

Green Building	<b>City of Portland Clean Energy Fund</b>	Worksystems co-chairs the Workforce Committee of the Portland Clean Energy Fund, nationally recognized as the first on-bill, self-financed model partnering a city with utilities. The City is using Recovery Act dollars to eliminate upfront costs associated with energy efficiency retrofits by offering low-interest, long-term financing. Through this partnership, all jobs created through this retrofit project will be posted with the region's public workforce development system, WorkSource Portland Metro, and Worksystems will invest in training necessary to address the demand for new workers as this project goes to scale. The partnership leverages and layers funding streams, coordinates strategies, resources and programs, links supply and demand and targets training and related resources to unemployed, economically disadvantaged and underserved community residents.
	<b>Greening Up the Trades</b>	The construction trades identified the need to provide training in green principles and practices for construction workers who have been laid off. In response, beginning with sheet metal workers, Worksystems is investing in training opportunities specifically designed to skill up unemployed workers to get them back to work sooner and make them that much more competitive when the demand picks back up. In response to a need identified by IBEW, Worksystems contracted with the NECA-IBEW Training Center to provide 250 incumbent apprentice electricians with training in Solar Energy, Photovoltaic Basics, and Advanced NABCEP Certification, including a thorough review of the installation, calculations, and code requirements of photovoltaic installation.
	<b>Increasing Regional LEED Training Capacity</b>	Worksystems is funding training for members of the Willamette Valley Carpenters Training Center Instructional Team that will lead to the US Green Building Council's Leadership in Energy and Environmental Design (LEED®) accreditation for each instructor. The goal of the project is to enable the WVCTC Instructional Team to become sustainable building experts and to develop, deliver and disseminate the first applied green building curriculum for union carpenters. This investment will result in over 100 hours of sustainable building training to as many as 150 carpenter apprentices and journeymen throughout Multnomah and Washington counties over the next 12 months.
	<b>Green Futures/ Green Building Pathway</b>	To prepare interested job seekers from all readiness levels and communities, Worksystems is working with industry skill panels and local training providers to build an articulated <i>Green Futures Pathway</i> , a continuum of training opportunities leading to employment in Green Building. Based on experience and aptitude, individuals can enter the pathway at various points to receive a range of academic skills remediation services, short and/or long term occupational training leading to certification or degrees. This program offers opportunities that are appropriate for people at various skill levels. It will offer a bridge out of poverty as well as an opportunity to retool highly skilled dislocated workers to take advantage of green jobs.
	<b>Green Building OJTs</b>	Worksystems is using On-The-Job Training (OJT) investments to provide area jobseekers who have some experience and training in the industry and an interest in a career in green building trades with access to employment with businesses involved in Green Building projects.

# Renewable Energy and Clean Technology

<p><b>Solar</b></p>	<p>As a result of the partnership between the Oregon Solar Energy Industry Association (OSEIA) and Worksystems, nearly 300 incumbent solar industry workers received one of five tracks of professional training at the Northwest Solar Expo (April 28th-May 2nd). The five tracks included courses on both residential and commercial Solar Photovoltaics, Solar Thermal, North American Board of Certified Energy Practitioners (NABCEP) pre-certification, and a Solar Business track. Of the workers who received this training, 130 took the test for their NABCEP Certification.</p>
<p><b>Wind</b></p>	<p>In partnership with the NW Wind Energy Coalition, Worksystems is identifying local companies in the wind industry supply chain and conducting research to define workforce training needs within the wind energy cluster in the region.</p>
<p><b>Clean Technology</b></p>	<p>Worksystems established a Clean Technology Skill Panel to guide regional investments in Clean Technology workforce training and development. Skill Panel members include CH2MHill, Inspiration Software, Intel, Energy Trust of OR, Ant Hill Marketing, Standard Insurance, Factory IQ, and IBM. The panel identified training needs for incumbent workers within the industry related to the following information technology subjects: Virtualization, Cloud Computing, Energy Consumption Measurement, Effective Management of People Separated by Time and Space, Choosing the Right Hosting Alternative and Extending IT Systems Management to the Physical Environment. Training will begin in September, '09 and run through-December, '09.</p>
<p><b>Utilities</b></p>	<p>Worksystems established a Utilities Skill Panel comprised of managers from the Bonneville Power Administration, Portland General Electric, Clark PUD, Pacific Power, and Northwest Natural Gas. The panel is identifying green technology jobs and skills required to be competitive for those jobs. Worksystems will invest in training opportunities for emerging workers through the Green Futures Pathways.</p>
<p><b>Green Futures/ Green Manufacturing and Technology Pathway</b></p>	<p>To prepare interested job seekers from all readiness levels and communities, Worksystems is working with industry skill panels and local training providers to build an articulated <i>Green Futures Pathway</i>, a continuum of training opportunities leading to employment in Green Manufacturing and Technology. Based on experience and aptitude, individuals can enter the pathway at various points to receive a range of academic skills remediation services, short and/or long term occupational training leading to certification or degrees. This program offers opportunities that are appropriate for people at various skill levels. It will offer a bridge out of poverty as well as an opportunity to retool highly skilled dislocated workers to take advantage of green jobs in manufacturing.</p>
<p><b>Greening the WorkSource System</b></p>	<p>Worksystems is developing a number of “green” training products that will provide job seekers of all ages and skill levels with a competitive edge in our increasingly green economy and culture. Among these products are:</p> <ul style="list-style-type: none"> <li>• Green Jobs Workshops offered at all WorkSource Portland Metro Centers to educate job seekers on the range of current and emerging opportunities, the functions and aspects of a job that makes it “green”, knowledge and skill requirements for those jobs, and training and job search resources and how to access them.</li> <li>• A modularized “Sustainability Curriculum” that covers sustainability principles, concepts, philosophy and practices that can be inserted into any existing program of training or course of instruction. Additional curriculum covers the application of sustainability principals in Manufacturing, Healthcare, Office and Green Building industries. These curriculum modules will be available in August '09.</li> <li>• Regional Business Services staff with specialized knowledge of green and sustainable practices and training resources in targeted growth industries.</li> </ul>