

# WIND POWER JOB MARKET REPORT



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## Facts and Figures

- Wind technologies offer more jobs per unit of energy produced than other forms of energy.

<http://www.eia.doe.gov>

- Wind energy was recently singled out by the UN Intergovernmental Panel on Climate Change (IPCC) as a technology of choice to bring fresh power online.

<http://europa.eu.int/comm/research/press/2001/pr2007en.html>

- The development of new technology is being fueled by exploding world wind energy markets that already top \$1.5 billion a year. The American Wind Energy Association predicts that this figure will grow as much as tenfold over the next decade, with the advent of a whole new generation of turbines.

[http://www.gracepublicfund.org/Sustainable\\_Energy.pdf](http://www.gracepublicfund.org/Sustainable_Energy.pdf)

- Across the board, it is estimated that the markets for clean energy technologies will grow to over \$82 billion by 2010, more than a ten-fold increase in less than a decade. Some technologies, such as **wind**, solar photovoltaics and fuel cells, will continue to experience double-digit annual growth.

<http://www.cleandedge.com/>

- Wind energy resources bring needed jobs to rural communities and bolster farm incomes against bad weather. Worldwide, wind and solar industries are likely to be one of the main sources of new manufacturing jobs in the 21st century.

[http://www.awea.org/legislative/wind\\_energy\\_facts.html](http://www.awea.org/legislative/wind_energy_facts.html)

- The amount of electricity generated from wind has been growing fast in recent years. In 2006, electricity generated from wind was 2 1/2 times more than wind generation in 2002.

<http://www.eia.doe.gov/kids/energyfacts/sources/renewable/wind.html>

- According to a study by the World Wildlife Fund (WWF), the adoption of clean, energy efficient technologies could stimulate the creation of 900,000 jobs in the US over a twelve-year period.

<http://www.tompaine.com/opinion/2001/09/18/index.html>

- A new study reports that wind could create 1.7 million jobs worldwide by the year 2020.

<http://www.awea.org/news/news991005st.html>

- Since 1998, wind power has been the fastest-growing new source of electricity in the world, expanding an average of 30 percent a year.

<http://www.time.com/time/global/July/cover.html>

- The world's largest wind farm, the Horse Hollow Wind Energy Center in Texas, has 421 wind turbines that generate enough electricity to power 220,000 homes per year.

<http://www.eia.doe.gov/kids/energyfacts/sources/renewable/wind.html>

- For every megawatt (MW) of wind energy produced, \$1 million in economic development is generated. This includes revenue from planning, construction, etc.

[http://www.awea.org/legislative/wind\\_energy\\_facts.html](http://www.awea.org/legislative/wind_energy_facts.html)

- Wind industry jobs jumped to 85,000 in 2008, a 70% increase from the previous year.

<http://greenwombat.blogs.fortune.cnn.com/2009/01/28/wind-jobs-outstrip-the-coal-industry/>

- According to the U. S. Mayors Green Jobs Report in October of 2008, there are expected to be 4.2 million green jobs created by 2038.

<http://www.windturbinesnow.com/wind-turbine-jobs.htm>

- An extensive Department of Energy study in 2007 said that building wind-based electrical generation capacity in the corridor could provide up to 20 percent of the U.S. power needs and create a potential for 138,000 new jobs in the first year with up to 3.4 million jobs over a 10-year span as the industry matures.

<http://money.cnn.com/news/newsfeeds/articles/marketwire/0476344.htm>

- North American wind power is expected to see a more than fourfold increase in wind power plants in operation by 2010. The US is expected to grow from just over 6,700 MW to over 28,000 MW by 2010.

<http://www.renewableenergyworld.com/rea/news/article/2006/01/wind-power-2005-in-review-outlook-for-2006-and-beyond-41304>

- GE Wind, Siemens, Caterpillar, and Shell Oil all involved in the wind industry. They've recognized that it's not just an environmental fringe-type thing. It makes sense and it's real.

[http://sciencecareers.sciencemag.org/career\\_magazine/previous\\_issues/articles/2006\\_07\\_14/noDOI.4076580131319686039](http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2006_07_14/noDOI.4076580131319686039)

- Minister says "Vast job opportunities" in Green Energy Act

<http://www.ottawacitizen.com/Technology/Vast+opportunities+Green+Energy+Minister+says/1320476/story.html>

- In the U.S., the massive growth has meant creation of 35,000 new jobs in the wind energy market, bringing the total number of jobs to 85,000 in 2008.

<http://www.missoulian.com/articles/2009/02/22/news/top/news01.txt>

## Types of Jobs and Typical Salaries



[Wind trends](#)

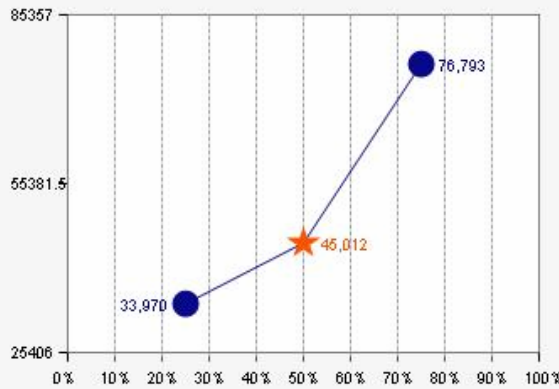
[Wind jobs](#)

## Sample Job Types

- [Wind Technician I](#)
- [Project Manager-wind](#)
- [Wind Power Project Engineer](#)
- [Wind Farm Estimator](#)
- [Wind Resource Analyst](#)
- [Renewable Energy Communications Leader - Wind](#)
- [Site Manager Wind Farms](#)
- [Wind Turbine Sales Manager](#)

## Wind Generating Installer

**\$45,012 = US National Average Salary**



All Reported Salaries are Based in U.S. Dollars. Powered by SalaryExpert.com

Find out the average salary in your area:

City:  State:

[Search Again](#)

Is your salary below average?  
Find out how to Earn a Higher Salary in our Education Center

[Register for Updates »](#)

### Salary Tools

- Salary Calculator
- Cost of Living Calculator
- Salary Comparison

### Career Tools

- Find a Job
- Online Degree Center
- Distribute Your Resume

### Salary & Career Advice

- Mishandling Salary Negotiations
- 6 Steps to a Higher Paying Salary
- 10 Tips to Getting the Best Salary

## Wind Technician Salaries

What	Where
<input type="text" value="Wind Technician"/> <small>Job Title, Keywords</small>	<input type="text"/> <small>City, State or Zip</small>
<a href="#">Add Comparison</a>	<input type="checkbox"/> Search Job Titles Only <input type="button" value="View Salary"/>

### Average Salary of Jobs Matching Your Search

<b>Wind Technician</b>	<b>\$43,000</b>			
<small>In USD as of Mar 1, 2009</small>		<small>25k</small>	<small>50k</small>	<small>75k</small>

# Wind Turbine Salaries

<b>What</b>	<b>Where</b>
<input type="text" value="Wind Turbine"/> <small>Job Title, Keywords</small>	<input type="text"/> <small>City, State or Zip</small>
<a href="#">Add Comparison</a>	<input type="checkbox"/> Search Job Titles Only <input type="button" value="View Salary"/>

## Average Salary of Jobs Matching Your Search



# Wind farm project manager Salaries

<b>What</b>	<b>Where</b>
<input type="text" value="Wind farm project manager"/> <small>Job Title, Keywords</small>	<input type="text"/> <small>City, State or Zip</small>
<a href="#">Add Comparison</a>	<input type="checkbox"/> Search Job Titles Only <input type="button" value="View Salary"/>

## Average Salary of Jobs Matching Your Search





## Training Schools and Programs

### *California*

#### [Wind Energy Course for Technicians](#)

California

Offered by the California Wind Energy Collaborative (University of California and California Energy Commission).

### *Colorado*

Colorado State University

Fort Collins, Colorado

Contact: [Michael Kostrzewa, Assistant Director, Industrial Assessment Center, Dept. of Mechanical Engineering](#)

Phone: (970) 491-7709

Has a [Wind Application Center](#).

#### [Solar Energy International](#)

Carbondale, Colorado

Offers hands-on workshops on renewable energy applications, including wind energy applications.

#### [Wind Energy Applications Training Symposium](#)

Boulder, Colorado

Offered by the National Renewable Energy Laboratory.

### *Delaware*

University of Delaware

Newark, Delaware

Graduate College of Marine Studies, [Graduate Seminar on Offshore Wind Power](#).

### ***Idaho***

[Boise State University](#)

Boise, Idaho

Contact: [Todd Haynes, Mechanical Engineer, Energy Research, Policy and Campus Sustainability](#)

Phone: (208) 426-4053

### ***Iowa***

[Iowa Lakes Community College](#)

Iowa

Has 1-year and 2-year programs to train turbine technicians.

[Sustainable Energy Education and Training Project](#)

Bettencourt, Iowa

Provides training for high school and community college instructors. Offered by the Advanced Technology Environmental Education Center.

[University of Iowa](#)

Iowa City, Iowa

Offers a Wind Power Management Program through the College of Engineering.

### ***Kansas***

[Kansas State University](#)

Manhattan, Kansas

Contact: [Ruth Douglas Miller, Associate Professor, Dept. of Electrical and Computer Engineering](#)

Phone: (785) 532-4596

### ***Maryland***

[Frostburg State University](#)

Frostburg, Maryland

Frostburg State University is offering an education program on design, installation, and maintenance of residential electric generation systems using photovoltaic (PV) solar modules and/or small wind turbines.

### ***Massachusetts***

[Mount Wachusett Community College](#)

Gardner, Massachusetts

A 2-year college that offers a course in renewable energy sources.

[University of Massachusetts](#)

Amherst, Massachusetts

Has a Renewable Energy Research Laboratory.

### ***Minnesota***

Minnesota West Community and Technical College

Canby , Minnesota

The school has academic programs for [Wind Energy Technology](#), [Wind Energy Mechanics](#), and [Certificates for Windsmiths](#).

### ***Montana***

Montana State University

Bozeman, Montana

Contact: [Mike Costanti](#)

Has a [Wind Application Center](#).

### ***Nebraska***

University of Nebraska

Lincoln, Nebraska

Contact: [Dan McGuire](#)

Has a [Wind Application Center](#).

### ***New Mexico***

[Mesalands Community College](#)

Tucumcari, New Mexico

Has a North American Wind Research and Training Center.

Southwestern Indian Polytechnic Institute

Albuquerque, New Mexico

Provides training courses in renewable energy.

### ***New York***

[New Vision Renewable Energy Program](#)

Williamson, New York

Offered by the Wayne Technical and Career Center.

### ***North Carolina***

[Appalachian State University](#)

Boone, North Carolina

Provides a wide variety of training courses in wind energy.

### ***Oklahoma***

[Oklahoma City Community College](#)

Oklahoma City, Oklahoma

Offers a Wind Turbine Technician program.

[Oklahoma State University: Oklahoma City](#)

Oklahoma City, Oklahoma

Offers a wind turbine technology course. The course is part of a wind technology technicians program that the school is establishing.

### ***Oregon***

[Columbia Gorge Community College](#)

The Dalles, Oregon

Offers a Renewable Energy Technology Program.

Lane Community College

Eugene, Oregon

Renewable Energy Technician Program ([PDF 50 KB](#))

### ***Pennsylvania***

[St. Francis University](#)

Loretto, Pennsylvania

Has a Renewable Energy Center.

### ***South Dakota***

[South Dakota State University](#)

Brookings, South Dakota

Contact: [Michael Twedt, Director, Wind Application Center, Mechanical Engineering Dept.](#)

Phone: (605) 688-4303

***Texas***

[Texas State Technical College, West Texas](#)

Sweetwater, Texas

Offers a Wind Energy Technology Associates Degree Program.

[Texas Tech University](#)

Lubbock, Texas

Has a Wind Science and Engineering Research Center.

[University of Texas at Austin, School of Law](#)

Austin, Texas

Offers a course in Wind Law.

***Virginia***

[James Madison University](#)

Harrisonburg, Virginia

Has a Virginia Wind Energy Collaborative.

***Wisconsin***

[Fond du Lac Tribal and Community College](#)

Fond du Lac, Wisconsin

Offers a Clean Energy Technician Program.

[Lakeshore Technical College](#)

Cleveland, Wisconsin

Offers a Wind System Technician Program.

***Wyoming***

[Laramie Community College](#)

Laramie, Wyoming

Offers a Wind Energy Technician Program.

***More Information***

[Consortium for Education in Renewable Energy Technology](#)

Includes nine institutions, mostly technical colleges and community colleges, that provide renewable energy training courses.

## Major Employers in Wind Power

GE (General Electric) Power Systems- <http://www.gepower.com/home/index.htm>

The Wind Turbine Company - <http://www.windturbinecompany.com/>

Aerovironment - <http://www.aerovironment.com/>

Otter Tail Corporation - <http://www.ottertail.com/>

First Wind – <http://www.firstwind.com>

CLS Group - <http://www.clsgroup.com/>

Renewable Energy Systems - <http://www.res-americas.com/>

Alstom - <http://www.alstom.com/home/>

BP - <http://www.bp.com>

Record Hill Wind - <http://recordhillwind.com/>

Acciona Energy - [www.acciona-energia.com/](http://www.acciona-energia.com/)

Ingeteam - <http://www.ingeteam.com/>

General Physics Corporation - <http://www.gpworldwide.com/>

Absolute Consulting - <http://www.absoluteconsulting.com/>

Global Energy Concepts - <http://www.globalenergyconcepts.com/>

Clipper Wind Power - <http://www.clipperwind.com/>

National Renewable Energy Laboratory - <http://www.nrel.gov/>

Yoh Engineering - <http://www.yohengineering.com/>

Florida Power & Light - <http://www.fpl.com/>

Black and Veatch - <http://www.bv.com/>

Siemens - <http://www.usa.siemens.com/en/>

Parsons - <http://www.parsons.com/>

BAE Systems - <http://www.baesystems.com/>

Magnetek - <http://www.magnetek.com/>

Vestas American Wind Technologies - <http://www.vestas.com/>

Interstate Companies, Inc - <http://www.istate.com/>

Pacific Northwest National Laboratory - <http://www.pnl.gov/>

Amerisafe - <http://www.amerisafe.net/>

Iberdola Renewables - <http://www.iberdolarenewables.us/>

Horizon Wind - <http://www.horizonwind.com/home/>

Bonneville Power Administration - <http://www.bpa.gov/corporate/>

International Power - <http://www.ipplc.com/>

Bergey Power - <http://www.bergey.com/>

Northwest Power Company, LLC - <http://www.nwpwr.com/>

Southwest Windpower - [http://www.windenergy.com/index\\_wind.htm](http://www.windenergy.com/index_wind.htm)

Suzlon Energy, Limited - <http://www.suzlon.com/>

Navitas Energy - <http://www.windpower.com/>

Bay Winds – <http://www.baywinds.com/>

Windland - <http://www.windland.com/>

UEK Company - <http://www.uekus.com/>

Ginlong Technologies - <http://www.ginlong.com/>

Danvest Energy - <http://www.danvest.com/>

Wintec Energy - <http://www.wintecenergy.com/>

Travere Industries - <http://www.travere-industries.com/>

Stateline Wind - <http://www.statelinewind.com/>

Maywind - <http://www.maywind.com/>

### **Staffing Firms**

Entech Resources - <http://www.entechresources.com/>

MRI network - <http://www.mrinetwork.com/>

THINK Energy Group - <http://www.thinkenergygroup.com/>

Belcan - <http://www.belcan.com/>

Datamatics Consultants Inc - <http://www.datamatics.us/>

Smartlink LLC - <http://www.smartlinkllc.com/>

Tristaff Group - <http://www.tristaff.com/>

Linium - <http://www.linium.com/>

New World Staffing - <http://www.newworldstaffing.org/green-jobs.htm>

HDR Inc <http://www.hdrinc.com/>

Kelly Scientific - <http://www.kellyscientific.com/web/global/ksr/en/pages/>

Cybercoders - <http://cybercoders.com/>

Energy Placement - <http://www.energyplacement.com/>

Aerotek - <http://www.aerotek.com/>

Redfish - <http://redfishtech.com/>

Renewable Recruits - <http://renewablerecruits.com/>

Purifi Recruiters - <http://purifi.com/>

## Find More Wind Power Employers

Yahoo Directory -

[http://dir.yahoo.com/Business\\_and\\_Economy/Business\\_to\\_Business/Energy/Renewable/Wind\\_Power/?b=0](http://dir.yahoo.com/Business_and_Economy/Business_to_Business/Energy/Renewable/Wind_Power/?b=0)

Indeed.com - <http://www.indeed.com/jobs?q=wind+power&start=90>

Simplyhired- <http://www.simplyhired.com/a/jobs/list/q-wind%20power>

Business 2 Business -

[http://www.b2byellowpages.com/directory/b2b\\_energy\\_and\\_b2b\\_utilities/windpower.shtml](http://www.b2byellowpages.com/directory/b2b_energy_and_b2b_utilities/windpower.shtml)

Jigsaw -

<http://www.jigsaw.com/FreeTextSearch.xhtml?opCode=search&autoSuggested=true&freeText=wind+power&go.x=0&go.y=0>

American Wind Energy Association -

<http://www.awea.org/smallwind/smsyslst.html>

Wind Energy Business Listings -

<http://energy.sourceguides.com/businesses/byP/wRP/wRP.shtml>

Renewable Energy Business Directory -

<http://www.dmoz.org/Business/Energy/Renewable/>

Google Directory – Wind

<http://www.google.com/Top/Business/Energy/Renewable/Wind/>