

Collection of Reports on Green Collar Training & Workforce Development

IREC Workforce Development Conference Presentations:

Presentations from *New Ideas in Educating a Workforce in Renewable Energy & Energy Efficiency A National Conference for Educators & Trainers*, March 19-20, 2008. The "New Ideas in Educating a Workforce in Renewable Energy and Energy Efficiency Conference" took place on March 19 and 20, 2008, at Hudson Valley Community College in Troy, New York. Over 50 speakers shared their expertise and experiences with 300 attendees from Community Colleges, Technical High Schools, Training Centers and others from 33 states as well as representatives from Australia, Germany and Canada.

Sessions dealt with market trends, economic drivers, instructional strategies, curricula development and best practices for training in the renewable energy and energy efficiency fields.

[http://www.irecusa.org/index.php?id=59&tx_ttnews\[pS\]=1208301147&tx_ttnews\[tt_news\]=990&tx_ttnews\[backPid\]=50&cHash=6d354af998](http://www.irecusa.org/index.php?id=59&tx_ttnews[pS]=1208301147&tx_ttnews[tt_news]=990&tx_ttnews[backPid]=50&cHash=6d354af998)

Listed below are research reports created by the Apollo Alliance, Green for All, and others regarding the need and availability of green workforce positions:

Green Collar Jobs in America

Green For All, in partnership with the Apollo Alliance, Center for American Progress, and the Center on Wisconsin Strategy, recently released this guide to help cities across America develop strategies to spur the creation of green-collar jobs and opportunity in their communities.

<http://www.greenforall.org/resources/green-collar-jobs-in-america2019s-cities/download>

Growing Green Jobs_Energy Efficiency

The first in a series of reports prepared by Urban Agenda for New York City Apollo Alliance on green-collar jobs as pathways out of poverty and toward a greener city. This report focuses on improving energy efficiency in existing buildings, "one of the largest, fastest growing, and most promising green sectors for New York City."

<http://www.greenforall.org/resources/growing-green-collar-jobs-energy-efficiency-by/download>

Greener Pathways

The Center on Wisconsin Strategy, the Apollo Alliance, and TWA released Greener Pathways, a report on middle-skill green jobs that includes an action plan for state policymakers, highlighting policy, program, and system reform opportunities.

<http://www.cows.org/pdf/rp-greenerpathways.pdf>

Job Opportunities for a Green Economy

This report provides a snapshot of what kinds of jobs are needed to build a green economy in the United States. The report focuses on six key strategies for attacking global warming and highlights some of the major "green jobs" associated with each of these approaches.

The six green strategies examined here are: building retrofitting, mass transit, energy-efficient automobiles, wind power, solar power, and cellulosic biomass fuels. The vast majority of jobs associated with these six green

strategies are in the same areas of employment that people already work in today, in every region and state of the country.

http://www.umass.edu/economics/Green_Jobs_PERI.pdf

Renewable Energy and Energy Efficiency: Economic Drivers for the 21st Century

A report from the nonprofit American Solar Energy Society shows that as many as 1 out of 4 workers in the U.S. will be working in the renewable energy or energy efficiency industries by 2030. Research was led by energy economist Roger Bezdek, Ph.D., President of Management Information Services, Inc, based in Washington, D.C.

Key findings of the report include:

- By the year 2030, the renewable energy and energy efficiency industries could generate up to \$4.5 trillion in revenue in the U.S., but only with the appropriate public policy, including a renewable portfolio standard, renewable energy incentives, public education, and R&D
- The 40 million jobs that could be created in renewable energy and energy efficiency by 2030 are not just engineering-related, but also include millions of new jobs in manufacturing, construction, accounting, and management
- Renewable energy and energy efficiency industries today generate nearly \$1 trillion in revenue in the U.S. contributing more than \$150 billion in tax revenue at the federal, state, and local levels
- Revenue from the energy efficiency sector -- including from energy efficient windows, appliances, insulation, and recycling -- is currently larger than revenue from renewable energy, but the renewable energy industry is growing much more quickly

<http://www.ases.org/images/stories/ASES-JobsReport-Final.pdf>

Defining Energy Technologies and Services

A report from a forum sponsored by the Advanced Technological Education Program of the National Science Foundation and by the Advanced Technology Environmental and Energy Center (ATEEC). The purpose of the national forum was to define energy technology. The forum goal was to validate and update occupational information from a 2000 report from the Partnership for Environmental Technology Education (PETE) titled *Energy Services Careers*. The primary purpose of the report is to enhance counselor, teacher and student awareness of energy technology careers at the technician level.

The report can be downloaded at ATEEC's website: www.ateec.org

Other resources to be added:

Bert Spaeth (Siemens) mentioned a preliminary assessment that indicated a need for 600,000 workers (nationally?) and that they are working with Cornell to develop curriculum to address energy education needs.

Liz Weiner mentioned a report on green jobs for NYC.

DOE and EPA are doing a workforce assessment for New England states.

DOE and LBNL are working on a national assessment of workforce needs.

David Hepinstall mentioned a workforce summit that he attended in DC – information will be coming out in about a month from that, and he will distribute to the group.

Ruth Horton is going to send a report from the RE Task Force to the group (on workforce issues)

Tony Joseph will share NYSDOL work to date regarding the green workforce (as a starting basis).