

# Federal Workforce Training Grant Investments

## Summary

### **DOL State Energy Sector Partnership (SESP) and Training Grants** (pages 2-7)

To highlight the important role States play in building a national green economy, the Department Of Labor invested in workforce sector strategies that target energy efficiency and renewable energy industries as well as other green industries. 34 awards ranging from approximately \$2 million to \$6 million each were made.

**9 awards to State Workforce Agencies in the Midwest totaling \$53,816,889** (IL, IN, IA, KS, MI, MN, MO, OH, WI)

### **DOL Energy Training Partnership (ETP)** (pages 8-12)

These grants are built on strategic partnerships — requiring labor and business to work together. Of the \$100 million awarded nationwide, approximately \$28 million of the total funds support projects in communities impacted by auto industry restructuring. 25 projects ranging from approximately \$1.4 to \$5 million each received grants.

**6 awards to specific partnerships in the Midwest totaling \$23,354,052** (IA, MN, WI, OH, MO, MI)

**5 awards to national partnerships that include Midwest states totaling \$21,440,526** (IL, IN, KS, MI, MO, OH)

### **DOE Smart Grid Workforce Training Grants** (pages 13-16)

DOE awarded nearly \$100 million for 54 smart grid workforce training programs that will help prepare the next generation of workers in the utility and electrical manufacturing industries. These projects will leverage more than \$95 million in funding from community colleges, universities, utilities and manufacturers to develop and implement training programs.

**14 projects were selected within the MGA region, totaling \$29,321,027.** Combined with the leveraged funding from the projects, the total investment is \$70,494,649 in the region. States receiving include IA, IL, IN, KS, MI, MN, MO, OH and WI.

### **DOL Pathways out of Poverty (POP)** (pages 17-22)

These grants integrate training and supportive services into cohesive programs that will help targeted populations find pathways out of poverty and into economic self-sufficiency through employment in energy efficiency and renewable energy industries. Nationwide, forty (40) awards ranging from approximately \$1 million to \$8 million each were made.

**8 awards to local partnerships in the Midwest totaling \$28,362,372** (IA, MI, MN, MO, OH)

**4 awards to national partnerships that include Midwest states totaling \$26,360,408** (IL, MI, OH, WI)

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**NET TOTAL DIRECT WORKFORCE INVESTMENT IN MGA STATES: \$130M+**

# State Energy Sector Partnership (SESP)

## Overview

To highlight the important role States play in building a national green economy, the Department Of Labor invested in workforce sector strategies that target energy efficiency and renewable energy industries as well as other green industries. These investments foster the development of a national workforce that is ready to meet the demands of the energy efficiency and renewable energy industries. A portion of the funds under this SGA will be reserved for communities or regions undergoing auto industry related restructurings.

Thirty four (34) awards ranging from approximately \$2 million to \$6 million each were made to State Workforce Investment Boards (SWIBs) in partnership with their State Workforce Agency, local Workforce Investment Boards or regional consortia of Boards, and One Stop Career Center delivery systems.

The Employment and Training Administration (ETA) encouraged grantees to engage in a strategic planning process that aligns with the Governor's overall workforce vision, State energy policies, and local and regional training activities that lead to employment in targeted industry sectors. The strategic planning process was an opportunity for States to develop a statewide energy sector strategy through a comprehensive partnership and development of a Sector Plan.

These investments are designed to achieve the following goals:

- Create an integrated system of education, training, and supportive services that promotes skill attainment and career pathway development for low-income, low- skilled workers leading to employment in green industries.
- Support States in implementing a comprehensive statewide energy sector strategy including the Governor's overall workforce vision, State energy policies, and training activities that lead to employment in targeted industry sectors;
- Build and strengthen partnerships dedicated to building a skilled energy efficiency and renewable energy workforce;
- Develop new partnerships with other agencies receiving Recovery Act funds to support strategic planning and implementation efforts; and
- Create an integrated system of education, training, and supportive services that promotes skill attainment and career pathway development for low-income, low- skilled workers leading to employment in green industries.

## **SESP GRANTEES**

### **Summary of Targeted Industry Sectors from SESP grants**

- Advanced Energy Storage
- Bio-fuels
- Clean, Renewable Energy Production & Transmission
- Renewable Energy Manufacturing and Supply Chain
- Renewable Energy Operation and Construction
- Green Construction & Deconstruction
- Energy Efficient Construction and Retrofit
- Energy Efficient Construction
- Clean energy/green related manufacturing
- Green energy supply chain in Wind, Solar, and Biomass
- Green Manufacturing
- Hazardous Materials Abatement
- Smart Grid and Electrical Transmission
- Smart Grid: Enhancing several existing apprenticeship programs including Sheet Metal Worker, Steamfitter, Construction Electrician, Electric Metering, Electric Line Worker, and Substation Electrician to prepare workers for long term careers working in the Smart Grid industry to incorporate renewable energy skills and green manufacturing training
- Solar energy
- Solar energy systems (photovoltaic and thermal)
- Wind systems
- Geothermal
- Sustainable Agriculture
- Transportation Efficiency and Renewable Fuels,
- Wastewater Treatment Plant Operator
- Wind Energy

### ***State Energy Sector Partnership (SESP) and Training Grants***

- ❖ **Nine awards to State Workforce Agencies in the Midwest totaling \$53,816,889**
- ❖ States include: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Ohio, and Wisconsin

#### **Illinois Department of Commerce and Economic Opportunity (\$6,000,000)**

- Engaging Illinois Workforce Investment Board, Illinois Environmental Protection Agency, Chicago Jobs Council, Illinois Governor's Office, Illinois State University, and Illinois Department of Veterans Affairs, Leander Construction, and S&H Floor Covering as key partners.
- Developing a statewide strategy to meet the workforce development needs of employers directly involved in green energy industries (including Energy Efficiency, Renewable Energy, Transportation Efficiency and Renewable Fuels, Clean Coal Energy, Energy-Related Manufacturing).
- Analyzing and determining the occupational and skills needs of the green energy sectors where investments will be made, and developing a statewide strategy for training workers in targeted industries.
- Implementing such projects as the Greater Rockford Solar Initiative, and the Chicago Green Jobs for All Initiative which will provide training and certification to targeted populations.
- Focusing on 3 counties (Boone, Cook, McLean)
- Training and placing 1,310 participants in energy efficiency occupations and helping 1,694 program completers earn industry-recognized degrees such as BPI Building Analyst, RESNET Certified Auditor, and LIUNA Energy Auditor.

### Indiana Department of Workforce Development (\$6,000,000)

- Engaging State Workforce Innovation Council, Indiana Economic Development Corporation, Indiana Chamber of Commerce, Region 10 Workforce Board, Ivy Tech Community College, Southeastern Indiana Small Business Development Center, American StructurePoint, Inc., Indiana State Building and Trades Council as key partners.
- Establishing Indiana's Green Energy Technology Instruction and Training (I GET IT) as a collaborative effort between various state agencies that will provide participants with training strategies that will fill the current skills gaps, and provide new skills that will help Hoosiers transition to occupations in the emerging green energy sectors (including Green Manufacturing, Energy Efficient Construction and Retrofit, Clean Energy Production).
- Focusing on all auto-impacted counties in Indiana.
- Providing on-the-job training, coupled with traditional classroom instruction, and on-line learning to create a pipeline of skilled worker, as well as developing curriculum and bringing together an array of traditional and alternative energy technology programs.
- Establishing an Advanced Energy Training Center to facilitate the state's transition to a green economy.
- Training 2,190 program completers and helping 2,075 individuals gaining employment in green-related fields.

### Iowa Workforce Development (\$5,997,000)

- Engaging Iowa Office of Energy Independence, Iowa Association of Business and Industry, Iowa association of Community College Trustees, Iowa Department of Education, Master Builders of Iowa, International Union of Painters and Allied Trades, Iowa Utility Association, Iowa Federation of Labor AFL-CIO, International Brotherhood of Electrical Workers, Central Iowa Works (CIW), Siouxland Tri-State Regional Innovation Project, Center For Industrial Research Services at Iowa University (CIRAS), The Institute for Decision Making at the University of Northern Iowa, and Kirkwood Community College Outreach Services as key partners.
- Implementing a state- driven green workforce development plan with prioritized training needs, as identified by the State Green Jobs task force.
- Developing a statewide sector plan for the emerging energy economy that will: 1) focus on sustainable jobs in the Energy Sector, 2) train workers with portable skills that provide opportunities and lateral movement within the energy continuum, 3) train both new and incumbent workers, and 4) prioritize energy sector jobs for the state.
- Focusing on 10 counties (Cass, Chickasaw, Fremont, Howard, Iowa, Louisa, Plymouth, Poweshiek, Union, and Wright)
- Training workers for specific industries within the Energy Sector based on going data analysis that draws on Bureau of Labor Statistics, the Recovery Act, and Iowa Workforce Development data (including Wind Energy, Solar Energy, Smart Grid and Electrical Transmission, Biofuels, Energy Efficient Construction and Building Retrofits, Deconstruction, Hazardous Materials Abatement, Energy Assessment, Energy Audit, Manufacturing, and Sustainable Agriculture).
- Creating a sustainability plan based on the findings of Sector Partnership effectiveness will be developed and shared, with approval from the Office of the Governor, with the membership of Midwest Governor's Association.

#### Kansas Department of Commerce (\$5,999,890)

- Engaging Clipper Wind, Westar Energy, Southern Star, International Brotherhood of Electrical Workers, Kansas Apprenticeship Program, Kansas Economic Development Alliance, Western Kansas Regional Economic Development Authority, Kansas Department of Corrections as key partners.
- Recruiting candidates to be trained in the targeted industries through KansasWorks (including Renewable Energy Operation and Construction, Renewable Energy Manufacturing and Supply Chain, Energy Transmission, Biomass, and Green Construction)
- Focusing on 1 county (Allen)
- Delivering training through the state's postsecondary community and technical college system, and drawing upon professional associations and existing industry training delivery systems to provide additional capacity.
- Recruiting 1,580 individuals, with 1,316 entering training, and 1,053 completing training and earning certification.

#### Michigan Department of Energy, Labor, & Economic Growth (\$5,819,999)

- Engaging The State of Michigan Council for Labor and Economic Growth, Michigan Department of Human Services, Michigan Department of Education, Michigan Department of Environmental Quality, Michigan Department of Agriculture, Utility Workers of America (AFL-CIO), AARP of Michigan, Michigan Works, Michigan Economic Recovery Office, Michigan State University, Michigan Economic Development Corporation, Great Lakes Bay Solar Team, Southeast Michigan Works Agencies Coalition Solar Project Team, Career Alliance Energy Efficient Construction Project Team, Southeast Michigan Works Agencies Coalition Advanced Energy Storage Project Team, ASG Renaissance, IT-Services Corporation, and Dow Corning Corporation as key partners.
- Utilizing the state's 2008 Green Jobs initiative in conjunction with the state's green partnership team, to implement the Governor's Green Jobs Initiative and provide training in Advanced Energy Storage, Solar Industries, and Energy Efficient Construction.
- Working with: 1) two solar-focused regional project teams that will provide training on chemical processing and solar engineering and installing; 2) a regional project team for advanced energy storage that will provide undergraduate and/or graduate level training in renewable electric power, as well as energy efficient and advanced drive trains across several concentrations; and 3) an energy efficient construction local project team that will target growth occupations and train participants for certificates in Green Construction, and Sustainable Construction.
- Focusing on 12 counties and 3 regions (Midland, Saginaw, Genesee, Bay, Roscommon, Losco, Livingston, Monroe, Wayne, Clair, Macomb, and Oakland counties)
- Serving 1,282 participants, providing support services to 1,137 participants, and placing 1,052 participants in employment.

#### Minnesota Department of Employment and Economic Development (\$6,000,000)

- Engaging as key partners: Minnesota Community Action Partnership, Minnesota Rural Electric Association, BlueGreen Alliance, Department of Commerce, Solar Skies, Minnesota Municipal Utilities Association, Institute on the Environment, University of Minnesota; Heron Lake BioEnergy, LLC, Governor's Workforce Development Council; Schools for Energy Efficiency (SEE) Program, BioBusiness Alliance of Minnesota, Minnesota OIC State Council, Minnesota State Building and Trades Council, St. Paul Public Schools—ABE, Minnesota State Colleges and Universities, Department of Education, Department of Veterans Affairs, Teamsters Joint Council 32, Minnesota AFL-CIO, Department of Labor and Industry, and Minnesota West Community and Technical College

- Meeting the skill needs of the targeted industries (including Energy-Efficient Building, Construction, and Retrofit, Renewable Energy, and Biofuels)
- Focusing on 2 counties (Clearwater and Ramsey)
- Providing integrated basic and pre-vocational skills training with supportive services, integrated remedial education and college preparatory training, wrap around supports, and accelerated learning with flexible entry points to the current and potential workforce through multi-faceted delivery approaches including on-the-job training, career pathways, blended instruction, bridge programming, incumbent worker training, and apprenticeship.
- Serving a total of 1,495 participants: 80 percent or 1,196 of the participants being served will complete education and/or training activities; 90 percent or 1,076 of those who complete education and/or training activities will receive a degree or certificate; and 75 percent, or 897 individuals, who complete education and/or training activities will be placed in unsubsidized employment.

#### Missouri Division of Workforce Development (\$6,000,000)

- Engaging as key partners: Missouri State Workforce Investment Board, Missouri Division of Workforce Development, Missouri Department of Natural Resources, Missouri Departments of Agriculture, Economic Development, and Higher Education, Heat and Frost Insulators and Asbestos Workers Union, Missouri Community College Association, and University of Missouri
- Establishing career awareness and educational pathways to training and education opportunities for occupations in solar energy systems (photovoltaic and thermal), wind systems, geothermal, biofuels, landfill gas, other energy sources as identified, and energy efficiency.
- Focusing on 5 counties (St. Louis, St. Charles, Lincoln, Clay, and Randolph County)
- Supporting implementation of two training programs that emphasize veterans: 1) the Renewable Energy Training Institute in St. Louis will create a veterans priority training program and 2) Missouri's three Heat and Frost Insulators and Allied Workers Unions will add new capacity to their registered apprenticeship programs.
- Providing 480 incumbent journeymen and apprentices with enhanced qualifications in commercial and industrial energy efficiency assessment and cost estimating and supporting 120 veterans and/or qualified spouses of active duty military personnel to complete the Renewable Energy Training Institute Veterans Certificate of Completion and Apprenticeship Program.

#### State of Ohio (\$6,000,000)

- Engaging as key partners: state and Local Workforce Investment Boards; Sandusky County Economic Development Corporation; Ohio Department of Veterans Services; Governor's Office on Energy Efficiency and Renewable Energy; Hocking College, Owens Community College, Ohio University, Stark State College of Technology, University of Toledo; International Association of Heat and Frost Insulators and Allied Workers, AFL-CIO, Stark County Community Action Agency, University of Clean Energy Alliance of Ohio, Ohio University Voinovich Center, Owens Community College, First Solar, Willard & Kelsey, Xunlight, Rotek, Inc., Schmack BioEnergy, LLC, Cardinal Fastener and Supply Company, Inc., and Hull Associates
- Developing a pipeline of qualified, skilled workers that meets employer demand and promotes a robust green energy supply chain in Wind, Solar, and Biomass.
- Working directly with energy employers, the training component of the project matches each trainee's course work, certifications, and/or degrees with specific skill requirements for hiring and advancement
- Leveraging Ohio's expertise in creating "stackable certificates" that can be rearranged to offer both employers and students the flexibility that is needed in a rapidly changing economy.

- Focusing on 50% of Ohio's counties.
- Enrolling 1,600 individuals in training and helping 1,275 participants earn industry-recognized certificates in residential energy auditing, building operator, and OSHA safety.

Wisconsin Department of Workforce Development (\$6,000,000)

- Engaging as key partners: Risser Energy Center of Wisconsin, Wisconsin Technical College System, Milwaukee Building and Construction Trades Council, Wisconsin Regional Training Partnership/Big Step, Bureau of Apprenticeship Standards, Office of Veterans Services, Milwaukee Area Workforce Investment Board, International Brotherhood of Electrical Workers Local 2150, Wisconsin Energy Corporation, Department of Commerce, Ruud Lighting, Wisconsin State AFL-CIO, Wisconsin Commission Action Program Association, Wisconsin Office of Energy Independence, and Wisconsin Energy Conservation Corporation
- Implementing the the Wisconsin Sector Alliance for the Green Economics (SAGE) project to provide green skills training in construction, manufacturing, and smart grid utility occupations within the energy sector.
- Creating new apprenticeship programs such as Weatherization Technician, Energy Auditor, and Wastewater Treatment Plant Operator and enhancing several existing apprenticeship programs including Sheet Metal Worker, Steamfitter, Construction Electrician, Electric Metering, Electric Line Worker, and Substation Electrician to prepare workers for long term careers working in the Smart Grid industry to incorporate renewable energy skills and green manufacturing training.
- Energizing existing energy efficiency and renewable energy related skilled trades through updated and new curriculum, train the trainer academies and workshops for journey workers, new apprentices, and currently enrolled apprentices.
- Focusing on 2 counties (Kenosha and Rock)
- Helping approximately 2,944 participants to complete training and receive a certificate or degree and 2, 503 to be placed in training related jobs.

# Energy Training Partnership (ETP) Grants

## Overview

On January 4, 2010, Secretary of Labor Hilda L. Solis announced nearly \$100 million in Energy Training Partnership green jobs training grants, as authorized by the American Recovery and Reinvestment Act of 2009 (Recovery Act). Approximately \$28 million of the total funds support projects in communities impacted by auto industry restructuring. 25 projects ranging from approximately \$1.4 to \$5 million each received grants. These grants are built on strategic partnerships — requiring labor and business to work together.

The Energy Training Partnership grant program provides training for workers that prepare 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. The grantees will utilize these partnerships to design and distribute training approaches that lead to portable industry credentials and employment, including registered apprenticeship.

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 \$28 million—are reserved for projects that will serve communities impacted by automotive industry-related restructuring.

## ❖ Six awards to specific partnerships in the Midwest totaling \$23,354,052

- States in these partnerships include: Iowa, Minnesota, Wisconsin, Ohio, Missouri, and Michigan

## ❖ Five awards to national partnerships that include Midwest states totaling \$21,440,526

- States in these partnerships include: Michigan, Ohio, Missouri, Illinois, Indiana, and Kansas

## Blue Green Alliance (\$5,000,000)

- **Minnesota** Covering Twin Cities 7-County Metro Area (Anoka, Carver, Dakota, Hennepin, Ramsey, Scott and Washington), 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
- Key partners include: 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



- Training 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.
- Adapting a new curriculum for certified green manufacturing training from existing curricula to address the training needs of employers creating green jobs.
- Serving approximately 2,060

#### Communications Workers of America (CWA) National Education and Training Trust (\$3,969,056)

- **Ohio** (Allen, Cuyahoga, Hamilton, Montgomery, Richland, Seneca, Shelby, and Trumbull counties)
- Key partners include: 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
- 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.
- Leveraging the nationally acclaimed MSSC Certified Production Technician (CPT) program.
- Providing 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.

#### E.C.I.A. Business Growth, Inc. (\$2,060,250)

- 3 state partnership of **Iowa, Minnesota and Wisconsin**, affecting a 27 county region
- Key partners include: 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.
- Developing and implementing three separate career ladders to connect workers to jobs in renewable electric power, energy efficient assessment, and energy efficient building: 1) A.A.S. and diploma technician programs in Wind Turbine Repair, 2) RESNET Home Energy Rater training and 3) Green Building Professional certifications for residential and commercial construction.
- Planning on future curriculum enhancement for green electrical skills and continuing education in wind technology based on regional job need and supply.
- Serving 392 participants, with 344 completing training activities.
- Providing trainees 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.

#### Ohio Electrical Labor Management Cooperative Committee (\$4,826,073)

- **Ohio** (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 counties)

- Key partners include: Community colleges; Joint Apprenticeship Training Committees (JATCs); regional Workforce Investment system; Ohio electrical contractors (NECA) and labor (IBEW); Helmets to Hardhats program
- Leveraging 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.
- Focusing on a registered apprenticeship model and working 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.
- Providing 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.

#### SER Metro-Detroit, Jobs for Progress, Inc. (\$4,298,673)

- **Michigan**
- Key partners include: 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).
- Coordinating several partnerships to provide combined academics with green occupational skills training, on-the-job training (OJT), employment or apprenticeship opportunities, and support services.
- Serving approximately 340 unemployed workers who will be trained for green jobs or apprenticeship opportunities through five training tracks and awarded a CCCD Convergent Technology Energy Efficiency Training Certificate and/or appropriate certifications for completing 391 hours of instruction, training or OJT requirements.

#### UAW-Labor Employment and Training Corporation (UAW-LETC) (\$3,200,000)

- **Missouri** (St. Louis and St. Charles counties)
- Key partners include: 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
- Retraining dislocated and incumbent automotive and auto-related workers for employment in energy efficiency and clean energy sectors and pathways, including: 1) Hybrid/Electric Auto Technician, 2) Electric Auto/Truck Battery Technician, 3) Electric Motors/Devices Technician, and 4) Commercial Energy Technician.
- Developing a Green Portal Program that participants will access for career exploration in green industries, career assessment, labor market information, and job search assistance.
- Training approximately 430 dislocated and incumbent workers.

## NATIONAL PARTNERSHIPS

### Austin Electrical Joint Apprenticeship Training Committee (JATC) (\$4,842,424)

- States include Arizona, Oklahoma, **Kansas**, New Mexico, and Texas
- Key partners include: 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
- Partnering with training provider ImagineSolar and the Austin Workforce Investment Board (WIB) to create a Comprehensive-National Electrician Solar Training (C-NEST) initiative that combines 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.
- Serving approximately 1,000 individuals who are expected to be trained in solar-specific and smart-grid electrical competencies, with 672 being placed or retained in sustainable employment.

### Institute for Career Development (ICD), Inc. (\$4,658,983)

- **Indiana (Lake, Porter, LaPorte, Newton, Jasper, Starke, and Pulask counties); Ohio (Cuyahoga county);** New York (Erie county); and Pennsylvania (Montgomery county)
- Key partners include: 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
- Training participants as wind farm field technicians and maintenance workers, solar panel installers, or geothermal installers.
- Preparing workers for employment in fields related to energy generation such as construction, HVAC, and home retrofitting.
- Serving 2,000 participants, with 1,200 completing training activities, and 800 receiving a degree or certificate that aligns with employer-, industry-, or State- defined standards.

### International Training Institute for the Sheet Metal and Air Conditioning Industry (\$4,995,188)

- States and cities include: **Michigan (Detroit, Livonia, Ann Arbor, Warren, Wayne); Ohio (Cleveland, Toledo, Akron, Youngstown); Missouri (St. Louis), Illinois (E. St. Louis);** California, New Mexico, and Texas
- Key partners include: 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
- Preparing 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.
- Featuring three areas of instruction in training: 1) Advanced Building Information Modeling (BIM); 2) HVAC Testing, Adjusting, and Balancing (TAB); and, 3) Phenolic Installation.
- Helping 1,200 sheet metal workers successfully complete customized training and transition into employment in energy efficient occupations

### International Transportation Learning Center (\$5,000,000)

- States include: **Ohio (Columbus)**, New York, New Jersey, and Utah
- Key partners include: 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
- Preparing workers for careers in public transportation – an industry which is embracing energy efficient technology – through the expansion of industry training activity and capacity in a sustainable way.
- Leveraging 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.
- Training 3,640 workers in the public transportation industry.

### National Ironworkers and Employers Apprenticeship Training and Journeyman Upgrading Fund (\$1,943,931)

- States and cities include: California (La Palma), **Illinois (Joliet)** , New York(West Seneca), Texas (Arlington), and Utah (Salt Lake City)
- Key partners include: 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
- The National Ironworkers and Employers Apprenticeship Training and Journeyman Upgrading Fund is partnering with five of its local labor-management apprenticeship committees with existing training centers.
- Providing training to ironworkers who require up-skilling for the renewable wind energy sector, and placing ironworkers on wind turbine erection projects.
- Providing portable training certificates and supporting participation in public education technical training and education institution specializing in training in wind turbine erection and maintenance for wind turbine contractors and employers working in the five communities with expressed need for ironworkers.
- Engaging at least 510 ironworkers in training and participants who successfully complete training will receive a certificate of competence from an industry partner.

# DOE Smart Grid Workforce Training Grants

## Overview

In April 2010, the Department of Energy announced award selections for nearly \$100 million for 54 smart grid workforce training programs that will help prepare the next generation of workers in the utility and electrical manufacturing industries. These projects will leverage more than \$95 million in funding from community colleges, universities, utilities and manufacturers to develop and implement training programs. The selectees estimate that the programs will train approximately 30,000 Americans. These workers will help to modernize the nation's electrical grid and implement smart grid technologies in communities across the country.

The programs focus on training activities that support electricians, line workers, technicians, system operators, power system engineers, cyber security specialists and transmission planners. The selections include support to develop and deploy training programs broadly as well as to conduct actual personnel training for current and future employees. Workers will receive training on the transmission and distribution systems as well as new intelligent grid systems, such as smart meters, phasor measurement sensors and advanced communication networks.

The award selections support two types of workforce training initiatives:

- **Developing and Enhancing Workforce Training Programs for the Electric Power Sector (Topic A)** - 33 projects have been selected to receive \$41.6 million in Recovery Act funds for the development of new training programs, strategies and curricula related to the electric power sector and the smart grid. These new programs include projects at universities, community colleges and technical schools that will help serve as models for training or retraining workers across the country. The awards also include support for the Strategic Training and Education in Power Systems (STEPS) initiative, which will develop cross-disciplinary electric power system programs at the university and college level.
- **Smart Grid Workforce Training (Topic B)** - 21 projects have been selected to receive \$57.7 million in Recovery Act funds to conduct workforce training programs for new hires—including displaced workers and military veterans—and retraining programs for electric utility workers and electrical equipment manufacturers to further enhance their knowledge of smart grid technologies and their implementation. These projects will help ensure utilities and manufacturers have the necessary trained workforce to support the ongoing smart grid deployment projects, including Smart Grid Investment Grants and Demonstration Projects funded under the Recovery Act.

15 projects were selected within the MGA region, totaling \$30,049,087 in Recovery Act Funding. Combined with the leveraged funding from the projects, the total investment is \$71,303,607 in the region.

States receiving DOE grants include Iowa, Illinois, Indiana, Kansas, Michigan, Minnesota, Missouri, North Dakota, Ohio and Wisconsin.

HQ State	HQ City	Name of Primary Selectee	Project Type	Project Title and Brief Project Description	Project Locations	Recovery Act Funding*	Total Project Value Including Cost Share
IA	Marshalltown	Iowa Valley Community College District	Developing and Enhancing Workforce Training Programs (Topic A)	Iowa Valley Collaborative Line worker Training and Awareness Project - Streamline the apprenticeship system to increase flow in the line worker pipeline. The project builds awareness of the line worker career among displaced workers from other sectors, underemployed individuals seeking better jobs, and high school students to recruit them into a pre-employment diploma program, placing 80% of its graduates in electric power sector jobs.	Iowa	\$634,399	\$761,279
IA Total						\$634,399	\$761,279
IL	Chicago	Council for Adult and Experiential Learning	Smart Grid Workforce Training (Topic B)	EPCE Workforce Preparedness for Smart Grid Deployment - Create new online curriculum to train current and future electric power industry workers that will support clean energy solutions and smart grid deployment. This project will provide critical workforce preparedness training for more than 1,800 current and future employees of six electric power entities - Arizona Public Service, Com Ed (an Exelon company), JEA, Northeast Utilities, PECO (an Exelon company), and PJM Interconnection.	Illinois Arizona Colorado Connecticut Florida Massachusetts New Hampshire North Dakota Pennsylvania	\$2,549,467	\$5,398,961
		Illinois Institute of Technology	Smart Grid Workforce Training (Topic B)	A World-Class Smart Grid Education and Workforce Training Center - Develop and deploy smart grid technology courses and certificate programs via instructor-led and distance-learning methodologies. The Center is expected to train about 49,000 power industry employees, union workers, teachers, and students in a three year period.	Illinois California Mississippi South Dakota Tennessee	\$4,999,999	\$12,620,153
IL Total						\$7,549,466	\$18,019,114
IN	Indianapolis	Ivy Tech Community College	Smart Grid Workforce Training (Topic B)	Crossroads Smart Grid Training Program - Develop trained operators, technicians, engineers, and research scientists necessary to achieve Indiana's renewable power and energy objectives. 1,500 student-seats for new smart grid training will be offered.	Indiana	\$4,699,353	\$7,970,762
IN Total						\$4,699,353	\$7,970,762
KS	Pratt	Pratt Community College	Developing and Enhancing Workforce Training Programs (Topic A)	Kansas Community College Energy Consortium: Smart Grid Curriculum Development - Enhance electric power and information network training programs with smart grid technology. Project develops online and hybrid smart grid training modules, provides career pathways toward industry certifications and degrees (e.g. "stackable" credentials in clean energy), and enhances training with simulation software.	Kansas	\$749,375	\$861,275
KS Total						\$749,375	\$861,275
MI	Lansing	Michigan Department of Energy, Labor & Economic Growth	Smart Grid Workforce Training (Topic B)	Michigan Electric Power Workforce Training Strategy - Create career pathways for Michigan workers in skilled trades and other in-demand jobs in the electric power workforce sector. This project serves 588 individuals through training for employment in the electric power sector.	Michigan	\$4,388,025	\$21,178,965
	Marquette	Northern Michigan University	Developing and Enhancing Workforce Training Programs (Topic A)	Northern Michigan University's Electrical Power Technician Workforce Training Program - Further develop and enhance newly established Electric Power Technician workforce training program, providing quality training for entry level technicians in the electrical power industry.	Michigan	\$673,462	\$785,955
MI Total						\$5,061,487	\$21,964,920

HQ State	HQ City	Name of Primary Selectee	Project Type	Project Title and Brief Project Description	Project Locations	Recovery Act Funding*	Total Project Value Including Cost Share
MN	Minneapolis	Regents of the University of Minnesota	Strategic Training and Education in Power Systems (STEPS - Topic A)	A Nationwide Consortium of Universities to Revitalize Electric Power Engineering Education by State-of-the-Art Laboratories - Facilitate the implementation of laboratories at the university level to create a new educational framework in power engineering which will transform undergraduate and graduate education and research in the areas of renewable energy (such as wind and solar, storage, and energy conservation) and meet the challenges of making the grid cleaner, smarter, and more reliable. The project complements other Federal grants at the University of Minnesota (including from NSF, NASA, and ONR), and includes a community of over 80 collaborating universities, which will further disseminate the laboratory curriculum to other universities and technical and community colleges in their region.	Minnesota Alabama, Arizona California, Colorado Connecticut, Florida Hawaii, Idaho Indiana, Iowa Kentucky, Louisiana Maine, Michigan Nebraska, Nevada New York, North Dakota Ohio, Oregon Pennsylvania, Tennessee Texas, Utah Vermont, Virginia Washington, West	\$2,500,000	\$4,175,423
	Saint Paul	Saint Paul College	Developing and Enhancing Workforce Training Programs (Topic A)	Saint Paul College Energy Process and Smart Grid Technology Program Re-Development - Re-design the current Energy Process curriculum and programming into an Energy Process and Smart Grid Technology program. The program will be a key vehicle for current energy industry employees who have been displaced to re-tool and refine their current skill set, draw upon their existing work experience and rapidly become trained to work in new sectors and with emerging energy technologies. Over the three year project period, it is expected that 90-360 students will successfully complete a certificate, diploma, or degree in Energy Process and Smart Grid Technology.	Minnesota	\$750,000	\$2,208,699
MN Total						\$3,250,000	\$6,384,122
MO	St. Louis	Ameren Services Company	Smart Grid Workforce Training (Topic B)	Smarter Workforce Training Program - Ensure a highly skilled and trained workforce to install, operate, maintain, and utilize "smart" devices and software that support Ameren's smart grid efforts. The project supports training in three smart grid areas: Advanced Data Management System; new Graphic Information System (GIS) functionality (mapping system); and other smart devices for the electric distribution system. It is expected that over 4,000 individuals will benefit from training.	Missouri Illinois	\$3,520,105	\$9,200,000
		St. Louis Community College	Smart Grid Workforce Training (Topic B)	Lineman Pre-Employment Training - Implement an innovative pre-employment program in collaboration with Ameren, to address the necessary critical skills and technical expertise needed in the energy industry. 300 dislocated and unemployed/underemployed residents of the Greater St. Louis region will be recruited and assessed on their interest and abilities to enter the pre-employment line worker training program.	Missouri	\$82,026	\$164,052
MO Total						\$3,602,131	\$9,364,052

HQ State	HQ City	Name of Primary Selectee	Project Type	Project Title and Brief Project Description	Project Locations	Recovery Act Funding*	Total Project Value Including Cost Share
OH	Cleveland	Cuyahoga Community College District	Developing and Enhancing Workforce Training Programs (Topic A)	Increasing the Competitiveness of the Electric Power Sector through Responsive Workforce Training Strategies - Develop (in collaboration with Cleveland Public Power) curriculum to meet the electric sector workforce needs, specifically to build knowledge of Smart Grid, address skill shortages, and fill workforce vacancies. The project will develop and offer classroom, lab, work-site, and online instruction methods to train about 200 individuals, including existing workers to maintain jobs and future workers for new jobs.	Ohio	\$749,204	\$841,994
	Columbus	The Ohio State University	Strategic Training and Education in Power Systems (STEPS - Topic A)	I-SMART: Integrated Curriculum for Smart Power Engineering - Develop an interdisciplinary curriculum for electric power engineers (I-SMART curriculum) that includes a hardware-in-the-loop based Virtual Smart Grid Test Platform, which will simulate the functions of a real Smart Grid in an integrative environment, and a comprehensive distance learning system. The project will also train high school teachers through hands-on summer workshops and provide materials for the classroom.	Ohio	\$2,499,939	\$3,748,546
<b>OH Total</b>						<b>\$3,249,143</b>	<b>\$4,590,540</b>
WI	Green Bay	Northeast Wisconsin Technical College	Developing and Enhancing Workforce Training Programs (Topic A)	NEW Generation Power Skills Training Development Initiative - Develop and enhance regional training programs for the emerging smart grid workforce that incorporate industry identified "core skills" and utilize multiple delivery methods to accommodate the diverse needs of the learners (e.g., incumbent workers, unemployed, traditional students). The project addresses the emerging demand for middle-skilled smart grid workers in northeast Wisconsin.	Wisconsin	\$525,673	\$578,585
<b>WI Total</b>						<b>\$525,673</b>	<b>\$578,585</b>
<b>Grand Total</b>						<b>\$29,321,027</b>	<b>\$70,494,649</b>

\*Final award amounts subject to negotiation



# Pathways Out of Poverty Grants

## Overview

The Department of Labor invested in Pathways out of Poverty grants, which will integrate training and supportive services into cohesive programs that will help targeted populations find pathways out of poverty and into economic self-sufficiency through employment in energy efficiency and renewable energy industries. These investments will prepare participants for employment within energy efficiency and renewable energy industries and are designed to:

- Include sound recruitment and referral strategies for targeted populations;
- Integrate basic skills and work-readiness training with occupational skills training, as necessary;
- Combine supportive services with training services to help participants overcome barriers to employment, as necessary; and,
- Provide training services at times and locations that are easily accessible to targeted populations.

Forty (40) awards ranging from approximately \$1 million to \$8 million each were made to two categories of grantees: (1) national nonprofit organizations with networks of local affiliates; and (2) local public organizations or private non-profit organizations. In both categories, projects will be implemented at the community level by partnerships that include nonprofit organizations, the public workforce system, the education and training community, employers and industry-related organizations, and labor organizations.

## **Eight awards to local partnerships in the Midwest totaling \$28,362,372**

States in these partnerships include: Iowa, Michigan, Minnesota, Missouri, and Ohio

- Four awards to national partnerships that include Midwest states totaling \$26,360,408

States in these partnerships include: Illinois, Michigan, Ohio, and Wisconsin

## Alternative Opportunities, Inc. (\$2,308,200)

- **St. Louis, MO**
- Industries of Focus: Energy-Efficient Building, Construction, and Retrofit; and Renewable Energy Generation
- Key partners include: Missouri Alliance for Children and Families, International Institute, American Trade School, Rescom Energy Consultants, Missouri Division of Vocational Rehabilitation, Department of Veterans Affairs St. Louis Regional Office, HVAC Renewable Inc., Missouri Solar Energy Industry Association, Missouri Valley Renewable Energy, Missouri Department of Elementary and Secondary Education, and Taylor Engineering Company
- Working closely with the St. Louis Workforce Investment Board, trade associations, state agencies, other community-based organizations, and St. Louis employers to provide training and placement services as pathways out of poverty and into employment. The training is intended to give each participant entry-level skills needed to obtain employment in energy efficiency and emerging renewable energy industries.
- The intensive five-module training program includes energy efficiency and renewable energy generation training opportunities (building performance, weatherization/retrofitting, HVAC basics, solar thermal installation, and solar photovoltaic installation).
- Enrolling 200 participants and 80% of program graduates will be placed into employment.

Better Family Life, Inc. (BFL) (\$3,305,493)

- **St. Louis, MO**
- Industries of Focus: Energy Efficient Building, Construction and Retrofit; Renewable Electric Power; Biofuels
- Key partners include: Better Family Life Inc., Sheet Metal Workers' Local 36, the Missouri Career Center (LWIB), CV Technology, Abengoa Bioenergy, Manufacturing Training Alliance (MTA)
- Better Family Life (BFL), in collaboration with its partners, will prepare disadvantaged individuals for careers as weatherization technicians/installers, solar PV systems installers, LEED Green Associates, and biofuels collection technicians.
- This project will operate from the Metropolitan Employment and Training (MET) warehouse, which has been converted into a simulated manufacturing and construction facility.
- 900 individuals will be trained and 700 individuals will be placed into employment during the 24-month grant period.

City of Minneapolis (\$4,000,000)

- **Minneapolis and Saint Paul, MN**
- Industries of Focus: Energy-Efficient Building, Construction, and Retrofit; Energy-Efficient Building Maintenance; Deconstruction and Materials Use, Recycling, and Waste Reduction; and Sustainable Manufacturing
- Key partners include: Minnesota Multi-Housing Association, Xcel Energy, Bischel Building, Builders Association of Minnesota, Caterpillar Paving, Hennepin County Environmental Services, American Indian OIC, Minnesota Public Schools Adult Basic Education, Saint Paul Public Schools Adult Basic Education, Minneapolis Community and Technical College, Saint Paul College, EMERGE Community Development, Goodwill/Easter Seals of Minnesota, Minneapolis Workforce Council, and Ramsey County Workforce Investment Board
- The project will create career pathways for participants that include training-related assessments, subsidized work experiences, basic skills training, workplace readiness, case management, and supportive services.
- Serving 500 participants of which 250 will receive basic education services, and 400 will complete education/training activities. 300 participants will be placed into unsubsidized employment.

Goodwill Industries International (GII) (\$7,303,634 ) NATIONAL

- **Cities include:** Atlanta, GA; Austin, TX; Charlotte, NC; **Grand Rapids, MI**; Phoenix, AZ; and Washington, DC
- Industries of Focus: Energy Efficient Building Construction and Retrofit, and Renewable Energy
- Key partners include: DeKalb Community College, Radiance Solar, IBEW, Transformation Network, Goodwill Industries of the Southern Piedmont, Emerald Green Construction, Inc., Phoenix Workforce Connection
- Goodwill Industries International will implement a national model within 6 communities to help the hardest to place job seekers secure employment in green industry-related fields. The model they will employ is divided into four phases designed to move job seekers from intensive individual assessment through to job placement, and includes career planning, transitional jobs, contextualized pre-employment training, and occupational skills training. Once placed, the workers will be supported by Goodwill and their local partners to help them retain their jobs and advance within their chosen industry along clear career

pathways.

- Serving 1,300 individuals with 997 beginning training services in the targeted industries. Additionally, 571 programs completers will be placed in unsubsidized employment.

#### Grand Rapids Community College (\$4,000,000)

- **Grand Rapids, MI**
- Industries of Focus: Energy Efficient Building Construction and Retrofit, Renewable Energy, Energy Efficiency, Green Facilities Management, and Advanced Battery Manufacturing
- Key Partners include: Goodwill Industries of Greater Grand Rapids, Literacy Center of West Michigan, Women's Resource Center, Michigan Works! Kent/Allegan Counties, Cascade Engineering, Manpower, Rockford Berge, and Cassie Stern Health Care Workers Education and Training Center
- The Green Pathways Job Opportunity Program will form an expanded service network to implement pre-employment and basic skills training, career coaching, and green job training programs to effectively build the skills of the target populations. The grantee will provide remediation such as GED, Adult Basic Education, English as a Second Language, employability skills training, and green training courses.
- A green team will provide assessments, support services, job placement, and retention services to participants. A rapid response development team will work with employers, placement coordinators, and partners to develop curricula, coordinate customized training programs, apprenticeships, internships, and employment opportunities for flexible, just-in-time training modules.
- Grand Rapids Community College will develop training modules and online curriculum and will provide education and training services to 1,080 participants in targeted green occupations. 1,000 of these participants will be referred to GED, ESL, or Adult Basic Education services. 302 participants who complete education and training activities will be placed into training-related unsubsidized employment.

#### Jobs for the Future, Inc. (JFF) (\$7,997,936) NATIONAL

- **Cities include: Chicago, IL; Detroit, MI; Los Angeles, CA; Milwaukee, WI; Philadelphia, PA**
- Industries of Focus: Energy-Efficient Building, Construction and Retrofit; Renewable Electric Power
- Key Partners include: AFL-CIO Working for America Institute, Wider Opportunities for Women, Workforce Learning Strategies, LEED Council, SER-Metro, LA Community College District, Milwaukee Christian Center, Federation of Neighborhood Centers, Sustainable Business Network of Greater Philadelphia
- Jobs for the Future, in partnership with the AFL-CIO Working for America Institute, will dramatically ramp up pathways into green industries for unemployed and disadvantaged individuals in neighborhoods in five cities that are seriously impacted by the current economic downturn.
- JFF will deliver expanded education, training, job placement, and retention services in these communities through local affiliates of the National Fund for Workforce Solutions (NFWS), which is a \$30 million project that expands high impact workforce partnership initiatives across the country.
- Serving 1,130 participants, with 870 receiving basic education services and 723 receiving grant-funded supportive services. Of individuals who begin training, 997 will complete education or training and 770 will receive a degree or certificate. Of those who complete training or education, 910 participants will be placed into unsubsidized training related employment.

#### Mott Community College (MCC) (\$3,662,403)

- **Flint, MI and adjoining suburbs**
- Industries of Focus: Green Construction including Retrofitting, Weatherization, and Energy Auditing

- Key Partners include: Workforce Development Board (Career Alliance), The Flint Housing Commission, Flint Metro Housing, WT Stevens Construction, Operation Unification, D. R. Nelson & Associates, Genesee County Land Bank, City of Flint Community Development Department
- Mott Community College will develop a Green Construction career pathway for low-income participants through a Green Construction Certificate Program. The model provides participants with a pre-skills training course and a 12-course training series covering the basic skills and knowledge needed to enter employment in the green construction trades.
- In addition to the Green Construction Program, participants will have the opportunity to participate in the Energy Conservation Apprentice Readiness (ECAR) program, and the Road Construction Apprenticeship Readiness (RCAR) Program.
- Training 200 program participants for a Green Construction Certificate Training credential. Of those who receive training, 140 participants will be placed into training related unsubsidized employment.

#### National Council of La Raza (\$3,063,839) NATIONAL

- **Cities include:** San Jose, California; San Diego, California; **Chicago, Illinois**
- Industries of Focus: Energy Efficiency and Clean Energy
- Key Partners include: San Diego-Imperial Counties Labor Council; Southwestern Community College; Hispanic American Contractor's Association; Pacific Gas & Electric; Employment Connection
- The National Council of La Raza will work with its partners to bring economic gains to Latinos with barriers to employment by operating green pathways programs in heavily blighted urban locations. The grantee will offer linguistically and culturally competent, appropriate, and affordable training to help participants earn industry-recognized credentials that will place them into emerging green career pathways in weatherization and the building energy trades.
- The National Council of La Raza will develop customized training curricula in the designated career pathways and will train and place approximately 161 low-income and unemployed individuals and individuals with limited English proficiency in unsubsidized employment within the industries of focus.

#### National Association of Regional Councils (NARC) \$7,994,999 NATIONAL

- **Cities include:** Apache Junction, AZ ; Bisbee, AZ; Midland, TX; Odessa, TX; **Dayton, OH**
- Industries of Focus: Building Performance; Energy-Efficient Building, Construction, and Retrofit; Renewable Electric Power; Deconstruction and Materials Use
- Key Partners include: ICF Macro, Monster Worldwide, Southeastern Arizona Government Association, Central Arizona Association of Governments, Permian Basin Regional Planning Council, Miami Valley Regional Planning Council
- NARC will implement a multi-faceted career path strategy that is designed to: 1) target recruitment in high-poverty rural and urban communities; 2) assist workers in becoming job ready through pre-employment programs in partnership with FBCOs, WIBs, and unions; 3) offer on-the-job training and transitional employment opportunities in weatherization and deconstruction; 4) advance workers through continuing education and certification programs; 5) provide training and certification for individuals pursuing advanced careers in deconstruction and renewable energy industries; and 6) duplicate program successes in other communities nationwide.
- As part of the program, the grantee will develop a DOL Registered Apprenticeship program in Green Building Performance and Heating, Venting and Air-Conditioning.

- NARC will develop customized training curricula in the designated career pathways and will train and place approximately 500 individuals in the building performance; energy-efficient building, construction, and retrofit; renewable electric power; and deconstruction and materials use industries.

Southwest Housing Solutions Corporation (\$4,000,000)

- **Southwest Detroit, MI**
- Industries of Focus: Energy-Efficient Building Construction, Deconstruction and Material Reuse, Retrofit, Weatherization, Energy-Efficiency Assessment, Agriculture, Forestry, and Landscaping
- Key Partners include: Ampro Construction, Detroit Workforce Development Department, DTE Energy Company, The Greening of Detroit, Henry Ford Community College, Michigan Laborers Training And Apprenticeship Institute (MLTAI), O'Brien Construction, WARM Training Center, UAW Local 600 (UAW), Urban Farming
- Southwest Housing Solutions Corporation will provide three training programs including weatherization/deconstruction, landscaping/forestry, and urban agriculture. Each training program is designed to prepare for a specific career focus such as weatherization workers, laborers and helpers in the construction industry, responsible waste management, horticulture, landscaping, and urban farming.
- The partners will also develop Green Living Technologies' training and apprenticeship programs.
- A total of 360 trainees will be placed into jobs during the period of performance. More than 310 individuals will retain employment after six months in jobs related to energy efficiency and urban agriculture.

Western Iowa Tech Community College (\$3,999,459)

- **Woodbury County, IA**
- Industries of Focus: Energy Efficiency and Renewable Energy
- Key Partners include: Goodwill Industries/Wall Street Mission; Sanford Community Center; Siouxland Human Investment Partnership; United Way of Siouxland; Women Aware; Le Mars Chamber of Commerce; Great West Casualty; Wells Dairy; Iowa Vocational Rehabilitation Services; Iowa Region 12 Workforce Investment Board; Job Training Partners; Iowa Workforce Development; International Brotherhood of Electrical Workers, Local 231; Iowa Department of Human Services; Siouxland District Health Department
- The grantee will develop customized training curricula to train participants to work in four different sectors. Green jobs related to the construction industry will require training to retrofit and remodel older buildings. Participants in renewable energy job training will focus on skills needed for component manufacturing, power grid construction, and wind tower erection. Another sector includes energy intensive industries associated with agricultural production that are incorporating new technologies. And finally, project training will be adapted to serve energy intensive industries associated with electric power generation, fertilizer production and food processing.
- Training 300 dislocated workers and low-income adults to enter careers in the Energy Efficiency, Renewable Energy, and Energy Intensive industries.

White Earth Band of Chippewa (\$3,086,817)

- **Mahnomen, Clearwater, and Becker Counties, MN**
- Industries of Focus: Energy-Efficient Building, Construction and Retrofit; Energy Efficiency Assessment; and Sustainable Manufacturing
- Key Partners include: Rural MN CEP Workforce Center, MN State Community Colleges-Detroit Lake

Campus, North Central States Regional Council of Carpenters, White Earth Substance Abuse Program, White Earth Tribal Employment Rights Office

- The White Earth Band of Chippewa will provide green industry and energy training to Native Americans residing within and outside the White Earth Reservation borders. This comprehensive approach will integrate on the job training with apprenticeship opportunities to develop individualized green work/career plans for each program participant and effectively address the unique set of circumstances that face Native Americans.
- Recruit and serve 240 Native American clients. It is expected that 100 students will complete education and training activities.