

State Energy Sector Partnership (SESP) and Training Grant Summary

SESP Project Team – Energy Efficient Construction, Career Alliance

Project Leads: Beth Sommers, Erin Duckett –DELEG; Alicia Booker –Career Alliance

Key Employer and Partners:

Employers: Genesee County Land Bank Authority, Genesee County Community Action Resource Department, Detroiters Working for Environmental Justice (DWEJ), Flint Housing Commission, Habitat for Humanity

Other Key Partners: Mott Community College (MCC), Baker College of Flint, Church of God in Christ Alliance, Michigan Laborers Training & Apprenticeship Institute, Flint Area Reinvestment Office

Program Summary and Training Activities:

Project proposes a green construction initiative that includes three designated projects within Genesee County and can also be expanded into Shiawassee County and other areas of the state. The training will service 225 participants and will include a combination of hands-on experience and classroom training. All training participants will be assessed by MCC to either begin the hands-on work experience phase, or the classroom-training phase. The individuals will begin training in Green Construction or Sustainable Construction Certificate Programs, which are included on the CECR. Another option for participants is to enter the DWEJ Green Jobs training program which provides opportunities through a series of green tracks including construction, mold remediation, confined space entry, CAD, energy auditing/retrofitting, deconstruction, green landscaping and environmental site management. A third option for training participants is to enter training at the Michigan Laborers Training & Apprenticeship Institute training for careers in the residential weatherization.

Projected Performance Outcomes:

Total Participants Served: 225

Total Number Completing Education/Training Activities: 180

Total Number that Complete Education/Training and Placed in Unsubsidized Employment: 131

Total Allocation: \$ 1,190,772

SESP Project Team – SEMWAC Advanced Energy Storage

Project Leads: Beth Sommers, Matt Shields –DELEG; John Bierbusse –Macomb St. Clair MWA

Key Employers and Partners:

Employers: A&D Technology, Inc., A123 Systems, ABB, ALTe, Compact Power, Dow Kokam, Exoca, Fanuc, General Motors, Battery Lab, Hirata, Lotus Engineering, Johnson Controls, Magna, Mahle, Rousch

Other Key Partners: Macomb-St. Clair County Michigan Works!, Southeast Michigan Community Alliance (SEMCA) Michigan Works!, Wayne State University (WSU), Michigan Technological University (MTU), Detroit Regional Chamber, Engineering Society of Detroit, Macomb Community College (MCC)

Program Summary and Training Activities:

Training through the SESP grant will be provided by WSU, MTU, MCC, and A&E Technology. WSU will offer certificate programs in Advanced Energy Storage at the undergraduate and graduate levels. The undergraduate certificate requires four 3-credit courses and the graduate certificate requires three 4-credit courses. MTU will offer an individual graduate level course and a professional development program in Principles of Energy Storage. MCC in partnership with A&D Technology will provide an Advanced Energy Storage Certificate following completion of three 3-credit courses. A&D Technology will also offer an Advanced Energy Storage Fundamental and Management Certificate after completion of 24 hours of coursework and laboratory assignments. Primary job placements will be for Design, Development or Test Engineers and Technicians, Assemblers, Technologists, and Engineers.

Projected Performance Outcomes:

Total Participants Served: 620

Total Number Completing Education/Training Activities: 602

Total Number that Complete Education/Training and Placed in Unsubsidized Employment: 593

Total allocation: \$1,676,742

SESP Project Team – SEMWAC Solar

Project Leads: Beth Sommers, Matt Shields –DELEG; John Bierbusse –Macomb St. Clair MWA

Key Employers and Partners:

Employers: ECD Unisolar Ovonics, Power Panel, Solar Works LLC, Harland Electric LLC, Xtreme Power, Clairvoyant, Luma, GM Engineers and Associates, Casa de Santiago, Power Panel, Mechanical Energy Systems

Other Key Partners: Macomb-St. Clair County Michigan Works!, Livingston County Michigan Works!, Henry Ford Community College, Next Energy

Projected Performance Outcomes:

Total Participants Served: 82

Total Number Completing Education/Training Activities: 79

Total Number that Complete Education/Training and Placed in Unsubsidized Employment: 77

Program Summary and Training Activities:

Training through the SESP grant will consist of the Energy Technology – Renewable Energy Basic and Advanced Certificate programs offered through Henry Ford Community College. The Basic Certificate is a 10 credit hour program targeted toward incumbent or dislocated workers in contract positions with local renewable energy companies. The Advanced Certificate is a 35 credit hour program that includes and builds on the Basic program and is designed for general technical careers in renewable energy. Each of the Certificate Programs are listed on the Career Education Consumer Report (CECR). 82 participants would be served with this training. Primary job placements will be Renewable Energy and Energy Efficiency Technicians and Installers.

Total allocation: \$415,548

SESP Project Team – Solar, Great Lakes Bay

Project Leads: Beth Sommers, Erin Duckett –DELEG; Ed Oberski –Great Lakes Bay MWA

Key Employers and Partners:

Employers: Dow Corning, Dow Chemical, Hemlock Semiconductor, Evergreen Solar, Suniva

Other Key Partners: Delta College, Economic Development Partnership, Saginaw Future, Bay Future, Midland Tomorrow, Region 7B Michigan Works! Great Lakes Bay Michigan Works!

Program Summary and Training Activities:

Two year associates degree program in chemical process at Delta College. Delta has also implemented the “Fast Start” program which is a 16 week program that provides students skills and certifications required by the regions employers. Each “Fast Start” class holds between 16 – 24 students, and the past three programs have a 90% placement rate. This training is in direct demand from the solar manufacturer employers in the region. 355 participants will be served with this training over the course of three years. Primary job placements will be for Chemical Process Technicians. There would be no new curricula developed for Chemical Processing, this program builds on the existing model at Delta College. Other curriculum will be tailored to meet the training needs of the new employer in the area, Suniva. Both the Chemical Process Technician through Fast Start and the Chemical Process Associates Degree are listed on the CECR.

Projected Performance Outcomes:

Total Participants Served: 355

Total Number Completing Education/Training Activities: 276

Total Number that Complete Education/Training and Placed in Unsubsidized Employment: 251

Total allocation: \$2,536,937