














# Bay Area Community College Response To The Emerging New Energy Sector

The colleges below are partners in the **NEW ENERGY WORKFORCE (NEW) Initiative** – a consortium of community colleges working together to respond to industry’s current and emerging new energy workforce needs.

 <p><b>ECONOMIC &amp; WORKFORCE DEVELOPMENT</b> through the CALIFORNIA COMMUNITY COLLEGES</p>	<p><b>DE ANZA COLLEGE: Center for Applied Competitive Technologies</b> Overseeing a Silicon Valley Solar Industry-Driven Regional Collaborative (IDRC) Grant for Solar Photovoltaic Panel Installers. This is a strategic regional response to meet the need for a skilled workforce in photovoltaic solar system design and installation. Partners: Silicon Valley Leadership Group, SolarTech, Nova WIB, and Mission, San Jose City, Cabrillo, West Valley, and Ohlone community colleges. De Anza’s Environmental Studies program housed in the LEED certified Kirsch Center is developing a Solar PV program for fall 2008. <b>Contact:</b> Rick Kuhn, <a href="mailto:KuhnRick@fhda.edu">KuhnRick@fhda.edu</a>, (408) 864-8302</p>
 <p><b>Silicon Valley Workplace Center</b> 3800 Mission College Blvd. Santa Clara, CA 95054 (408) 855-5201</p>	<p><b>MISSION COLLEGE: Silicon Valley Workplace Learning Resource Center</b> Instrumental in creating the NEW Initiative; plays a critical role in insuring cooperation among community colleges, increasing their ability to agilely respond to the current trends in Clean and Green Technology. <b>Contact:</b> Bruce Whistler, <a href="mailto:bruce_whistler@wvm.edu">bruce_whistler@wvm.edu</a></p>
 <p><b>ECONOMIC &amp; WORKFORCE DEVELOPMENT</b> through the CALIFORNIA COMMUNITY COLLEGES</p>	<p><b>CITY COLLEGE OF SAN FRANCISCO &amp; WEST VALLEY COLLEGE: Centers of Excellence &amp; Advanced Transportation Technology and Energy Initiatives</b> Conducting a Solar Industry Workforce Study to:</p> <ol style="list-style-type: none"> <li>1. Identify solar firms in the Bay Area, their geographical concentration, size of firms and major sectors.</li> <li>2. Identify key solar occupations that are most relevant to community colleges.</li> <li>3. Develop projections of future employment growth and identify employer challenges in recruiting, hiring, and retaining their workforce.</li> </ol> <p><b>Contacts:</b> John Carrese, <a href="mailto:jcarrese@ccsf.edu">jcarrese@ccsf.edu</a>, (415) 267-6565; Jennifer Oliver, <a href="mailto:jennifer_oliver@westvalley.edu">jennifer_oliver@westvalley.edu</a>, (408) 741-2653</p>
 <p><b>CITY COLLEGE</b> SAN JOSE</p>	<p><b>SAN JOSE CITY COLLEGE</b> SJCC will pilot a new course in Green Construction in spring 2008 and just developed a new course to prepare students for entry-level jobs as photovoltaic system installers. This course will be offered beginning in March as part of the SV Solar IDRC grant. SJCC also offers training in Air Conditioning, Heating and Refrigeration, Facilities Maintenance Technology, and Construction Technology. <b>Contact:</b> Kathy Werle, <a href="mailto:Kathy.Werle@sjcc.edu">Kathy.Werle@sjcc.edu</a>, (408) 288-3781</p>
 <p><b>Cabrillo College</b> est. 1959</p>	<p><b>CABRILLO COLLEGE</b> A partner in the SV Solar IDRC grant Cabrillo will be offering Solar Photovoltaic Design and Installation (spring 2008); and Solar Thermal (fall 2008) courses. Other Cabrillo courses include Sustainable Buildings, Home Performance, and the Environment; and Fundamentals of Renewable Energy Systems. Cabrillo also provides coordination of the NEW Initiative. <b>Contacts:</b> Course info: Chuck Mornard, <a href="mailto:chmornar@cabrillo.edu">chmornar@cabrillo.edu</a>; NEW Initiative: Kitty O’Doherty, <a href="mailto:kitodoherty@gmail.com">kitodoherty@gmail.com</a>, (650) 560-9798</p>
 <p><b>BAY AREA</b> COMMUNITY COLLEGE CONSORTIUM</p>	<p><b>BAY AREA COMMUNITY COLLEGE CONSORTIUM</b> Awarded Cabrillo College a Mini-Grant for providing coordination of the NEW Initiative and to Foothill College for a Cleantech job skills survey. <b>Contact:</b> Sandra Mellor, <a href="mailto:mellor@smccd.net">mellor@smccd.net</a>, (650) 574-6173</p>

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 <p><b>Diablo Valley College</b></p>	<p><b>DIABLO VALLEY COLLEGE</b>                  DVC offers a course called Alternate Energy Systems and a Photovoltaic Systems Design and Installation course which is NABCEP approved. Students can take the NABCEP Entry Level Certification exam as part of the course. In January 2008, DVC hosted a “Train the Trainer” PV Design and Installation course for 26 community college instructors from around California in hopes of replicating DVCs successful model.  <b>Contact:</b> Tom Chatagnier, <a href="mailto:TChatagn@dvc.edu">TChatagn@dvc.edu</a></p>
 <p><b>CITY COLLEGE OF SAN FRANCISCO</b></p>  <p><b>ECONOMIC &amp; WORKFORCE DEVELOPMENT</b> through the CALIFORNIA COMMUNITY COLLEGES</p>	<p><b>CITY COLLEGE OF SAN FRANCISCO: Advanced Transportation Technology and Energy Initiative</b>                  Objective is to have a full Hybrid Auto Technician Maintenance and Repair course ready by fall 2008.  <b>Contact:</b> Gerald W. Bernstein, <a href="mailto:GBernste@ccsf.edu">GBernste@ccsf.edu</a>, (415) 550-4437</p>
 <p><b>WEST VALLEY COLLEGE</b></p>	<p><b>WEST VALLEY COLLEGE: Advanced Transportation Technology and Energy Initiative</b>                  ATTE, along with U.C. Davis and Air Stream, is developing 16 short courses in a heavy wind generation technician certificate program; ATTE offers customized training in compressed natural gas courses for mechanics, decision-makers, and emergency response personnel; and has completed DACUMs (training assessments) for both Light and Heavy Duty Hybrid Technicians, Solar Installers, and Biodiesel Production Technicians among others.  <b>Contact:</b> David Esmaili, <a href="mailto:david_esmaili@wvm.edu">david_esmaili@wvm.edu</a>, (408) 741-4693</p>
 <p><b>NAPA VALLEY COLLEGE</b></p>	<p><b>NAPA VALLEY COLLEGE</b>                  Developed an Energy and Sustainability course in General Education; Construction Technology instructor will become NABCEP Certified for a Solar Technician Training Course to be offered in fall 2009; Developing an Environmental and Energy Conservation Technology Certificate program; Currently researching Wind Energy Technician offerings.  <b>Contact:</b> Richard Della Valle, <a href="mailto:rdellavalle@cccwd.net">rdellavalle@cccwd.net</a></p>
 <p><b>CHABOT COLLEGE</b></p>	<p><b>CHABOT COLLEGE</b>                  Chabot College, in partnership with the Alameda County Joint Apprenticeship Training Committee (JATC), International Brotherhood of Electrical Workers Local 595, and the National Electrical Contractors Association (NECA) has implemented field training addressing the installation and maintenance of solar energy panels and power systems. The curriculum, developed by the National JATC, by one of the leading experts in this field, Jim Dunlop, is the standard of the industry.  <b>Contact:</b> Tom Clark, <a href="mailto:TClark@chabotcollege.edu">TClark@chabotcollege.edu</a>, (510) 723-6653</p>
 <p><b>PERALTA COMMUNITY COLLEGE DISTRICT</b></p>	<p><b>PERALTA COMMUNITY COLLEGE DISTRICT</b>                  Formed a Green Technology Cluster Group to work with industry to develop a Green Academy.  <b>Contact:</b> Ahmad Mansur, <a href="mailto:amansur@peralta.edu">amansur@peralta.edu</a>, (510) 277-2476</p>
	<p><b>These are just some of the efforts underway at community colleges throughout the state.</b></p>