

**ODJFS**  
**Office of Workforce Development**  
**Technical Assistance Unit**



**Green Jobs Happenings in Ohio**

*Quote for the day....*

*“Inspire yourself and everyone around you...planting one good deed at a time...  
for the good of the earth and its people...”*

*anonymous*

*Approach ...*

The Technical Assistance Unit is focusing on Green Jobs initiatives. Our role is to share best practices and to offer information to the workforce development community on innovative models. The Labor Market Information Bureau is also engaged in an extensive research project that involves identifying and cataloging Green Jobs. This report shares information gathered during mid June from the workforce development community. Our unit will continue to benchmark best practices across the state and nationally. Stay tuned for more information...

**Central Ohio Region**

**Program Name:** **Earth Crew**

**Location:** POET Biorefining, 1660 Hillman Ford Road, Marion, OH 43302

**Program Type:** WIA Summer Youth Work Experience

**Program Description:** POET is a private sector host worksite offering participating youth exposure and work experience in various areas of “green” technology.

**Unique and Exemplary Attributes:**

- Newly constructed alternative energy facility (2008)
- Employer utilized the full component of One Stop services to plan, recruit, assess, and hire 100% of plant employees.
- Plant manager is a member of the county workforce board.

**Contact Person and Information**

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**Program Name:** **The Electrical Trades Center**

**Location:** 947 Goodale Blvd., Columbus, Ohio

**Program Type:** DOL approved registered apprenticeship program

**Funding Level:** Privately funded via collective bargaining agreement



**Program Description:** State of the art training in solar photovoltaic systems site preparation, installation, and maintenance. State of the art training energy control systems leading to increased energy efficiency in new and existing structures.

**Unique and Exemplary Attributes:**

- Award winning apprenticeship program provides associates degrees at no cost to the participant via a dual enrollment agreement with Columbus State community College.
- Program provides cutting edge training to assure employment in a changing economy.
- Ideal labor, management, post-secondary partnership.

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**Southwest Ohio Region**

**Program Name:** **Green Ohio Corps (GO Corps!) and Weatherization Works Corps!**

**Location:** Barney Quilter Civilian Conservation Corps 1518 East CR 113, Green Springs, Ohio

**Program Type:** Green Jobs Training in Energy Efficiency, Housing Rehabilitation and Weatherization

**Funding Level:**

\$190,000 - (Targeted Investment-Congressman Zack Space)

\$423,500 - The National Association of Service and Conservation Corps (CNCS Americorps Recovery Funds)

**Program Description:** Community Action, in partnership with the corporation for Ohio Appalachian Development (COAD), Ohio Partners for Affordable Energy (OPAE), and the Corps Network (formerly National Association of Service and Conservation Corps) are gearing toward re-energizing the Civilian Conservation Corps, inaugurated by Franklin D. Roosevelt during the Great Depression, with an emphasis on “twenty-first century green collar skills” in Ohio.

Maintenance and improvement of public lands is remaining part of the Corps’ remit along with a special focus on providing “greener pathways out of rural poverty”. The program is recruiting and training 88, 18 to 24 year olds with barriers to employment, and making a difference in our environment. Corps members will prepare for the exciting, growing public sector and green private sector careers in the environmental and energy fields.

**Unique and Exemplary Attributes:**

- Programming includes training through the Ohio Weatherization Training Center (OWTC), which trains all field energy efficiency and weatherization staff in state-of-the-art building diagnostics, weatherization and heating systems.
- Community service component is a part of the program.
- Youth (18-24) can receive an Educational Award after 900 hours of services is completed.
- Each Community Action Agency that is involved with the programs has committed additional funding through Community Service Block Grants or Home Weatherization Assistance Program funds.

**Contact Person and Information**

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**Program Name: OIC of Clark County Summer Youth Employment program**

**Location:** Worksite Location of Snyder park, Springfield, Ohio

**Program Type:** OIC are doing landscaping, recycling, graffiti removal, building maintenance, and painting

**Funding Level:** \$600,000 in WIA Stimulus Funds

**Program Description:** OIC is employing 120 to 150 area youth ages 14 to 24 that are all WIA eligible. There is a partnership with approximately 25 local companies and non profit agencies that will supply jobs for all of the youth in our program. There are recycling projects at each job site.

**Unique and Exemplary Attributes:**

- Restoration of Snyder Park, the largest metro Park in the state of Ohio and is 114 years old.
- Partnering with National Trails who manages the park to help with landscaping, recycling, graffiti removal, building maintenance, and painting.
- Approximately 20 youth working in the park all summer long learning job skills in the types of work we are conducting.

**Contact Person and information:**

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**Program Name: Greene County DJFS/GreeneWorks Employment & Training**

**Location:** The worksite and On-the job training (OJT) are through DanCraft Construction in Troy, Ohio

**Program Type:** OJT program via Workforce Act (WIA)

**Funding Level:** Dislocated worker program through Title III funding of the workforce Investment Act (WIA)

**Program Description:** Training and on hands application of “green” technology as adaptable to current & future construction projects.

**Unique and Exemplary Attributes:**

- Exploration of renewable energy sources/sites
- Working in conjunction with the Future Energy and Conservation center located in Brookville, OH.
- Center has wind turbines already set-up and has been visited by Governor Strickland

**Contact Person and information:**

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**Program Name: Turning Point Applied Learning Center, Inc.**

**Location:** 110 Homestead Ave., Hillsboro, OH 45133

**Program Type:** Employment Training for Disadvantaged Appalachian Residents and Ex-Offenders

**Funding Level (if applicable):** This program has been funded by the USDOL ETA (Small Grassroots Organizations Connecting with the One-Stop), USDA Rural

Development, Appalachian Region Commission and the OSDJF Bureau of Justice Assistance in addition to state, local and private sources. Our annual operating budget is \$507,000.

**Program Description:** Turning Point that provides paid training for participants who learn and use skills in agriculture, marketing, machine operation, welding, riveting, horticulture, irrigation and plant propagation, shipping and receiving, warehousing, construction, life skills, soft skills and GED preparation.



**Unique and Exemplary Attributes:**

- Our two and a half acre “Community Garden” is one of several work component activities at available to participants at Turning Point.
- Plant materials and site preparation activities were donated or provided by several community partners.
- Harvested vegetable produce will be donated to several local food banks, the homeless shelter and low-income families in our service area who have been particularly impacted by the recent DHL closing that created 6,000 unemployed workers.
- Specialty fruit crops will be marketed at our local farmer’s

market giving participants additional opportunities to learn customer service and marketing skills.

- Participants are referred to Turning Point from local DJFS partners, Community Corrections and Adult Parole Authority. Thirty WIA eligible youth ages 16-24 will also be enrolled in this program this summer.

**Contact Person and information:**

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**Northwest Ohio Region**

**Program Name: Photovoltaic (PV) Principles**

**Location:** Owens Community College, 30335 Oregon Rd, Perrysburg, Ohio 43551

**Program Type:** WIA Individual Training Accounts for Program Participants

**Funding Level (if applicable):** Small amount of funding



**Program Description:** The Owens Community College, located in Toledo, Ohio, offered and application 5-day training program for anyone interested in learning photovoltaic (PV) installation and integration with utility-based or off the grid power systems. For those considering becoming a PV installer, the Owens hand-on program on PV market opportunities, design problems and considerations also discusses the requirements of the North American Board of Energy Practitioners (NABCEP) certification program, and also the Great Lakes Renewable Energy Association (GLREA) advanced training.

**Unique and Exemplary Attributes:**

- In 2007 for a second year in a row, the First Solar manufacturing plant at Perrysburg, Ohio produced more solar panels than any of the 30 other solar plants in the U.S.
- The University of Toledo’s thin-film solar research effort was ranked 3rd nationally.

**Contact Person and information:**

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## **Northeast Ohio Region**

### **Program Name: Schmack BioEnergy – OARDC – ATI Collaboration**

**Location:** The Ohio State University's Ohio Agricultural Research & Development Center (OARDC) campus in Wooster, Ohio

**Program Type:** Biomass Waste to Energy

**Funding Level (if applicable):** Data not submitted

**Program Description:** Schmack BioEnergy is recycling energy in North America from organic wastes. Based in Cleveland, Ohio, Schmack is a full service waste management and renewable energy company with extensive experience in Europe and a superior laboratory and engineering facility at The Ohio State University's Ohio Agricultural Research and Development Center (OARDC) campus located in Wooster, Ohio. Schmack's technology partner, Schmack Biogas has over fifteen years of experience in Europe and over 300 plants operating or in design/under construction worldwide.

Schmack brought this proven technology to Ohio to build an industry. Ohio is the ideal location for America's anaerobic digestion industry because of its rich history in both agriculture and manufacturing. In 2008, Schmack relocated its Engineering & Laboratory Offices to The Ohio State University's OARDC campus in Wooster, Ohio, to collaborate with the largest university in bioscience research center in the nation. This private public partnership combines agricultural and biological research with an emerging industry in Ohio.

Schmack's lab works in coordination with professors, researchers and students affiliated with The Ohio State University. Our collaborative relationship with OARDC includes research, biological management, biomass analysis, biogas potential, and complete validation of each system. Together, we are building the foundation for a new service and component manufacturing industry that will bring green collar jobs to Ohio.

#### **Unique and Exemplary Attributes:**

- Schmack University Program – Agricultural Technical Institute (ATI): To make this industry a success, we have recognized the need to begin preparing the next generation of technologists to work with renewable energy platforms. A new Schmack University Program @ ATI is being created to train students for jobs in this emerging industry. Schmack will build two full-scale *ecoFARMsystem 550 (F550)* plants on campus in 2009/2010; one on the OARDC campus and one on the OSU ATI campus.
- These plants will serve as demonstration facilities for the technology's application in an agricultural setting and as a practical application learning experience for students. The proposed Schmack U course will include classroom training and practicum at Schmack's OARDC Laboratory facility and the F550 facilities.
- A DRAFT course syllabus is currently under review.

#### **Contact Person and information:**

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### **Program Name: Cuyahoga Community College Pathways to Green Jobs**

**Location:** Cleveland, Ohio

**Program Type:** Training and Career Development for existing and emerging "Green Job" industries

**Funding Level (if applicable):** Funding to date: \$192,000

**Program Description:** The program creates pathways for adult learners to education, jobs and careers in green job industries. Participants are prepared to meet the current and future needs of employers in the renewable energy supply chain, emerging deconstruction industry and the “greening” of the construction trade. Program focus: energy performance retrofit; solar installation; wind technologies and deconstruction.

**Unique and Exemplary Attributes:**

- Specifically developed for individuals who currently face barriers to employment, including ex-felons, single women with children, individuals receiving public assistance, and other disenfranchised populations.
- Open to unemployed residents in Cuyahoga County.
- In addition to technical training, the program includes “soft skills” instruction, linkages with supportive services, and “stackable skill certificates.”

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**Program Name: Veterans Education and Training for the Renewable Energy Economy Initiative**

**Location:** Cuyahoga Community College

**Program Type:** Postsecondary Education – Workforce Training-Veterans

**Funding Level (if applicable):** \$464,957.55 requested from Dept of Labor - decision expected before July 1, 2009

**Program Description:** Cuyahoga Community College’s Veterans Education and Training for the Renewable Energy Economy Initiative was developed as an employer- focused program to identify, train, and place veterans in high-demand green energy jobs in the automotive and (wind turbine) manufacturing industries. The College will provide counseling, training, employment, and job retention services for veterans seeking Green Energy jobs where a credential is desired or required. Veterans will be placed in green energy jobs building energy-efficient vehicle engines and wind turbine components. The veterans receive 160 hours of technical training, and 10 credit hours towards an Integrated Systems Engineering Technology Associate Degree. The program is built upon (1) the College’s 38 years of experience providing services specifically targeted towards veterans; (2) the College’s Green Academy and Center for Sustainability; (3) the College’s Advanced Manufacturing and Engineering Center; and (4) the College’s provision of employer driven job training/placement via two US Department of Labor Community Based Job Training Grant funded projects.

**Unique and Exemplary Attributes:**

The Initiative has partnerships with Ford Motor Company, Ford’s suppliers, United Auto Workers Local 1250, along with manufacturers of wind turbine components, the Louis Stokes Veterans Medical Center, the Regional Workforce Investment Act (WIA) funded “One-Stop” Career Center system, and Towards Employment, a non-profit organization providing job placement services, and will provide some training on-location in Ford’s Brook Park engine plant.

**Contact Person and information:**

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## **Program Name: Alternative Energy Workforce Training and Education Program - Advanced Automotive Technology**



**Location:** Cuyahoga Community College Western Campus - located at 11000 Pleasant Valley Road, Parma, Ohio 44130

**Program Type:** Postsecondary Education - Workforce Training

**Funding Level (if applicable):** \$5,276,610 million initiative over 5 years, supported by US Department of Energy, State of Ohio, corporate, foundation and College funds and in-kind contributions.

**Program Description:** Tri-C provides workforce and technical training on alternative energy applications for a transitioning automotive and manufacturing industry. Tri-C is enhancing curriculum in the areas of conversion, installation, repair, and maintenance of new energy sources and manufacturing of components for new energy applications. Workers with associate degrees and alternative energy certifications are critical for the manufacturing and maintenance of fuel cell, ethanol/E85, biomass, hybrid-electric vehicles and plug-in hybrid vehicles. By providing workforce and technical training for alternative energy applications, Tri-C is creating a competitive workforce for the green automotive industry with the math, science and hands-on skills needed for the practical applications and the transferring of technical services to the hybrid technologies.

### **Unique and Exemplary Attributes:**

- In July 2008, Cuyahoga Community College secured Congressionally-directed grant funding from the U.S. Department of Energy and support from the State of Ohio to increase Tri-C's capacity to provide hands-on state-of-the-future training experiences, including training equipment and supplies for instruction in alternative fuel automobile technologies on the Western Campus.
- The program now owns a 2008 Honda Civic compressed natural gas vehicle, 2009 Ford Escape hybrid, 2008 Honda Insight hybrid, and a 2005 Volkswagen Passat diesel with a conversion kit that allows it to run on vegetable oil. The program is also awaiting the arrival of a 2010 Gen III Toyota Prius hybrid.

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## **Program Name: Great Lakes Wind Energy Center Final Feasibility Study**

The Task Force's vision to establish Cuyahoga County as a primary hub for wind energy in North America, and a key hub for the offshore wind energy industry in the Great Lakes. Wind is an everlasting source of clean energy, making it an attractive alternative as energy prices and concerns about global climate change increase. Cuyahoga County has completed a Feasibility

Study to determine whether to move forward in building potential offshore wind energy Pilot Project on Lake Erie.

Project partners will continue to work closely with regulators and advocacy groups to ensure a potential Pilot Project is properly sited and not harmful to wildlife or the environment. Funders for the Feasibility Study include Cuyahoga County, the Cleveland Foundation, Case Western Reserve University, City of Cleveland, the Fund for Our Economic Future via NorTech, Cleveland-Cuyahoga Port Authority, and the Generation Foundation. Project team members for the Feasibility Study include juwi and its subsidiary JW Great Lakes Wind, Germanischer Lloyd, DLZ Ohio, Inc., BrownFlynn, Black & Veatch, Curry and Kerlinger, and Econnect.

**Program Name: Electrical Trades Institute of Northeast Ohio**

**Location:** 4550 Research Parkway, Warren, Ohio 44483

**Funding Level (if applicable):** Joint Apprenticeship funded (IBEW 573 NECA) (Labor and Management)

**Program Description:** Apprenticeship in Electrical Trades and Journeymen update classes.

**Program Type:** Electrical Construction Trades –Training

**Unique and Exemplary Attributes:**

- Training Center is 2 years old and has the latest technology in geothermal, temperature controls and set backs, energy management system.
- Also wind and solar training.
- Wind and solar equipment made here. Classes started.

**Contact Person and information:**

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