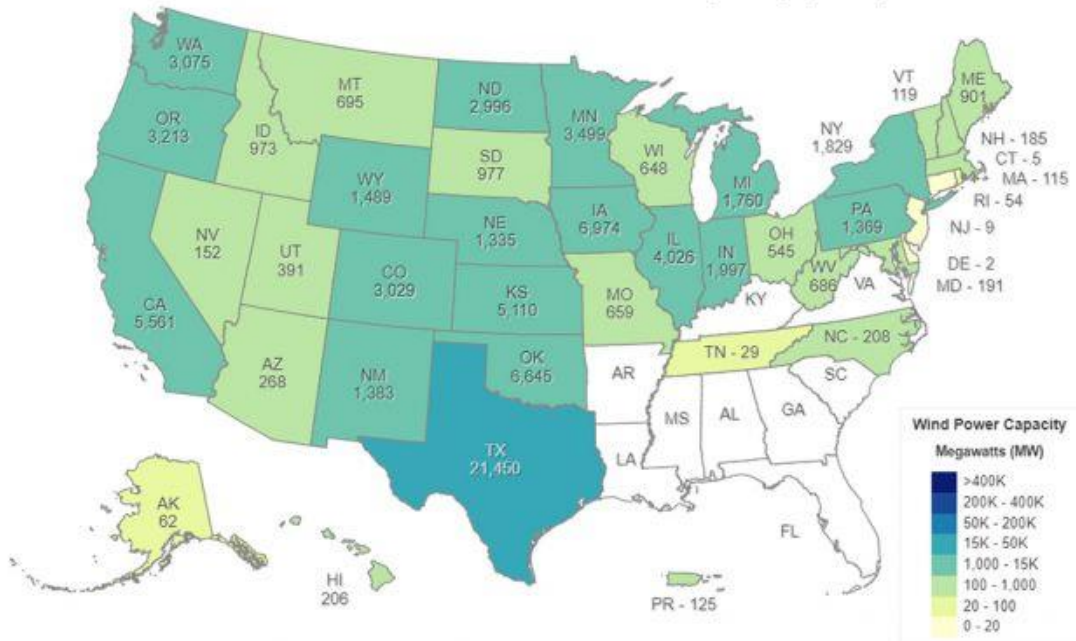


# Wind Energy Subject Guide

By the IAAO Library

## Wind Power Installed Capacity of the U.S. 2017

Q3 2017 Installed Wind Power Capacity (MW)



Total Installed Wind Capacity: 84,946 MW

Source: The Office of Energy Efficiency & Renewable Energy (EERE) of the U. S. Department of Energy.

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

As of October 2017, the United States has 84,946 MW of installed wind power generation.

The five states producing the most American wind power are: Texas, Oklahoma, Iowa, California, and Kansas.

(Statistics from the U.S. Department of Energy, [Wind Powering America Program](#))

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## Articles & Books in the *LibraryLink* Catalog

(Login to *LibraryLink* to download the full text or to request an item from the library.)

**Assessment tour of a wind blade facility**, by Dan Eischens. *Fair & Equitable*, March 2007, 5 (3), 7-8.

**A convenient truth part II: issues in appraisals of renewable, alternative energy and power properties**, by Robert T. Lehn, John J. Davis, and Anthony E. Bell. Presentation at the 76th Annual International Conference on Assessment Administration, 2010.

**Do wind facilities affect local property values? Preliminary results from a multi-site analysis**, by Ryan Wisner and Ben Hoen. Presentation at U.S. Department of Energy Wind Powering America Summit, 2007.

**The effect of wind development on local property values**, by George Sterzinger, Fridric Beck & Damian Kostiuik. Washington, D.C., Renewable Energy Policy Project, 2003.

**Government incentives and the valuation of wind parks**, by Joseph Kettell. *Fair & Equitable*, August 2016, 14 (8), 3-6.

**Impact of wind turbines on residential properties**, by Jamie Stata & Jason Moore. Presentation at the 80th Annual International Conference on Assessment Administration, 2014.

**Pulling value from the air: wind energy**, by Gary Earnest. Presentation at the 73rd Annual International Conference on Assessment Administration, 2007

**A real estate study of the proposed White Oak Wind Energy Center: McLean and Woodford counties, Illinois**, by Poletti and Associates, Inc. Collinsville, Illinois: Poletti and Associates, Inc., 2007.

**Renewables, tax credits and ad valorem taxes: are policies aligned?** by P. Barton DeLacy. *Real Estate Issues*, 2014, 39 (1), 50-58.

**A study of wind energy development in Wisconsin: a collaborative report**, prepared by Seventh Generation Energy Systems, Inc [et al.]. Madison, Wisconsin: Energy Center of Wisconsin, 2004.

**Tall towers, long blades and manifest destiny: the migration of land-based wind from the Great Plains to the thirteen colonies**, by Michelle Burt, Jeremy Firestone, John A. Madsen, Dana E. Veron, & Richard Bowers. *Applied Energy*, November 2017, 206 (15).

**Towers, turbines, and transmission lines: impacts on property value**, by Sandy Bond, Sally Sims, & Peter Dent. Hoboken, N.J: Wiley-Blackwell, 2013.

**The vindication of Don Quixote: the impact of noise and visual pollution from wind turbines**, by Cathrine Ulla Jensen, Toke Emil Panduro, & Thomas Hedemark Lundhede. *Land Economics*, November 2014, 90 (4), 668-682.

**Wind energy basics: A guide to home and community scale wind energy systems**, by Paul Gipe. White River Junction, Vermont: Chelsea Green Publishing, 2009.

**Wind energy facilities and residential properties: the effect of proximity and view on sales prices**, by Ben Hoen, Ryan Wisler, Peter Cappers, Mark Thayer, & Gautam Sethi. *Journal of Real Estate Research*, 2011, 33 (3), 279-316.

**Wind energy: Power and policy**, by Steven J. Hertzog. *Appraisal Journal*, January 1999, 67 (1), 24-28.

**Wind farm proximity and property values: a pooled hedonic regression analysis of property values in central Illinois**, by Jennifer L. Hinman. Normal, Illinois: Illinois State University Department of Economics, May 2010.

**Wind farm valuation in the Northeast: The early stages of evolving technology**, by Gary McCabe. Presentation at the Northeastern Region Association of Assessing Officers (NRAAO) Conference, May 2007.

**Wind farm valuation for real estate tax assessment**, by Camins Associates. Philadelphia, Pennsylvania: Assessors Association of Pennsylvania, 2006.

**Wind farms on the prairie**, by Dan Eischens. *Fair & Equitable*, March 2007, 5 (3), 3-6, 35-36.

**Wind farms: a valuation primer**, by P. Barton DeLacy. Chicago, Illinois: The Appraisal Institute, 2011.

**Wind: the newest energy source**, by Bruce Nielson & Barb Dybdahl. *Fair & Equitable*, March 2007, 5 (3), 9-11.

**Wind power: Renewable energy for home, farm and business**, by Paul Gipe. River Junction, Vermont: Chelsea Green Publishing, 2004.

**Wind turbines, amenities, and disamenities: a study of home value impacts in densely populated Massachusetts**, by Ben Hoen & Carol Atkinson-Palombo. *Journal of Real Estate Research*, October-December 2016, 38 (4), 474-504.

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## Online Reports and Articles

[Animal, vegetable, mineral – Wind? The severed wind power rights conundrum](#), by K.K. DuVivier. *Washburn Law Journal*, Fall 2009, 49 (1), 69-98.

[Clean energy: implications from an ad valorem tax perspective](#), by William T. Sullivan. *Insights*, Summer 2016, 64-68.

[\*\*An economic analysis of a wind farm in Nantucket Sound\*\*](#), by Jonathan Houghton, Douglas Giuffre, John Barrett, & David G. Tuerck. Boston, Massachusetts: Suffolk University, 2004.

[\*\*Economic impacts of wind power in Kittitas county\*\*](#), by ECONorthwest. Portland, Oregon: Phoenix Economic Development Group, November 2002.

[\*\*Final report of the wind turbine moratorium study committee\*\*](#), by Mick Sagrillo. Lincoln Township, Wisconsin: Lincoln Township Board of Supervisors, 2000.

[\*\*Gone with the wind: Valuing the visual impacts of wind turbines through house prices\*\*](#), by Stephen Gibbons. Spatial Economics Research Centre Discussion Paper 159, April 2014.

[\*\*Impact of wind energy on property taxes in Nebraska\*\*](#), by Bluestem Energy Solutions and Baird Holm Attorneys at Law, 2013.

[\*\*The impact of wind power projects on residential property values in the United States: A multi-site hedonic analysis\*\*](#), by Ben Hoen, Ryan Wiser, Peter Cappers, Mark Thayer, & Gautam Sethi. Berkeley, CA: Ernest Orlando Lawrence Berkeley National Laboratory, 2009.

[\*\*Impacts of windmill visibility on property values in Madison county, New York\*\*](#), by Ben Hoen. Hudson, New York: Bard College, Bard Center for Environmental Policy, April 2006.

[\*\*Implications of wind energy decommissioning and repowering on ad valorem taxation\*\*](#), by Thomas Russell. *Insights*, Summer 2017, 45-51.

[\*\*Renewable energy: wind power's contribution to electric power generation and impact on farms and rural communities\*\*](#), report to the ranking Democratic member, Committee on Agriculture, Nutrition, and Forestry, U.S. Senate. Washington, D.C.: U.S. Government Accountability Office, 2004.

[\*\*Response to: The impact of wind power projects on residential property values in the United States : A multi-site hedonic analysis\*\*](#), by Michael S. McCann. Chicago, Illinois: McCann Appraisal, LLC, December 2009.

[\*\*Solar and wind: power energy device exemption and appraisal guidelines\*\*](#), by Glenn Hegar. Texas Comptroller of Public Accounts Publication #96-1569, 2016. Listed under Appraisal.

[\*\*A spatial hedonic analysis of the effects of wind energy facilities on surrounding property values in the United States\*\*](#), by Ben Hoen, Jason P. Brown, Thomas Jackson, Ryan Wiser, Mark Thayer, & Peter Cappers. Ernest Orlando Lawrence Berkeley National Laboratory, 2013.

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

[Towers of power: wind farms and the frontier of renewable power generation](#), by P. Barton DeLacy. *Valuation*, 2015, 20 (3), 10-11.

[Wind energy laws and incentives: A survey of selected state rules](#), by Brent Stahl, Lisa Chavarria, & Jeff D. Nydegger. *Washburn Law Journal*, Fall 2009, 49 (1), 99-142.

[Wind farm valuation for ad valorem taxation purposes](#), by P. Barton DeLacy. *Insights*, Summer 2014.

[Wind turbine impact study](#), by Kurt C. Kielisch. Oshkosh, Wisconsin: Appraisal Group One, 2009.

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## 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.

[Department of Energy](#) focuses on wind research and development projects. This page includes links to their Wind Vision program, current wind energy projects, articles, and reports.

[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](#) 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.

[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.

[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.