

# Wind Power Information Sources

The people on the following pages represent a **sample** cross-section of who (in my opinion) are the better writers regarding the industrial wind power business. [Note: there is no particular order, and all links should be clickable.]

Wind power is a *technology* issue, and, as such, is difficult for the media and normal citizens to accurately comprehend without spending the time to do a fairly substantial amount of research.

The types of articles that appear on this topic fall into two general categories:

1) *those written by scientists and technical experts.*

These are often hard for most people to understand because they use many technical terms, and assume that the reader is fluent in the energy field. Additionally, many authors in this category are not proficient in making their material readable (as that is not their primary objective anyway). These articles are for those looking for a higher quantity of technical matter.

2) *those written by writers who have extensively studied the topic.*

These articles are much easier to read, even though the reader still has to have a working knowledge of some of the basic terms and concepts of the energy field. To further support their material these types of reports are usually well notated.

Both of these types of authors and articles are listed below, as both are credible sources for information on this complex topic.

As a physicist I can say that in the scientific fields the most important aspect of articles and reports is the *accuracy of the content*. Other considerations (like what degree the writer holds, where it was from, who they are paid by, where they work, etc.) are less important.

What about “peer review”? First of all that hasn’t happened very much in this relatively new field. Secondly, who really are the “peers” is open to debate. Thirdly, even among “peers” there can be substantial differences in opinion — witness what is happening regarding various global warming theories.

So how does the average person determine the material’s accuracy? Basically any article ought to pass the sniff test. This is only going to be meaningful if the reader is paying close attention. Material in technical fields like wind power are *not* intended for speed reading. They must be *carefully* read and digested.

In this regard the reader has an obligation to give some genuine thought to what is being presented. If it isn’t entirely clear then they should do some of their own supplemental research to satisfy themselves.

If you have any questions about this, please let me know. Likewise, if you have additional superior authors that you believe should be included, please forward on that information to me (aapjohn@northnet.org).

## **Tom Tanton:**

Tom Tanton is vice president and senior fellow with the Institute for Energy Research (<<[http://InstituteforEnergyResearch.org/?page\\_id=8](http://InstituteforEnergyResearch.org/?page_id=8)>>) and principal of T2 and Associates, an energy and technology consulting firm.

Until 2000, Tanton served as the Principal Policy Advisor with the California Energy Commission (CEC) in Sacramento, California. He was also a team member of the California Governor's Office task force on critical infrastructure security, coordinating with national effort lead by White House Office of Science and Technology Policy.

**Sample Article:** an excellent discussion about subsidies and favoritism for renewables <<<http://www.perc.org/perc.php?subsection=5&id=586>>>.

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## **Glenn Schleede:**

Glenn has a BA degree from Gustavus Adolphus College, and an MA from the University of Minnesota. He is also a graduate of Harvard Business School's Advanced Management Program. He has worked on energy and related matters in government and the private sector for over 30 years.

He was VP of New England Electric System (NEES) and President of its fuels subsidiary, New England Energy. Prior to that Glenn was an Executive Associate Director of the U.S. Office of Management and Budget (one reason many of his articles are about economics), and Associate Director (Energy and Science) of the White House Domestic Council. Mr. Schleede also held career service positions in the U.S. OMB and the U.S. Atomic Energy Commission.

Mr. Schleede now devotes a large share of his time to self-financed analysis and writing about (a) government policies and programs that are detrimental to consumers and taxpayers and (b) government or private sector activities that are presented to the media, public and government officials in a misleading way.

**Sample Articles:** A 2007 Evaluation on NYSERDA's Plans

<<<http://tinyurl.com/37vkkz>>>; "Wind Energy Economics in the State of NY"  
<<<http://tinyurl.com/28m8p2>>>

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## **J. Terry Rogers, PhD:**

"JT" has several degrees (PhD, FCAE, F.C.S.M.E., P.Eng.), and is a nuclear engineer, energy analyst, adjunct Research Professor, and Professor Emeritus (Department of Mechanical and Aerospace Engineering) at Carleton University, Ottawa, Canada. He is also currently the Chairman of the Research and Development Advisory Panel to Atomic Energy of Canada Ltd Board of Directors.

**Sample Article:** An analysis of various options to replace coal fired plants

<<[http://www.cns-snc.ca/media/CNS\\_Position\\_Papers/Ontario\\_coal.pdf](http://www.cns-snc.ca/media/CNS_Position_Papers/Ontario_coal.pdf)>>

## **Sterling Burnett, PhD:**

H. Sterling Burnett is the Senior Policy Analyst with the National Center for Policy Analysis (<<<http://www.ncpa.org/abo/>>>), a nonpartisan, non-profit research and education institute in Dallas, Texas. See <<<http://www.ncpa.org/abo/staff/sburnett.html>>> for his resume.

**Sample Articles:** “More Turbulence for Wind Energy” (11/07)  
<<<http://tinyurl.com/2cz64r>>>; “Wind Power Red, not Green”  
<<<http://www.ncpa.org/pub/ba/ba467/>>>

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## **Jesse Ausubel, PhD:**

Dr. Ausubel is Director of the Program for the Human Environment and Senior Research Associate at The Rockefeller University in New York City. His interests include environmental science and technology, industrial evolution, and the nature of the scientific enterprise. The main themes of the Rockefeller research program are industrial ecology and the long-term interactions of technology and the environment. For the remainder of Jesse’s resume see:  
<<<http://phe.rockefeller.edu/jesse/>>>

**Sample Articles:** “Nuclear and Renewable Heresies”  
<<<http://phe.rockefeller.edu/docs/HeresiesFinal.pdf>>>; “Future Environment of the Energy Business”, with an interesting comparison and graph about the amount of land needed for wind power vs nuclear  
<<<http://phe.rockefeller.edu/docs/appeaausubel12april.pdf>>>.

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## **Tom Hewson:**

Tom has a Civil Engineering degree from Princeton University, and is a principal with Energy Ventures Analysis, Inc. He is responsible for power industry market studies. He provides regular power industry forecasts of future electricity demand growth, generation mix, environmental compliance and individual client studies. Tom has completed numerous studies examining the effect of future environmental regulation and utility deregulation on fuel prices, supplier capacity, generation/environmental technology choice, wholesale electric prices and emission allowance values. He provides market assessments for new fuel, generation and pollution control technologies. For the rest of Mr. Hewson’s lengthy resume, see: <<[http://www.evainc.com/th\\_res.htm](http://www.evainc.com/th_res.htm)>>.

**Sample Article:** A brief review on how property values can be affected by wind projects <<<http://tinyurl.com/ytq9r7>>>.

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## **Jon Boone:**

Mr. Boone lives in Maryland. He has a Ph D in History, and had a 30-year career as an academic administrator with the University of Maryland and is now a painter who receives no income from his work on wind technology.

He produced and directed the documentary “Life Under a Windplant”. He also developed the website Stop Ill Wind <<<http://www.stopillwind.org>>>, which has many wind power related documents. He has been a formal intervenor in multiple Maryland Public Service Commission hearings.

His essay “The Aesthetic Dissonance of Industrial Wind Machines” was published in the journal, *Contemporary Aesthetics*. A revised copy of his June, 2006 speech given in Wyoming County, NY “The Wayward Wind”, will be published next year by McGraw Hill, as will his recent scholarly essay, “Less for More: The Rube Goldberg Nature of Industrial Wind Development.”

A lifelong environmentalist, he helped found the North American Bluebird Society and has been a consultant with the Roger Tory Peterson Institute in Jamestown, New York. He seeks informed, effective public policy, and an environmentalism that eschews wishful thinking because it is aware of the unintended adverse consequences flowing from uninformed decisions.

See <<[http://www.stopillwind.org/downloads/Maryland\\_PSC\\_Testimony.pdf](http://www.stopillwind.org/downloads/Maryland_PSC_Testimony.pdf)>>. for more about Jon’s background.

**Sample Articles:** “Industrial Wind - A Bill Of Goods” is a classic summary of the illusions of wind power <<<http://tinyurl.com/2oz53f>>>; “Less for More” <<[http://www.windcows.com/files/Less\\_for\\_More.pdf](http://www.windcows.com/files/Less_for_More.pdf)>> is another excellent piece has no less than *nine pages* of references.

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## **Robert L. Bradley, jr. PhD:**

Robert L. Bradley, Jr. is one of the nation’s leading experts on the history and regulation of energy and related sustainable development issues. He is president of the Institute for Energy Research in Houston; visiting fellow, Institute of Economic Affairs in London; adjunct scholar, Cato Institute; adjunct scholar, Competitive Enterprise Institute; senior fellow (honorary), University of Texas at Austin; member, academic review committee, Institute for Humane Studies at George Mason University. For more info see:

<<[http://InstituteforEnergyResearch.org/?page\\_id=50](http://InstituteforEnergyResearch.org/?page_id=50)>>

**Sample Article:** A fine discussion as to why wind power is neither inexpensive nor green <<<http://www.ncpa.org/studies/renew/renew2e.html>>>.

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## **Eric Rosenbloom:**

Eric has a varied background ranging from graduate work in film directing and writing to production positions with publishers Macmillan/McGraw-Hill and Sadlier. He is a freelance science editor and works on a wide range of peer-reviewed journals for the global science publisher Elsevier.

He lives in northeastern Vermont with his wife and son, and is President of National Wind Watch, an organization dedicated to providing objective information about industrial wind power <<<http://www.wind-watch.org/>>>.

**Sample Article:** The "Problem With Wind" is very well written summary of the industrial wind power situation <<<http://tinyurl.com/3bhvt6>>>.

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## **J. A. Halkema:**

J.A. Halkema (M.S.E.E.) is a Dutch expert on electricity generation and wind energy. A retired electrical engineer, after graduating from the Technical University in Delft he worked as an Executive Board Member for the international company Brown Boveri Nederland, now Asea Brown Boveri (ABB).

**Sample Article:** "Wind Energy Facts and Fiction: A Half Truth is a Whole Lie" <<<http://www.countryguardian.net/halkema-windenergyfactfiction.pdf>>>. This 51 page report uses the basic laws of physics to show that wind turbines can never be an acceptable means of generating electricity, except in very specific local situations where reliability is not essential.

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## **Robert Bryce:**

Robert lives in Austin, Texas and is managing editor of "Energy Tribune." <<<http://www.energytribune.com/aboutus.cfm>>>. Mr. Bryce has been writing about the energy business for nearly two decades. His articles on energy and other subjects have appeared in numerous publications ranging from *The Atlantic Monthly* to *The Guardian* and *The Nation* to *The American Conservative*.

His first book, *Pipe Dreams: Greed, Ego, and the Death of Enron*, was named one of the best non-fiction books of 2002 by *Publishers Weekly*.

Bryce, who is also a fellow at the Institute for Energy Research, has appeared on numerous TV and radio programs ranging from the BBC and CNN to PBS and NPR. His third book, *Gusher of Lies: The Dangerous Delusions of Energy Independence*, will be published in early 2008 by PublicAffairs.

**Sample Article:** Hot Air - The False Promises of Wind  
<<<http://www.energytribune.com/articles.cfm?aid=509>>>

## **Eleanor Tillinghast:**

Eleanor is president of Green Berkshires, Inc., an advocacy organization dedicated to protecting the mountains and ridgelines of the Berkshires. She is a co-founder of the Massachusetts League of Environmental Voters. She serves as water commissioner, and as chairperson of the zoning board of appeals in her hometown. She represents her town on the Berkshire Regional Planning Commission. In 2001, she was named citizen-activist of the year by the Environmental League of Massachusetts.

**Sample Articles:** “Why Energy Conservation Trumps Windmills”

<<<http://tinyurl.com/2oby8l>>> and “Tilting at Windmills”

<<<http://tinyurl.com/ypx6w3>>>. Both of these are not only well written but they have *numerous* references.

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## **David White:**

David White, (BSc, C Eng, F I Chem E) is an energy consultant, and has held a range of senior management posts with Exxon over a 30 year period. He took early retirement in 1987, and created an energy consultancy practice. He has focused on technologies that offer solutions to emission problems from a range of fossil fuels and wastes by the application of energy conversion technologies.

He chaired the Institution of Chemical Engineers Gasification Conference Steering Committee. He also sits on the IChemE Energy Technology Subject Group Committee and represents IChemE on a number of Inter-Institutional Committees and the Parliamentary Group for Energy Studies. He also drafts many of the Institution's responses to government consultation papers on energy related issues.

**Sample Articles:** An analysis of CO2 savings from wind power

<<<http://www.ref.org.uk/images/pdfs/Whiteco2.pdf>>>; “Danish Wind — Too Good To Be True” <<<http://www.aweo.org/White-DenmarkTooGood.pdf>>>.

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## **Thomas R. Casten:**

Mr. Casten is Chairman of Recycled Energy Development, and has spent 30 years developing decentralized energy recycling projects. He was founding president and CEO of Trigen Energy Corporation, a New York Stock Exchange corporation and its predecessors from 1977 through 2000; and he served until 2006 as founding chair & CEO of Primary Energy Ventures LLC, an Oak Brook, Illinois-based firm with a Toronto Stock Exchange traded subsidiary, Primary Energy Recycling Corp. For more about his background see <<[http://www.recycled-energy.com/who\\_it\\_is.html](http://www.recycled-energy.com/who_it_is.html)>>.

**Sample Article:** Waste Heat to Power (2007) <<<http://tinyurl.com/389k3o>>>

This article is not directly about wind power, but it is *significant* in that it is telling us that there ARE legitimate ways that we can reduce CO2 emissions and help with Global Warming.

Our state and federal governments should be doing more of what he says (decentralization and energy recovery) instead of wasting money on wind power.

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## Selected Additions

Note: this *Reference* document is intended to be selected, representative authors and articles. It is **not** comprehensive, as any such listing would be huge. Below are some additional superb sources for accurate wind power information. Please go to <<<http://windaction.org>>> and <<<http://wind-watch.org>>> for more.

**Vic Mason**, Ph D (a Danish scientist who has written several exposes about the problems with wind power in Denmark): <<<http://tinyurl.com/323b9n>>>.

**Rick Bolton** (physicist and engineer has done fine work, particularly on noise analysis): <<<http://tinyurl.com/32g3z9>>>. See also his excellent general wind power comments at a DEIS hearing <<<http://tinyurl.com/2nwq3t>>>.

**Nina Pierpont**, MD, Ph D (specializes in health effects from living close to industrial wind turbines): <<<http://www.ninapierpont.com>>>.

**Bernard Viau** (an environmental Canadian who has a real skill for writing):  
“Money Blowing in the Wind” <<<http://www.cmaq.net/en/node/28374>>>  
“Wind Energy: Beware, Turbulance Ahead” <<<http://tinyurl.com/2benuj>>>.

**Jack Sullivan**, MD (a superb letter as to why he voted against wind power):  
<<[http://www.credny.org/JackSullivan7-22-06\[1\].htm](http://www.credny.org/JackSullivan7-22-06[1].htm)>>.

**Terry Matilsky**, Ph D (good technical assessments, e.g. this comprehensive noise and ice throw analyses): <<<http://tinyurl.com/2mtah3>>>.

**Brad Jones** (an excellent PP presentation): <<<http://tinyurl.com/2nezag>>>.

**John Droz** (although I’m a physicist, modesty prevented me from including my own work on the first version, but due to several requests I’ll include two):  
“An Executive Summary” <<<http://tinyurl.com/2l7k3u>>>,  
“An Environmental Choice” <<<http://tinyurl.com/38znbk>>>. The point of my articles is to try to summarize complex material in a simple yet accurate way.

### **Groups of experts weighing in:**

There are more wind turbines in Germany than in any other country. These prominent German scientists signed this protest against wind power:  
<<[http://www.savethevale.org.uk/darmstadt\\_manifesto.html](http://www.savethevale.org.uk/darmstadt_manifesto.html)>>.

