

# COMMUNITY wind energy



**A NATIONAL  
CONFERENCE  
FOR NEW  
MODELS OF  
WIND ENERGY  
DEVELOPMENT**



**JUNE 23-24, 2004 • MINNEAPOLIS, MINNESOTA**

PRESENTED BY **WINDUSTRY™**



## WELCOME

Windustry and our diverse team of conference advisors, sponsors, speakers, and exhibitors are pleased that you have joined us for the first ever national Community Wind Energy Conference. Energy development in our country is at a crossroads. Over the last year, the combination of local, state, and federal public policies supporting community wind and the burgeoning number of successful community wind projects where these policies are in place has created a groundswell of interest and enthusiasm for locally based wind development.

Community Wind works where local people are educated about their options, have access to wind expertise and financing, and access to incentive programs particularly designed to support local development. This is especially clear when considering how narrow the segment of society is that can make use of the key federal incentive for wind, the Production Tax Credit (currently awaiting renewal in Congress since its expiration at the end of 2003). Many community wind projects must use a combination of state and agricultural sector based incentives (i.e. USDA renewable energy programs) and/or jump through convoluted hoops to make use of the PTC. More consistent and more widely useful policy is needed for successful community wind projects to develop in many places where interest already is strong.

There are many visions for the growth of the wind industry. Some see bigger projects organized by bigger companies to take advantage of economies of scale, while others see successful projects distributed widely among many small investors both public and private. We believe the marketplace has room for wind development at both ends of this spectrum and many places in between to produce low cost, highly valued, clean electricity. This conference focuses on Community Wind as the development model with the greatest potential for local economic benefits and growing a broad base of support for wind energy.

We have put together a program rich with research, real life experience and expertise. We aimed to cover both the challenges and the enormous potential of community wind by planning in depth discussions of public policy, financing, project models, as well as “how to” advice for developing projects. We invite your *active* participation in our sessions and look forward to learning from each of you, as you share your experiences and perspectives.

Warmest Regards,

Lisa Daniels  
Windustry Executive Director

## WIND POWERED CONFERENCE

*We have purchased enough renewable energy credits from the Lac qui Parle Valley (Madison, MN) School District's 225 kW wind turbine to offset the electricity use at this conference.*



## CONFERENCE PLANNING TEAM

### ABOUT WINDUSTRY

*Windustry is a non-profit organization working to create an understanding of wind energy opportunities. We provide technical support, create tools for analysis, research case studies, and build collaborations with rural landowners, local communities and utilities, as well as state and national organizations. Windustry's areas of special focus include: economic development from wind energy; landowner rights, risks, and benefits; and community wind energy. We augment these tools and materials by presenting at and organizing local, state, regional, and national meetings and conferences.*



This conference is presented by Windustry in collaboration with a diverse planning committee with representatives from around the country.

### CONFERENCE ORGANIZERS

**Lisa Daniels**, Windustry Executive Director  
**Sarah Johnson**, Windustry Program Associate

### CONFERENCE ADVISORS

**Warren Ault**, Windustry / Illinois Stewardship Alliance  
**David Benson**, Nobles County Commissioner / Rural Minnesota Energy Task Force  
**Mark Bolinger**, Lawrence Berkeley National Laboratory  
**Kristen Burke**, Massachusetts Technology Collaborative  
**Michael Bowman**, Colorado Wind Working Group  
**Christopher Childs**, Sierra Club – North Star Chapter  
**Jeremy DeFiebre**, Minnesota Department of Commerce, State Energy Office  
**Alex DePillis**, Wisconsin Division of Energy  
**Carel Dewinkel**, Oregon Office of Energy  
**John Dunlop**, American Wind Energy Association  
**Betsy Engelking**, Great River Energy  
**Larry Flowers**, National Renewable Energy Laboratory  
**Robert Gough**, Intertribal Council on Utility Policy  
**J. Drake Hamilton**, Minnesotans for an Energy-Efficient Economy  
**William Hui**, U.S. Department of Energy, Wind Powering America Regional Office  
**Erin Jordahl-Redlin**, Clean Water Action Alliance  
**Jeffrey Haase**, Minnesota Department of Commerce, State Energy Office  
**Charles Kubert**, Environmental Law and Policy Center  
**Beth Mast**, North Carolina Solar Center  
**Dan McGuire**, American Corn Growers Foundation  
**Dave Miller**, Iowa Farm Bureau  
**Bentham Paulos**, Energy Foundation  
**Tom Potter**, New Center for Rural Economic and Energy Development  
**Christopher Reed**, Nemadji Energy  
**Heather Rhoads-Weaver**, Northwest SEED  
**Lola Schoenrich**, The Minnesota Project  
**Wes Slaymaker**, Windustry  
**Adam Sokolski**, Izaak Walton League of America/Wind on the Wires  
**Mike Taylor**, Minnesota Department of Commerce, State Energy Office  
**Steve Wegman**, South Dakota Public Utilities Commission

# SCHEDULE OF EVENTS: WEDNESDAY, JUNE 23, 2004

## EVENT HIGHLIGHTS

### WEDNESDAY

**7:30 am • Mezzanine Lobby**  
Registration opens

**7:30 am – 7:30 pm**

**Exhibition** Visit diverse exhibits, including wind industry representatives, wind advocates, government agencies, and electric utilities

**8:30 am**

**Opening Plenary Session** Featuring keynote speakers John Deere Vice President Doug DeVries and National Farmers Union President David Frederickson, as well as national program representatives US Department of Agriculture Deputy Administrator of Business Programs William Hagy and US Department of Energy Chicago Regional Office Director Peter Dreyfuss

**5:00 – 7:30 pm**

**Networking Reception** Refreshments, time to visit exhibits and meet with other conference participants

**5:15 – 5:30 pm**

**Video comments from US Congressional members.** Room M100E

**5:30 – 6:15 pm**

**Wind Technology Forum** Learn about the latest turbine technology from leading manufacturers

**6:20 – 6:35 pm**

**Video comments from US Congressional members.** Room M100E

**7:30 – 8:30 am**

**REGISTRATION AND CONTINENTAL BREAKFAST**

**8:30 – 10:00 am**

**OPENING PLENARY SESSION**

Room M100E

Featuring keynote speakers and representatives from national programs.

Introduction: Lisa Daniels, Windustry Executive Director

Moderator: Mark Ritchie, President of Windustry Board of Directors and President of the Institute for Agriculture and Trade Policy

• **Welcome**, Minneapolis Mayor R.T. Rybak (invited)

Moderator: Rip Rapson, President of the McKnight Foundation

• **National Programs: USDA**, William Hagy, Deputy Administrator for Business Programs, US Department of Agriculture

• **National Programs: Wind Powering America**, Peter Dreyfuss, US Department of Energy Chicago Regional Office Director

• **Keynote Speaker: John Deere- Sustainability and Wind Energy**, Douglas C. DeVries, Vice President of Agricultural Marketing, John Deere

• **Keynote Speaker: Wind Energy on Working Farm and Ranch Lands: Economic Opportunity for Rural America**, David Frederickson, President, National Farmers Union

**10:00 – 10:30 am**

**MORNING BREAK**

**10:30 am – 12:00 pm**

**PLENARY SESSION**

Room M100E

**Public Policy that Works for Community Wind** What are the most effective policies for community wind and why do they work? State and federal incentives and programs.

Moderator: Tracee Bentley, Director of National Affairs, Colorado Farm Bureau

• **State of the Wind Industry**, John Dunlop, Great Plains Representative, American Wind Energy Association

• **A Survey of State Support for Community Wind Power Development**, Mark Bolinger, Lawrence Berkeley National Laboratory

• **Report on Rural Economic Benefits of Wind Power**, Steve Clemmer, Union of Concerned Scientists

• **Why Community Wind?** Tom Wind, Wind Utility Consulting

**12:00 – 1:00 pm**

**LUNCH**

Room M100C

**1:00 – 2:45 pm**

**BREAKOUT SESSIONS**

**Financing Wind Projects: Structures and Strategies** Room M100E

Moderator: Robert Young, Chief Economist, American Farm Bureau Federation

• **Financing and Tax Structuring to Maximize Use of Tax Credits**, James Duffy, Nixon Peabody LLP

• **Transitioning Big Wind Project Financing Models for Community Wind**, Mark Safty, Holland and Hart

• **Strategies for Working with Financial Institutions**, Ken Reiners, Senior Director, Agstar Financial Services

• **State Clean Energy Funds Alliance**, Bill Grant, Izaak Walton League of America, Midwest Office

• **Wind Resource Data: Critical Information for Lenders**, Rory Artig, Wind Management, LLC

**Partnering: The Wind Industry and Large Scale Community Wind** Room M100F

Moderator: Tim Seck, Great River Energy

• **How Community Wind and Big Wind Work Together**, Michael Noble, Executive Director, Minnesotans for an Energy-Efficient Economy

• **Piggybacking on Larger Projects: Case Study, Lamar, Colorado**, Darin Huseby, SeaWest Windpower

• **Large Scale Community Organized Project: Progress Report from 100 MW project, Trimont, Minnesota**, Earl Cummings, Turning Point Management and Raimund Grube, PPM Energy

• **Opportunities and Challenges with Community Wind**, Scott Wilenski, Xcel Energy

**Immediately followed by a roundtable discussion, 2:00-2:45 pm**

**Common Ground** A discussion on how the community wind development and the traditional wind industry are working together.



**Wednesday will be a broad look at community wind's benefits, challenges and opportunities, featuring expert panels and round-table discussions. In particular, we will be highlighting public policy and financing issues.**

**Exhibits will be open throughout the day.**

**Wednesday afternoon breakout sessions will feature presentations and discussions on what makes community wind projects work in terms of public policy, regulations, financing, and models.**

### ***Innovations in Community Wind Models*** Room M101B

Moderator: Carel DeWinkel, Oregon Office of Energy

- *Successful Community Wind Models*, Mark Bolinger, Lawrence Berkeley National Laboratory
- *The Economic Development Benefits of Wind Power: A Guidebook for Communities for Estimating the Benefits of Wind Projects*, Stephen Grover, PhD, ECONorthwest
- *Wisconsin Community Wind Business Plan*, Mary Myers, Cooperative Development Services
- *Wind Power Opportunities for Low Income Communities*, Michael Karp, A World Institute for a Sustainable Humanity

**Immediately followed by a roundtable discussion, 2:00-2:45 pm**

***Leading a Community to Wind*** A discussion featuring the "Innovations in Community Wind Models panel" on how communities can organize for wind energy projects.

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**2:45 – 3:15 pm**

### **AFTERNOON BREAK**

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**3:15 – 5:00 pm**

### **BREAKOUT SESSIONS**

### ***Financing Wind Projects: Structures and Strategies (repeated)*** Room M100E

### ***Transmission for Wind: Building Support through Community Wind*** Room M100F

Moderator: Michelle Montague, Vestas

- *Getting Transmission for Wind: a National Perspective*, Charlie Smith, UWIG
- *Integrating Wind onto the Electric Grid: Experiences from Europe*, Jim Caldwell, PPM Energy (invited)
- *Lessons Learned from the Southwest Minnesota 345 kV Case*, Beth Soholt, Director, Wind on the Wires
- *Ensuring Community Benefits from New Transmission and Progress Report from Southwest MN Aggregation Project*, David Benson, Nobles County Commissioner and Rural Minnesota County Task Force

### ***Successful Community Wind Models*** Room M101B

Moderator: Dr. Cornelia Flora, North Central Regional Center for Rural Development, Iowa State University

- *An Urban Wind Cooperative*, David Timm, Toronto Renewable Energy Cooperative
- *Wind Power for Native Americans: Case Study*, Rosebud Sioux Tribe, South Dakota, Robert Gough, Secretary, Intertribal Council on Utility Policy
- *Community Ownership: Case Study*, Hull, Massachusetts, Malcolm Brown, Hull Municipal Light Plant Board of Commissioners
- *Wind for Schools: Case Study*, Spirit Lake, Iowa, Jim Tirevold, Director of Buildings and Grounds, Spirit Lake School District

**Immediately followed by a roundtable discussion, 4:15-5:00 pm**

***What Really Helps Community Wind*** A discussion on the best community wind policies, regulatory practices, and collaborations.

### ***Building a Midwest Clean Energy Network*** Room M101A

Hear about two successful farm/rural renewable energy networks and discuss other ways to share information and influence public policy.

Moderator: Lola Schoenrich, The Minnesota Project

- *Harvesting Clean Energy Network (Pacific Northwest)*, Rhys Roth, Climate Solutions
- *Windustry's Wind Farmers Network*, Lisa Daniels, Executive Director, Windustry

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**5:00 – 7:30 pm**

### **NETWORKING RECEPTION**

Exhibit Area

Beverages and light appetizers will be served among the exhibits.

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**5:30 – 6:15 pm**

### **WIND TECHNOLOGY FORUM**

Room M100E

Representatives from major turbine manufacturers will discuss the latest in large turbine technology. An opportunity to ask questions and discuss technology options for community wind projects.

Moderator: Larry Flowers, National Renewable Energy Laboratory

- Mark Eilers, GE Wind Energy
- Ken Glazier, Suzlon
- Jesper Michaelson, Vestas

# SCHEDULE OF EVENTS: THURSDAY, JUNE 24, 2004

## EVENT HIGHLIGHTS

### THURSDAY

**7:00 am • Mezzanine Lobby**  
Registration opens

**7:30 am – 5:00 pm**  
**Exhibition** Wind energy equipment suppliers, service providers, consultants, advocacy groups, government agencies, and electric utilities

**12:30 – 1:00 pm**  
**Lunch Keynote Speaker** Farmer owned enterprise expert David Kolsrud, General Manager, Corner Stone Farmers Cooperative

### FRIDAY

**8:30 am – 3:00 pm**  
**Native American Wind Interest Group meeting**  
Institute for Agriculture and Trade Policy  
2104 Stevens Avenue South  
Minneapolis, MN 55404

**Tribal Community Wind Issues Wrap-Up**  
**Welcome, Introductions, Invocation and Opening Remarks** 8:30 am  
**Four Round Tables: Community Wind in a Tribal Context** 9:00 am – 12:00 pm  
Opportunity to review the information presented in the Community Wind Conference in the context of the needs and opportunities of Native American Communities.

**North American Native Cooperation**  
1:00 – 3:00 pm  
Cross Boundary Issues in Wind Energy Development: cooperation, transmission, finance, and marketing.

- Patrick Spears, President, Intertribal COUP
- Bob Gough, Secretary, Intertribal COUP
- William Big Bull, Piikuni Nation
- Chief John Miswagon, Pimicikamak Cree Nation

**7:00 – 8:00 am**      **REGISTRATION AND CONTINENTAL BREAKFAST**

**8:00 – 9:30 am**      **SESSION 1: PANELS**

**Wind Development Process** Auditorium Room 1, Level 1  
An overview of the wind development process, site selection, permits and environmental studies, and best practices for wind development.

Introduction: Lisa Daniels, Windustry Executive Director

Moderator: Janet Streff, Manager of State Energy Office, Minnesota Department of Commerce

- **Windy Landowner and Community Options**, Lisa Daniels, Windustry Executive Director
- **Wind Project Development Process**, Wes Slaymaker, Project Engineer, Windustry
- **Best Practices for Siting**, Michael Vickerman, Executive Director, RENEW Wisconsin (invited)
- **Easement Contracts and Community Relations**, Brad Haight, Murray Franke Greenhouse List & Lippit LLP
- **Overview of USDA renewable energy programs**, US Department of Agriculture

**Low Income/People of Color Opportunities to Sell Energy to Public Agencies** Room M101A

Moderator: Paul Reeves, CEO/Founder of One World Energy

- Mel Jones, President, Sterling Planet
- Helen Crowley, CNL Petroleum
- Tran Nhon, National Minority Purchasing Council
- Ralph Taige, Federation of Southern Cooperatives (invited)

**9:40 – 10:40 am**      **SESSION 1: ROUNDTABLE/PANEL DISCUSSIONS**

Roundtable: **Local/Farmer Owned Projects** Room M100E  
Farmers and small project developers tell their stories, focusing on the wind development process

Panel: **USDA Programs: Energy Title and Value Added Grants** Room M100F  
Presentations and discussion on USDA renewable energy funding opportunities and NEPA (environmental and historical studies) requirements.

Moderator/Speaker: Heather Rhoads-Weaver, Northwest SEED

- **USDA Application Process**, David Gaffaney, USDA Rural Development, Minnesota Office
- **Environmental & Historical Studies/NEPA**, Paul Woodin, Western Wind Power Consulting
- **Jonathon Childers**, USDA Rural Development, Minnesota Office

Panel: **Project Finance for Lenders** Room M101B

Moderator: Charles Kubert, Environmental Law and Policy Center

- **Experiences Financing Wind Projects**, Ken Reiners, Senior Director, Agstar Financial Services
- **Experiences Financing Wind Projects**, Mike Hansen, VP, First Farmers and Merchants National Bank
- **What does a Banker Need to Know?** Daniel Otten, bank and business consulting

Roundtable: **Tribal Projects** Room M101A

A discussion of existing community wind projects up and running on Indian reservations and reserves in the U.S. and Canadian Great Plains and Great Lakes.

**10:40 – 11:00 am**      **MORNING BREAK**

**11:00 am – 12:15 pm**      **SESSION 2: PANELS**

**Wind Energy Economics and Business Structure** Auditorium Room 1  
Details on business structure options, securing financing, and project cash flow.

Moderator: Dave Miller, Iowa Farm Bureau

- **Business Structure**, Jeff Paulson, Jeffrey C. Paulson & Associates
- **Business Plan Decision Process and Research**, Mark Willers, Minwind Energy
- **Project Economics and Cash Flow Modeling**, Tom Wind, Wind Utility Consulting

**Intertribal Projects** Room M101A

Presentations on developing intertribal wind development projects.

- **Forming a Tribal Utility Company**, William Big Bull, Piikuni Nation
- **Northern Great Plains Collaborative Demonstration Project**, Patrick Spears, Lower Brule Lakota Nation
- **Energy Independence Day Campaign Partnership/Tribal Renewable Energy**, Bob Gough, Intertribal COUP



**Thursday sessions will feature "how to" advice for developing community wind projects. Hear from experts on how they put their projects together in a series of panels and roundtables with plenty of time for questions and discussion.**

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**Community Wind and Local Government** Room M100E

Moderator: Steve Wegman, South Dakota Public Utilities Commission

- **National Wind Coordinating Committee Permitting Handbook**, Rachel Permut, NWCC
- **Components of a Good Wind Energy Ordinance**, Larry Hartman, MN Environmental Quality Board (invited)
- **Permitting Illinois Community Wind Projects**, Nanci Rogers, Attorney, Robins, Schwarz, Lifton and Taylor
- **Wind Energy Tax Strategies from a Local Community Perspective**, Jack Keers, Rural Minnesota Energy Task Force and Pipestone County Commissioner
- **Building Community Support for Wind**, Malcolm Brown, Board Member, Hull Municipal Light Plant

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12:15 – 1:30 pm

**LUNCH WITH KEYNOTE SPEAKER**

Room M100C

**So You Want to Build a Wind Project...**

David Kolsrud, Farmer/Manager of Corner Stone Farmers Cooperative (12:45-1:15 pm)

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1:30 – 2:30 pm

**SESSION 2: ROUNDTABLE/PANEL DISCUSSIONS**

Roundtable/Panel: **School and Municipal Projects** Room M100F

Funding opportunities, project economics, and community organizing for school and municipal projects.

Moderator: Tom Potter, New Center for Rural Economic and Energy Development

- Tom Wind, Wind Utility Consulting
- Keith Bolin, Bureau Valley Illinois School Board
- Don Coats, Oregon farmer
- Jesper Michaelson, Vestas
- Christopher Reed, Nemadji Energy

Roundtable: **Wind Energy Economics, Business Plans for Farmers/Local Investors** Room M100E

Opportunity to discuss project economics, business structures, and financing with experienced community wind lenders and developers.

Panel: **Rural Electric Cooperatives** Room M101C

Case studies and options for RECs.

Moderator/Speaker: Tim Seck, Great River Energy

- Blaine Strampe, Chief Electrical Engineer, Federated Rural Electric and Nobles Cooperative Electric
- Larry Flowers, National Renewable Energy Laboratory
- Sean Middleton, Illinois Renewable Electric Cooperative (invited)

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2:30 – 2:45 pm

**AFTERNOON BREAK**

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2:45 – 4:00 pm

**SESSION 3 PANEL**

Room M100E

**Marketing Power and Getting Your Project on the Grid** Marketing your power, getting your project on the grid, renewable energy credits, and how to work with a utility.

Moderator: Commissioner Phyllis Reha, Minnesota Public Utilities Commission (invited)

- **Interconnection: Technical Requirements and Standards**, Tom Wind, Wind Utility Consulting
- **Interconnection and Power Purchase Agreements**, Jeff Paulson, Jeffrey C. Paulson and Associates
- **How to Work with a Utility**, Xcel Energy
- **Marketing Green Power, Rosebud Example**, Robert Gough, Intertribal Council on Utility Policy
- **Project Operations**, Dan Juhl, DanMar & Associates

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4:00 – 4:45 pm

**CLOSING SESSION**

Room M100E

**Making the Leap** How do you know when your project is ready? A wrap up discussion on when to start making financial commitments, confidence factors, and how to get your team organized.

Moderators: Lisa Daniels, Windustry and Janet Streff, Minnesota Department of Commerce

- Tom Wind, Wind Utility Consulting
- Dan Juhl, DanMar & Associates
- Jeff Paulson, Jeffrey C. Paulson & Associates
- Robert Gough, Intertribal Council on Utility Policy
- Paul Woodin, Western Wind Power Consulting
- Mark Willers, Minwind Energy

# COMMUNITY WIND ENERGY EXHIBITORS

## **Consulting Engineers Group**

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*Consulting Engineers Group (CEG) is a subsidiary of Dakota Electric Association in Farmington, Minnesota and was formed with a mission to provide high quality, high tech transmission and distribution engineering services at competitive prices. CEG provides transmission and distribution services to industrial clients and municipal, cooperative and investor owned utilities.*

## **EAPC**

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*EAPC provides design, engineering, construction management and wind-consulting services for wind farms. EAPC's wind-consulting services include wind resource assessments, monitoring tower siting and erection, data collection and analysis as well as wind farm layout and wind turbine array analysis. EAPC is the exclusive North American (U.S. and Canada) sales and support Agent for WindPRO, the world's leading software tool used for the design of wind farms.*

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## **Focus on Energy**

### **Renewable Energy Program**

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*Focus on Energy is a public-private partnership that provides energy efficiency and renewable energy information and services to the state's energy utility customers. Focus on Energy's Renewable Energy program seeks to raise awareness, provide training and financing, enhance marketing, promote technical assistance and support the installation of renewable energy technologies across Wisconsin. Focus on Energy provides applications, with full program details, at 800-762-7077 or at [focusonenergy.com](http://focusonenergy.com)*

SILVER SPONSOR

## **GE Wind Energy**

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*GE Wind Energy is one of the world's leading wind turbine manufacturers. With design and manufacturing facilities located in the U.S. and Europe, we offer variable speed wind turbine technology ranging from 1.5 MW to 3.6 MW. We also provide a full array of professional wind power capabilities including project design and layout, project management as well as operation and maintenance services.*

PLATINUM SPONSOR

## **Great River Energy**

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*Great River Energy, Elk River, Minnesota, is the second largest wholesale power supplier in the state and the fourth largest generation and transmission cooperative in the country in terms of assets. The organization provides wholesale electric service to 28 electric distribution cooperatives in Minnesota and Wisconsin. Those member cooperatives serve approximately 580,000 member/consumers (or a population of 1.5 million people).*

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## **HDR Engineering, Inc.**

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*HDR is an architectural, engineering and environmental consulting firm that excels at complex projects and solving challenges for clients. More than 3,300 employee-owners, including architects, engineers, consultants, scientists, planners, and construction managers, in over 90 locations worldwide, pool their strengths to provide solutions beyond the scope of traditional A/E/C firms.*

## **Institute for Agriculture and Trade Policy**

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*The Institute for Agriculture and Trade Policy (IATP) promotes resilient family farms, rural communities, and ecosystems, through research and education, science and technology, and advocacy.*

**M. A. Mortenson Company**

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Since 1954, M. A. Mortenson Company, a General Contractor based in Minneapolis, has assisted many companies construct a wide variety of projects. Mortenson completed its first wind power project in 1998. To date, Mortenson has completed 25 wind projects for 10 customers, involving 1196 MW and 1128 turbines. As design/build contractor, BOP contractor, EPC contractor, or subcontractor, we've performed roads, foundations, electrical collection systems, substations, grid interconnections, transmission lines, and turbine installation. We offer our customers the depth and financial capability to provide a full range of services.

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**Minnesota Department of Commerce,  
State Energy Office**

Energy Information Center  
85 7th Place East, Suite 500  
St. Paul, MN 55101

Contact: Phil Smith

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The State Energy Office, Energy Information Center, seeks to maximize the benefits of energy efficiency and renewable energy by promoting energy conservation in buildings and use of renewable energy technologies.

BRONZE SPONSOR

**The Minnesota Project**

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*The Minnesota Project connects people with policy to nurture collaborations addressing sustainable agriculture, local food systems, and renewable energy in order to build strong local economies, vibrant communities, and a healthy environment.*

**National Wind Coordinating Committee**

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*A U.S. consensus-based collaborative formed in 1994, the National Wind Coordinating Committee (NWCC) identifies issues that affect the use of wind power, establishes dialogue among key stakeholders, and catalyzes appropriate activities to support the development of environmentally, economically, and politically sustainable commercial markets for wind power. NWCC members include representatives from electric utilities and support organizations, state legislatures, state utility commissions, consumer advocacy offices, wind equipment suppliers and developers, green power marketers, environmental organizations, agriculture and economic development organizations, and state and federal agencies. The NWCC is facilitated by RESOLVE Inc., [www.resolv.org](http://www.resolv.org).*

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*NRG Systems is the global leader in the design and manufacture of integrated, wind energy measurement technologies. Only NRG offers a complete, turnkey system approach: NRG TallTower™ Mast Systems, NRG reliable, low-power data loggers, NRG high quality, ISO-9000 guided manufacture meteorological sensors. The NRG Symphonie Data Logger leads the wind industry by communicating data via cellular phone-to-internet-connectivity; the site data is delivered to your PC as an email attached file. NRG also manufactures IceFreeII heated sensors for wind energy studies and turbine control systems in cold climates prone to heavy icing conditions. NRG Systems... the Global Leader in wind assessment technology.*

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**Otter Tail Power Company**

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*Otter Tail Power Company is an investor-owned electric utility with operations in Minnesota, North Dakota, and South Dakota.*

# COMMUNITY WIND ENERGY EXHIBITORS

## **Sabre Wind Towers**

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[www.sabrecom.com](http://www.sabrecom.com)

*Sabre Wind Towers, a division of Sabre Communications Corporation, manufactures towers capable of handling a variety of wind applications. A leading manufacturer of guyed towers, self-supporting towers, monopoles, and tower components, Sabre Communications has been in the tower industry for more than 25 years.*

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## **SeaWest WindPower**

1455 Frazee Road, Ninth Floor  
San Diego, CA 92108-4310

Contact: Darin Huseby, Assistant Vice President of Business Development

Phone: 503-493-2270

E-mail: [dhuseby@seawestwindpower.com](mailto:dhuseby@seawestwindpower.com)  
[www.seawestwindpower.com](http://www.seawestwindpower.com)

*SeaWest WindPower, Inc. one of the world's leading developers and long-term operators of utility-scale wind power projects. Since 1982, SeaWest has completed 42 utility-scale wind projects worldwide comprising over 900 MW of capacity. Headquartered in San Diego, SeaWest also maintains two operations centers in California, one in Oregon, and one in Wyoming, from which it currently operates and maintains more than 400 MW of wind projects nationwide. SEAWEST CONSULTING has over twelve years of experience in providing professional consulting services to all aspects of the power industry from wind technology research, to feasibility assessment, planning and engineering, to operation of wind plants.*

## **Second Wind Inc.**

366 Summer Street  
Somerville, MA 02144

Contact: Jennifer Kiehling, Marketing Coordinator

Phone: 617-776-8520

E-mail: [jennifer@secondwind.com](mailto:jennifer@secondwind.com)  
[www.secondwind.com](http://www.secondwind.com)

*Second Wind Inc. is a manufacturing company that has been in the wind industry since 1980. We manufacture wind energy data loggers for site assessment. We also sell complete site assessment packages. Second Wind's ADMS is a SCADA system for utility-scale windfarms.*

## **Suzlon Wind Energy Corporation**

620 Third Avenue SE  
Pipestone, MN 56164

Contact: Ken Glazier, Vice President  
Phone: 507-562-1105

E-mail: [kglazier@suzlon-usa.com](mailto:kglazier@suzlon-usa.com)  
[www.suzlon.com](http://www.suzlon.com)

*Turbine designer, manufacturer, and vendor. Turnkey EPC contractor for wind projects.*

## **Valmont Industries, Inc.**

7002 North 288th Street,  
P.O. Box 358

Valley, Nebraska 68064-0358

Contact: Jason Butts, Sales/Project Coordinator

Phone: 800-825-6668

E-mail: [windinfo@valmont.com](mailto:windinfo@valmont.com)  
[www.valmont.com](http://www.valmont.com)

*Valmont Wind Energy offers a broad and uniquely-specialized range of solutions to its Wind Energy customers. Not only do we offer Conventional and Self-Erecting towers for utility class turbines (500 kW – 2.X MW), Valmont can also provide customized small towers for smaller class turbines and anemometer structures designed to your exact specifications and needs. Based upon your requirements, Valmont can accommodate guyed, self-supporting and monopole*

*structures. From wind resource studies to electrical transmission delivery, Valmont's full-scale catalog of products can help you accomplish your goals. We will work to exceed your expectations by delivering quality products, cutting-edge technology, and superior customer service.*

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## **US Department of Energy/Wind Powering America**

1617 Cole Blvd.

Golden, CO 80401

Contact: Ruth Baranowski

Phone: 303-384-6973

E-mail: [ruth\\_baranowski@nrel.gov](mailto:ruth_baranowski@nrel.gov)  
[www.windpoweringamerica.gov](http://www.windpoweringamerica.gov)

*Wind Powering America (WPA), a US Department of Energy initiative, is a commitment to dramatically increase the use of wind energy in the United States. WPA's objectives are to increase rural economic development, protect the environment, and increase energy security. Its goals are to 1) provide 5% of the nation's electricity by 2020; 2) increase the number of states with 20 MW of wind capacity to 16 by 2005 and 24 by 2010; and 3) increase the use of wind power by the federal government to 5% of its annual consumption by 2010. The WPA team pursues these goals by focusing on state-based activities, rural economic development, greening federal loads, and utility partnerships.*

**Vestas**

111 SW Columbia St., Suite 480

Portland, OR 97201

Contact: Michelle Montague, Marketing Director

Phone: 847-806-6191

E-mail: [mmontague@vestas-awt.com](mailto:mmontague@vestas-awt.com)

[www.vestas.com](http://www.vestas.com)

*Vestas is the world leader in wind energy technology and a driving force in the development of the wind power industry. Vestas' core business comprises the development, manufacture, sale, marketing and maintenance of installations that use wind energy to generate electricity. It supplies a full range of products, from individual turbines to the delivery of turnkey wind power systems. Vestas began wind turbine manufacturing in 1979, and has played a major role in the energy industry ever since. Through decades of involvement in all aspects of this industry and installing thousands of turbines all over the world, Vestas has built up a wealth of experience and expertise which are used to the benefit of customers worldwide.*

**Westwood Professional Services**

7599 Anagram Drive

Eden Prairie, MN 55344

Contact: Mark Salo, Project Manager

Phone: 952-906-7440

E-mail: [mark.salo@westwoodps.com](mailto:mark.salo@westwoodps.com)

[www.westwoodps.com](http://www.westwoodps.com)

*Westwood Professional Services, Inc. is a multi-disciplinary consulting firm providing Land Surveying, Civil Engineering, Transportation Engineering, Landscape Architecture, Planning and Environmental Services. Westwood has been known for its consistent quality and service in a timely, cost-efficient manner for more than 30 years, and providing services for wind energy projects since 1997.*

**WindLogics**

1217 Bandana Blvd. N.

St. Paul, MN 55108

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E-mail: [lee@windlogics.com](mailto:lee@windlogics.com)

[www.windlogics.com](http://www.windlogics.com)

*WindLogics Inc. (formerly SESCO), a world leader in atmospheric modeling and analysis, has developed innovative methodologies for assessing long-term financial risk associated with wind energy development. WindLogics uses the most accurate diagnostic windfield models for complex terrain along with a variety of meteorological data including your on-site observations and our fifty-five year global weather archives. Founded in 1989, WindLogics provides ongoing 24/7 weather data services customers around the world.*

**WindPro Insurance**

3101 West Coast Highway, Suite 100

Newport Beach, CA 92663

Contact: Mike Bernay

Phone: 760-836-0417

E-mail: [info@windpro-insurance.com](mailto:info@windpro-insurance.com)

[www.windpro-insurance.com](http://www.windpro-insurance.com)

*Delivering insurance solutions for the wind industry: The WindPro facility provides complete and reliable solutions and real value to everyone involved in the wind industry. For almost two decades, first-hand knowledge of the wind industry has allowed WindPro to provide expert insurance solutions for wind farm developers, manufacturers, operating and maintenance providers, owners, contractors and lenders. WindPro can provide you with insurance and risk transfer solutions, which meet your needs cost-effectively.*

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