

## **American Recovery and Reinvestment Act of 2009: Energy Training Partnership Grants**

### **Recovery Act: Competitive Grants for Green Job Training**

On February 17, 2009, President Barack Obama signed into law the American Recovery and Reinvestment Act of 2009 (Recovery Act) to preserve and create jobs, promote the nation's economic recovery, and assist those most impacted by the recession. The purpose of these grants is to teach workers the skills required in emerging industries including energy efficiency and renewable energy.

### **Energy Training Partnership Grants Overview**

The Energy Training Partnership grant program will provide training for workers that prepares them to enter the energy efficiency and renewable energy industries, as well as green occupations within other industries. These grants invest in partnerships made up of diverse set of stakeholders including labor organizations, public or private employers in the energy efficiency and renewable energy industries, and the workforce system. Bringing together the workforce expertise of these groups will allow grantees to develop programs that are responsive to the needs of both workers and employers, and that provide participants with the support needed to successfully complete training. The grantees will utilize these partnerships to design and distribute training approaches that lead to portable industry credentials and employment, including registered apprenticeship. The Department of Labor awarded grants to workforce development projects that focused on connecting target populations to career pathways in green industries. The Department also was interested in projects that contributed to our understanding of green industries and jobs that clean and enhance our environment.

These investments are designed to achieve the following goals:

- Provide training and placement services in the energy efficiency and renewable energy industries for workers impacted by national energy and environmental policy, individuals in need of updated training related to the energy efficiency and renewable energy industries, and unemployed workers.
- All training and placement activities funded through this grant program will be conducted at the local level.
- A portion of the total funds – approximately \$25 million – are reserved for projects that will serve communities impacted by automotive industry-related restructuring.

### **Grantee Summaries**

Twenty-five (25) awards ranging from approximately \$1.4 million to \$5 million each were made to private nonprofit organizations that applied under one of two categories: (1) National labor-management organizations with local networks, or (2) Statewide or local nonprofit partnerships. The awards are included in the list below:

**Grantee:** Northwest Energy Efficiency Council

**Location of Grant Activities:** Washington

**Areas Affected:** WA Counties: King, Snohomish, Pierce, Kitsap, Clallam; Cities: Seattle, Tacoma, Everett, Bremerton

**Auto-Impacted County Being Served:** N/A

**Industries of Focus:** Energy Efficient Building Construction and Retrofit and Energy Efficiency Assessment

**Highlighted Participants Served:** Older youth, dislocated workers, incumbent workers, veterans, women, and individuals with disabilities

**National or Local Grant:** Local

**Amount:** \$3,876,171

**Key Partnerships:** McKinstry Company, Puget Sound Energy, Control Contractors, Inc., Workforce Development Councils of Seattle-King County, Snohomish County, Tacoma Pierce County, Olympic Consortium, South Seattle Community College, Seattle Vocational Institute, Edmonds Community College, Olympic College, Martin Luther King, Jr. County Labor Council, AFL-CIO, Sustainable Works, and Seattle Jobs Initiative

**Project Description:** The grantee will implement the Sound Energy Efficiency Development (SEED) project through a regional partnership of employers, Workforce Development Councils, labor organizations, community and technical colleges, and One-Stop Career Centers. The SEED program will provide training and job placement assistance in energy efficiency assessment occupations. The program will update curriculum based on industry guidance, expand training capacities, and utilize a Green Jobs Navigator to share industry trends and job opportunities.

**Proposed Outcomes:** Approximately 473 participants will be trained and placed in energy efficiency occupations. Participants will earn industry-recognized certificates in residential energy auditing, building operator, and OSHA safety.

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**Grantee:** UAW-Labor Employment and Training Corporation (UAW-LETC)

**Location of Grant Activities:** Missouri

**Areas Affected:** MO Counties: St. Louis and St. Charles

**Auto-Impacted Counties Being Served:** St. Louis and St. Charles

**Industries of Focus:** Energy Efficiency and Clean Energy

**Highlighted Participants Served:** Veterans, ex-offenders, individuals with disabilities, and women

**National or Local Grant:** Local

**Amount:** \$3,200,000

**Key Partnerships:** St. Louis Community College, St. Charles Community College, Missouri Department of Economic Development, Missouri Department of Natural Resources, St. Louis Economic Development Council, St. Charles County Economic Development Center, St. Charles County Workforce Investment Board, Regional Collaboration Centers of Fenton and St. Charles Counties, General Motors, and St. Louis Auto Dealership Association

**Project Description:** The grantee will retrain dislocated and incumbent automotive and auto-related workers for employment in energy efficiency and clean energy sectors. Participants will complete training in four career pathways that include: Hybrid/Electric Auto Technician, Electric Auto/Truck Battery Technician, Electric Motors/Devices Technician, and Commercial Energy Technician. The grantee will develop a Green Portal Program that participants will access for career exploration in green industries, career assessment, labor market information, and job search assistance.

**Proposed Outcomes:** The grantee will develop customized training curricula in the four designated career pathways and will train and place approximately 430 dislocated and incumbent workers in occupations in the energy efficiency and renewable energy industries.

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**Grantee:** H-CAP, Inc.

**Location of Grant Activities:** California, District of Columbia, Maryland, New York, and Washington

**Areas Affected:** WA County: King; NY Counties: Kings, Bronx, Richmond, Queens, New York; MD Counties: Baltimore, Prince Georges; CA Counties: Los Angeles, Riverside; District of Columbia

**Auto-Impacted Counties Being Served:** Baltimore City (MD) and Los Angeles (CA)

**Industries of Focus:** Energy Efficiency Building and Retrofit Industries, and Energy Efficiency Assessment Industry

**Highlighted Participants Served:** Immigrants and minorities

**National or Local Grant:** National

**Amount:** \$4,637,551

**Key Partnerships:** Health Care Without Harm (HCWH), North Seattle Community College (NSCC), Service Employees International Union (SEIU) Education Support Fund (ESF), 1199 SEIU TEF Labor Management Project (LMP), and Workforce Investment Boards and One-Stop Career Centers serving Los Angeles, CA; King County, WA; Baltimore City & Baltimore County, MD; New York City, NY; and the District of Columbia

**Project Description:** The grantee will provide green enhanced skills training to job seekers and entry-level environmental service workers for new and emerging green occupations in the healthcare industry. The grantee will collect existing curricula and develop new curricula and certificate programs at the college and industry level for green environmental service positions. Health Care Without Harm will share its environmental data tracking tool and train the participating regions on its use. The grantee will also evaluate the environmental impact of the project in terms of reductions in energy, pollution, waste, and water usage as a result of new cleaning methodologies.

**Proposed Outcomes:** Approximately 3,000 job seekers and entry-level environmental service workers will receive training and approximately 2,700 entry-level workers will receive certificates and training in new and emerging green occupations. The grantee will also develop three new curricula, 22 nationally-recognized certificates, and 12 webinars that will cover topics including the role of environmental service workers in green healthcare, the development of cross-industry green jobs, and green career pathways for entry-level workers.

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**Grantee:** Utility Workers Union of America (UWUA), AFL-CIO

**Location of Grant Activities:** New Jersey, Massachusetts, and California

**Areas Affected:** New Jersey Counties - Warren, Union, Sussex, Morris, Middlesex, and Bergen; Massachusetts Counties - Suffolk, Norfolk, and Plymouth; California Counties - Los Angeles, San Bernardino, and Riverside

**Auto-Impacted Counties Being Served:** Union and Middlesex (NJ), and Los Angeles (CA)

**Industries of Focuses:** Energy Efficiency and Clean Energy

**Highlighted Participants Served:** Women, minorities, older youth, and incumbent workers

**National or Local Grant:** National

**Amount:** \$4,993,922

**Key Partnerships:** UWUA Power for America Trust; CCORD Community First; Los Angeles Trade-Technical College; Southern California Gas; UWUA New Jersey Council; the Workforce Investment Boards of Union, Essex, Middlesex, Morris, and Sussex Counties, New Jersey; Union County Vocational Technical School; Aspira Inc.; South Coastal Workforce Investment Board, Massachusetts; Greener Resources, LLC; ElectComm Power Services, Inc.; YouthBuild Quincy; Bunker Hill Community College; and One Consumer Voice

**Project Description:** The grantee will implement the “Green Skills = Green Jobs” project to provide safety, technical and green skills training to displaced workers, older youth, under-employed workers, and disadvantaged adults. The training will combine support, placement and retention services to enable these workers to secure work-related and industry-recognized credentials to obtain or retain employment as gas, water, or electrical utility workers. Program participants will participate in pre-apprenticeship training programs and in registered apprenticeship programs through State Offices of Apprenticeship.

**Proposed Outcomes:** Approximately 672 participants will be trained and placed in green and emerging occupations in the utility industry. The grantee will also develop and register pre-apprenticeship and apprenticeship programs for the utility industry in California, Massachusetts, and New Jersey that can be deployed across the country to create a pipeline of skilled workers prepared for utility careers.

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**Grantee:** International Transportation Learning Center

**Location of Grant Activities:** Ohio, New York, New Jersey, and Utah

**Areas Affected:** Utah; New Jersey; New York City, and Columbus, OH

**Auto-Impacted County Being Served:** N/A

**Industry Focus:** Transportation

**Highlighted Participants Served:** Minorities

**National or Local Grant:** National

**Amount:** \$5,000,000

**Key Partnerships:** MTA New York City Transit, Transport Workers Union (TWU) Local 100, Utah Transit Authority, Amalgamated Transit Union (ATU) Local 382, NJ Transit, ATU New Jersey Council, Central Ohio Transit Authority (COTA), TWU Local 208, the Consortium for Worker Education, Nontraditional Employment for Women, and local affiliates of the National Fund for Workforce Development

**Project Description:** The nationwide Transit Green Jobs Training Partnership will prepare workers for careers in public transportation – an industry which is embracing energy efficient technology. The Transit Green Jobs Partnership program is designed to expand industry training activity and capacity in a sustainable way. This will be accomplished through labor-management partnerships and the support of an emerging national transit training system that includes standards, apprenticeships and certifications to assist stakeholders in designing or enhancing programs that incorporate renewable energy, energy efficiency and other green-related technologies and skills.

**Proposed Outcomes:** This partnership proposes to train 3,640 workers in the public transportation industry. The project will develop joint labor-management training processes; identify training priorities through skill gap analyses; validate local training against national training standards; support career ladder advancement within the industry; provide training based on these analyses to new and incumbent workers; and continue to build the transit industry’s emerging national system of apprenticeship.

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**Grantee:** California State Labor Management Cooperation Committee for the International Brotherhood of Electrical Workers and the National Electrical Contractors Association (LMCC-IBEW-NECA)

**Location of Grant Activities:** California

**Areas Affected:** State of California

**Auto-Impacted Counties Being Served:** Alameda and Los Angeles

**Industries of Focus:** Construction and Building Maintenance

**Highlighted Participants Served:** Unemployed and underemployed electricians

**National or Local Grant:** Local

**Amount:** \$5,000,000

**Key Partnerships:** California State Labor Management Cooperation Committee for the International Brotherhood of Electrical Workers and the National Electrical Contractors Association (IBEW-NECA); California Community College System (CCCS); California Energy Commission (CEC); University of California-Davis-California Lighting Technology Center (CLTC); California Investor-Owned and Municipal Utilities (IOMU); National Lighting Manufacturers Association (NEMA); ICF International; and 13 local Workforce Investment Boards (WIBs)

**Project Description:** The California Advanced Lighting Controls Training Program (CALCTP) will support the training of electricians in the design, installation, and maintenance of advanced lighting controls (ALC) to improve energy efficiency in commercial facilities across the state. CALCTP will expand the deployment of its newly-developed ALC training curricula to 20 of the IBEW-NECA's Joint Apprenticeship Training Committees (JATC)'s Electrical Training Centers. The project will work with the One-Stop career centers to facilitate access to One-Stop resources for program participants and for referrals to training.

**Proposed Outcomes:** The project will deliver training to 2,292 journey-level electricians. The project will result in a number of significant opportunities including integrating energy efficiency and demand response programs as mandated by California energy policy, increasing the installation of advanced lighting controls, and providing industry and trade organizations with a high-value training opportunity for members.

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**Grantee:** Central Vermont Community Action Council, Inc.

**Location of Grant Activities:** Vermont

**Areas Affected:** State of Vermont, all 14 counties and 256 minor civil divisions

**Auto-Impacted County Being Served:** N/A

**Industries of Focus:** Manufacturing, Construction, Recycling, and Waste Reduction

**Highlighted Participants Served:** Unemployed, underemployed, veterans, high school dropouts, women, and individuals with disabilities

**National or Local Grant:** Local

**Amount:** \$4,846,195

**Key Partnerships:** Vermont Technical College (VTC), Vermont Office of Economic Opportunity (OEO), Vermont Works for Women (VWW), Vermont Coalition of Runaway and Homeless Youth Programs (VCRHYP), organized labor, industry, and training providers

**Project Description:** The Vermont Growing Renewable Energy/Efficiency Employment Network (VtGREEN) project will prepare workers for careers in the energy efficiency and renewable energy industries. The project will help participants become self-sufficient through green collar employment by expanding and improving upon the Home Energy Efficiency/Weatherization Certificate Program -- a training partnership between Vermont Technical College (VTC) and the Vermont Office of Economic Opportunity (OEO). The program will be supplemented with the provision of case management, support, referral, placement, and post-program follow-up. VtGREEN will work with private industry to develop specialized training and referral of qualified Grants for newly created jobs. The project will also work with organized labor and industry to expand existing apprenticeship programs.

**Proposed Outcomes:** The project will provide intensive case management and training to 398 individuals, and will ensure that nearly 2,000 others receive training. Participants will receive certificates -- including the Homebuilders and Remodelers Association's (HBRA) Certified Green Professional certificate -- or apprenticeship and licensing credits recognized by the International Brotherhood of Electrical Workers (IBEW).

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**Grantee:** E.C.I.A. Business Growth, Inc.

**Location of Grant Activities:** Iowa, Minnesota and Wisconsin

**Areas Affected:** 27 county region of Iowa, Wisconsin, and Minnesota

**Auto-Impacted Counties Being Served:** Howard and Chickasaw (IA)

**Industries of Focus:** Renewable Wind Energy, Energy Efficiency Assessment, and Energy Efficiency Construction

**Highlighted Participants Served:** Unemployed and dislocated workers, high school graduates, veterans, disconnected youth, women, and minorities

**National or Local Grant:** Local

**Amount:** \$2,060,250

**Key Partnerships:** Dubuque Area Labor Management Council and United Labor Participation Committee, Clipper Turbine Works, Acciona Windpower, Independent Wind Turbine Services, LLC., Alliant Energy – IPL, Gronen Restoration/Properties, Loomis Plumbing and Heating, and K & K Gardens, Region 1 Employment and Training (UERPC & ECIA), Wisconsin Workforce Connections, and Minnesota Workforce Development Inc.

**Project Description:** Based on industry and partner input through an ongoing Green Jobs Advisory Committee, this initiative will develop and implement three separate career ladders to connect workers to jobs in renewable electric power, energy efficient assessment, and energy efficient building. These three paths include A.A.S. and diploma technician programs in Wind Turbine Repair, as well as RESNET Home Energy Rater training and Green Building Professional certifications for residential and commercial construction. Future curriculum enhancement is also planned for green electrical skills and continuing education in wind technology based on regional job need and supply. Recruitment, placement, retention, and supportive services to enable trainee participation and subsequent successful employment will be integrated into training activities.

**Proposed Outcomes:** The grantee will serve 392 participants during the life of the grant, with 344 completing training activities. Trainees will have the opportunity to earn a Diploma or A.A.S. degree as a Wind Turbine Repair Technician, a RESNET certification through successful completion of the National Rater Exam and completion of probationary ratings with a RESNET Rating Provider, and Green Residential Builder and Green Commercial Builder certificates through the Iowa Center on Sustainable Communities based on Iowa energy code and the International Energy Code.

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**Grantee:** Institute for Career Development (ICD), Inc.

**Location of Grant Activities:** Indiana, Ohio, New York, and Pennsylvania

**Areas Affected:** IN Counties: Lake, Porter, LaPorte, Newton, Jasper, Starke, Pulaski;

NY County: Erie; OH County: Cuyahoga; PA County: Montgomery

**Auto-Impacted Counties Being Served:** Starke (IN), Erie (NY), and Cuyahoga (OH)

**Industries of Focus:** Wind Technicians, Solar Panel Installers, Geothermal Maintenance Workers

**Highlighted Participants Served:** Dislocated steelworkers

**National or Local Grant:** National

**Amount:** \$4,658,983

**Key Partnerships:** United Steelworkers/ ArcelorMittal-Burns Harbor Career Development Program, USW/ ArcelorMittal-Cleveland Career Development Program, USW/ ArcelorMittal-Lackawanna Career Development Program, USW/ ArcelorMittal-Conshohocken Career Development Program, Center of Workforce Innovations (WIB), Cuyahoga County Workforce Development Office, Buffalo and Erie County WIB, Montgomery County, PA Workforce Investment Board, BlueGreen Alliance, and Urban Community Corporation

**Project Description:** This project will serve four local areas and training will vary by region depending on industry needs. Participants will be trained as wind farm field technicians and maintenance workers, solar panel installers, or geothermal installers. Training in these fields will also prepare workers for employment in fields related to energy generation such as construction, HVAC, and home retrofitting.

**Proposed Outcomes:** The grantee will serve 2,000 participants during the life of the grant with 1,200 completing training activities. It is anticipated that 800 of the 1,200 individuals completing training activities will receive a degree or certificate that aligns with employer-, industry-, or State-defined standards.

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**Grantee:** National Ironworkers and Employers Apprenticeship Training and Journeyman Upgrading Fund

**Location of Grant Activities:** California, Illinois, New York, Texas, and Utah

**Areas Affected:** Areas within 400 miles of La Palma, CA; Arlington, TX; West Seneca, NY; Joliet, IL; and Salt Lake City, UT including 20 counties in the 5 states impacted by auto restructuring

**Auto-Impacted Counties Being Served:** Alameda and Los Angeles (CA); Boone, Clay, Cook, Edwards, Hancock, Marion, McLean, Putnam, Warren, Washington, and Wayne (IL); Erie, Niagara, Onondaga, and St. Lawrence (NY); Bexar and Tarrant (TX); and Box Elder (UT)

**Highlighted Participants Served:** Dislocated workers

**Industry Focus:** Wind Energy

**National or Local Grant:** National

**Amount:** \$1,943,931

**Key Partnerships:** Francis Tuttle Technology Center, Hytorc, Snap-On, DBI/SALA, local Workforce Investment Boards, One-Stop Career Centers, State Apprenticeship Agencies, local labor-management committees, and wind turbine tower erectors and contractors

**Project Description:** This project will provide training to ironworkers who require up-skilling for the renewable wind energy sector, and will place ironworkers on wind turbine erection projects. The National Ironworkers and Employers Apprenticeship Training and Journeyman Upgrading Fund will partner with five of its local labor-management apprenticeship committees with existing training centers. Wind turbine contractors and employers working in the five communities with expressed need for ironworkers will obtain portable training certificates and attend a public education technical training and education institution specializing in training in wind turbine erection and maintenance.

**Proposed Outcomes:** At least 510 ironworkers will begin training and participants who successfully complete training will receive a certificate of competence from an industry partner.

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**Grantee:** Blue Green Alliance

**Location of Grant Activities:** Minnesota

**Areas Affected:** Twin Cities 7-County Metro Area, Iron Range region of Northeastern Minnesota (Crow Wing, Aitkin, Carlton, Cook, Itasca, Koochiching, Lake and St. Louis counties) and the 38 Southern Minnesota counties covering 53 of Minnesota's 87 counties

**Auto-Impacted County Being Served:** Ramsey

**Industry Focus:** Manufacturing

**Highlighted Participants Served:** Dislocated workers, women, minorities, veterans, incumbent workers and unemployed steelworkers

**National or Local Grant:** Local

**Amount:** \$5,000,000

**Key Partnerships:** United Steelworkers, Institute for Career Development, Solar Energy Industries Association, Honeywell, Minnesota Renewable Energy Marketplace, Saint Paul Area Chamber of Commerce, Midway Chamber of Commerce, Minnesota State Colleges and Universities, Dunwoody College of Technology, RESOURCE, Inc., Quality Career Services, Workforce Investment Boards and One-Stop Career Centers, partner unions, and member organizations

**Project Description:** The project will train manufacturing workers to fill the jobs being created in the clean energy economy. Training provided through the project is designed to achieve two goals: 1) increase workers' skills to the level needed to find employment; and, 2) teach workers green manufacturing techniques and processes to make them employable in the green economy. A new curriculum for certified green manufacturing training will be adapted from existing curricula to address the training needs of employers creating green jobs. Employers will be engaged in curriculum development from the beginning of the process. The project will also provide services to ensure that workers learn about training opportunities, complete training, and find and retain employment after training is completed.

**Proposed Outcomes:** Approximately 2,060 workers will be enrolled in training. All workers completing training will receive a certificate that indicates they have the skills needed by green manufacturers.

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**Grantee:** Oregon Manufacturing Extension Partnership  
**Location of Grant Activities:** Oregon and Washington  
**Areas Affected:** Multnomah, Washington, Clackamas, Marion, Polk, Yamhil Counties in Oregon and Clark, Cowlitz and Wahkiakum Counties in Washington  
**Auto-Impacted County Being Served:** N/A  
**Industries of Focus:** Renewable Electric Power and Biofuels  
**Highlighted Participants Served:** Unemployed and dislocated workers and employed workers at local renewable energy industries  
**National or Local Grant:** Local  
**Amount:** \$5,000,000

**Key Partnerships:** Sheet Metal Workers Local 16, International Association of Machinists and Aerospace Workers Dist. No 24, Northwest Oregon Labor Council, Energy Trust of Oregon, four local Workforce Investment Boards and the bi-state WorkSource system, six community colleges, and economic development partners

**Project Description:** The project will build a skilled workforce to support companies that generate power, and assist local manufacturers in retooling their workforce. Grant funds will be used to increase the capacity of local area training providers to: 1) provide industry-identified training; 2) analyze the technical workforce skills and production requirements of potential suppliers to target industries; and, 3) retool existing workers to meet the changing needs of their companies around renewable energy. The project will implement a strategy to help workers enter careers in the renewable energy industries. At project implementation, workforce and training partners will begin to enroll and train workers in occupational and technical skills needed for occupations identified as in demand by the target industries. The Oregon Manufacturing Extension Partnership will conduct an analysis of the technical skills and production requirements of the renewable electric industry. The Oregon Manufacturing Extension Partnership will also serve as a conduit between industry and the WorkSource system throughout the project.

**Proposed Outcomes:** Approximately 1,670 participants will complete education and training and it is anticipated that 1,325 participants will receive a degree or certificate.

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**Grantee:** SER Metro-Detroit, Jobs for Progress, Inc.

**Location of Grant Activities:** Michigan

**Areas Affected:** Detroit, Wayne County, and Michigan

**Auto-Impacted County Being Served:** Wayne

**Industries of Focus:** Building Construction & Retrofit, Solar, Weatherization, and Electrical

**Highlighted Participants Served:** Women, minorities, and veterans

**National or Local Grant:** Local

**Amount:** \$4,298,673

**Key Partnerships:** Detroit Workforce Development Department (DWDD), Wayne County Community College District (WCCCD), Southeast Michigan Community Alliance, Detroit & Southeast Michigan Fund for Innovative Workforce Solutions, Green Energy Stakeholder Advisory Group, Detroiters Working for Environmental Justice, International Brotherhood of Electrical Workers (IBEW), Detroit Joint Electrical Apprenticeship Training Partnership (DJEATP), National Electrical Contractors Association (NECA), Laborers' International Union of North America (LIUNA), and Michigan Laborers' Training & Apprenticeship Institute (MLTAI)

**Project Description:** The Regional Energy Efficiency Partnership Training Program (REEPTP) will use grant funds to coordinate several partnerships to provide combined academics with green occupational skills training, on-the-job training (OJT), employment or apprenticeship opportunities, and support services. The programs will partner with other organizations to create a pipeline of skilled workers for alternative energy opportunities.

**Proposed Outcomes:** Approximately 340 unemployed workers will be trained for green jobs or apprenticeship opportunities through five training tracks. Training will be offered at various Wayne County Community College District or union training locations. Program completers will be awarded a CCCD Convergent Technology Energy Efficiency Training Certificate and/or appropriate certifications for completing 391 hours of instruction, training or OJT requirements.

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**Grantee:** The Providence Plan  
**Location of Grant Activities:** Rhode Island  
**Areas Affected:** Rhode Island  
**Auto-Impacted County Being Served:** N/A  
**Industries of Focus:** Energy-Efficient Building Construction and Retrofit and Wind-Generated Electric Power  
**Highlighted Participants Served:** Ex-offenders, minorities, and dislocated workers  
**National or Local Grant:** Local  
**Amount:** \$3,720,000

**Key Partnerships:** Rhode Island Department of Education (RIDE), Community College of Rhode Island, Laborers International Union of North America, International Brotherhood of Electrical Workers, United Brotherhood of Carpenters, Ironworkers Union, United Association of Plumbers and Pipe Fitters, International Union of Painters & Allied Trades, Associated General Contractors (AGC), state Workforce Investment Boards (WIB), and industry partners including Gilbane, Inc., Dimeo, Deepwater, and ECI Green

**Project Description:** The Energy Training Partnership has three core objectives: 1) deliver pre-apprenticeship training in green construction for unemployed workers; 2) partner with labor organizations to integrate green-training modules into existing apprenticeship curricula; and 3) upgrade skills of journey-level tradesmen in green technologies so the industry can respond to green construction and renewable energy projects. The project will deliver a certified pre-apprenticeship model to its participants, while labor organizations will leverage their proven registered apprenticeship system to cultivate a green-ready workforce and support journey-level upgrades. Employer partners will work to align training with emerging sector needs and implement procedures in which green-certified craftsmen are given priority on energy-related jobs.

**Proposed Outcomes:** Approximately 1,600 low-skilled, urban residents of Providence will complete training in pre-apprenticeship, green apprenticeship, and journey-level skills upgrades in green technologies. With a proven record and established support from labor, construction employers, and the state's workforce training system, 800 participants will be placed in green energy jobs during the period of performance.

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**Grantee:** Montana Electrical Joint Apprenticeship and Training Council (MEJATC)  
**Location of Grant Activities:** Montana  
**Areas Affected:** All Montana counties statewide  
**Auto-Impacted County Being Served:** N/A  
**Industries of Focus:** Energy-Efficient Building Construction and Renewable Electric Power  
**Highlighted Participants Served:** Unemployed workers  
**National or Local Grant:** Local  
**Amount:** \$5,000,000  
**Key Partnerships:** IBEW Local #44, Ironworkers Local #14 and Local #732, MT Laborers, MT Statewide Carpenters, MT Operating Engineers, MT Statewide Sheet Metal, Mountain States Line Constructors, UA Plumbers and Pipefitters, Bricklayers & Allied Crafts, PPL Montana, the State Workforce Investment Board (SWIB), Montana Department of Labor & Industry (DLI) – Workforce Services Division (WSD), State Registered Apprenticeship & Training Program, Research & Analysis Bureau and Statewide Programs and Oversight Bureau, Office of the Commissioner of Higher Education –Billings, Butte and Great Falls Colleges of Technology, MSU-Northern, and Miles Community College  
**Project Description:** Current craft workers in need of skill upgrades to obtain or retain employment and unemployed workers seeking to enter targeted industries will receive training required for electricians, electrical line workers, carpenters, millwrights, laborers, weatherization technicians, iron workers (welders), HVAC technicians, power plant technicians, plumbers/pipefitters, and heavy equipment operators.  
**Proposed Outcomes:** Approximately 2,450 participants will complete green competency model training plans and receive a certificate that corresponds to their training as pre-apprentices, apprentices, and journeymen workers in Montana’s current and emerging energy efficiency and renewable energy industries.  
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**Grantee:** Communications Workers of America (CWA) National Education and Training Trust

**Location of Grant Activities:** Ohio

**Areas Affected:** Targeting auto-impacted counties below

**Auto-Impacted Counties Being Served:** Allen, Cuyahoga, Hamilton, Montgomery, Richland, Seneca, Shelby, and Trumbull

**Industry Focus:** Sustainable Manufacturing

**Highlighted Participants Served:** Dislocated workers and veterans

**National or Local Grant:** National

**Amount:** \$3,969,056

**Key Partnerships:** International Union of Electronic, Electrical, Salaried, Machine and Furniture Workers – Communications Workers of America (IUE-CWA), Manufacturing Skills Standard Council (MSSC), AFL-CIO Working for America Institute, Area 7 Workforce Investment Board, Ohio Apollo Program, Green Career Central, and "Military to Work" Program

**Project Description:** The project is focused on developing and delivering a Green Manufacturing Skill Training Certification training program to address the need for career preparation for production workers in the emerging energy-related, energy storage, and clean manufacturing environments.

**Proposed Outcomes:** The grantee will leverage the nationally acclaimed MSSC Certified Production Technician (CPT) program to provide 1,000 dislocated workers in auto-impacted regions across Ohio with short-term training opportunities in advanced manufacturing that are endorsed by manufacturing employers across the state.

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**Grantee:** Heritage Health Foundation

**Location of Grant Activities:** Pennsylvania

**Areas Affected:** Upper Monongahela Valley region of Southwestern Pennsylvania (an urban area located in Allegheny County)

**Auto-Impacted County Being Served:** Allegheny

**Industries of Focus:** Deconstruction, Building Resource Recovery, Energy Management, Weatherization, and Urban Eco-Restoration

**Highlighted Participants Served:** Underemployed and unemployed workers, veterans, women, and minorities

**National or Local Grant:** Local

**Amount:** \$1,408,601

**Key Partnerships:** Allegheny County East Careerlink, Three Rivers Workforce Investment Board, United Automobile Workers Local 544, Allegheny County Department of Human Services, Carnegie Mellon University, Community College of Allegheny County, Braddock Employment and Training Center, Veterans Leadership Program of Western Pennsylvania, and numerous local and regional employers

**Project Description:** The Mon Valley Environmental Innovative Training model (MOVE IT) will follow a flexible, “plug and train” format to respond to employer-driven demand, giving students current energy-related training, the ability to earn numerous green job-related certifications, and meaningful on-the-job training opportunities to help them put newly acquired skills into practice. The grantee will help graduates quickly secure employment with employer partners in need of qualified workers in the targeted industries, and provide ongoing support to graduates to address barriers to maintaining employment.

**Proposed Outcomes:** MOVE IT will enroll 120 eligible trainees through four training sessions over the 24-month project period. The primary objective is to place 65% of graduates into unsubsidized employment and help them maintain employment for at least 6 months following initial placement.

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**Grantee:** Thomas Shortman Training Scholarship and Safety Fund

**Location of Grant Activities:** New York

**Areas Affected:** New York City (all five boroughs)

**Auto-Impacted County Being Served:** N/A

**Industries of Focus:** Green Building Operations and Maintenance

**Highlighted Participants Served:** Incumbent workers and minorities

**National or Local Grant:** Local

**Amount:** \$2,802,269

**Key Partnerships:** SEIU Local 32BJ, Realty Advisory Board on Labor Relations, CUNY Center for Sustainable Energy and High-Performance Buildings Lab, New York City Workforce1 Career Centers, Urban Green Council, Building Performance Institute, and numerous building owners and managers

**Project Description:** The grantee's program will focus on training in green building Operations and Maintenance (O&M) for commercial building operators. This training encompasses the air sealing and insulation associated with weatherizing one to four unit family housing, as well as optimal management of complex heating, cooling, water supply, and lighting systems typical of large apartment buildings. Green O&M is also essential to making the most of building retrofits that install advanced energy efficient technology.

**Proposed Outcomes:** The Green Building Initiative will train 2,000 building superintendents on how to make large apartment buildings energy efficient through better operations and maintenance. In addition, CUNY will train 30 commercial building operating engineers in order to lay the foundation for a future expansion of green O&M in the city's commercial buildings, and train 170 building analysts to benchmark the energy performance of large buildings.

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**Grantee:** Memphis Bioworks Foundation

**Location of Grant Activities:** Tennessee and Arkansas

**Areas Affected:** TN Counties: Benton, Carroll, Chester, Crockett, Decatur, Dyer, Fayette, Gibson, Hardeman, Hardin, Haywood, Henderson, Henry, Lake, Lauderdale, McNairy, Madison, Obion, Shelby, Tipton, and Weakley; AR Counties: Cross, Crittenden, St. Francis, Lee, and Phillips

**Auto-Impacted Counties Being Served:** Dyer, Gibson, Hardeman, Henderson, Henry, Lauderdale, McNairy, Madison, and Obion (TN)

**Highlighted Participants Served:** Dislocated workers

**Industries of Focus:** Energy-Efficient Building, Construction, and Retrofit, Biofuels and Bio-Based Processing (Bio-Agriculture and Green Manufacturing), and Energy-Efficient Assessment serving residential, commercial and industrial sectors

**National or Local Grant:** Local

**Amount:** \$2,931,103

**Key Partnerships:** Memphis Bioworks Foundation, Dyersburg State Community College, Tennessee Local Workforce Investment Areas # 11, 12, and 13, Eastern Arkansas Workforce Investment Area, Jackson State Community College, University of Memphis, BEST Program, Mid-South Community College, Seedco, Southwest TN Community College, National Electrical Contractors Association, One-Stop Career Centers, and multiple employers

**Project Description:** The grantee will leverage existing curricula and expertise coupled with input from employer partners to produce new or modified training programs for solar installation, agricultural production for biomass crops, sustainable design and construction, chemical processing, and plant process operations. Entrepreneurship training will also be included for farmers interested in broadening farming operations to include on-site biomass processing and management of producer-to-processor linkages.

**Proposed Outcomes:** The Eastern Arkansas WIB and Mid-South Community College will train 25 participants through their renewable energy training program. Up to 400 participants will receive customized training in solar installation techniques through Jackson State Community College, Dyersburg State Community College and Southwest Tennessee Community College.

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**Grantee:** International Training Institute for the Sheet Metal and Air Conditioning Industry

**Location of Grant Activities:** Michigan, Ohio, Missouri, Illinois, California, New Mexico, and Texas

**Areas Affected:** MI Counties: Detroit, Livonia, Ann Arbor, Warren, Wayne; OH Counties: Cleveland, Toledo, Akron, Youngstown; MO County: St. Louis; Illinois (E. St. Louis); CA Counties: Los Angeles, Anaheim, Long Beach, Riverside, San Bernardino; NM Counties: Albuquerque, Santa Fe, Las Cruces; TX Counties: El Paso, Lubbock

**Auto-Impacted Counties Being Served:** Wayne (MI), St. Louis (MO), and Los Angeles (CA)

**Industries of Focus:** Energy-Efficiency Building Construction and Retrofitting

**Highlighted Participants Served:** Unemployed and underemployed individuals, veterans, minority and women

**National or Local Grant:** National

**Amount:** \$ 4,995,188

**Key Partnerships:** Sheet Metal Workers International Association (SMWIA) and local affiliate organizations, Sheet Metal and Air Conditioning Contractors National Association (SMACNA) and local affiliate organizations, Joint Apprenticeship Training Center (JATC), and 13 Workforce Investment Boards and One Stop Career Centers

**Project Description:** The grantee will prepare the unemployed and incumbent sheet metal workforce for careers in energy efficient building construction, retrofitting, and manufacturing through a series of customized training courses that address the skills gap of the targeted workforce. Training will feature three areas of instruction: 1) Advanced Building Information Modeling (BIM); 2) HVAC Testing, Adjusting, and Balancing (TAB); and, 3) Phenolic Installation.

**Proposed Outcomes:** The grantee anticipates that 1,200 sheet metal workers will successfully complete customized training and transition into employment in energy efficient occupations.

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**Grantee:** Labor's Community Action, Inc.

**Location of Grant Activities:** Colorado

**Areas Affected:** The statewide partnership will primarily serve the urban areas of Denver and Colorado Springs, with training opportunities available for rural residents through online curriculum and portable training equipment.

**Auto-Impacted County Being Served:** N/A

**Industries of Focus:** Energy-Efficiency Building Construction and Retrofitting, Renewable Electric Power, and Energy-Efficiency Assessment

**Highlighted Participants Served:** Dislocated workers, incumbent workers, and newly trained workers

**National or Local Grant:** Local

**Amount:** \$ 3,604,162

**Key Partnerships:** Community College of Denver (CCD), Denver Office of Economic Development (OED), Denver Joint Electrical Apprenticeship Training Center (DJEATC), FRESC: Good Jobs, Strong Communities, IBEW Local Union 68, National Electrical Contractors Association (NECA)

**Project Description:** Green Careers for Coloradans will provide access to training and certification opportunities for incumbent, newly trained, and unemployed workers for positions in Electrical, Electrical Power-Line Installation and Repair, Wind and Energy Auditing, and Solar Photovoltaic Installation. Training will be delivered using three methods: certificate upgrades, registered apprenticeship training, and pre-apprenticeship or basic skills development.

**Proposed Outcomes:** Green Careers for Coloradans will provide opportunities for incumbent, newly trained, and unemployed construction workers to gain industry recognized certifications, and increase access to apprenticeship programs to address worker shortages in the Energy Efficient Building, Renewable Electric Power, and Energy Efficiency Assessment Industries. The program proposes to enroll 1,913 program participants and place 80 percent of program participants into unsubsidized employment.

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**Grantee:** Austin Electrical Joint Apprenticeship Training Committee (JATC)

**Location of Grant Activities:** Arizona, Oklahoma, Kansas, New Mexico, and Texas

**Areas Affected:** Arizona, Oklahoma, Kansas, New Mexico, Texas, including Bexar County, TX

**Auto-Impacted County Being Served:** Bexar (TX)

**Industry Focus:** Renewable Electric Power

**Highlighted Participants Served:** Unemployed workers and incumbent workers

**National or Local Grant:** Local

**Amount:** \$4,842,424

**Key Partnerships:** Central Texas Chapter National Electrical Contractors Association (NECA) and Local Union No. 520 of the International Brotherhood of Electrical Workers (IBEW), ImagineSolar, Texas Workforce Commission, five Workforce Investment Boards, and Austin Energy

**Project Description:** The grantee will partner with training provider ImagineSolar and the Austin Workforce Investment Board (WIB) to create a Comprehensive-National Electrician Solar Training (C-NEST) initiative. C-NEST will combine utility-scale solar installation training designed to meet immediate employment needs at solar power plants in Austin and San Antonio, with general solar training intended to support capacity-building in the project's five-state region.

**Proposed Outcomes:** Approximately 1,000 individuals are expected to be trained in solar-specific and smart-grid electrical competencies. The program plans to place or retain 672 workers in sustainable employment.

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**Grantee:** Community Housing Partners Corporation

**Location of Grant Activities:** Virginia

**Areas Affected:** Alleghany, Bland, Botetourt, Bristol, Carroll, Craig, Covington, Floyd, Franklin, Galax, Giles, Grayson, Montgomery, Pulaski, Radford, Roanoke (City and County), Salem, Smyth, and Washington

**Auto-Impacted Counties Being Served:** Pulaski and Smyth

**Industries of Focus:** Energy-Efficient Building, Construction, and Retrofit, and Energy Efficiency Assessment serving residential, commercial, and industrial sectors

**Highlighted Participants Served:** Unemployed and dislocated workers

**National or Local Grant:** Local

**Amount:** \$3,865,480

**Key Partnerships:** Construction and Laborers' Local 980, Breakell, Inc., New VA Corridor Technology Council (NCTC), three Workforce Investment Boards, and three community colleges

**Project Description:** The Western Virginia Construction, Retrofitting, and Energy-Efficiency Assessment and Training and Employment System (CREATES) initiative builds training and employment services within a regional career pathways system. The project will upgrade existing regional training programs and develop and implement new curricular components to provide training participants with the preferred education, work experience, and certifications that demonstrate mastery of energy efficiency practices related to their careers.

**Proposed Outcomes:** Training activities are designed to prepare participants to pass the requirements necessary for five certifications and degrees. The project will serve approximately 380 participants. An estimated 280 participants are expected to complete education and training activities and obtain employment. Project deliverables include new and modified curricula for various portions of the Virginia Community College (VCC) pathways system.

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**Grantee:** Broward County Minority Builders Coalition

**Location of Grant Activities:** Florida

**Areas Affected:** Broward County

**Auto-Impacted County Being Served:** N/A

**Industries of Focus:** Solar Photovoltaic and Weatherization

**Highlighted Participants Served:** Unemployed workers, veterans, women, ex-offenders, and minorities

**National or Local Grant:** Local

**Amount:** \$3,280,656

**Key Partnerships:** Workforce One, Broward County Housing Finance and Community Development, Broward County Community Action Agency, Broward County Family Success Center, Broward Technical Centers, Advanced Green Technologies, International Brotherhood of Electrical Workers Local 729, Broward County Minority Business Coalition, and Broward Alliance for Neighborhood Development

**Project Description:** The Broward County Minority Builders Coalition will train and place individuals in five occupations which include: solar thermal system designer and installer; solar PV designer and installer (skilled); solar PV system installer (entry level); weatherization technician/installer; and LEED (Leadership in Energy and Environmental Design) Green Associate.

**Proposed Outcomes:** The Broward County Minority Builders Coalition will recruit 1,000 participants and it is anticipated that 700 will complete education and training requirements and be placed into jobs.

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**Grantee:** Ohio Electrical Labor Management Cooperative Committee

**Location of Grant Activities:** Ohio

**Areas Affected:** Ohio

**Auto-Impacted Counties Being Served:** Adams, Allen, Auglaize, Carroll, Champaign, Clermont, Clinton, Crawford, Cuyahoga, Defiance, Erie, Fulton, Hamilton, Hancock, Hardin, Henry, Highland, Huron, Jackson, Knox, Logan, Lorain, Lucas, Madison, Montgomery, Morrow, Noble, Paulding, Pike, Preble, Putnam, Richland, Ross, Sandusky, Seneca, Shelby, Summit, Trumbull, Union, Van Wert, Wayne, Williams, Wood, and Wyandot

**Industries of Focus:** Energy-Efficient Building, Construction, and Retrofit in combination with the Renewable Electric Power sector

**Highlighted Participants Served:** Incumbent and dislocated workers including veterans

**National or Local Grant:** Local

**Amount:** \$4,826,073

**Key Partnerships:** Community colleges; Joint Apprenticeship Training Committees (JATCs); regional Workforce Investment system; Ohio electrical contractors (NECA) and labor (IBEW); Helmets to Hardhats program

**Project Description:** The Ohio Green Renewable Opportunities for Workers (GROWs) project utilizes 19 existing industry training centers to provide green skills training to dislocated and incumbent workers in Ohio, including 44 counties impacted by automotive-related restructuring. The project focuses on a registered apprenticeship model and will work in concert with local Jobs and Family Services offices to transition participants who are dislocated from jobs in the auto industry to explore green careers.

**Proposed Outcomes:** The Ohio GROWs project will provide training for 1,288 participants who will earn nationally recognized certificates from the National Joint Apprenticeship Training Committee (NJATC), as well as college credit through the University System of Ohio. The project will develop an operational manual to provide a step-by-step implementation model of the scope of work encompassed by the project.

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