Wind Energy Subject Guide
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Wind Power Installed Capacity of the U.S. 2014

The U.S. Department of Energy has a goal to generate 20% of the nation’s energy with wind power by 2030.

As of January 2014, the United States has 62,300 MW of installed wind power generation, and was the fastest-growing wind power market in the world in 2012.

In 2010, the five states producing the most American wind power were: Texas, Iowa, California, Illinois, and Oregon.


(Statistics from the U.S. Department of Energy, Wind Powering America Program)
Articles & Books in the LibraryLink Catalog

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Do wind facilities affect local property values?: Preliminary results from a multi-site analysis [power point], (2007) by Ryan Wiser and Ben Hoen, presentation at U.S. Department of Energy Wind Powering America Summit.

Pulling value from the air: Wind energy [powerpoint], (2007) by Gary Earnest, presentation at 73rd Annual International Conference on Assessment Administration.


Wind farms on the prairie, (March 2007) by Dan Eischens. Fair & Equitable, vol. 5 no. 3, p. 3-6, 35-36.


Online Reports and Articles


Impact of wind energy on property taxes in Nebraska, (November 2013) by Baird Holm LLP and Bluestem Energy Solutions. Omaha, Nebraska.


Impacts on residential property values near wind turbines: An overview of research findings and where to go from here [powerpoint], by Ben Hoen, presented at New England Wind Energy Education Project webinar, 2010. This presentation shows updated research and conclusions from the 2007 study by Ryan Wiser and Ben Hoen.


A spatial hedonic analysis of the effects of wind energy facilities on surrounding property values in the United States (August 2013), by Ben Hoen, et. al. Ernest Orlando Lawrence Berkeley National Laboratory, 58 pp.

Texas wind energy: Past, present & future (October 2008) by the Texas Public Policy Foundation. This report is from a conservative think tank and provides a good background on wind energy while calling for a market-driven solution.


Wind technologies market report (August 2010) by the U.S. Department of Energy is an annual report that provides a comprehensive overview of trends in the U.S. wind power market. The full report, executive summary, presentation, and other underlying data can be downloaded.


Websites

American Wind Energy Association (AWEA) is a national trade association representing companies and individuals involved in the wind power industry. It promotes wind energy as a clean source of electricity. The website addresses opposition to wind farms.

Berkeley Lab Reports Catalog of Publications on Renewable Energy contains wind energy basics on how turbines work, advantages and disadvantages, wind energy through history and current research.

DSIRE: Database of State Incentives for Renewables and Efficiency hosted by North Carolina State University is a comprehensive source of information on state, local, utility, and federal incentives that promote renewable energy and energy efficiency.

Industrial Wind Action Group offers an alternate view point from that of the wind energy industry and environmental groups. Includes a list of articles featuring information on Property Value.

National Renewable Energy Laboratory: National Wind Technology Center (NWTC) is a laboratory of the U. S. Department of Energy and performs research to accelerate the commercialization of wind power in the marketplace.

National Wind Coordinating Collaborative (RESOLV) brings together government, industry and environmental organizations to reach consensus on sustainability developing wind power in
the U.S.

**Paul Gipe’s Wind-Works** contains information about books, articles, and workshops on wind energy and Advanced Renewable Tariffs, as well as articles and technical reports on electricity feed laws and renewable energy tariffs.

**State Wind Activities** includes a U.S. map that summarizes Wind Powering America's State activities as of February 2010: wind working groups, validated wind maps, anemometer loan programs, small wind guides, exhibits, and workshops or Webcasts.

**State Wind Resource Maps** includes links to updated state specific maps with details on wind resources (Wind Powering America, October 2010).

**Wind Energy Development Programmatic EIS Information Center** by the U. S. Department of the Interior, Bureau of Land Management (BLM) to evaluate issues associated with wind energy development on Western public lands (excluding Alaska) administered by the BLM. This web site is the online center for public information and involvement in the EIS process and includes technology and issues, maps, photos, and links.

**Wind Powering America** U.S. Department of Energy site to support Wind Power. Articles specifically addressing Property Value can be easily retrieved by searching “property value” in the search box.

**Windustry** is a non-profit organization dedicated to increase wind energy opportunities for rural landowners and communities. Rich collection of resources including industry links, news, state regulations, lease guidelines, and more.