

M A R Y L A N D

GOVERNOR'S WORKFORCE INVESTMENT BOARD

Center for Industry Initiatives Aerospace Industry Initiative Summary September 2011

Coordinator

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Committee Chair(s)

Harry Solomon, Director, Engineering Support Programs, Stinger Ghaffarian Technologies (SGT, Inc.)

Committee Activities and Updates

- The Aerospace Leadership Team meets bi-monthly to continue to drive implementation of its initiatives.

Aviation Maintenance Technology School at Hagerstown Regional Airport

- On April 30, 2011, Governor O'Malley arrived at Hagerstown Regional Airport aboard a Cape Air regional flight to the opening of the Aviation Maintenance Technology (AMT) School. The school, operated and administered by the Pittsburgh Institute of Aeronautics, trains students to become entry level aircraft technicians. Graduates of the AMT program are eligible to sit for the FAA's Airframe & Powerplant (A&P) certification examinations. The program for aviation mechanics will develop a skilled workforce to fill high-paying aviation maintenance positions and allow Hagerstown Regional Airport to expand services.
 - Currently, the school has 22 full-time students planning to complete the 16-month program and obtaining their Airframe and Power Plant Certificates on August 17, 2012.
 - The second cohort of 18 students began on September 1, 2011.
 - The third cohort of 25 (full enrollment) will begin on January 5, 2012.
 - The school now has four full-time employees, which includes the director and three instructors. A recruiter/staff assistant will soon be hired, as will another full-time instructor.
 - Equipment continues to arrive, many that were ordered prior to the school's opening, but must be custom manufactured and shipped.
 - The school was granted FAA certification as of April 22, 2011, and Maryland Higher Education Commission Accreditation on July 22, 2011.
 - Enrollment is limited to some extent by the fact that armed service personnel are not granted GI Bill reimbursements until the campus has been in existence for 24 months.

Background

- GWIB's involvement in this project dates back to early 2006 when the project was conceived in response to a GWIB survey which evaluated training programs available which could fill the needs of three federal contractors operating at the Hagerstown Regional Airport (HGR). GWIB convened a business-led task force and provided direction to the committee as it sought guidance on proposed next steps. Support from the National Skills Coalition and Maryland's Department of Business and Economic Development (DBED) were provided as well. Additionally,

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**Center for Industry Initiative
U.S. Department of Health and Human Services
Human Resources Services Administration
Workforce Planning Grant
September 2011**

Coordinators

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Committee Chair

William G. "Bill" Robertson, President & CEO Adventist HealthCare, Inc.

Committee Members

A list of organizational members is on the back page.

Background

In October 2010, the Governor's Workforce Investment Board (GWIB) was awarded a one-year \$150,000 health care workforce planning grant from the US Department of Health & Human Services, Health Resources & Services Administration (HRSA). The GWIB serves as the State's lead entity for developing the health care workforce expansion plan; the objective of which is to develop a strategy for implementing a 10-year workforce expansion blueprint. This blueprint (**Preparing for Reform: Health Care 2020**) is designed to increase the primary care workforce by 10 to 25 percent over a 10- year period.

The GWIB established a high-level health care workforce steering committee composed of GWIB board members that have undertaken a rigorous planning process leading to development of the 10-year health care workforce expansion blueprint. Building on our well-established sector initiatives model, the GWIB is collaborating with our broad network of health care industry leaders, the education community, including two- and four-year institutions of higher education, and the public workforce system.

Committee Activities and Updates

The Steering Committee determined in September 2010 that five regional listening tours would be conducted in order to obtain unique input from healthcare stakeholders in different areas of the State. Five listening tours were held in the following area ~ the Baltimore Metropolitan Area, the Washington, D.C. Metropolitan Area, the Eastern Shore in Cambridge, Southern Maryland in Clinton, and in Cumberland in Western Maryland. Attendees have included representatives from schools of medicine, nursing, pharmacy, statewide associations, county health departments, federally qualified health centers, health systems, as well as private practitioners, behavioral health providers, and insurers.

All five regions expressed varying concerns; however, several overarching themes emerged ~ the need for pre-practice training opportunities, loan repayment assistance, an increase in clinical practice sites, and unequal reimbursements for comparable tasks.

The Steering Committee reconvened on May 5, 2011, to be briefed on the outcomes of the listening tours. Discussion centered on the four or five statewide barriers to a sufficient supply of primary care providers. These major areas of concern will inform the final plan.

Outcomes and Next Steps

The collaboration between the GWIB and Hilltop Institute continues as the plan is finalized. Preliminary concept papers were reviewed by key personnel, and have been presented to the Steering Committee for their comments.

The GWIB is hosting a Health Care Workforce Planning Summit on September 19, 2011, where the final plan will be presented, and the discussion will focus on the importance of growing Maryland's health care primary care workforce in preparation for full implementation of the Affordable Care Act.

The final plan will also be submitted to HRSA, as well as Maryland's Health Care Reform Coordinating Council (HCRCC).

Steering Committee Members

- William G. Robertson President, Adventist HealthCare, Inc.
- President Towson University
- Patrice Cromwell Associate Director, Annie E. Casey Foundation
- Fred Mason, Jr. President, Maryland & District of Columbia AFL-CIO
- Ronald Peterson President, Johns Hopkins Health Systems
- John Reid Executive Vice President, 1199 SEIU
- Alexander Sanchez Secretary, Department of Labor, Licensing & Regulation
- Claire Smith Dean, Anne Arundel Community College
- Danette Howard Interim Secretary, Maryland Higher Education Commission

GWIB and SGT, Inc. provided technical assistance during a Familiarization Tour of HGR in November, 2009, when four out-of-state training providers met to assess the facilities and the program requirements made by the employers involved.

- After several years of continued collaboration, the project was funded. **U.S. Senators Benjamin L. Cardin and Barbara A. Mikulski** announced on December 21, 2010, that the Appalachian Regional Commission (ARC) awarded \$272,975 in grant funding to establish the Aviation Maintenance Technology School at Hagerstown Regional Airport in Hagerstown, Maryland. In addition to the ARC funding of \$272,975, the Pittsburgh Institute of Aeronautics provided \$427,075, bringing the total project funding to \$700,000.
- The School, administered by the Pittsburgh Institute of Aeronautics (PIA), trains local workers who are then capable of serving the aircraft maintenance needs at the regional airport. They receive Federal Aviation Administration (FAA) certifications as aircraft maintenance technicians, filling high-paying aviation maintenance positions, boosting the local economy and allowing the airport to expand.

Next Project for the Aerospace Industry Initiative

- The National Aeronautical and Space Administration (NASA) was established in 1958 to conduct scientific research and to stimulate public interest and awareness in aerospace exploration as well as science and technology. The NASA Goddard Space Flight Center located in Greenbelt, Maryland is one of eight space centers throughout the country. Goddard opened in 1959 and is the largest of the other seven space centers. In 1969, and keeping with the educational goals of the agency the Visitor Center opened its doors to the public. However, it has long been recognized that the 11,700 sq. ft. center is inadequate to showcase NASA's work and accomplishments in a Goddard context. A new center has been conceptualized which will be named Science Exploration and Education Center (SEEC). Its mission will be to inspire, engage, and educate people, leveraging NASA Goddard Space Flight Center's endeavors in Earth and Space Exploration. The GWIB Aerospace Industry Initiative will focus on working with NASA to possibly relocate and expand the Visitor Center so that it may reach its full potential for education and inspiration.

Steering Committee Members

- **Anne Anikis**
Hagerstown Community College
- **Warren R. DeVries, Ph.D.**
University of Maryland, College of Engineering & Information Technology
- **Connie Finney**
Johns Hopkins University, APL
- **Glen Fountain, P.E.**
Johns Hopkins University, APL
- **Robert Gabrys, Ph.D.**
N.A.S.A. Goddard Space Flight Center
- **Yuanwei Jin, Ph.D.**
Dept. of Engineering & Aviation Sciences, UMES
- **Dean Kendall**
MD Department of Higher Education
- **Larry Klein, Ph.D.**
RS Information Systems, Inc.
- **Greg Larsen**
Hagerstown Regional Airport
- **Anoop Mehta, CPA** Past Chair
Science Systems and Applications, Inc.
- **Katharine Oliver**
Maryland State Department of Education
- **Luke Rhine**
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- **Harold Stinger**
SGT, Inc.
- **Patrick Tonui**
Maryland Department of Business & Economic Development
- **Michael B. Yachmetz**
ManTech International Corporation

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GOVERNOR'S WORKFORCE INVESTMENT BOARD

Maryland Energy Sector Partnership (MESP) and Training Grant Overview September 2011

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Committee Chair(s)

- Gino J. Gemignani, Jr., Senior Vice President, Whiting-Turner Contracting Company
- I. Katherine Magruder, Executive Director, Maryland Clean Energy Center

Committee Members

A list of organizational members is on the back page.

Maryland Energy Sector Partnership (MESP): Smart, Green and Growing

Through June 2011, obligations for grant administration and training by the local WIBs and other partners are \$4,827,826, or 85-percent of the total three-year grant. Expenditures are \$1,768,395, with an additional \$1,215,697 of contracted expenses pending. This represents 62% of the obligated funds.

- **Green Training for Energy Efficiency Achievement (Green TEEA)** provides training in green construction including energy-efficiency, insulation training, building information and modeling, electrical generation/Smart Grid Technology, green building maintenance, residential retrofitting and deconstruction. The consortium has trained 223 individuals and is working to expand its IBEW-Local 26 training model to other IBEW chapters in Baltimore, Upper Shore and Western Maryland. The Construction and Energy Technologies Education Consortium (CETEC), 11 community colleges and a Green TEEA partner, have worked with the Maryland Energy Administration and the Department of Housing and Community Development to identify 200 employers who may be eligible for grant funded training. CETEC worked with Baltimore County to scheduled one class in August, and a second class is planned for September.
- **Go Solar!** provides electricity basics and PV installation training for entry-level workers and incumbent worker certification in NABCEP's Entry Level Certificate of Knowledge of Solar PV Systems and Solar PV Installer Certification examination. The consortia provides incumbent training every seven weeks and is scheduling new entry work training programs (14-weeks) for the fall. Go Solar! has trained 405 participants, which represents 84% of its three-year goal.
- **The Baltimore Regional Green Tech Workers Program (Green TECH)** increases sustainability and energy efficiency competencies for Maryland's manufacturing workforce through the entry-level Green Worker Training Program, and incumbent or skilled worker Green Workforce Certification classes. Certification classes are scheduled monthly. The first new entry worker training class of 16 started in January and a second cohort of classes started in April. The consortium has placed 100 participants into training. The Regional Manufacturing Institute (RMI) has organized two Manufacturers Employer Forums, one in June and another in August to raise awareness for the program within the manufacturing employer community.
- **CACHE Institute for Environmental Careers (CACHE)** provides environmental tech

training that meets the needs of industry, government agencies, land management companies, developers and other firms who use, protect and restore natural resources in and around the Chesapeake Bay. The first class enrollments occurred in January, with 27 students. The consortium promoted training to Maryland's Career Technology Education (CTE) teachers, and is developing additional courses based on the partner's environmental curriculum.

Activities and Updates: June to August

LWIB Partner Meetings

- Environment Tech Advisory Board (CACHE): June and July, 2011.
- Manufacturing Partners Meeting: Maryland RMI Employer Forum June 8, 2011, and August 24, 2011.
- Go Solar! Partners Meeting: June 22, 2011.

Green Navigators Technical Assistance

- Individual meetings with eight green navigators from Mid Maryland, Baltimore City, Montgomery County, Southern Maryland, Prince George's County, Anne Arundel County, Susquehanna and Baltimore County.
- Weatherization Training development meetings with CETEC, Montgomery County and Baltimore County green navigators, June, 2011.
- Meeting with University of Maryland Manufacturing Assistance Program (UM-MAP) and Baltimore County green navigator to review status of training providers for GreenTECH, July, 2011.

Outreach

- Exhibited at the GreenLife Festival June, 2011 (for employers and workers).
- Exhibited at the Maryland Clean Energy Summit August, 2011.
- Employer presentations in partnership with RMI and IEC Chesapeake.

Outcomes and Next Steps

- Establish and monitor recruitment, training and placement outcome targets for each consortia and WIB partner.
- Provide information and technical assistance to green navigators.
- Organize and/or attend meetings with employers.

Steering Committee Members

Executive Committee

- James Rzepkowski, Director
Constellation Energy
- Alexander Sanchez, Secretary
Department of Labor, Licensing and Regulation
- Lynn Reed, Executive Director
Governor's Workforce Investment Board
- Brian Cavey, Director Apprenticeship Training
Heat and Frost Insulations and Allied Workers 24
- Christian Johansson, Secretary
Maryland Department of Business and Economic Development
- Raymond Skinner, Secretary
Maryland Department of Housing and Community Development
- Malcolm Woolf, Director
Maryland Energy Administration
- Jeff Niesz, Director
Pepco Energy Services

- Daniel Mosser, Vice President
College of Southern Maryland
- Peter Lowenthal, former Executive Director
Solar Energy Industries Association Maryland
- Stan Seidel, Director
U.S. Department of Labor - Veterans Employment

MESP Steering Committee Members

- Faith Tennent, President
Association of Builder & Contractors - Chesapeake
- Frank Greenfield
BP Solar
- Alan Kutz
College of Southern Maryland
- Greg Fox, Director
Constellation Energy Projects and Services Group
- Andy Moser, Executive Director
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- Jeff Beeson, Apprenticeship Director
Department of Labor, Licensing and Regulation
- Rick Barrett, Account Executive
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- Katherine Oliver, Asst. State Superintendent
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- Jim Pierobon, Vice President Policy & Market Development
Standard Solar, Inc.
- Carole Jacolick, Vice President
SunEdison
- Frank Lee, Director of Energy Efficiency, Services and Performance
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