

Over 70 businesses and colleges participated in the program to provide students opportunities to identify career possibilities. The LA/Orange Environmental Training Center (ETC) was one of the program sponsors of the Vital Link’s event. Vital Link is a non-profit organization that provides creative and professional programs that focus on leading edge job skills and job development curriculum. They reach over 25,000 students each year through The Career

Exploration Programs, support services, and use of the Vital Link curriculum. They encourage students to make the connection between their education and their future career path.

As a sponsor of the event, the LA/Orange ETC provided the students with information in Health, Safety and Environmental Career Opportunities. Students were provided with information about the highly competitive global economy and how high school graduates must continue to distinguish themselves with exceptional performance and unmatched professionalism. Standards

and expectations of business’ were explained in detail.

According to the Office of Occupational Statistics and Employment Projections, Bureau of Labor Statistics, a projected change in percentage from 10% in 2006 to 28% in 2016 for environmental science and protection technicians, including health, is anticipated. The quartile rank by 2006 median annual

over

1,100

high school students exploring career options in fast growing industries



wages is between \$30,630 to \$46,300 requiring an Associate degree.

As explained at the Career Day event, Homeland security is a dynamic and diverse career field. Like security threats themselves, the work required to protect the Nation is constantly changing. Homeland security jobs cross numerous disciplines, creating job possibilities for people with nearly any level of education and experience. Options exist for those who like to be in the forefront and for those who prefer to work in the background. Nonprofit organizations are a source of homeland security employment. A nonprofit environmental organization, for example, might investigate the best ways to clean up a site that has been contaminated by a chemical or biological agent. And educational institutions employ people who teach and conduct research on a number of issues related to homeland security.

For more information call (714) 808-4620 or email Perla@EnvTraining.org

Environmental Compliance Counseling

On-site assessments and audits

Workplace Safety Compliance

Solid and hazardous waste source reduction plans and programs

Pollution Prevention

Effective safety and environmental management committees

Emergency Response Training

Hazardous Communication Plan

Injury Illness Prevention Plan

Evaluation and analysis of compliance documents including Emergency Response, Business / Contingency Plan, Hazardous Communication Plan, and Injury Illness Prevention Plan.



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