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## Did you know?

- Maryland's energy consumption increased nearly 300 % from 1980 to 2008.<sup>1</sup>
- The average American household uses at least 21 % more electricity now than was used 30 years ago.<sup>1</sup>
- Energy consumption is expected to grow by 11% in the next 20 years.<sup>1</sup>
- Maryland has enough renewable energy resources to produce from 30 to 137 % of all the State's electricity needs.<sup>2</sup>
- Maryland hosts 2.3% or 500 of the 21,692 clean energy businesses found in the United States.<sup>3</sup>

<sup>1</sup>Source: *Understanding MD's Need for Improved Electricity Infrastructure*. 2008.

<sup>2</sup>Source: *Economic Development Potential of Clean Energy Technology in Maryland and Feasibility Study for a Maryland Clean Energy Center*. 2006.

<sup>3</sup>Source: *Maryland Strategic Electricity Plan*. 2008. *Maryland Energy Administration*.



## Greener Jobs for Maryland

## Millions of Green Jobs Will Lead *Green* Economic Recovery in Coming Years?

Many state governments are launching green jobs initiatives in anticipation of the millions of new green jobs that will lead a decade-long green economic recovery — including Maryland. But the question remains – what is the green economy, green recovery and green jobs?

### What is Green?

“Green” is rooted in the development and use of products and services that promote energy security, a reliable supply of affordable energy, and/or environmental quality. Maryland's green economy includes businesses directly engaged in the development, sale, installation and application of products and services that promotes energy security and/or protects our environment. A business is considered green if it uses a product to conserve energy, while a green business makes, sells, or installs that product.

### Green Economy

The green economy crosses many industry sectors including manufacturing, construction, specialty trade contracting, and business services, and includes those businesses engaged in:

- Energy efficiency and conservation;
- Renewable energy and alternative energy;
- Waste reduction and recycling; and
- Preventing and reducing pollution;

mitigating or cleaning up pollution.

### Green Jobs

Green jobs are found in the industries and businesses in Maryland's green economy. A vast majority of the direct green jobs are standard jobs, and built on the skills of those existing jobs. High demand green jobs are for skilled trades (electricians, plumbers, carpenters), as well as for engineers, installers, technicians, building inspectors, and home energy auditors. Green businesses will also need workers for indirect positions that include management, marketing, sales, and finance.

The most efficient and effective way to prepare a green workforce is to build on the existing foundation of state and local workforce development systems. Maryland does not need to invent new programs to meet workforce needs. There are hopes of embedding green skills training within current programs. Retrofitting, for example, requires not “green construction workers,” but rather workers with traditional construction skills who also have up-to-date training on energy-efficient construction.

For more information, please contact Bernard Reynolds at

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## Retrofits Improve Efficiency and Create Jobs

The Energy Information Administration (EIA) estimates that 40 percent of the nation's energy is used by *existing* structures (101 million residences and 4.6 million commercial buildings). Retrofitting them to meet the Leadership in Energy and Environmental Design (LEED) standards of the Green Building Council (GBC) would do more to improve energy-efficiency and reduce greenhouse gas emissions than conversion from fossil fuels to all other alternative energy sources combined.

The public sector can lead the way with a commitment to retrofit municipal buildings, universities and schools, and public hospitals, as well as through financial incentives provided to targeted populations living in the least energy-efficient older dwellings (e.g., weatherization programs for the elderly and low income families).<sup>1</sup>

Various efforts have been made to estimate job creation resulting from investments in retrofitting existing structures. The Council on Wisconsin Strategy (COWS) reports that for every 1 gigawatt of energy saved, 1.5 jobs will be created and every \$1 million spent on retrofits will result in 8 to 10 new jobs in construction.

Retrofitting also has ripple effects. Each 50,000 MW in energy-efficiency gains yields 100,000 jobs in green energy equipment manufacturing, certified building materials manufacturing and wholesaling, trucking, etc.<sup>2</sup>

Source: "Green Collar Workers and Other Mythical Creatures," *Labor Market and Career Information Department, Texas Workforce Commission, August, 2008.*

## Energy Factoids...

<sup>1</sup>*EmPOWERing* Low-to-Moderate Income Households

Low-to-moderate income families in Maryland may be eligible to receive approximately \$5,000 worth of energy efficiency upgrades, including building shell improvements as part of a cooperative program between Maryland Energy Administration (MEA) and the Department of Housing and Community Development (DHCD). MEA will expand the Assisted Home Performance (AHP) program run in cooperation with DHCD's Weatherization Program.

Source: *Maryland Energy Administration, "Using the Strategic Energy Investment Fund."*

<sup>2</sup> 8,000 new direct and indirect jobs (both trade and professional green jobs) by 2015 would be created by Maryland's investment in energy efficiency, according to the American Council for an Energy-Efficient Economy.

## Tri-County Council Appoints Officers for Reinstated Southern Maryland WIB

Charles County Commissioner Gary V. Hodge has appointed three regional business leaders to serve as new officers for the re-established Southern Maryland Workforce Investment Board. Maurice I. "Butch" Long, Jr. has been named chairman, Austin J. Slater, Jr., vice chairman, and Michael Benton, secretary.

"These three dynamic business leaders from Charles, St. Mary's, and Calvert counties will lead the effort to restart our Workforce Investment Board." Commissioner Hodge stated.



Acting chairman, Butch Long said, "I am honored to be asked and privileged to serve Southern Maryland on this important workforce investment board. This effort will provide the impetus and focus to strengthen our existing workforce, build critical skills for future jobs, and better position Southern Maryland to compete and grow our economy."

Acting as a nominating committee, Long, Slater, and Benton will be recommending candidates for appointment to the 16 business and 13 other organizational seats on the WIB. The three officers will be assisted by Ellen Flowers-Fields, director of regional economic development for the Tri-County Council, in starting up the WIB. The slate of board member recommendations was presented for action at the November meeting of the Tri-County Council's Executive Board

## Governor Appoints Five New Members to the GWIB

Governor Martin O'Malley recently appointed five new members to the Governor's Workforce Investment Board for four year terms:

**Francis H. Chaney, II**, chairman of the board for Chaney Enterprises, joins the GWIB as a business representative from the construction industry. Prior to his current position, he served the family company for over 23 years as chief executive officer, president and vice president. Mr. Chaney brings a wealth of industry and non-profit experience to the GWIB.

**Daniel DeMarinis** is the director of strategic initiatives for MITRE Corporation, a defense contractor firm that has recently expanded operations into Harford County from their base in New Jersey. Mr. DeMarinis joins the GWIB as a business representative for the BRAC community and brings a breadth of knowledge from his time spent with the local workforce investment boards in New Jersey and Maryland. He will be a valuable resources to other members as the BRAC process moves forward.

**Luisa Montero** is the managing director for the Maryland Multicultural Youth Centers (MMYC), which operates in Montgomery and Prince George's Counties serving youth. She is responsible for the start-up and day-to-day management of the Maryland sites and will be representing youth organizations on the GWIB. Ms. Montero brings more than twenty years of experience with local, national and international projects to her new position.

**Roy G. Layne**, a principal with GKA, PC Accounting, chairs the Prince George's Workforce Investment Board. He brings more than 20 years of experience providing assurance and management advisory services to public and private sector clients. Mr. Layne is a Certified Public Accountant and will be representing the local WIB chairs on the GWIB.

**Harold Stinger**, CEO and founder of SGT, Inc., is an accomplished engineering professional and entrepreneur. With over 37 years experience in the Aerospace industry, he joins the GWIB following his leadership as chairman of the Aerospace Industry Initiative. Mr. Stinger is the past president of the Maryland Space Business Roundtable and is a member of the Maryland Math and Science Coalition, and numerous other professional organizations.

## DLLR and DJS Create First Pre-Apprenticeship Program in Nation

Department of Labor, Licensing and Regulation Secretary, Thomas E. Perez, and Department of Juvenile Services Secretary, Donald DeVore, recently recognized 11 youth in the juvenile justice system who successfully completed and graduated from the nation's first Pre-Apprenticeship Program in skilled construction trades. The youth, who are residents of the Victor Cullen Center for boys, successfully completed the 10-week program that started on May 19, 2008.

The apprenticeship program included 84 hours of introductory training from 25 trade union workers from skilled construction trades including bricklayers, carpenters, electrical workers, masons, plumbers, roofers and sheet metal workers. The program curriculum was created in collaboration with the Apprenticeship and Training Division for the Heat & Frost Insulators and Allied Workers Local 24, who also facilitated the program. Each graduate earned 3 college credits from the National Labor College and certifications in CPR, First Aid and OSHA.

"One of the core principles of our workforce system is that there is no spare Marylander. This partnership is an innovative effort to provide these students with the opportunities, the skills and the resources that will allow them to succeed in the workplace and in life," said Secretary Perez.

Through this program, youth gained an understanding of how they can "earn as they learn" through apprenticeships that provide the optimum blend of on-the-job training, classroom instruction and a sound starting salary. Participants learned about job benefits, including health care, pensions, profit-sharing, paid vacations and how their salaries can increase as they gain proficiency towards becoming journeymen. The youth also learned how to enter management fields, become licensed and own their own businesses. For more information about this, or other apprenticeship and training programs, please contact Roger Lash at 410-767-2968.





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Just a few clicks away— educators can find rich online educational resources, valued professional development, and innovative multimedia learning tools — on [Thinkport.org](http://Thinkport.org). This innovative website is the product of an on-going partnership between Maryland Public Television (MPT) and Johns Hopkins University Center for Technology in Education (CTE). The site aims to help educators teach more effectively, inspire students to learn, build bridges between schools and homes, and fulfill Maryland Content Standards for education. With a focus on harnessing technology in the service of education, the site offers four distinct "experience channels" and content aimed to help viewers find and create what they need in the least amount of time.

The future of Maryland education is happening right now and Thinkport offers a unique opportunity to be a part of it! Through My Idea Box, a customized electronic "storage bin," users can hold selected resources for future use and share them with peers across the state. Teacher-to-teacher discussions, statewide announcements, and opportunities are facilitated through the Member Messaging and My Calendar features. A virtual teacher's lounge can be created with education peers around the state, focusing on the subjects and grades they teach!

For more information, please visit [www.thinkport.org](http://www.thinkport.org).

## 2009 GWIB

### Meeting Dates

March 11, 2009  
3:30 p.m. to 5:30 p.m.  
Anne Arundel  
Community College  
Arnold Campus

June 17, 2009  
3:30 p.m. to 5:30 p.m.  
Anne Arundel  
Community College  
Arnold Campus

September 9, 2009  
3:30 p.m. to 5:30 p.m.  
Anne Arundel  
Community College  
Arnold Campus

December 9, 2009  
3:30 p.m. to 5:30 p.m.  
Anne Arundel  
Community College  
Arnold Campus

## DLLR and DISA Host BRAC Job Fair

DLLR and the Defense Information Systems Agency (DISA) held the first in a series of special events to highlight federal job opportunities in November at the Sheraton Baltimore Washington Airport Hotel in Linthicum, Md. Attendees learned about future employment and career opportunities with DISA as it prepares to move to Ft. Meade, Md. by 2011 under the Base Realignment and Closure Act.

This event, along with others DISA and the Maryland Department of Labor, License and Regulation will host at different locations throughout Maryland, will focus on how attendees can build their federal résumés, how they can qualify for security clearances, and more. Also, attendees will be able to learn about DISA's career opportunities and award-winning quality of life programs.

DISA offers career opportunities that will vary over time according to agency needs, from positions in information technology and telecommunications to contract management and administration, plus many others. DISA will begin moving to Ft. Meade in 2010 and finish in 2011, where nearly all positions will be located.

DISA provides real-time information technology and communications support to the President, Vice President, Secretary of Defense, the military services, and the combatant commands.

To learn more about DISA and the career opportunities available, visit their website or contact DISA's Manpower, Personnel and Security Office, Civilian Personnel Division at (703) 607-6933 or the Department of Labor, Licensing and Regulation Communications Office (410) 230-6071.