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Renewable Industry Review

Insider's peek at green jobs, events and news you can use

Emerging Technology News from Allied Schools



Training4Green

Green Jobs are Increasing Nationwide - Leading to More Training Options

Environmentally sustainable jobs are on the rise. In fact, many individuals are returning to school and preparing for these “jobs of the future.”

A study done by The Pew Charitable Trusts found that from 1998 to 2007, the number of jobs in the clean energy sector grew nearly two and a half times faster than overall jobs. The national growth rate for the period was 9.1 percent, in contrast with traditional jobs, which rose by 3.7 percent. By 2007, the study found, more than 68,200 businesses in all 50 states and the District of Columbia

accounted for about 770,000 jobs.

Solar, wind and green building are the sectors with the most significant activity.

Universities, colleges and vocational schools across the nation are taking notice and expanding their course offerings to include green career training in these areas.

The \$787 billion stimulus package has placed increasing focus on alternative energy sources – with a projection of 5 million new jobs in the

renewable energy industry, green career training is what people are seeking.

**5 Million Jobs
Projected in the renewable energy industry**

From installing solar panels and fixing wind turbines to employing solar sales strategies or managing green projects, there are an abundance of opportunities. Certificate and degree programs are paving

the way to these new green careers. Enrolling in a program in today's emerging technologies will prepare people for today's new and innovative careers.

TRAINING4GREEN.COM - Allied Schools is an accredited educator offering 100% online courses that support the efforts to sustain and improve our planet. You will find courses that cover today's emerging technologies – from renewable energy options to green energy management programs.

International Survey Shows that Green Professionals are Satisfied with Their Careers

The newly published, Carbon Salary Survey, is one the first studies to provide detailed information about professionals working in the climate change and emissions trading markets throughout the world.

The study includes responses from 1,157 participants, who were surveyed throughout April 2009. The questions covered: renewable energy; clean technology and energy efficiency; carbon finance/brokering; carbon/ climate change law, policy or

regulation; and more.

Based on the survey results, green professionals feel that they are well-paid, have job security and are overall happy with their careers.

Here are some findings from the survey:

- Over one-third of the respondents (27%) were based in North America, with similar numbers in the UK (28%) and Europe (25%)

- More than three-quarters (77%) of respondents reported being satisfied with their jobs

- 20% consider themselves to be in a management role; 31% work for consulting companies

- Top 5 activities in North America: energy efficiency, solar, wind, power generation and biomass



SOLAR GOES GLOBAL

The green movement is not just happening in the United States – it's a global phenomenon. For example, the photovoltaic (PV) industry has created over 75,000 new jobs in Europe in the last few years and the European Photovoltaic Industry Association (EPIA) projects the PV industry could create more than 200,000 jobs in the European Union by 2020.

In 2008, global solar output increased to 5.5 GW, which is more than double the 2.4 GW of 2007. The European Photovoltaic Industry Association (EPIA) estimates that worldwide, the photovoltaic industry could reach 22GW!

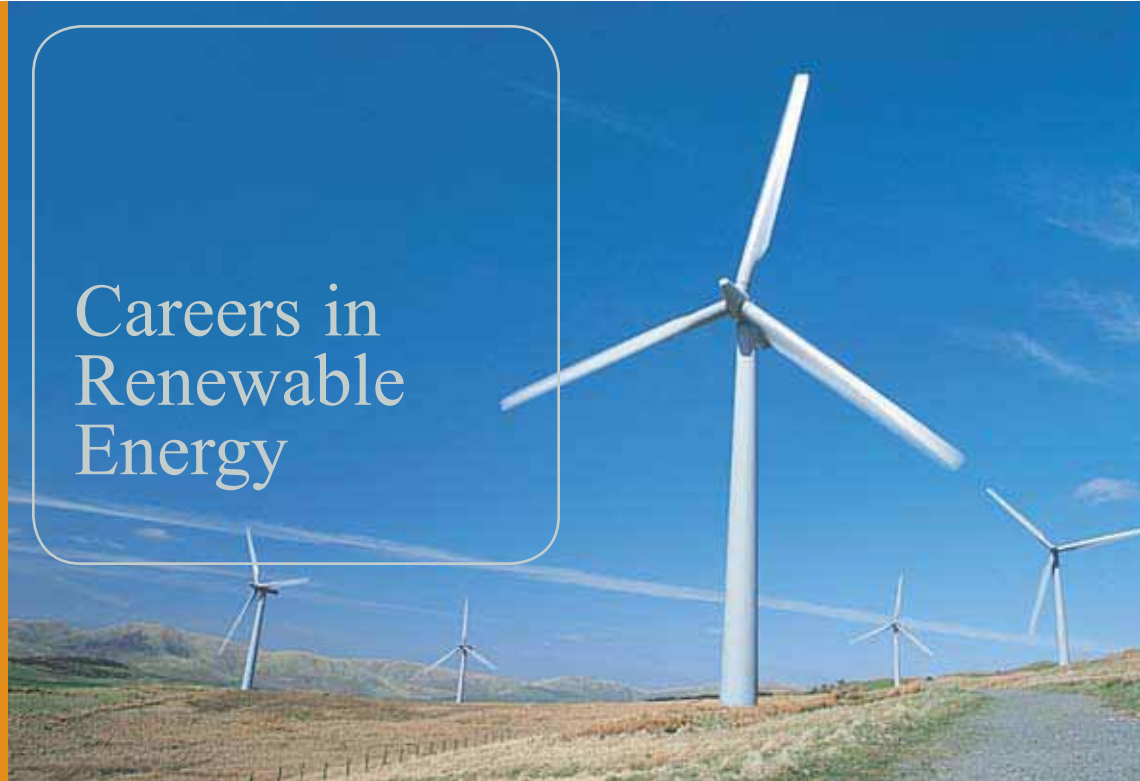
Here's a look at the Top Ten PV Markets in 2008:

1. Spain – 2,500 MW
2. Germany – 1,500 MW
3. USA - 342 MW
4. South Korea – 274 MW
5. Italy – 258 MW
6. Japan – 230 MW
7. Czech Republic – 51 MW
8. Portugal – 50 MW
9. Belgium – 48 MW
10. France – 46 MW



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Careers in Renewable Energy



GREEN ENERGY JOBS ARE GROWING NATIONWIDE: GOING GREEN WAS ONCE CONSIDERED TRENDY. NOW, IT'S A HIGHLY SOUGHT AFTER GOAL PURSUED BY SMALL BUSINESS, GOVERNMENT AND CORPORATIONS ACROSS EVERY ECONOMIC SECTOR. AND SOME STATES ARE LEADING THE GREEN PURSUIT.

South Carolina: According to the new Pew Charitable Trusts report, which discussed clean-energy job growth, South Carolina's clean-energy economy grew 36.2 percent from 1998 to 2007. During that same period, the state's overall job growth was only 2.2 percent!

California: California Governor Arnold Schwarzenegger recently announced a new statewide effort – California Green Corps. The program will train young adults from ages 16 to 24 and prepare them to work in the state's growing, green-tech industry. The program will train

students for jobs such as solar-panel installation and sheet-metal manufacturing for wind turbines – two nationwide, in-demand sectors of the green economy.

Florida: A report conducted by the Political Economy Research Institute at the University of Massachusetts at Amherst and the Center for American Progress revealed that investing in clean energy could create 123,756 jobs in Florida. The report included jobs

that could be created by making homes and buildings more energy efficient.

New York: New York Governor David Paterson unveiled plans to convert 45 percent of the state's electric-ity needs to renewable energy sources by 2015 – which could create up to 50,000 new jobs!

23 States Have Renewable Energy Goals



Green Jobs

“Poised for Explosive Growth”

1 Green Property Manager: Manage real estate that incorporates sustainability strategies to maintain or increase property value.

2 Green Contractor: Utilize environmentally friendly building practices and materials to construct buildings that run on clean energy.

3 Sustainable Materials Provider: Green materials are in huge demand. Work for a mechanical systems engineering company, solar panel manufacturing company or an insulation installer company.

4 Site Selection Consultant: Want to help solve environmental challenges and help put existing structures to good use? Consider working for an environmental consulting agency assisting with brownfield sites.

5 Eco-Broker or Real Estate Agent: Get your real estate license or broker's license. You can help clients market properties with green features and assist environmentally-conscious home buyers with finding green homes that run on cost-effective clean energy.



DOES A BACKGROUND IN RENEWABLE ENERGY BENEFIT A MILITARY CAREER? ABSOLUTELY. THE NATIONAL DEFENSE AUTHORIZATION ACT OF 2007 MANDATED THAT THE PENTAGON PRODUCE OR PROCURE 25% OF ITS ELECTRICAL CONSUMPTION FROM RENEWABLE SOURCES. HERE'S HOW DIFFERENT MILITARY BRANCHES ARE JOINING THE RENEWABLE ENERGY MOVEMENT.

- The U.S. Navy is powering its base in Guantanamo Bay, Cuba, with a 3.8 megawatt wind/diesel hybrid plant, the largest in the world (Source: Bulletin of the Atomic Scientists)
- The Naval Air Weapons Station at China Lake, California, uses a geothermal energy plant (built in the 1970s) and is a net contributor to the local commercial electric grid (Source: Bulletin of the Atomic Scientists)
- A project being tested at the Diego Garcia Naval Base in the Indian Ocean will generate electricity from temperature differences between the ocean's surface and deep water (Source: Bulletin of the Atomic Scientists)
- The Defense Advanced Research Projects Agency is investigating how to use waste materials (such as paper, plastics, cardboard, ammunition papers, food-slop, etc.) as fuel (Source: Bulletin of the Atomic Scientists)
- The Army is developing hydrogen fuel cells and renewable energy hybrid-electric generators for use at forward operating bases and remote locations (Source: Bulletin of the Atomic Scientists)
- A report in U.S. News and World Report notes that Nellis Air Force Base in Nevada currently has 70,000 photovoltaic panels working on 140 acres of land. The solar installation has reportedly allowed the base to realize \$83,000 a month in solar energy savings with “trackers,” panels that follow the sun's movement
- In December of 2008, the secretary of the Air Force, Michael B. Donley, signed the Air Force Energy Program Guidance Memorandum, which is the first time that the U.S. military created a comprehensive energy strategy that focuses on increasing the use of renewable energy (renewable energy world.com)
- By early 2011, all air force aircraft are scheduled to be tested and certified to fly on synfuels, and by 2016 the air force hopes to fuel half of its cross-continental flights with domestic synfuel blends (Source: Bulletin of the Atomic Scientists)

3.2 Billion Available for Green Projects - U.S. Cities Take Action

The Energy Efficiency and Conservation Block Grant Program is an entitlement account available to 1,000 cities and counties across the United States to implement green programs.

There is approximately \$3.2 billion in grants available and cities are rushing to submit their plans in order to receive their cut. However, challenges follow this good news – nationwide, there's a lack of sustainability professionals who have acquired the training necessary for establishing energy efficient programs. Plus, once cities receive grant money from this program, they must show proof of reduced

energy output within 18 months.

With increased demand for educated green professionals and a deadline looming to improve energy efficiency, now's a great time to take advantage of this career opportunity. Why not join the growing green economy and workforce? Become a green collar worker!

Choose an accredited online school that allows you to maintain personal obligations and progress at your own pace. With the specialized knowledge you gain, you can help cities properly utilize their green-focused grant money.



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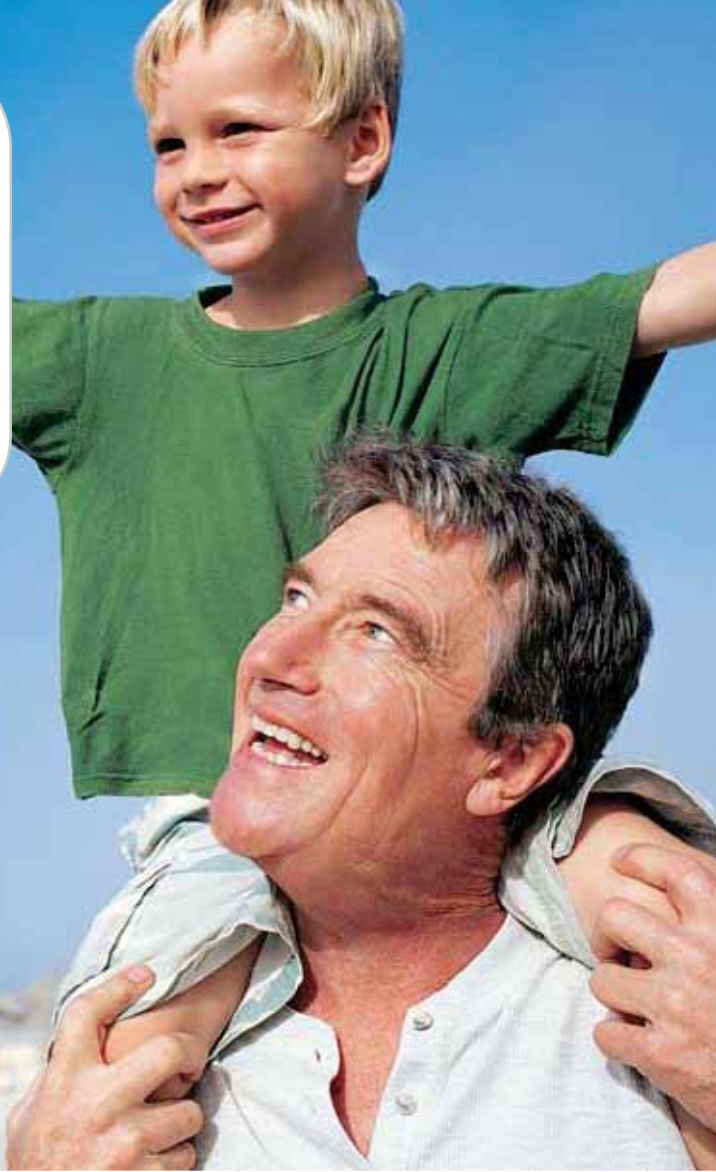
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- The Business of Solar Course
- Introduction to Photovoltaic Systems



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