

Advancing Wind Power in Illinois Conference 2011

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Wind Energy Educational Programs Breakout Seminar

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vering America	Education A Key Part of Unlocking Wind Energy Future
	Date: 10/12/2010 Source: Stacia Cudd, National Association of Farm Broadcasting News Service.
ering America	Audio with Dave Loomis, Illinois State University Professor of Economics and Center for Renewable Energy Director (<u>MP3 3.4 MB</u>) Download Windows Media Plaver, Time: 00:03:40
Areas	Download windows recar here reary time, 00:00-00 Illinois has more than 1800 megawatts of installed wind power capacity today. That ranks sixth in the U.S. The state's nearly seven- thousand megawatts of operative ranks 16th in the country.
al Community	Illinois State University Professor of Economics Dave Loomis wants to see the state reach that potential. He says it would mean big
nericans	economic development benefits for the state — not just on the development side itself — but in the supply chain. Loomis notes the Illinois Wind Working Group — a collaboration of entities interested in seeing wind energy advance in the state — has conducted a research report
ds	on the economic impact of the supply chain and found wind energy development would create jobs for Illinois manufacturers.
ver	"We took the wind turbine capacity that's predicted to be installed in Illinois over a five year period from 2011 to 2015 and we said, 'what
nd	if all the parts were to be made here in Illinois?' If they made all of the parts for all the turbines that would be produced in Illinois, we found that there would be between 15.8 and 16.8-thousand iobs created, and those would be additional jobs on top of the other things
Development	touting that there would be between 15.8 and 16.8-knows in jobs created, and those would be additional jobs on top or the other timps that they'd be manufacturing. So almost 17,000 jobs potential and that would produce over a billion dollars in income and almost four-billion dollars in total output.
	As a result, Loomis says it's clear wind energy is a win for both rural and urban areas. And by creating power in a greener and more sustainable way, he says it provides a better and cleaner environment for everyone to live in. That's why he says it's important to educate all stakeholders and the next generation. The Illinois Wind Working Group and the Renewable Energy Center at Illinois State University are
ves	doing just that. In five years the working group has done more than research; they've held four annual conferences that cover all aspects of wind energy, a specialized conference focused on the citing, zoning and taxation issues associated with wind farms, and landowner
tories	forums. After all, landowners are a key part of moving wind energy development forward.
s & Tools	"These would oftentimes happen when a wind developer would come to a new area and start talking with landowners about leasing their
eter Loans king Groups	land and then they would have lots of questions. So we'll come into an area and we have somebody from the ag extension offices, I would oftentimes speak and kind of give an overview of wind energy and then we'd have a lawyer that would talk about the legal aspects of a lease and how to protect their rights."
s & Resource	The Renewable Energy Center Loomis helped start at Illinois State has three major goals. Loomis says one is supplying a workforce for the wind industry. That's made possible by the development of a renewable energy major at the college.
ins	"We have a renewable energy undergraduate major that's interdisciplinary between the departments of economics, agriculture and technology. So we're really working to supply that skilled workforce that not just wind but all renewables are going to need as we move forward down this path. And so, we found a real need for undergraduate students that have a more interdisciplinary look at renewable energy as opposed to say an engineering degree with maybe just a couple of courses in renewable energy."
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Investment in wind power is an investment in jobs, including jobs in operations and maintenance, construction, manufacturing and many support sectors. **Total direct and indirect jobs supported in 2010: 5,000-10,000**

Illinois has attracted investment from tower manufacturer Trinity Structural Towers and gearbox manufacturer Winergy, allowing many smaller manufacturers to get involved in the wind energy supply chain. At least 28 facilities in Illinois currently manufacture components for the wind energy industry. **Over one thousand workers in Illinois are employed in the wind energy manufacturing sector.**

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Potential Student – How Do I Find A Wind Energy Program? Training is needed for the growing wind sector in the state of Illinois

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- Wind energy degree programs
- Wind energy certificate programs
- Turbine technician training
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