



JOBS IN ENERGY EFFICIENCY

- Systems Technicians
- Drafters, Designers and Architects
- Carpenters, Electricians & Plumbers
- Roofers
- Construction Laborers
- HVAC Operation and Maintenance Technicians

JOBS IN RENEWABLE ENERGY

- Power Plant Operators
- Drafters & Mechanical Engineers
- Power Dispatchers
- Site Surveyors/Assessors
- Engineering Technicians
- Wellhead Pumpers
- Power Line Installers/Repairers

JOBS IN CLEAN MANUFACTURING

- Mechanical Engineers & Technicians
- Industrial Engineers
- Environmental Protection Technicians
- Soil & Water Conservationists
- Agricultural Inspectors & Scientists
- Farm & Ranch Manager
- Machine Setters

JOBS IN RESEARCH, DEVELOPMENT & ADMINISTRATION

- Environmental Scientists
- Environmental Compliance Inspectors
- Cost Estimators
- Hazardous Materials Removal Workers
- Conservation Scientists & Technicians
- Urban & Regional Planners
- Site Surveyors/Assessors

Source: New Mexico Green Jobs Guidebook, O*Net's "Greening of the World of Work."

"National estimates indicate that each \$1 million invested in clean energy and energy efficiency will create 16.7 jobs compared with 5.3 created through spending on oil, gas, and coal.

The American Solar Energy Society estimates that the renewable energy and energy efficiency industries could create 37 million new jobs in the United States by 2030. **New Mexico's Share of that would be 236,800 jobs."**

- New Mexico Green Jobs Guidebook

Information Obtained From:

"Greening of the World of Work: Implications for O*NET-SOC and New And Emerging Occupations," The National Center for O*NET Development

"New Mexico Green Jobs Guidebook," New Mexico Governor Richardson's Green Job Cabinet

Dreaming New Mexico, www.dreamingnewmexico.org

Green for All, www.greenforall.org

NM Department of Workforce Solutions Economic Research & Analysis Bureau

New Mexico Department of Workforce Solutions
Bureau of Economic Research & Analysis
PO Box 1928
Albuquerque, NM 87103



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Job Growth Potential In New Mexico's Green Economy



What Is A Green Job?

“The green economy encompasses the economic activity related to reducing the use of fossil fuels, decreasing pollution and greenhouse gas emissions, increasing the efficiency of energy usage, recycling materials, and developing and adopting renewable sources of energy.”

- *Greening of the World of work*

The “Greening” of Occupations

Green Increased Demand Occupations

Demand increases for a specific occupation, but work tasks or requirements do not change.

Green Enhanced Skills Occupations

Demand may or may not increase for a specific occupation, but tasks, skills, knowledge, and external elements, such as credentials, have been altered.

Green New and Emerging (N&E) Occupations

Demand is created for unique work, tasks, or requirements, which results in a new occupation.

Green Job Core Areas

Renewable Energy

Producing energy using renewable resources and/or providing services that support production, storage, and transmission of renewable energy

Clean Manufacturing

Manufacturing products that support green activities and/or reducing production waste and environmental impact

Energy Efficiency

Providing services that effectively reduce the demand for or use of energy services

Research, Development & Administration

Providing services that contribute to the development, support, awareness, or overall success of improved, cost-efficient technologies and practices for green business

New Mexico's Green Job Potential

There's already a huge green economy developing. In 2006 renewable energy and energy efficiency technologies generated 8.5 million new jobs, nearly \$970 billion in revenue, and more than \$100 billion in industry profits.

- *Greenforall.org*

- New Mexico is the 2nd-best solar resource in the nation
- New Mexico's wind resource ranks 12th in the nation
- New Mexico ranks 7th in the nation for geothermal resources and several power plants have been proposed

Over the past ten years, New Mexico's clean energy sector grew by 118 percent, energy efficiency by 184 percent, environmentally friendly production by 99 percent, and conservation and pollution mitigation by 35 percent.

- *New Mexico Green Jobs Guidebook*

Green Business Activities in New Mexico

- Renewable energy development, including solar, wind, geothermal, and biomass power
- Clean technology manufacturing
- Commercialization of new clean technologies, especially “green grid” technologies
- Biofuels
- Energy efficiency and green building
- Environmental protection, cleanup and restoration
- Recycling and reuse
- Ecotourism (e.g., Eco Lodges and Eco Ranches)
- Organic and sustainable agriculture
- Low-carbon transportation

Green Education

According to the National Renewable Energy Lab, the major barriers to a more rapid adoption of renewable energy and energy efficiency in America are insufficient skills and training.

Post-Secondary Institutions with Green-Related Training/Educational Programs

- Central New Mexico Community College
- Eastern New Mexico University
- Luna Community College
- Mesalands Community College
- Navajo Technical College
- New Mexico Institute of Mining & Technology
- New Mexico Junior college
- New Mexico State University - *Main, Carlsbad & Dona ana Branch Campuses*
- Northern New Mexico College
- San Juan College
- Santa Fe Community College
- Southwestern Indian Polytechnic Institute
- University of New Mexico - *Main, Gallup, Los Alamos, Taos, Valencia, and Continuing Education campuses*
- Western New Mexico University

Types of Programs

- Engineering-Related Programs
- Architectural-Related Programs
- Agricultural & Natural Science Programs
- Environmental-Related Programs
- Construction & Electrical Training Programs
- LEED Certification
- Renewable Energy Certifications and Programs
- Environmental Safety and Health Programs