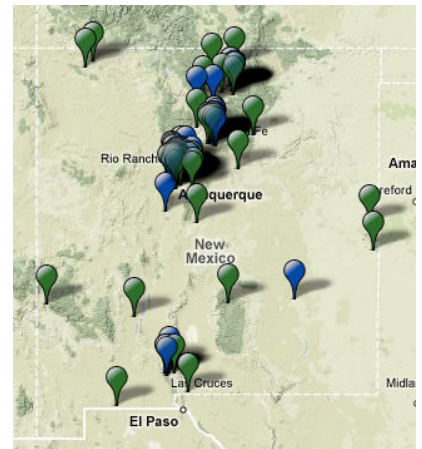


## CLEAN ENERGY JOBS IN NEW MEXICO

Clean energy already provides many thousands of New Mexico workers with good jobs during hard times. This fact sheet collects several sources of information showing how accelerating the clean-energy transition will benefit New Mexico's economy – and, conversely, the costs and consequences of failing to act.



**Less Carbon, More Jobs:** This map locates some of the hundreds of clean energy businesses in New Mexico.

### CLEAN ENERGY JOBS

#### Less Carbon, More Jobs:

This map<sup>1</sup> tells the story of existing companies across New Mexico that will get new customers and create jobs with a cap on carbon.<sup>2</sup>

#### The Clean Energy Economy:

The clean energy industry in New Mexico is booming (job growth of 50.1%), much faster than the rest of the economy. By 2007, 577 businesses had generated more than 4,800 New Mexico jobs in the clean energy economy, according to the Pew Charitable Trusts. Venture capitalists are investing \$148 million in New Mexico's clean energy businesses.<sup>3</sup>

	Clean Businesses (2007)	Clean Jobs (2007)	Clean Job Growth (1998-2007)	Overall Job Growth (1998-2007)	Venture Capital (2006-2008)
New Mexico	577	4,815	50.1%	1.9%	\$147,913,000

#### The Future of the Clean Energy Economy:

University of Massachusetts researchers conclude that the American Clean Energy and Security Act, coupled with the clean energy provisions passed in the ARRA stimulus package that Congress passed in February 2009, will drive \$150 billion of investment in clean energy nationwide. This investment will create more than 11,400 jobs for New Mexico's workers.<sup>4</sup>

### OPPORTUNITIES FOR INDUSTRY AND BUSINESS

The Department of Energy has identified significant, untapped opportunities for key industries in New Mexico to prosper under a clean energy economy. There are at least 217 ways for small- and medium-sized industrial plants in New Mexico to earn savings from efficiency, with an average payback of only 2.0 years. Only 31% of these opportunities have been implemented.<sup>5</sup> Additional information on New Mexico clean energy jobs is available from the National Wildlife Federation.<sup>6</sup>

### COSTS OF INACTION

According to a June 2009 report released by the National Oceanic and Atmospheric Administration, inaction on global warming will cause significant harm to the Southwest. Global warming will cause higher temperatures, more drought, and more wildfires. Water supplies will become increasingly scarce.<sup>7</sup>

These effects will have significant economic impacts for New Mexico.

- Conservative estimates project that by 2020, New Mexico will spend [\\$3.2 billion annually](#) as a result of climate change.
- Wildfires, which will become more frequent and intense, will consume [\\$488 million](#) annually.
- Coal-fired emissions and heat waves will increase the incidence of respiratory and heat-related illnesses. By 2020, climate-related health issues will absorb [\\$421 million](#) in annual expenses.<sup>8</sup>
- New Mexico farmers – who annually produce [\\$1.6 billion for the state](#) – will lose ground to droughts and agricultural pests. The EPA estimates that if temperatures rise beyond the tolerance levels of farmers' crops, New Mexico's farmed acres will [fall by as much as 25%](#).<sup>9</sup>

And the [National Wildlife Federation](#) shows how global warming will threaten the [22,697 jobs](#) provided New Mexico's \$800 million [hunting, angling, and wildlife-watching industries](#).<sup>10</sup>

## **START THE CLEAN ENERGY ECONOMY NOW**

A nationwide cap on greenhouse gas emissions would jumpstart a new energy economy in New Mexico and accelerate the growth of good-paying, clean jobs. If we fail to act soon, the new markets for clean energy will grow overseas instead.

**New Mexico can't afford to miss out on one of the largest new economic revolutions.**

[www.edf.org/CleanEnergyJobs](http://www.edf.org/CleanEnergyJobs)

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<sup>1</sup> Less Carbon, More Jobs: Mapping the Green Economy: New Mexico. Environmental Defense Fund. <http://www.edf.org/page.cfm?tagID=34065&state=mi>

<sup>2</sup> Less Carbon, More Jobs: Why a Cap on Carbon? Environmental Defense Fund. <http://www.edf.org/page.cfm?tagID=36571>

<sup>3</sup> Susan Urahn, Joshua Reichert, et. al.: The Clean Energy Economy: Executive Summary. June 2009. The Pew Charitable Trusts. p. 8. [http://www.pewcenteronthestates.org/uploadedFiles/Clean\\_Economy\\_Report\\_Web.pdf](http://www.pewcenteronthestates.org/uploadedFiles/Clean_Economy_Report_Web.pdf)

<sup>4</sup> Robert Pollin, James Heintz, and Heidi Garrett-Peltier: The Economic Benefits of Investing in Clean Energy. Department of Economics and Political Economy Research Institute (PERI), University of Massachusetts, Amherst. June 2009.

<sup>5</sup> Industrial Technologies Program - Industrial Assessment Centers Database. Rutgers, The State University of New Jersey. <http://www.iac.rutgers.edu/database/state.php>

<sup>6</sup> National Wildlife Federation: "Charting a New Path for New Mexico's Electricity Generation and Use." <http://www.nwf.org/globalwarming/statefactsheets.cfm>

<sup>7</sup> Unified Synthesis Product: Global Climate Change Impacts in the United States. Report by the US Climate Change Science Program. <http://www.climate-science.gov/Library/sap/usp/default.php>

<sup>8</sup> University of Oregon's Climate Leadership Initiative's Program on Climate Economics: "An Overview of Potential Economic Costs to New Mexico of a Business-As-Usual Approach to Climate Change". January 2009. [http://uonews.uoregon.edu/files/pmr/uploads/NM-Fnl\\_Rpt.pdf](http://uonews.uoregon.edu/files/pmr/uploads/NM-Fnl_Rpt.pdf)

<sup>9</sup> "Climate Change and New Mexico." Environmental Protection Agency. September 1998. <http://yosemite.epa.gov>.

<sup>10</sup> National Wildlife Federation: Global Warming and New Mexico. 2009. <http://www.nwf.org/globalwarming/pdfs/NewMexico.pdf>