**American Recovery and Reinvestment Act of 2009: State Labor Market Information Improvement 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) through which Congress intended to preserve and create jobs, promote the nation's economic recovery, and assist those most impacted by the recession. The purpose of these grants, which fund both green job training and research projects, is to teach workers the skills required in these emerging energy efficiency and renewable energy sectors. These efforts will lead program participants to job placement while leveraging other Recovery Act investments intended to create jobs and promote economic growth.

**State Labor Market Information Improvement Overview**

The State Labor Market Information (LMI) Improvement grant program is supporting the research and analysis of labor market data to assess economic activity in energy efficiency and renewable energy industries and identify occupations within those industries. These grants invest in state and consortium models designed to collect, analyze, and disseminate labor market information, and enhance the labor exchange infrastructure for careers within energy efficiency and renewable energy industries. State Workforce Agencies will use this workforce and labor market information and data as the foundation on which to build and implement effective workforce development strategies. Multiple State Workforce Agencies partnering as a consortium will use this program to conduct research that may potentially have a regional, multi-State, or national impact.

These investments are designed to achieve the following outcomes:

- The development of effective methods for estimating the impact on industry and occupational employment resulting from implementation of green technologies.

- The dissemination of research and data through outreach strategies that inform job seekers, the public workforce system, education and training providers, and other organizations of the occupational skills and growing needs of the energy efficiency and renewable energy industries.

- The development of other related research that provides insight into the State regulatory environment, an understanding of current programs of study and related credentials, and an identification of capital investments in green industries.

- The posting of job openings to online job banks that will be highlighted for easy recognition as green jobs by job seekers, as well as the highlighting or development of other online tools and approaches that will encourage local residents to prepare for and apply for jobs being created in their local area.

**Grantee Summaries**

Thirty awards ranging from approximately $763,175 to $4 million each were made to the State Workforce Agencies included in the lists below:

# State Labor Market Information Improvement

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**Award-Winning Consortia**

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Indiana Department of Workforce Development** |
| **Grantee City/State:** | Indianapolis, Indiana |
| **Grant Award Amount:** | $4,000,000 |
| **Period of Performance:** | December 2009-May 2011 |
| **Project Name:** | PROJECT MIINOH; Understanding the Impact of the Auto Industry Transformation in Michigan, Indiana, and Ohio: Identifying New Green Career Pathways for Impacted Workers |
| **Project Description:** | Working as a Tri-state consortium, the proposed project will coordinate research efforts to assist employers, employees, and dislocated auto workers undergoing auto industry restructuring by developing alternative career pathways in energy efficiency and renewable energy industries and occupations.  The project will examine and conduct research in four key areas related to auto restructuring and green job transitioning: 1) Auto Industry Transformation: Including the identification of new skills and requirements in restructuring auto industries;  2) Supply Chain Transformation: Examining how this related  auto industry has been affected and understanding the new demands and skills within this industry; 3) Alternative Career Pathways: Includes using jobs in the green economy to help identify alternative career pathways for dislocated auto and auto parts workers; and 4) A Skills Gap Analysis: which will identify the current and projected skill gaps of the auto workforce, as well as the necessary training needed to transition into green occupations and other high demand sectors. |
| **Areas Served by Grant:** | Indiana, Michigan, and Ohio |
| **All Project partners:** | Michigan Department of Energy, Labor and Economic Growth –  Bureau of Labor Market Information and Strategic Initiatives; Ohio Department of Jobs and Family Services – Labor Market Information Bureau; Indiana Department of Workforce Development – Research & Analysis, Indiana State Workforce Innovation Council; Ohio Governor's Workforce Policy Advisory Board; Michigan Council for Labor and Economic Growth;  Indiana Economic Development Corporation; Indiana Commission for Higher Education; Indiana Department of Energy; Michigan Economic Development Corporation; Michigan Department of Energy, Labor and Economic Growth; Ohio Board of Regents; Ohio Department of Education; Ohio Department of Development; Ohio Energy Office; Ohio Office of Workforce Development; Governor's Auto Industry Support Council (Ohio); Center for Automotive Research (Michigan); Case Western Reserve University (Ohio); Indiana Business Research Center of the Indiana University – Kelley School of Business (Indiana); Purdue University (Indiana); Automotive Industry Action Group; Association of International Automobile Manufacturers; Electric Auto Association; Original Equipment Suppliers Association; American Council on Renewable Energy (ACORE); United States (U.S.) Department of Energy - Office of Efficiency and Renewable Energy - Vehicle Technologies Program; U.S. Conference Board - Help Wanted Online (HWOL); Thomas Klier - Federal |

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| | Reserve Bank of Chicago; U.S. Bureau of Labor Statistics; O*NET Resource Center; and American Federation of Labor and Congress of Industrial Organizations (AFL-CIO); and Workforce Development Institute |
| **Project Deliverables:** | <ul><li>Estimates of projected employment in the "new" green auto industry;</li><li>Identification of new occupational requirements of the "new" green auto industry and associated skills and occupations;</li><li>Estimates of auto suppliers that will survive the auto industry transformation and estimates of those that will diversify (provide change figures for each North American Industry Classification System (NAICS) transformation);</li><li>Summary of training requirements for occupations in the "new" green auto industry;</li><li>Skill gap analysis and skills projections for green occupations;</li><li>Summary of career pathways for dislocated auto industry workers into other energy efficient and renewable energy industries;</li><li>Description of required training programs and curriculum to support alternative career pathways;</li><li>Identification and analysis of currently available green job openings in Michigan, Indiana and Ohio; and</li><li>Summary of wages associated with green job openings.</li></ul> |
| **Contact Information:** | Kimberley Linville<br>Driving Change Project Manager<br>Indiana Department of Workforce Development<br>10 N. Senate<br>Indianapolis, IN 46204<br>E-mail: KLinville@dwd.in.gov<br>Phone: (317) 232-7196 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **State of Louisiana Office of Occupational Information Services, Research and Statistics Division** |
| **Grantee City/State:** | Baton Rouge, Louisiana |
| **Grant Award Amount:** | $2,279,393 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | Gulf Coast Green Jobs Initiative |
| **Project Description:** | The Louisiana Workforce Commission and the Mississippi Department of Employment Security will create a consortium to research green related economic activity within both states to identify and target green jobs in the region. Project activities will include a survey of green industry employers, the development of multiple reports summarizing industry and occupational competency models, and data mining of Unemployment Insurance claims and job banks.  The project will produce a dynamic labor market information tool to help job seekers find employment opportunities in green industries, employers better assess their hiring needs and opportunities for expansion, and educators and training providers develop occupational training and certification curricula necessary to develop green industries in the region. |
| **Areas Served by Grant:** | Louisiana and Mississippi |
| **All Project partners:** | Mississippi Department of Employment Security; Louisiana Commission; Louisiana and Mississippi State Workforce Investment Boards; Louisiana State University; and Mississippi State University |
| **Project Deliverables:** | <ul><li>Identify key employers, industry groups and trade associations for development of green industries and growth of green jobs in Louisiana and Mississippi;</li><li>Conduct one-on-one interviews and focus groups and prepare a summary report;</li><li>Acquire financial data on public and private investments in green industries or employers providing green jobs in the region;</li><li>Develop a survey instrument and conduct survey of 10,000 employers per state in Louisiana and Mississippi to elicit information regarding employment in green economic activity;</li><li>Estimate the current number of green jobs and current job vacancies including information on wages, benefits and demographic characteristics of workers;</li><li>A report summarizing the estimated green jobs created by the American Reinvestment and Recovery Act as well as other public and private investments;</li><li>Identify career ladders, lattices, and pathways including education, experience and skill requirements need to advance to new occupations and prepare summary reports of results;</li><li>Meet with educational leaders in each state to disseminate results and prepare a summary report on degree, certification and training programs for addressing deficits in human capital;</li><li>A web based inter-active tool to obtain information on skill requirements, training resources, wage potential and career pathways by occupation;</li><li>Data mining of job banks to track labor market demand for occupations involved in green economic activity using the Help Wanted Online program; and</li><li>Press releases and speaking engagements will be use to inform stakeholders of the availability of the green jobs survey and product deliverables.</li></ul> |
| **Contact Information:** | Email: LaGreen@lwc.la.gov |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Maryland Department of Labor, Licensing and Regulation** |
| **Grantee City/State:** | Baltimore, Maryland |
| **Grant Award Amount:** | $4,000,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Mid-Atlantic Regional Collaborative (MARC) Green Consortium |
| **Project Description:** | The Mid-Atlantic Regional Collaborative (MARC) Green Consortium proposes to conduct a regional survey in the three state region (Maryland, District of Columbia, and Virginia) that will define the region's green economy by identifying types of green jobs, their requirements and other occupational characteristics at the state, regional, and local levels. This baseline measure along with an estimate of the impact of green technology and other green investments on job creation will be used to track occupational growth and contribute to the development of a regional green workforce development plan. |
| **Areas Served by Grant:** | Maryland, District of Columbia, and Virginia |
| **All Project partners:** | Maryland Department of Labor; Virginia Employment Commission; District of Columbia Department of Employment Services; District of Columbia's Workforce Investment Council; Maryland Governor's Workforce Investment Board; Virginia Workforce Council; Maryland Workforce Corporation; Trumbull Consulting & Associates; ICF International; Geographic Solutions; Regional research entities and institutions of higher education |
| **Project Deliverables:** | ▪ Survey Instrument and Methodology Report<br>▪ Green Market Profile<br>▪ Green Labor Market Profile<br>▪ Green Jobs and Training Profile<br>▪ Green Economy Impact<br>▪ Green Workforce Investment |
| **Contact Information:** | Paulette L. Francois<br>Email: Pfrancois@dllr.state.md.us<br>Ph: (410) 767-3011 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Montana Department of Labor and Industry** |
| **Grantee City/State:** | Helena, Montana |
| **Grant Award Amount:** | $3,877,949 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Northern Plains and Rocky Mountain Consortium: Researching the Green Economy |
| **Project Description:** | This project entitled, "Researching the Green Economy" will create a consortium consisting of workforce agencies in six contiguous states to improve labor market information (LMI) collection and research in order to enhance the labor exchange system for green careers within and between the participating states. This collaborative effort will allow researchers to effectively distribute green surveys, devise new methods to close the information gap pertaining to green jobs, and research the impact of green technologies on the workforce.  The resulting research aims to build a sustainable dialogue relating to green labor demand and supply, build an LMI system sustaining those relationships and establish a design for evaluation as an integral part of a sustained effort. |
| **Areas Served by Grant:** | Montana, Iowa, Nebraska, South Dakota, Utah, and Wyoming |
| **All Project partners:** | Montana Department of Labor and Industry; Iowa Workforce Investment Board; Nebraska Department of Labor; South Dakota Department of Labor; Utah Department of Workforce Services; and Wyoming Department of Employment.  Strategic partners will include each state's LMI and research agencies, state workforce investment boards, economic development agencies, employers, and state and local educational entities, particularly universities and colleges. |
| **Project Deliverables:** | <ul><li>Career products;</li><li>Green industry demand (publication);</li><li>Occupational projections of green jobs (publication);</li><li>Skills Requirements and Wage Progression in the Labor Exchange System (publication);</li><li>Replacement Need, State Level Empirical Evidence (publication);</li><li>Regional New Green Technology in the Northern Plains and Rocky Mountain States: Impact on Skills Conference;</li><li>State level conferences;</li><li>Inter-consortia conferences and meetings;</li><li>Related research deliverables; and</li><li>Deliverables to enhance the labor exchange infrastructure.</li></ul> |
| **Contact Information:** | Email: www.researchingthegreeneconomy.com |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Nevada Department of Employment, Training and Rehabilitation** |
| **Grantee City/State:** | Carson City, Nevada |
| **Grant Award Amount:** | $3,753,000 |
| **Period of Performance:** | December 2009-November 2010 |
| **Project Name:** | State LMI Improvement through Projections Infrastructure Modernization |
| **Project Description:** | The project proposes to modernize the national projections program, a statistical program, to improve and sustain states' ability to provide information on current and future industry and occupation demand.  The project's collaborative effort will develop new tools and training to allow states to routinely provide information on current and future skills demand developed in the context of the Occupational Informational Network (O*NET) framework; provide enhancements to current tools and training and include features in new tools and training to allow states to provide information on current and future demand of green industries, occupations and skills; and, develop a plan for efficient delivery of a multi-modal approach to projections training.  The major result of this effort will be a modernized projections infrastructure that enables the workforce system, education, and economic development partners to have timely, comprehensive intelligence on the green economy to integrate into the labor exchange system. |
| **Areas Served by Grant:** | Nevada, Colorado, Florida, Illinois, New York, North Carolina, Texas, and Utah |
| **All Project partners:** | Colorado Department of Labor and Employment; Florida Agency for Workforce Innovation; Illinois Department of Employment Security;  New York Department of Labor; North Carolina Employment Security Commission; Texas Workforce Commission; the Utah Department of Workforce Services; and the Labor Market Information Training Institute. |
| **Project Deliverables:** | <ul><li>Identification and validation of all principal and auxiliary software features, including enhancements, completion of candidate database, and database access design for principal/desktop software (DPM, STIP, LTIP, MicroMatrix);</li><li>Identification and validation of high priority features of industry-focused software (DPM, LTIP, STIP);</li><li>Identification of core functionality and common feature sets across principal software (DPM, LTIP, STIP, MicroMatrix);</li><li>Completion of candidate database and  database access design for auxiliary/web-based software (skills-based projections and occupational descriptor);</li><li>Identification and validation of high priority features of occupation-focused software (MicroMatrix, Skills-Based Projections, Occupational Descriptor); and</li><li>Identification of core functionality and common feature sets across principal and auxiliary software systems.</li></ul> |
| **Contact Information:** | Bill Anderson<br>Chief Economist<br>Nevada Department of Employment, Training & Rehabilitation<br>Email: wdanderson@nvdetr.org<br>Ph: (775) 684-0387 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Vermont Department of Labor** |
| **Grantee City/State:** | Montpelier, Vermont |
| **Grant Award Amount:** | $3,999,923 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Making Green Real |
| **Project Description:** | The Northeast Consortium's "Making Green Real" proposal is designed to put a solid research framework around the discussion of the green economy and allow all the customers who will employ, train, and work in the field to make decisions based on solid information. The project aims to create a region-wide information distribution web site, clear definitions of green occupations and green industries, auto-code jobs and firms based on green definitions, estimate green jobs and industries produced quarterly, project 6 to 12 month vacancies covering green and non-green jobs, expand information based on real time analysis, and provide information to assist educators to design new and improved training. In addition, a green employer list with green tags will be applied to the InfoUSA employer database. |
| **Areas Served by Grant:** | Vermont, Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, and Rhode Island |
| **All Project partners:** | State Workforce Agency Administrator; the State Workforce Board; Economic development agencies, community colleges, employer associations, labor unions, and community and faith-based organizations of each of the eight state LMI units; Conference Board; Georgetown University Center on Education and the Workforce; Direct Employer Association; O*NET; infoUSA; National Association of State Workforce Agencies; and Job Central National Labor Exchange |
| **Project Deliverables:** | ▪ Region-wide information distribution website; <br> ▪ Web services to allow sharing of information with other sites; <br> ▪ Clear definitions of "green" occupations and "green" industries; <br> ▪ Auto-coding of jobs and firms based on "green" definitions; <br> ▪ Estimates for "green" jobs and industries produced quarterly; <br> ▪ Current demand based on real time analysis covering "green" and "non-green" jobs; <br> ▪ Vacancy projections (6-12 month) covering "green" and "non-green" jobs; <br> ▪ Occupational Projections "Green" supplement to current short and long-term projections; <br> ▪ Wage and benefit data; <br> ▪ "Green" Employers List - "Green" tags applied to the InfoUSA employer database; and <br> ▪ Emerging Requirements - Information to assist educators to design new/improved training. |
| **Contact Information:** | Greg Voorheis, Grant Manager <br> Email: Greg.voorheis@state.vt.us <br> Ph: (802) 828-4343 | James Vollman <br> Email : jamesvollman@yahoo.com <br> Ph : (703) 626-0094 |

**Award Winning States**

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| **Grantee Name:** | **Alabama Department of Industrial Relations** |
| **Grantee City/State:** | Montgomery, AL |
| **Grant Award Amount:** | $1,145,210 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Study of the Presence and Future of Green Jobs in Alabama: Preparing Alabama's Workforce for an Expanding Green Industry |
| **Project Description:** | The Alabama ARRA LMI Improve Grant proposes to develop county and regional labor profiles that provide information on labor supply and demand, occupational projections, skills and requirements by industry, vacancies, and certification requirements.   The research will focus on higher-wage and higher-skill jobs, as well as green jobs and industries in Alabama's ten workforce development regions.  The information compiled in the regional labor profiles of green industries and occupations and high wage and high skill jobs will be shared with workforce and economic development officials at the local, regional, and state levels. In addition, electronic versions of all reports will be posted on the project website. |
| **Areas Served by Grant:** | Alabama |
| **All Project partners:** | Alabama Department of Industrial Relations; Labor Market Information Division (LMI) of the Alabama Department of Industrial Relations; Governor's Office of Workforce Development; State Workforce Planning Council and State Workforce Investment Board; Alabama Energy and Industrial Construction Consortium; The University of Alabama; Alabama Green Jobs Alliance; Alabama Development Office; and Alabama Commission on Higher Education |
| **Project Deliverables:** | <ul><li>Current Estimates of Employment in Green; Industries and Occupations in the State of Alabama & the Ten Workforce Development Regions;</li><li>Short Term Alabama and Long Term Alabama green industry and occupational projections;</li><li>List of Green Businesses in Alabama and the services they offer;</li><li>Special Skills required for present Green Jobs in Alabama and Green Jobs that are expected in the future;</li><li>Estimates of Job Vacancies in green jobs and general jobs;</li><li>Demographic Characteristics of workers in Green Jobs;</li><li>Online labor exchange and data reporting application focusing on green jobs; and</li><li>Training career centers, educators, guidance counselors, researchers, economic developers, etc., on the Green Jobs and Training Online Application.</li></ul> |
| **Contact Information:** | Tonya Lee, Statistician Supervisor<br>Email: Tonya.Lee@dir.alabama.gov<br>Ph: (334) 242-8881 | Jim Henry, Director LMI Division<br>Email: Jim.Henry@dir.alabama.gov<br>Ph:  (334) 242-8859 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Alaska Department of Labor and Workforce Development** |
| **Grantee City/State:** | Juneau, Alaska |
| **Grant Award Amount:** | $800,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Alaska Labor Market Information Improvement Project |
| **Project Description:** | As proposed in this project, the Alaska Department of Labor and Workforce Development will quantify green jobs in Alaska, determine the supply and demand for green workers, identify green training programs and enhance Alaska's online labor exchange to enable green-related job searches. Data collection strategies include the distribution of green job surveys to both experts and employers, development of green career lattices, and creation of green jobs skills profiles using the Skills Based Projections system. This project promises to deliver a wide array of LMI products to better target training education and investments leading to more informed public policies. |
| **Areas Served by Grant:** | Alaska |
| **All Project partners:** | Alaska Department of Labor and Workforce Development; Division of Business Partnership; Division of Employment Security; Alaska Workforce Investment Board; and University of Oregon/into Careers |
| **Project Deliverables:** | ▪ Identify green occupations and industries in Alaska;<br>▪ Identify green career pathways, transferrable skills and opportunities for prospective students and jobseekers;<br>▪ Modify the Alaska Career Information System;<br>▪ Enhance Alaska's labor exchange system;<br>▪ Workforce Informer;<br>▪ Presentations to interest groups; and<br>▪ Research reports and articles. |
| **Contact Information:** | Brynn Keith<br>Alaska Department of Labor and Workforce Development<br>P.O. Box 115501<br>Juneau, AK  99811 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Arizona Department of Economic Security** |
| **Grantee City/State:** | Phoenix, Arizona |
| **Grant Award Amount:** | $1,211,045 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | Arizona State LMI Improvement – Green Jobs |
| **Project Description:** | The grantee will conduct a broad analysis of global business, economic and technology trends. Surveys will be conducted to provide state level data and information on green jobs, green industries, and green jobs vacancy rates. The grantee will also redesign its workforce website to improve the labor market information provided on green jobs and industries and to provide access to online and classroom.  Information from this project will include key global macro, economic, business, and technology trends in green jobs and industries. Resources will include access to training leading to industry recognized credentials, certification, or degrees specific to green industries. |
| **Areas Served by Grant:** | Arizona |
| **All Project partners:** | Arizona Department of Commerce; Governor's council on Workforce Policy (State WIB); Energy Office of the Arizona Department of Commerce; Arizona Department of Education; Career and Technical Education program, Arizona Community College system; Arizona Board of Regents; Arizona Association of Economic Development; Intel; First Solar; southwest Wind Power; and local water and electric utilities. |
| **Project Deliverables:** | <ul><li>Identification and analysis of job openings;</li><li>A measure of hiring demand for workers in the state, by industry and occupation;</li><li>Analysis of the characteristics of job vacancies by occupational group and industry, including wages and benefits, education and experience requirements, and the location of openings;</li><li>Analysis and market research for the economic development community;</li><li>Aid employment and training services in understanding the current labor market and providing effective help for job seekers, including skill or competency requirements of industries or occupations in energy efficiency and renewable energy businesses and/or green occupations;</li><li>Determination of demographic characteristics of workers in green jobs, such as gender, race, age, educational attainment, literacy skills, etc.; and</li><li>Website redesign.</li></ul> |
| **Contact Information:** | Jessica Smothermon<br>Email: jessicas@azcommerce.com<br>Ph: (602) 771-1161 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **State of California Employment Development Department** |
| **Grantee City/State:** | Sacramento, California |
| **Grant Award Amount:** | $1,250,000 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | California Green Economy Labor Market Information Improvements |
| **Project Description:** | Grant funds will be used to analyze California's green employer survey, conduct green occupational skills research, improve skill transference for green occupations, create an online training inventory of green occupations, and improve the State's geographic information systems (GIS) capacity. The research will enable the grantee to estimate the number of green jobs in California, identify emerging green occupations, and to identify job skills and training needed for employment in these occupations. |
| **Areas Served by Grant:** | California |
| **All Project partners:** | The California Employment Development Department (EDD);  Labor Market Information Division; California's Green Collar Jobs Council; California Workforce Investment Board; California Community Colleges Centers of Excellence; California Air Resources Board; California Energy Commission; University of California; and California Economic Strategy Panel |
| **Project Deliverables:** | <ul><li>*California Green Economy Survey Report*;</li><li>Identification of the energy efficiency and renewable energy businesses and green occupations conforming to the detailed list of industries and occupations;</li><li>Documentation of business practices that will drive demand for green jobs;</li><li>Identification of factors that explain business decisions on whether or not to adopt green practices;</li><li>*Green Occupational Skills Research Report;*</li><li>Skill or competency requirements of occupations in energy efficiency and renewable energy businesses derived from interviews of green survey employers, audits of green workers, and other original research;</li><li>*Improving Skills Transference Report ;*</li><li>Green Training Inventory; and</li><li>New Web-based tool that enables One-Stop clients to understand their skills and relate them to available LMI and job opportunities.</li></ul> |
| **Contact Information:** | Judi McClellan<br>Email: Judi.mcclellan@edd.ca.gov<br>Ph : (916) 262-2293 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Delaware Department of Labor** |
| **Grantee City/State:** | Wilmington, Delaware |
| **Grant Award Amount:** | $889,404 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Delaware Green Jobs Initiative |
| **Project Description:** | The Delaware Green Jobs Initiative is designed to facilitate the development of a strategic plan for encouraging the expansion and implementation of green jobs in the state.  The project includes a comprehensive set of five different but related initiatives.  The resulting research will provide real-time data on crucial information such as the number and types of current green jobs, current vacancies and growth potential in green jobs, the necessary skills and training required for these jobs, and potential wages in the green job sector.  Additionally, this project will work to enhance the labor exchange infrastructure through the publication of green job openings on Delaware's JobLink system. |
| **Areas Served by Grant:** | Delaware |
| **All Project partners:** | Delaware Department of Labor; Office of Occupational and Labor Market Information; Delaware Workforce Investment Board; University of Delaware's Center for Applied Demography and Survey Research |
| **Project Deliverables:** | <ul><li>Survey Report;</li><li>Determine the number and type of jobs in the current workforce considered green;</li><li>Identify current vacancies and potential for growth in all of these areas to assist the workforce system in placing workers in these jobs;</li><li>Determine wages in general as well as those that meet good job criteria such as high wages with benefits;</li><li>Identify the skills, training and education required for these jobs;</li><li>Analyze the current education and training systems to determine what is available to meet training needs and what must be developed in order to meet growing demands and changes in competency and skill levels;</li><li>Estimate the importance of green jobs to the larger Delaware economy;</li><li>Data dissemination activities;</li><li>Revising electronic information sites and *The Delaware Career Compass Guide* with specific information on green jobs; and</li><li>Incorporating concepts of green jobs into all career information systems.</li></ul> |
| **Contact Information:** | Maureen Creedon<br>Ph: (302) 761-8056 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Florida Agency for Workforce Innovation** |
| **Grantee City/State:** | Tallahassee, Florida |
| **Grant Award Amount:** | $1,250,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Green Jobs Florida Green Jobs Survey and Green Labor Exchange |
| **Project Description:** | The Florida Agency for Workforce Innovation, Labor Statistics Center, will conduct a study that will encompass a statewide green jobs survey of approximately 60,000 employers stratified by workforce region, industry, size and create a green labor exchange portal.  The survey will identify the occupations that are linked to a set of green activities in the economy and will also collect additional skills and certifications related to green jobs.  Final data produced will be an inventory of green jobs in Florida by industry, occupation, and workforce region.  New skills and certifications will be included in Florida's labor exchange system, and a skills/certification report by occupations will be made available. |
| **Areas Served by Grant:** | Florida |
| **All Project partners:** | Florida Labor Market Statistics Center; Workforce Florida, Inc.; Florida Department of Education; Florida Chamber of Commerce; Alternative Energy Banner Center/Florida Solar Energy Center; Energy Banner Center/Indian River State College; Carbon Solutions America; Enterprise Florida Inc.; Florida Energy Systems Consortium; Florida Green Building Coalition; Florida Renewable Energy Producers Association; Florida Solar Energy Industries Association; GreenBuildingGroup.com; Manufacturing Banner Center/Polk Community college; National Center for Construction Education and Research; Progress Energy; Southern Alliance for Clean energy; Southern Waste Information eXchange, Inc.; Gulf Coast Workforce Development Board; Citrus Levy Marion Regional Workforce Development Board; WorkNet Pinellas; Broward Workforce Development Board; Florida Economic Development Council; and Collins Center for Public Policy. |
| **Project Deliverables:** | Labor Market Research |
| **Contact Information:** | Rebecca Rust<br>Director, Labor Market Statistics Center<br>Phone: (866) 537-3615<br>E-mail: rebecca.rust@flaawi.com<br>Website: www.labormarketinfo.com |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Georgia Department of Labor** |
| **Grantee City/State:** | Atlanta, Georgia |
| **Grant Award Amount:** | $1,177,975 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | The GREEN Project: Georgia's Renewable Environmental Employment Network |
| **Project Description:** | The Georgia Department of Labor will develop and administer a brief survey of Georgia businesses that will capture information on the green jobs currently available, future green job openings and green job vacancies that will enhance the Georgia Career Information System (GCIS).  The Georgia Career Information System (GCIS) will develop a definition for green companies and provide a list of green companies within each industry in GCIS, develop a green topic for each occupation, and create new green career profiles.  The data gathered will be used to inform the economic development, education and workforce development communities in Georgia about the availability of green jobs, areas for potential growth and ways that job seekers can prepare for these jobs. |
| **Areas Served by Grant:** | Georgia |
| **All Project partners:** | Georgia Career Information Center at Georgia State University |
| **Project Deliverables:** | <ul><li>Design and administer a Green Jobs Survey to capture current green jobs, green job vacancies and anticipated green job openings;</li><li>Addition of green programs of study to Georgia's Eligible Training Provider List;</li><li>Development of a green jobs brochure in the "Information Parents Can Use" series of on-line brochures targeted for career and educational planning;</li><li>Supplying content to the Georgia Career Information System (GCIS) and Occupational Supply and Demand System;</li><li>Additions to the GCIS data base for programs of study, school-specific program descriptions and scholarship information for green programs of study;</li><li>Addition of content to the Georgia Labor Market Explorer regarding green job availability, wages, projected employment levels and training needs;</li><li>Development of brochures targeted to sub-state workforce areas, containing a broad spectrum of information about green jobs; and</li><li>A new portal on the Georgia Department of Labor web site with specific green job content, job opening information and training information on green occupations.</li></ul> |
| **Contact Information:** | Rosa Hayes<br>Email : Rosa.Hayes@dol.state.ga.us<br>Ph:  (404) 232-3875 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Hawaii Department of Labor and Industrial Relations** |
| **Grantee City/State:** | Honolulu, Hawaii |
| **Grant Award Amount:** | $1,247,343 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | LMI Improvement Initiative |
| **Project Description:** | The Labor Market Information Improvement Initiative for the State of Hawaii proposes to assist in its statewide transformation to become 70 percent reliant on renewable energy by 2030. The State will provide energy sector participants the best available and reliable Labor Market Information for existing industries and sectors, and for those that are emerging.  Products will include occupation and skills reports for industries, industry-sectors, State and local areas; a green sector Web site; asset map of green employers and training providers; new career pathways and rapid reemployment tools; and training and awareness activities. |
| **Areas Served by Grant:** | Hawaii |
| **All Project partners:** | Department of Labor and Industrial Relations, Director's Office; Research and Statistics Office (R&S); Workforce Development Council (State Workforce Investment Board); Workforce Development Division (WDD);  Administrative Service Office; Department of Business, Economic Development and Tourism; University of Hawaii System/UH Community Colleges; Research Corporation of the UH (RCUH); University of Hawaii Economic Research Organization (UHERO); The Career and Technical Education Center (CTEC); Green Workforce Intelligence Network (Green WIN); and Local Workforce Investment Boards. |
| **Project Deliverables:** | ▪ Green Workforce Study<br>▪ Preliminary Projection Estimates<br>▪ Training Gap Assessment<br>▪ LMI Dissemination and User Interface Assessment<br>▪ Web-based Workforce Development Information Portals<br>▪ Labor Exchange and Rapid Reemployment Enhancement<br>▪ Sectoral and Local Area Strategies<br>▪ Capacity Building (Delivery In-Person and On-Demand)<br>▪ Outreach and Awareness. |
| **Contact Information:** | Francisco P. Corpuz<br>Email: francisco.p.corpuz@hawaii.gov<br>Ph: (808) 586-9013 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **State of Idaho Department of Labor** |
| **Grantee City/State:** | Boise, Idaho |
| **Grant Award Amount:** | $1,250,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Idaho Department of Labor State Labor market Information Grant |
| **Project Description:** | A comprehensive green jobs survey will be conducted that will define green businesses and occupations; establish benchmarks for measuring dissemination strategies and outreach efforts; identify existing, expanding and emerging green business and occupations; identify certification and licensure required for these green occupations; estimate demand for these occupations; identify and estimate future supply of human capital, and estimate training gaps. A jobs vacancy survey to measure skills and occupational gaps will also be implemented. |
| **Areas Served by Grant:** | Idaho |
| **All Project partners:** | Idaho Department of Labor's Communications and Research Division; Idaho Career Information System and into CAREERS; Idaho Office of Energy Resources; Idaho State Board of Education; Idaho Workforce Development Council; The Center for Advanced Energy Studies; Idaho American Federation of Labor and Congress of Industrial Organizations; The Center for Advanced Energy Studies and the States of Montana, Oregon, Washington, Nevada. |
| **Project Deliverables:** | ▪ Idaho comprehensive green jobs survey<br>▪ Green job vacancy survey<br>▪ Energy and green job employment projections<br>▪ Human capital supply side data<br>▪ Training/certification/licensure/skills cataloguing<br>▪ Web-based occupational analytical tools<br>▪ Idaho business directory<br>▪ Idaho comprehensive green jobs research report |
| **Contact Information:** | Email: Greenjobs.survey@labor.idaho.gov<br>Ph: (208) 332-3570 x5675 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Iowa Workforce Development (IWD)** |
| **Grantee City/State:** | Des Moines, Iowa |
| **Grant Award Amount:** | $1,172,614 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Bridging the Green Economy Skills Gap |
| **Project Description:** | Iowa is proposing to develop a comprehensive analysis of both the labor supply and the labor demand of Iowa's green economy.  The labor demand research will utilize survey instruments, Bureau of Labor Statistics (BLS) workforce data, and study the state's need for building deconstruction and recycling.  This work will inform the analysis of occupational demands, skill needs, and current and future job openings. The labor supply research will use IWD's data collection tools to develop a Human Capital Inventory of workers that will include: worker locations, income levels, education, skills, experience and willingness to relocate or change to a Green Economy job. |
| **Areas Served by Grant:** | Iowa |
| **All Project partners:** | The Office of the Governor of Iowa (I-Gov);  Iowa Workforce Development (IWD); Iowa Office of Energy Independence; USDOL Office of Apprenticeship (Iowa); Iowa Central Community College; MidAmerican Energy; University of Northern Iowa's Institute for Decision Making; Iowa Association of Business and Industry; Iowa Federation of Labor; the Iowa Association for Community College Trustees; the Center on Industrial Research and Services at Iowa State University; University of Northern Iowa's Strategic Marketing Services; the Institute for Work & the Economy; Iowa Council of Governments, LMI Training Institute, Des Moines Area Community  College; University of Iowa Office of Sustainability; Commission on the Status of Women and the Professional Developers of Iowa |
| **Project Deliverables:** | ▪ Green Economy Regulation and Incentive White Paper; <br> ▪ Auto Industry Supply Chain Study for Iowa; <br> ▪ Inventory of Iowa Registered Apprenticeships in the Green Economy to be used by I-Gov when making decisions on ARRA and I-Jobs funding; <br> ▪ State Building Deconstruction and Recycling Inventory; <br> ▪ Synopsis of Energy Sector Workforce Demographics; <br> ▪ Analysis of ARRA and I-Jobs Green Occupations- for use of I-Gov, the Iowa Department of Management, the Iowa Congressional Delegation and other state leaders; <br> ▪ Green Economy Business Demand Occupational Survey; <br> ▪ Iowa Green Economy Laborshed Studies; <br> ▪ Iowa Green Economy Human Capital Inventory- for use of I-Gov, the Iowa Legislature, the Iowa Congressional Delegation and other state leadership; <br> ▪ Iowa Green Economy Labor Supply and Demand Analysis; <br> ▪ Summary of State Green Economy Educational Resources; <br> ▪ Data and Information links for the web portal of I-Works; <br> ▪ Modifications to I-Works Labor Exchange system; <br> ▪ LMI Staff Training; and <br> ▪ Project summary, report out, and next steps. |
| **Contact Information:** | Jude E. Igbokwe, Ph.D. LMI Director <br> Email: jude.igbokwe@iwd.iowa.gov |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Kentucky Education and Workforce Development Cabinet** |
| **Grantee City/State:** | Frankfort, Kentucky |
| **Grant Award Amount:** | $1,250,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Greening the Bluegrass State |
| **Project Description:** | Kentucky's Office of Employment and Training (OET) will coordinate the collection and analysis of labor market data to assess economic activity in energy efficiency and renewable energy industries and identify occupations within those industries. OET will collect information regarding green job duties such as those related to reducing energy usage, lowering carbon emission, and protecting Kentucky's natural resources. This survey will include a vacancy survey to determine existing and future job opportunities and will provide a detailed assessment of occupations with green job duties and assist the workforce system in devising strategies for ensuring adequate training for this emerging sector. A labor supply database to provide detailed data on existing labor supply and job seekers from Employ Kentucky Operating System (EKOS) will be developed, along with a skills analysis tool that provides transitioning jobseekers with alternate career pathways. |
| **Areas Served by Grant:** | Kentucky |
| **All Project partners:** | Kentucky's OET; Kentucky Workforce Investment Board; Kentucky's Energy and Environment Cabinet; Kentucky Energy Sector Partnership; University of Kentucky; Kentucky Community and Technical College System; the Council on Postsecondary Education; Kentucky's Economic Development Cabinet; Local Workforce Investment Boards; Kentucky Labor Cabinet; Finance and Administration Cabinet |
| **Project Deliverables:** | ▪ Current estimated employment by industry and occupation;<br>▪ Short and long term industry and occupational projections for state and sub-state areas ;<br>▪ Occupational Employment Statistics (OES wage data);<br>▪ An in-depth analysis on the survey and research findings to include current job openings in green sectors, wage levels, and an overview of the existing workforce in the state (including demographics, gender, age, race, educational attainment and existing skill levels, to include skills such as literacy which are lacking or need further development to meet demand);<br>▪ Details of educational programs and training resources available in the state preparing students for careers in green occupations (certifications, degrees, etc.);<br>▪ Licensing information for green occupations, including licensing authorities, requirements, and number of licenses awarded; and<br>▪ Reports, published by the state, on the findings and analysis. |
| **Contact Information:** | Kyna Estes, Program Coordinator<br>Email :kyna.estes@ky.gov<br>Ph: (502) 782-3360 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Minnesota Department of Employment and Economic Development** |
| **Grantee City/State:** | St. Paul, Minnesota |
| **Grant Award Amount:** | $1,155,488 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | Green Labor Market Information Project |
| **Project Description:** | Minnesota's State Labor Market Information Improvement Program proposes a four-part research project that will fill the green information gap and enhance labor exchange infrastructure and efforts. This project will leverage Minnesota's established Job Vacancy Survey (JVS), to conduct an in-depth follow-up Green Jobs Survey; mine Minnesota's state job bank for additional data and identify green job openings; collect comprehensive data on green educational programs; develop an enhanced state specific crosswalk between occupations and training courses; and develop industry competency models for key groups of new and emerging green occupations. The research will identify demand for green jobs, skill requirements, and labor force shortages. Furthermore, this information will be utilized in order to ensure that education curriculum is aligned with the greening of the economy. |
| **Areas Served by Grant:** | Minnesota |
| **All Project partners:** | Governor's Workforce Development Council; Department of Commerce; Office of Energy Security; Minnesota State College and University System; ISeek Solutions; Minnesota Career Development Association; and Twin Cities RISE. |
| **Project Deliverables:** | <ul><li>Comprehensive estimates of green jobs in MN, by SOC, across all industries</li><li>Estimates of green employment by occupation, industry, and region</li><li>List of green occupations experiencing labor force shortages</li><li>Comprehensive list of skill and education requirements for each SOC-O*NET occupation</li><li>A green identifier for postings in the state job bank</li><li>Web-based content and tools</li><li>Complete database of "green" educational programs</li><li>An enhanced MN-specific CIP-SOC crosswalk</li><li>Industry competency models</li><li>Outreach and training effort</li><li>Print and downloadable PDF reports</li><li>Green-enhanced LMI tools</li><li>ISEEK green careers and portal outreach</li></ul> |
| **Contact Information:** | Kyle Uphoff<br>Ph: (651) 259-7383 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Missouri Department of Economic Development** |
| **Grantee City/State:** | Jefferson City, Missouri |
| **Grant Award Amount:** | $1,227,192 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Green Opportunities in Good Careers |
| **Project Description:** | The project proposes to improve the level of information available to job seekers who are most disadvantaged in the current economy, especially given the large impact the automotive sector has endured.  Additionally, the proposal seeks to inform training providers of the critical skills that job seekers need to be successful in a green opportunity career.  Products will include a green industry demand survey and report, green occupation projections, training provider survey and report, green pathways competency model, rapid response career guidance publications, and enhanced career exploration tool. |
| **Areas Served by Grant:** | Missouri |
| **All Project partners:** | Missouri Economic Research and Information Center (MERIC); Regional Workforce Investment Boards; State Workforce Investment Board; the Missouri Department of Natural Resources; and Missouri Universities and Colleges |
| **Project Deliverables:** | <ul><li>Green industry Demand Survey</li><li>Green occupation projections</li><li>Training provider survey and report</li><li>Statewide and regional growth reports</li><li>Green Pathways Competency Model</li><li>Rapid Response career guidance publications</li><li>Green Pathways career guide and related publications</li><li>Enhanced career explorer tool</li></ul> |
| **Contact Information:** | Mary Bruton<br>Email: mary.bruton@ded.mo.gov<br>Ph: (573) 751-3635<br>Website: www.missourieconomy.org |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **New Jersey Department of Labor and Workforce Development** |
| **Grantee City/State:** | Trenton, New Jersey |
| **Grant Award Amount:** | $1,249,995 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | Connecting the Dots to the Green Economy |
| **Project Description:** | To provide information and tools to job seekers to identify pathways to new green careers and careers in emerging industries, identify high demand green and non-green jobs, and the skills required to attain these jobs.  Project deliverables will include: a web-based delivery tool for real-time supply and demand analysis; a rapid reemployment system that guides unemployment claimants into the right job or training program, and provides local One-Stop Centers with immediate access to individuals in need of significant intervention; and, a searchable database that will use sophisticated matching technology for matching the right programs and courses to job seeker occupational skills or knowledge gaps. |
| **Areas Served by Grant:** | New Jersey |
| **All Project partners:** | New Jersey State Employment and Training Commission (SETC); State Workforce Investment Board; Northeast Research Consortium; New Jersey State Clean Energy Partnership; State Energy Sector Partnership Council; New jersey's Unemployment Insurance and Job Bank system; New Jersey Commission on Higher Education; and Reemployment Development Initiative (REDI) |
| **Project Deliverables:** | <ul><li>A sophisticated labor supply/demand analysis methodology that can be applied to both green and non-green occupations in the economy and which can be replicated in any State;</li><li>A fully web-based delivery tool for the analysis that can be integrated into the State labor exchange, career exploration and guidance tools, One Stop operating systems;</li><li>A rapid reemployment system that uses the supply/demand analysis to guide unemployment claimants into the right job or the right training program and provides local One Stops with immediate access to individuals who need significant intervention;</li><li>A searchable database of the programs and in most cases the courses available in the public higher education system that uses sophisticate matching technology to find the right courses to fill identified gaps in the job seeker's skill or knowledge base. Courses will be "green" coded once the coding tool is available from the Northeast Consortium;</li><li>Career videos designed to provide a brief, visual introduction to high demand "green" careers and the world of work and to supplement more detailed sources of career information. All of the videos will be recorded in actual places of work with real employees;</li><li>Outreach to the State's workforce and higher education community to demonstrate the system and train staff on its use; and</li><li>A national webinar to describe the methodology, the tools and the approaches as the starting for national replication.</li></ul> |
| **Contact Information:** | Tiffany Smith<br>Email: Tiffany.Smith@dol.state.nj.us |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **New Mexico Department of Workforce Solutions** |
| **Grantee City/State:** | Albuquerque, New Mexico |
| **Grant Award Amount:** | $1,250,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Linking Green Job Portals to Opportunity |
| **Project Description:** | In order to gain a better picture of green-related workforce needs, a statewide employer baseline and follow-up survey will be developed and conducted.  The survey instrument will include details such as job titles at the worksite; the number of workers; any specific training or certifications needed for jobs; and whether the employer is pursuing or receiving Recovery Act funds.  A thorough educational inventory will also be conducted.  Green Recovery Workstations will include software that will enable job seekers to create and access inventories of current skills and match those skills to green occupations where their skills are transferable will also be developed and accessible to the workforce community. |
| **Areas Served by Grant:** | New Mexico |
| **All Project partners:** | New Mexico Economic Research and Analysis Bureau; Arrowhead Center at New Mexico State University; New Mexico State Workforce Development Board; New Mexico Public Education Department; and New Mexico Higher Education Department |
| **Project Deliverables:** | <ul><li>Employer surveys;</li><li>Employment projections;</li><li>Geographic Information System (GIS) database that will allow the mapping of regions in the state that are expanding or contracting green employment activity; and</li><li>Publications, outreach presentations, online interactive career planning programs, and "Green Recovery Workstations" located in public access places.</li></ul> |
| **Contact Information:** | New Mexico Department of Workforce Solutions<br>Economic Research and Analysis Bureau<br>P.O. Box 1928,<br>Albuquerque, NM 87103<br>Email: herb.greenwall@state.nm.usl<br>Ph: (505) 383-2725 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **New York State Department of Labor** |
| **Grantee City/State:** | Albany, New York |
| **Grant Award Amount:** | $1,112,207 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | State Labor Market Information Improvement Grant |
| **Project Description:** | The New York State LMI Improvement Grant proposes to draw on labor market research focused in the areas of renewable energy, energy efficiency and clean technology industries to prepare for the successful implementation of New York's 2009 State Energy Plan. A key focus of the research will examine 13 green clusters with the following points of analysis: reviewing the characteristics of current and projected green employment; training needs and current capacity; identifying new occupations resulting from green technology; and, assessing the impact of green jobs as result of Recovery Act funding and other green investments. |
| **Areas Served by Grant:** | New York |
| **All Project partners:** | New York State Department of Labor (Research and Workforce Divisions); State University of New York; System Office of Business and Industry Relations; The Energy and Environmental Technology Applications Center at the University of Albany's College of Nanoscale Science and Engineering; the Advanced Energy Research Technology Center (AERTC) at Stony Brook University; and the New York City LMI Service Center at the City University of New York's Graduate Center (NYCLMIS). We will also consult with other stakeholders in the "green" field such as state agencies, utilities, industry associations, and unions. |
| **Project Deliverables:** | <ul><li>Current employment estimates;</li><li>Identification and analysis of job openings ;</li><li>Identification of wages and benefits;</li><li>Identification of energy efficiency (EE), renewable energy (RE) and clean energy businesses and/or green occupations within the detailed list of industries;</li><li>Short- and long-term industry and occupational projections;</li><li>Skill or competency requirements in industries or occupations in RE, EE and clean technology industries;</li><li>Demographic characteristics of workers in green jobs (gender, race, age, educational attainment, literacy skills);</li><li>Estimates of job vacancies; and</li><li>Assessment of the capacity of public workforce training providers to serve employers' needs in high growth, enhanced skills, and new and emerging occupations in the relevant sectors.</li></ul> |
| **Contact Information:** | Rod Fortran and Kevin Hannel<br>Ph: (518) 457-3805 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Employment Security Commission of North Carolina** |
| **Grantee City/State:** | Raleigh, North Carolina |
| **Grant Award Amount:** | $946,034 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | North Carolina's Green Economy Study |
| **Project Description:** | The project will conduct a large scale survey of North Carolina companies and will research how the state's Help Wanted Online (HWOL) dataset can be used to estimate local and real-time employment demand and identify green occupational skill requirements and work tasks. Results of the survey will assist North Carolina in understanding the impact of implementing green technologies on industry and occupational employment.  Project deliverables will include a report on the findings of the employer survey and HWOL research, green industry and occupational factsheets, green industry and occupational web-based modules that will enable searches of the survey estimates, and a web-based tool to estimate the supply of human capital for green jobs within a user-defined geographic area. |
| **Areas Served by Grant:** | North Carolina |
| **All Project partners:** | North Carolina Labor Market Information Division; North Carolina Commission on Workforce Development; North Carolina State Energy Office; North Carolina Community College system; University of North Carolina;  North Carolina Sustainable Energy Association; and North Carolina State Center for Urban Affairs and Community Services |
| **Project Deliverables:** | <ul><li>*North Carolina's Green Economy Study* report summarizing the findings of both the survey and the HWOL research;</li><li>Green industry/occupational factsheets for the seven (EDRP) areas;</li><li>Green industry/occupational module in the Demand Driven Data Delivery (D4) internet application;</li><li>A web tool to estimate supply of human capital for a user defined area with a specialized report for green industries;</li><li>A summary of public educational resources providing courses/programs that lead to green industry-recognized credential, certificates, or degrees as well as a summary linking the training to the green occupations identified; and</li><li>Ability for firms to list green jobs and workers to search for green jobs in the North Carolina job bank (JobConnector).</li></ul> |
| **Contact Information:** | Email: NCGreenSurvey@NCESC.gov |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Ohio Department of Job and Family Services** |
| **Grantee City/State:** | Columbus, Ohio |
| **Grant Award Amount:** | $1,015,700 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | Building the Education, Career Pathways and Labor Exchange Infrastructure within the New Business Paradigm of a Green Economy |
| **Project Description:** | The proposed project will begin by identifying the industry and occupation sectors, as well as key green employers in each of Ohio's economic regions. Working with regionally appropriate green sectors and key green employers around which Ohio will structure green workforce development, the project will assess skills gaps for green jobs by evaluating current green job definitions and measures, mapping educational curricula assets, and identifying curriculum gaps. With the findings of the proposed project, the grantee will develop a green jobs curriculum, produce an Ohio green jobs training directory, disseminate green career pathways modules and information through One-Stops and WIA-eligible training providers, and develop new green jobs interfaces for the state labor exchange system. |
| **Areas Served by Grant:** | Ohio |
| **All Project partners:** | Ohio Department of Jobs and Family Services, Bureau of Labor Market Information; Ohio Department of Development, Office of Workforce Development and the Ohio Energy Office; Ohio Governor's Workforce Policy Advisory Board; Ohio Board of Regents; Ohio Department of Education; the University System of Ohio: Ohio Skills Bank and Ohio Adult Workforce and Training Education Network; Center for Workforce Learning; the Voinovich School of Leadership and Public Affairs; and Local WIBs |
| **Project Deliverables:** | ▪ Green career pathways will be incorporated within the labor exchange process and systems in Ohio ; <br> ▪ Green curriculum guidelines and a green jobs training directory will be published for the service providers and job seekers in the labor exchange system; <br> ▪ Identification of the key businesses and industry clusters, by economic development region, that are leaders in the green economy and the consumers in need of green knowledge and skills; <br> ▪ Enhancement of Labor Exchange Infrastructure; and <br> ▪ Regional training sessions for the WIA training providers and the Ones-Stop labor exchange network. |
| **Contact Information:** | Keith Ewald <br> Ohio Department of Job & Family Services <br> Office of Workforce Development <br> Bureau of Labor Market Information <br> P. O. Box 1618 <br> Columbus, OH 43216-1618 <br> Voice: (614) 466-9820   Fax: (614) 752-9621 <br> Email: keith.ewald@jfs.ohio.gov |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **State of Oregon Employment Department** |
| **Grantee City/State:** | Salem, Oregon |
| **Grant Award Amount:** | $1,250,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Greening of Oregon's Workforce |
| **Project Description:** | The Oregon Employment Department (OED) will build on Oregon's recent green jobs survey to get detailed information on green occupations and industries of particular interest and disseminate the data widely through direct labor market information including reports, articles, and brochures.  The OED will also create a community college green training performance system that will track student outcome data for students in programs preparing for green jobs.  Investments will be made in system information and infrastructure, incorporating AutoCoder and Green Jobs Extractor into the WorkSource Oregon Information System. New green career pathways will be found at the community college level, and an estimated 30 WorkKeys profiles of at least 10 different occupations will be created to identify the skills needed to successfully perform green jobs. |
| **Areas Served by Grant:** | Oregon |
| **All Project partners:** | Oregon Workforce Investment Board; Oregon Department of Community Colleges and Workforce Development; and Oregon Career Information System |
| **Project Deliverables:** | ▪ *Greening of Oregon's Workforce* report;<br>▪ At least 10 stand-alone reports focused on single occupations, providing a broad range of information about the occupation, specifically focusing on the degree to which green jobs are important in the occupation, and the wages, education, skills, and other characteristics of those green jobs;<br>▪ At least 12 special green jobs-related articles incorporated into existing publications such as *Oregon Labor Trends* and *Careers;*<br>▪ Posting reports and other materials on the www.QualityInfo.org website, as html and pdf documents, on the OED blog and Twitter;<br>▪ Presentations;<br>▪ 20,000 brochures and 2,000 posters particularly focused on the unemployed or other job seekers, with key facts about green jobs, including the types of occupations where they are most likely to be found, the key skills needed, etc.;<br>▪ Occupation, industry and job information on OED's QualityInfo website;<br>▪ Job files on identified green jobs in Oregon CIS which is located in all Oregon high schools and WorkSource Oregon one stops; and 3 CIS articles and 3 green learning activities;<br>▪ Five to seven Career Pathways at all 17 Oregon community colleges; and<br>▪ 30 WorkKeys profiles of at least 10 different occupations, to identify and disseminate the skills needed to successfully perform green jobs. |
| **Contact Information:** | Email: Charlie.B.Johnson@state.or.us<br>Website: www.QualityInfo.org/Green |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Commonwealth of Pennsylvania, Department of Labor and Industry** |
| **Grantee City/State:** | Harrisburg, Pennsylvania |
| **Grant Award Amount:** | $1,250,000 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Greening Pennsylvania's Labor Market Information |
| **Project Description:** | Pennsylvania will engage agencies, local workforce boards, employers and industry partnerships to guide the collection, analysis and dissemination of real-time labor market data on the green economy necessary to align the state's workforce infrastructure with evolving employer demands.  The grantee will perform a statewide baseline survey of the green economy to estimate current and future green jobs, critical occupations, and skill needs in emerging occupations.  Data collected in this survey will be validated through employer focus groups, knowledge of industry partners, and job task analyses of subject matter experts.  This data will provide detailed information needed to target workforce investments to the needs of green industries.  Research will culminate in the development of an automated career tool to market green jobs to job seekers that will include information on wages, career paths, education and certification requirements. |
| **Areas Served by Grant:** | Pennsylvania (PA) |
| **All Project partners:** | PA's Center for Workforce Information and Analysis; PA's Department of Labor and Industry; Bureau of Labor Statistics/U.S. Department of Labor; Penn State University; PA State Workforce Investment Board; PA Departments of Environmental Protection, PA Department of Community and Economic Development; PA Department of Education; Keystone Research Center; and PA Partners |
| **Project Deliverables:** | ▪ Employer Survey estimating current employment, job openings and vacancies, short-term industry and occupational projections;<br>▪ PA Green Jobs Report series;<br>▪ Asset map/inventory of industry partnership and state and local WIBs re: curricula, training capacity, curricula needed to meet employer needs; and<br>▪ Green Career Tool. |
| **Contact Information:** | Mark Hoover<br>Commonwealth of Pennsylvania<br>Department of Labor & Industry<br>651 Boas Street, Room 220<br>Harrisburg, PA 17121<br>Email: marhoover@state.pa.us |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Puerto Rico Department of Labor and Human Resources** |
| **Grantee City/State:** | San Juan, Puerto Rico |
| **Grant Award Amount:** | $1,248,388 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | Puerto Rico's Labor Market Information Improvement Grant |
| **Project Description:** | Puerto Rico will develop a comprehensive labor market information system to identify and enhance green jobs and industries.  Puerto Rico will identify green activity characteristics and develop a system to make information available on green industry composition and projections; industry clusters and economic data; academic skills requirements; academic, technical, and vocational courses, degrees, licenses, and certifications; job openings; and related supportive services. |
| **Areas Served by Grant:** | Puerto Rico |
| **All Project partners:** | Puerto Rico Infrastructure Financing Authority; Puerto Rico Green Jobs Committee; Human Resources and Occupational Development Council; Puerto Rico Energy Affairs Administration; Public Service Energy Committee; Office of the Governor; Puerto Rico Industrial Development Corporation; Puerto Rico Trade Company; and the State Workforce Investment Board |
| **Project Deliverables:** | ▪ **Industry Survey:** Current/future employment trends, Type of competencies by industry and occupation, Job Openings- Wages/Benefits, Demographics, Training needs, and  Industry composition by Region;<br>▪ **Sector Survey:** Identification of energy efficiency and renewable energy businesses or green jobs by Regions, Potential new industries by geographical location and type, Job Forecast — Wage/Benefits, and Energy ARRA funded projects;<br>▪ **Guidance for Job Seekers** (DOL webpage, www.puertoricotrabaja.com): Educational Resources, Vocational entities, Job Hunting Orientation - résumé preparation, interview techniques, and Type of jobs and required education, skills and Competencies; and<br>▪ **Government Information:** Link to www.buengobiernopr.com - Energy Public Policy and initiatives, Link to Puerto Rico Energy Affairs Administration (PREAA) www.aae.gobierno.pr, Link to PR Industrial Development Corporation (PRIDCO) www.pridco.com. |
| **Contact Information:** | Neida Abraham, Assistant Secretary of Planning<br>Email: neabraham@DTRH.gobierno.pr<br>Ph: (787) 754-5710 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **South Carolina Department of Commerce** |
| **Grantee City/State:** | Columbia, South Carolina |
| **Grant Award Amount:** | $763,175 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Green Jobs – LMI Improvement Research |
| **Project Description:** | This project proposes to define and measure South Carolina's green economy for workforce and economic development in the state.  Grant activities will include assessment of the potential and impact of the hydrogen and alternative energy industries as well as advanced manufacturing with an emphasis on environmentally sustainable processes.  The State will develop and disseminate reports and analysis of the State's green economy, lists of courses and programs that develop or enhance skills and competencies relevant to green jobs, develop of competency models for key green industries and career pathways for key green occupations, highlight postings of green job openings in the State's JobLink online job bank, and establish a web presence for information on the State's green economy. |
| **Areas Served by Grant:** | South Carolina |
| **All Project partners:** | South Carolina State Workforce Investment Board; Clemson University's Strom Thurmond Institute of Government and Public Affairs; State Energy Office; South Carolina Department of Employment & Workforce; South Carolina Technical College System; South Carolina Department of Education; Aiken (SC) Technical College/Aiken-Edgefield (SC) Economic Development Partnership; and the South Carolina Department of Commerce. |
| **Project Deliverables:** | <ul><li>Reports and analyses of the State's green economy;</li><li>Lists of courses and programs that develop or enhance skills and competencies relevant to green jobs;</li><li>Competency models for key green industries and career pathways for key green occupations;</li><li>Highlighted postings of green job openings in the State's JobLink online job bank; and</li><li>Web presence for the State's green economy.</li></ul> |
| **Contact Information:** | Joe Ward<br>Email: jward@sccommerce.com<br>Ph: (803) 737-3834 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Tennessee Department of Labor and Workforce Development** |
| **Grantee City/State:** | Nashville, Tennessee |
| **Grant Award Amount:** | $765,340 |
| **Period of Performance:** | December 2009- May 2011 |
| **Project Name:** | Tennessee ARRA LMI Improvement Grant |
| **Project Description:** | Through a comprehensive employer based survey, the Tennessee Recovery Act LMI Improvement Grant will gather and disseminate findings on employment data in established and new green job opportunities as a result of new public and private interest in renewable transportation, sustainable agriculture, and Federal funding focused on the State's burgeoning green economy.  This survey will expand on prior green research (Growing Green: the Potential for Green Job Growth in Tennessee 2008) by providing current estimates for the number of green jobs and green job vacancies within the 13 labor and workforce investment areas of Tennessee.  A particular focus of the grant is to help workers affected by significant automotive-related restructurings connect to career pathways in green industries.  Additionally, the Tennessee grant will develop an enhanced on-line self-service labor exchange module to assist and partner green job seekers with respective employers. |
| **Areas Served by Grant:** | Tennessee |
| **All Project partners:** | Tennessee Department of Labor and Workforce Development Divisions; the State Workforce Investment Board; Middle Tennessee State University, Business and Economic Research Center; the Tennessee Board of Regents' Workforce Development Office; Biodimensions, Inc.; the Tennessee Energy Industry and Construction Consortium (TEICC); the Tennessee AFL-CIO Green Jobs/Rapid Response Unit; and the Southern Alliance for Clean Energy |
| **Other Key Project Deliverables:** | ▪ Green Jobs Survey and smaller in-depth survey<br>▪ Self-service labor exchange module for individuals and employers<br>▪ Middle Tennessee State University's analysis of large investments |
| **Contact Information:** | Martha Wettemann<br>Email: martha.wettemann@tn.gov<br>Ph: (615) 741-2284 |

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| **Grant Program:** | State LMI Improvement Grants |
| **Grantee Name:** | **Washington State Employment Security Department** |
| **Grantee City/State:** | Olympia, Washington |
| **Grant Award Amount:** | $1,060,910 |
| **Period of Performance:** | December 2009 - May 2011 |
| **Project Name:** | Washington State Green Jobs Integration |
| **Project Description:** | The project will combine green jobs data with existing workforce information to create a comprehensive set of tools and reports to assist job seekers and job counselors in transitioning people into green jobs. The project will also create a network of data exchange services.  Project deliverables will include an enhanced green occupational profile and comparison reports, integrated data services to exchange information with other state systems, enhanced and integrated workforce and economic monitoring and analytical tools, and an online training resource to promote the understanding of workforce and economic concepts and the green economy. |
| **Areas Served by Grant:** | Washington |
| **All Project partners:** | Washington State Employment and Career Development Division; Information Technology Services Division (ITSD); Workforce Development Council (WDC); Department of Ecology and Association of Washington Businesses (AWB); and Department of Ecology. |
| **Project Deliverables:** | <ul><li>Perform a usability study to test the current success of job counselors, job seekers, and policy analysts using existing systems to attempt common tasks related to labor exchange activities and accessing or learning about green job information;</li><li>Add enhancements to existing online tools for job counselors, creating a single process that helps to identify options to transition into green jobs, gaps between existing jobs or occupations, and linkages to job openings, education providers, and potential employers;</li><li>Create a suite of electronic services that permit incorporation of workforce, green, and labor market information into other systems, such as existing case management systems or job banks;</li><li>Prepare analysis tools that will allow policy analysts to review trends and monitor the green economy; and</li><li>Produce an online learning center containing modules that will provide guidance and knowledge related to basic workforce information concepts.</li></ul> |
| **Contact Information:** | Pamela Singleton<br>Project Manager<br>Email: PSingleton@esd.wa.gov<br>Ph: (360) 438-4951 |