



THE
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The Clean Energy Economy Minnesota

Minnesota has a large and growing piece of America's clean energy economy. Growth of jobs in the clean energy economic sector significantly outpaced that of total jobs between 1998 and 2007. Much of this growth has been in the categories of Clean Energy and Environmentally Friendly Production. The state attracted nearly \$50 million in clean technology venture capital in the past three years, of which more than a third has been invested in the Energy Efficiency category. Minnesota ranks fourth among states in wind energy production, driven in part by a renewable portfolio standard that requires the largest energy provider in the state to generate 25 percent of its energy from wind power by 2020.¹

BY THE NUMBERS, THE CLEAN ENERGY ECONOMY:

Jobs (2007): **19,994**

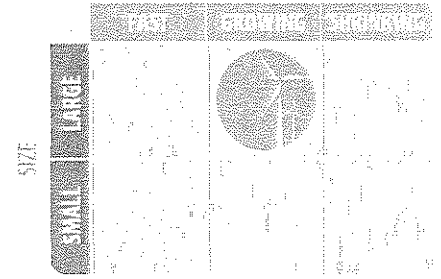
Businesses (2007): **1,206**

Venture Capital Funds (2006-2008)*: **\$49,937,944**

Patents (1999-2008): **218**

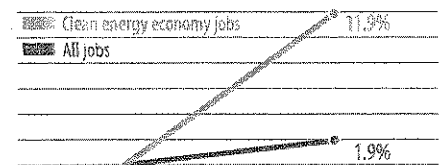
STATUS OF CLEAN ENERGY ECONOMY

AVERAGE ANNUAL RATE OF GROWTH



Average yearly rate of growth between 1998 and 2007

10-YEAR GROWTH



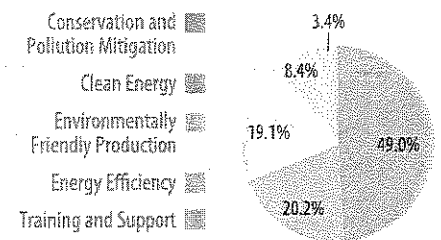
Relative rate of growth between 1998 and 2007

EXAMPLES OF COMPANIES:**

Lumificient Technologies, Osseo (Energy Efficiency): uses LED technology to design commercial lighting and displays

WindLogics Inc., Saint Paul (Training and Support): provides feasibility and financial consulting services for wind farm development

JOB CATEGORIES***



Share of jobs in the clean energy economy by category

MORE ABOUT THESE FACTSHEETS

Download the full report by visiting www.pewtrusts.org/cleanenergyeconomy

NOTES: *Values reported in 2008 dollars. **Information current as of May 8, 2009. This report is intended for educational and informational purposes. References to specific products, services, companies and policy makers have been included solely to advance these purposes and do not constitute an endorsement, sponsorship or recommendation by The Pew Charitable Trusts. ***These numbers may not add up to 100 percent due to rounding. ****Financial incentives include residential, commercial and industrial loan financing, rebate programs and tax incentives.

SOURCES: Jobs and establishment data from The Pew Charitable Trusts, 2009; based on the National Establishment Time Series Database; analysis by Pew Center on the States and Collaborative Economics. (1) Database of State Incentives for Renewables & Efficiency, "Minnesota Incentives for Renewable Energy," last updated December 11, 2008, http://www.dsireusa.org/library/includes/incentive2.cfm?incentive_Code=MN14R&state=MN&CurrentPageID=1&RE=1&EE=1; http://www.nationalwind.com/minnesota_wind_facts (accessed May 13, 2009).

CLEAN ENERGY POLICIES

- Financial Incentives****
- Renewable Portfolio Standards
- Energy Efficiency Resource Standards
- Regional Cap and Trade Program