



January 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
December 2002 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	February 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		1 Navy Voods Day	2	3	4
5	6	7	New Year's Day	9	10	11
	6–9 –	– 22nd ASME Wind Ene www.sandia.gov/Renew	ergy Symposium, Reno able_Energy/wind_energ	Hilton gy/aiaaconf.htm		
12	13	14	15	16	17	18
					West Virginia Wind Energy Working Group Charleston, West Virginia pmann@wvu.edu	
19	The Hatton,	able Energy 2003 London, UK .uk/renewable7.asp	NWCC Western Transmission Meeting Salt Lake City, Utah www.nationalwind. org/events/ default.htm	23	24	25
26	27–28 — Wind Ener Westminster, Color	gy & Power Markets ado, www.euci.com	29	30	Renewable Energy for Homes, Farms & Businesses Seabrook, New Jersey maryanne.daniel@ee. doe.gov 215-656-6964	

About the Wind Power Pioneers

The 2003 Wind Powering America calendar is dedicated to 12 U.S. wind pioneers whose innovative contributions to technology, market development, and enabling policies have laid the groundwork for today's vibrant U.S. wind energy market. Their leadership, vision, and dedication have set the stage for others to "carpe ventem" (seize the wind) for the benefit of current and future generations.



























February 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
January 2003 S M T W T F S	March 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2 Groundhog Day	3	4	Virginia State Wind Powering America Workshop Harrisonburg, Virginia heckmg@jmu.edu	6	7	8
9	10-11 — Harvesi Conference III, B Gasaway, 360-943-42 10-12 — NASEO 200 Wasi	oise, Idaho, Diane	12 erence, Westin Grand o.org Lincoln's Birthday	13	14 Valentine's Day	15
16	17 Presidents' Day	18	19	20	21	22 Washington's Birthday
23-26 — NARUC	24–26 — NCAI Execu Winter Meeting, Renais		-	27	28	

Wind Power Pioneer

"Bob Thresher has more than 30 years of research, development, engineering, and management experience in wind technology. He directed wind turbine research efforts at Oregon State from 1970-1984, and he also spent two years in Washington, D.C., managing research projects for the Department of Energy. Bob later conducted wind research at the National Renewable Energy Laboratory, and by 1989 he was managing the wind research program. Bob worked with DOE management to secure use of a 280-acre site at Rocky Flats and developed the National Wind Technology Center. As director of the new facility, Bob works closely with DOE to make the Center a focal point for national wind research."

- Sue Hock, National Renewable Energy Laboratory



Robert Thresher, director, National Wind Technology Center, Golden, Colorado (PIX09817)



March 2003

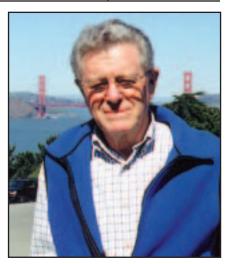
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
February 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	April 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					1
2	3	4-6 — Electric Pow Meet," Houston, Texa	er 2003: "Where the Oas, www.electricpowerexp	6 Renewable Energy Conference, Missouri Energy Center www.dnr.state.mo.us/ energy/homeec.htm perating Companies o.com/conference.asp	7	8
9	10	11	12	Summit , Wa lydiav@ 202-72	ustainable Enterprise shington, DC ewri.org 9-7635 nit/2003_summit.html	15
16	17 St. Patrick's Day	18	Tribe Sustainab Denver,	20 lity 2003: A National ility Conference Colorado edEarth.com	21	22
23	24 North Dakota Wind IV Conference Bismarck, North Dakota 701-777-5068 www.undeerc.org	25 24-26 — 7th An	26 nual Distributed	27	28	29
30	31	Generation & On-Sit	e Power Conference: Case for the End User , 508-823-5797			

Wind Power Pioneer

"Carl is a leader of the renewable energy effort in the United States. While at Pacific Gas & Electric during the 1980s, Carl managed the leading U.S. electric utility program in the development and deployment of renewable energy technologies. Wind became a major focus of that program, including installation and evaluation of leading prototype hardware and participation in a utility-manufacturer consortium to develop variable-speed wind technology. Through the PG&E program, Carl developed a cadre of professionals dedicated to renewable energy—many of whom, like Carl, are today's leaders in the renewable energy community. A tireless spokesman, Carl continues to lead the charge for renewables by articulating his vision."

— Ed DeMeo, Renewable Energy Consulting Services Inc.

founder, Weinberg, principal and founder, Weinberg Associates, Walnut Creek, California (PIX12066)





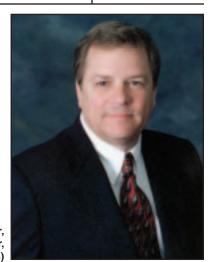
April 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
March 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	May 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	April Fool's Day	2	Wind Workshop for Illinois/Wisconsin Landowners/Farmers, Wisconsin, william.hui@ee.doe.	4	5
6	7	8	9–11 — Asia Wind International Convention	10 Power Conference and on Center, China, www.c	nwpa.org/wind-e1.htm Wind Energy in Medite	12 erranean and Other
Daylight Saving Time Begins 13 Palm Sunday	Denver, Colorad 14–16 — Ameri	15 CCA Wind Workshop o, 703-907-5624 can Power Conference, www.apc-pennwell.com	Annual Meeting, www.u Chicago, Illinois	17 lind Interest Group Denver, Colorado	Seas, Naples, Italy, wwv	19
20 Easter Sunday	21	22—24 — The Earth To Hill, Wash	echnologies Forum, Hy. ington, DC, www.earthf	att Regency on Capitol orum.com 24–25 — Colorado S Forging Solution	25 Sustainability Summit s at Colleges and 303-492-8308	26
27	28	29	30			

Wind Power Pioneer

"Glenn Cannon has been the guiding force behind Waverly Light and Power, which helped to lead the way for wind energy development across the Midwest. In 1993, Waverly installed the first utility-scale wind turbine in Iowa. Since then, Iowa has installed approximately 350 wind turbines and is ranked third in the nation for wind energy development. Also under Glenn's guidance, Waverly Light and Power launched the Iowa Energy Tags Program in 2001, becoming the first electric utility in the nation to offer "green tags." In 2002, Glenn accepted the National Renewable Energy Laboratory's Paul Rappaport Renewable Energy and Energy Efficiency Award on behalf of the town and its utility."

- Brian Parsons, National Wind Technology Center





May 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
April 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	June 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			1	2	3
4	5	6	7	3rd Annual Green Power— Turn It On! 717-214-7920 www.pennfuture.org	9	10
11 Mother's Day	12	13–15 — SUSTA Exhibition and	IN 2003: The World Su Conference, RAI, Amst www.sustain2003.com	15 stainable Energy erdam, Holland	16	17 Armed Forces Day
18 18-21 — V	19 VINDPOWER 2003, Aust	20 in, Texas www.awea.org	21 g/conference	Wind Powering America State Wind Summit II Austin, Texas steve.palomo@ee. doe.gov 303-275-4826	23	24
25	26 Memorial Day Observed	27	28	29	30	31

Wind Power Pioneer

"As a professor of civil engineering at the University of Massachusetts (UMass) in the 1970s, Bill started the alternative energy program at UMass (now the Renewable Energy Research Laboratory) and led a team of researchers on wind engineering projects. The team developed the UMass "Wind Furnace" and a turbine design that formed the basis of the initial U.S. Windpower turbine design. Although Bill was a pioneer of the wind farm concept, his main area of interest was offshore wind power. Many of Bill's offshore wind power studies from the '70s, which were considered to be ahead of their time, are now under consideration in Europe. Bill passed away on November 2, 2002, but his former students and their continuing contributions to wind power are part of his legacy."







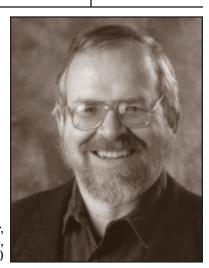
June 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8 8–12 —	g - NASUCA Mid-Year Meei	10 ting, 5th Avenue Suites	11 s Hotel, Portland, Orego	12 on, www.nasuca.org	13	14 Flag Day
	16 18 — NCAI Mid-Year Ses			19 2003 Oklahoma Wind Power Conference Norman, Oklahoma Tim Hughes 405-447-8412 www.seic.okstate. edu/owpi d, Spain, www.ewea.org	20	21
Father's Day	23	24	25	26	Conference, Me	28 D Renewable Energy Ontrose, Colorado ww.cres-energy.org
29	30				May 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	July 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Wind Power Pioneer

"Tom Gray has devoted virtually his entire professional career to wind energy. While working as a Capitol Hill staffer, he played an important role in the development of the Wind Energy Systems Act of 1980. From 1981 to 1989, he served as the executive director for the American Wind Energy Association. After several years of consulting, Tom began directing AWEA's communications department in 1994. In 1986, Tom was recognized as AWEA's Wind Industry Man of the Year, and in 1989 he received a special award for selfless devotion to the promise of wind energy."

- Randy Swisher, American Wind Energy Association





July 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
June 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	August 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1	2	3	4 Independence Day	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22 1–25 — NCSL Annual I	23 Meeting, San Francisco,	California, www.ncsl.or	25	26
27	28	29	30	31		
27–30 —	I - NARUC Summer Comr www.naruc.org/Me	ı nittee Meeting , Denver, eetings/index.shtml	, Colorado			
	28–August 8 — Sola i	r Energy International \ www.solarenergy.	Wind Power Workshop , org/windpowr.html	Carbondale, Colorado		

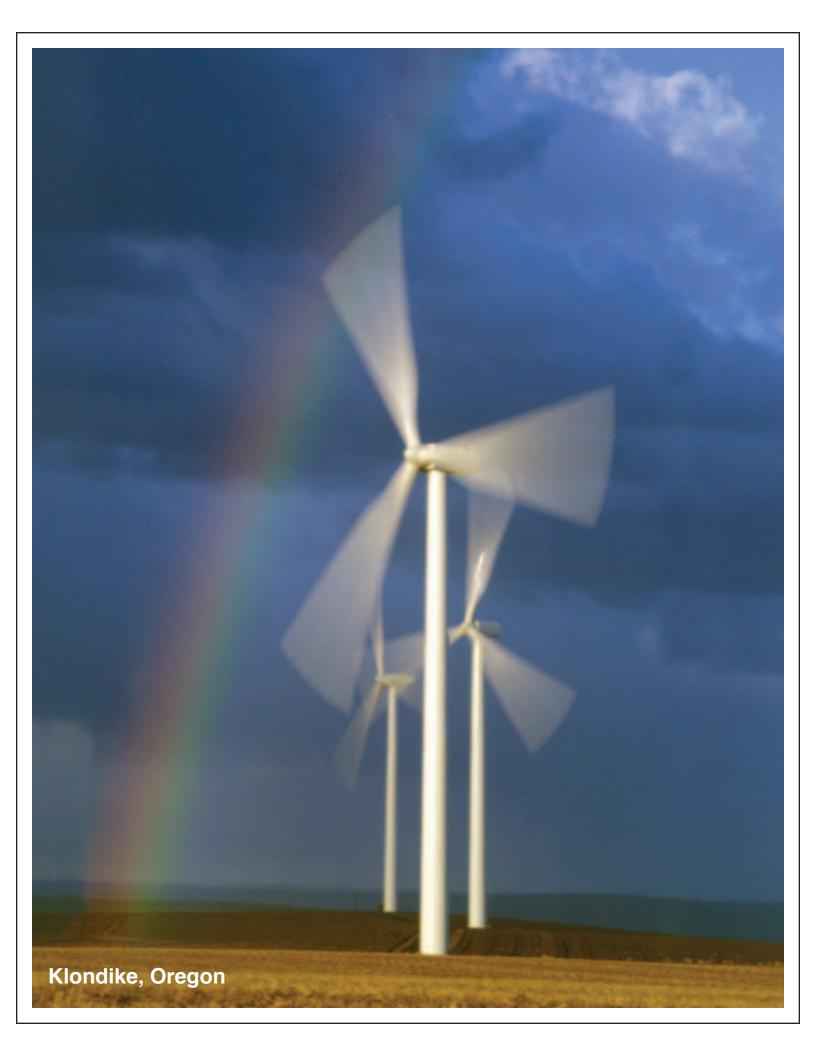
Wind Power Pioneer

"Nolan started working on wind energy for rural applications in the mid '70s. His research experience includes wind power for irrigation, domestic, and livestock water pumping; wind turbine performance; wind/hybrid generating systems; and wind effects on sprinkler irrigation. The USDA and the Alternative Energy Institute at West Texas State University have installed and operated more than 60 wind turbines, most of which were prototypes or first production units. Nolan has received numerous awards for his groundbreaking work in utilizing wind energy technology to meet rural needs."

- Vaughn Nelson, West Texas A&M University

R. Nolan Clark, laboratory director, United States Department of Agriculture (USDA) Conservation and Production Research Laboratory, Bushland, Texas (PIX11922)





August 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	September 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				1	2
July 28–August 8 –	4 – Solar Energy Internat	5 ional Wind Power Wor	6 kshop, Carbondale, Colo	7 prado, www.solarenergy	8 .org/windpowr.html	9
10	11	12	13	14	15	16
17-20 — Energ	18 y 2003 , Lake Buena Vis	19 ta, Florida, www.energy	20 2003.ee.doe.gov	21	22	23
24	25	26	27	28	29	30
31		26–28 — Nevada E r	 nergy Showcase, Elko, 1 206-553-7841	 Vevada, Curtis Framel		

Wind Power Pioneer

"Bob Lynette is a renewable energy advocate who has made a significant contribution to the wind energy industry during his more than 25 years of involvement. Bob opened his own consulting office in the '80s and performed "due diligence" work for investors. His firm was later instrumental in advancing the evolution of two-bladed teetered turbines and innovative vertical axis turbines. Beginning with his work at Boeing in the '70s and early '80s, Bob played a role in the formation of many of the early federal wind programs. Bob also served on the board of directors for the American Wind Energy Association for many years. He now continues his advocacy efforts through his consulting company."

Karen Conover, Global Energy Concepts

Bob Lynette, president of R. Lynette & Associates Renewable Energy Consultants, Sequim, Washington (PIX11927)





September 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
	Labor Day					
7	8	9	10	11	12	13
14	15 15- Hyatt	16 -17 — NASEO 2003 An Regency, Austin, Texas,	www.naseo.org	oast Energy Managemess Conference	19 ent	20
21	22	Canaan Valle maryanne	Virginia Energy Worksho y Resort, West Virginia e.daniel@ee.doe.gov 15-656-6964	25	26	27 First Day of Rosh Hashanah
28	29	30			August 2003 S M T W T 3 4 5 6 7 10 11 12 13 14 17 18 19 20 21 24 25 26 27 28 31	1 2 8 9 5 6 7 8 9 10 11 15 16 12 13 14 15 16 17 18 22 23 22 23 24 25

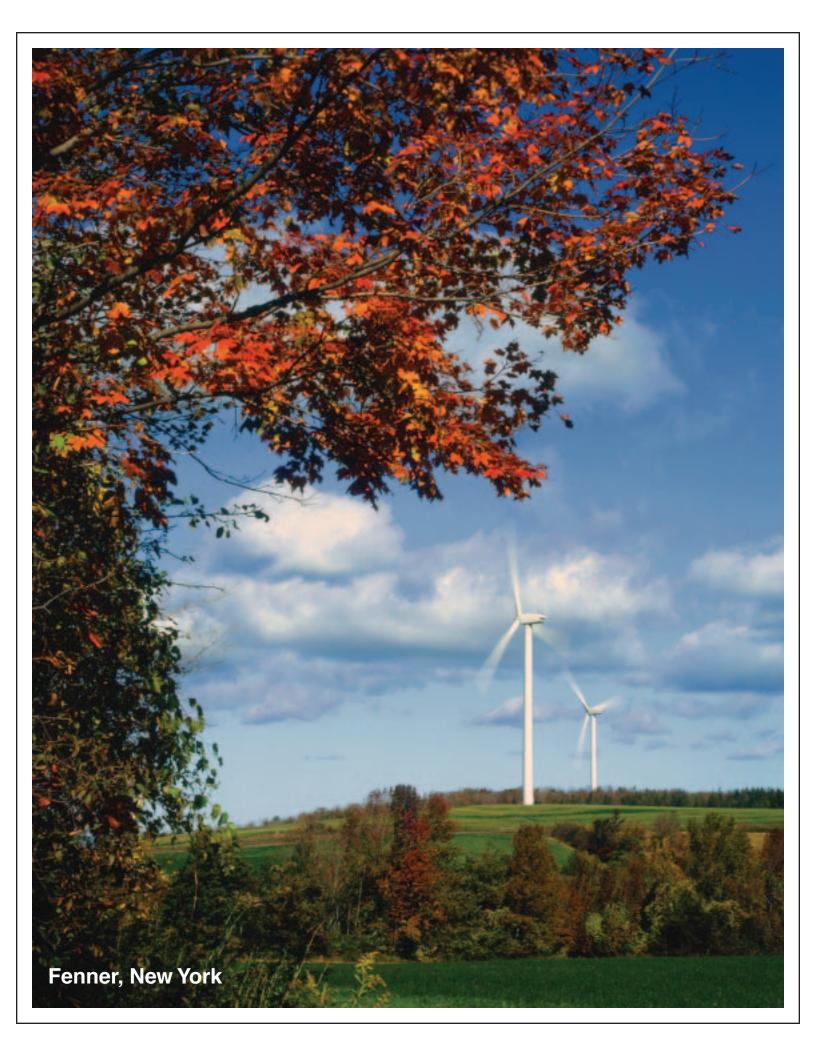
Wind Power Pioneer

"Mike Bergey has been a wind industry leader since 1977, when he became vice president of Bergey Windpower. In 1987, he became president of the organization. Mike was educated as an engineer, but he has an unusual ability to represent his company and the industry in arenas that are far from the engineering world, including energy policy and export promotion. He has twice served as president of the American Wind Energy Association and has served on the AWEA board since 1981. He also served as chairman of AWEA's Small Turbine Committee, AWEA's Export Committee, and the U.S. Export Committee for Renewable Energy. In 1994, he was honored as AWEA's Wind Industry Man of the Year."

- Randy Swisher, American Wind Energy Association

Mike Bergey, president and CEO of Bergey Windpower Company, Norman, Oklahoma (PIX11954)





October 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
September 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	November 2003 S M T W T F S		1 Energy Awareness Month	2	3	4
5	6 Yom Kippur	7	8	9	10	11
12 Columbus Day	Columbus Day Observed	14	15	16	17	18
19	20	21 Energy International Wi	22 ind Power Workshop, G	23 uemes Island, Washing	24 ton, www.solarenergy.o	25 rg/windpowr.html
26	27	28	29	30	31	
Daylight Saving Time Ends					Halloween	

Wind Power Pioneer

"Jim Dehlsen played a central role in transforming the fledgling wind industry into a multibillion-dollar commercial enterprise. As founder of Zond Energy (now GE Wind, the largest U.S. wind turbine manufacturer), Jim's innovative approach to reducing the cost of wind energy through advances in development techniques, finance, and technology has been key to making wind the fastest growing source of energy in the world. Today, Jim is still involved in ventures to promote and further reduce the cost of wind and other renewable technologies."

- Kevin Rackstraw, Clipper Windpower





November 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
October 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	December 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2	3	4 Election Day	5	6	7	8
9	10	11 Veterans Day	12	13	14	15—16— Home-Scale Wind Workshop Appalachian State University, Boone, North Carolina 828-262-6358 www.seeorg.org
16	17	18	19	20	21	22
16–19 — 115 NAF	RUC Annual Convention www.naruc.org/Me	, , Atlanta Marriott Marqu etings/index.shtml	is, Atlanta, Georgia			
16–20 — Nasuca An	nual Meeting, Sheraton	•				
23	24	25	26	27	28	29
30						
				Thanksgiving Day		

Wind Power Pioneer

"Rudd Mayer helped pioneer the field of wind energy marketing. Her commitment, passion, and joy for her work inspired utilities, regulators, businesses, nonprofits, and ordinary citizens to share her vision and to embrace wind energy. Her wind energy marketing and other related work led to 250 MW of new wind energy facilities coming online to meet Colorado's energy demands—an investment of a quarter of a billion dollars. Because of Rudd and a few others like her, Colorado is now on a path toward a cleaner energy future. Rudd was an extraordinary person who touched virtually everyone she came in contact with, often in deeply personal ways. On August 13, 2002, Rudd's great heart failed. She is missed greatly."

- Eric Blank, Community Energy, Inc.

Rudd Mayer, green marketing program director at Land & Water Fund of the Rockies, Boulder, Colorado





December 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7 Pearl Harbor Day	8	9	10	11	12	13
14	15	16	17	18	19	20 Hanukkah
21	22	23	24	25 Christmas Day	26	27
28	29	30	31		November 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	January 2004 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Wind Power Pioneer

"As a wind-industry executive in the late 1980s and early 1990s, Dale Osborn led the U.S. wind industry's transition from a group of small firms charting new ground to the maturing industry it is today. During that period, he also led his company in a joint, industry-utility development program for a new generation of wind turbine technology employing power-electronic variable speed. This program was instrumental in maintaining momentum for the industry during a difficult period for wind in the United States and resulted in technology that is central to many of today's competitive wind turbines. Dale also consummated the deal for the first commercial-scale U.S. wind plant outside of California, in Lake Benton, Minnesota, and he continues to develop new commercial wind plants today."

— Ed DeMeo, Renewable Energy Consulting Services Inc.

Dale Osborn, DISGEN Corp., Evergreen, Colorado (PIX11971)





January 2004

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December 2003 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	February 2004 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29			New Year's Day	2	3
4	5-8 — 23rd Ann www.sa	6 ual ASME Wind Energy ndia.gov/Renewable_Er	7 Symposium, Reno Hilt nergy/wind_energy/aiaac	8	9	10
11	12	13	14	15	16	17
18	19 Martin Luther King, Jr. Day	20	21	22	23	24
25	26	27	28	29	30	31

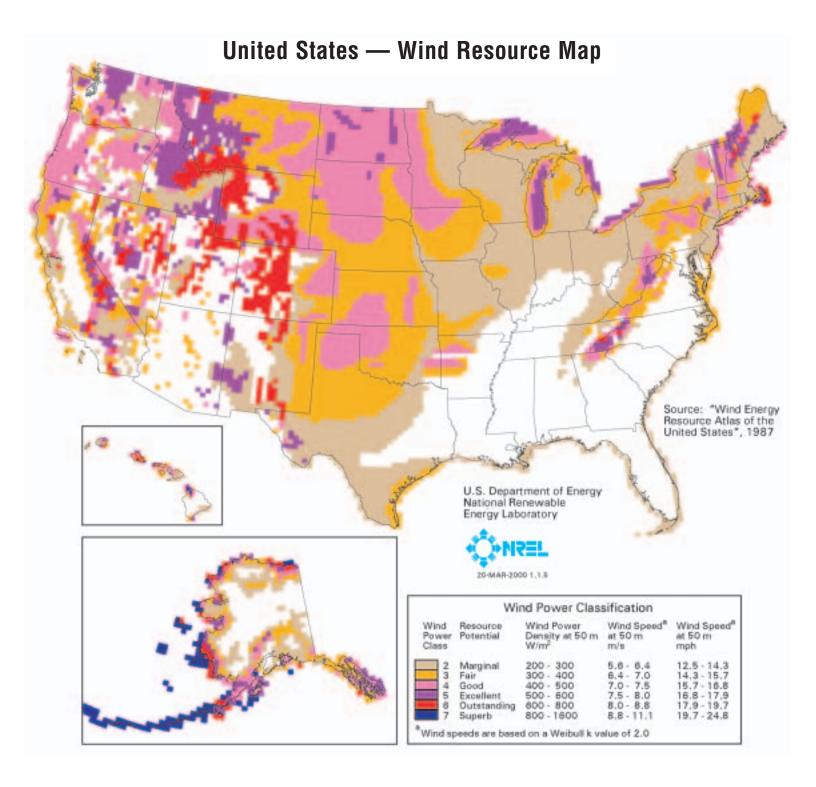
Wind Power Pioneer

"Ed DeMeo has been a champion of renewable energy since the late 1970s. At the Electric Power Research Institute, he provided a bridge from the Department of Energy Wind Program to the electric utility companies in the United States. In this role, he promoted the early testing and deployment of new advanced wind turbine designs in order for utilities to gain valuable experience with this new technology. Ed's most notable accomplishment was providing leadership for the EPRI-DOE turbine verification program, which tested small wind farms in the utility operating environment so that utilities could gain valuable economic and operating experience with this new clean energy source."

- Robert Thresher, National Wind Technology Center

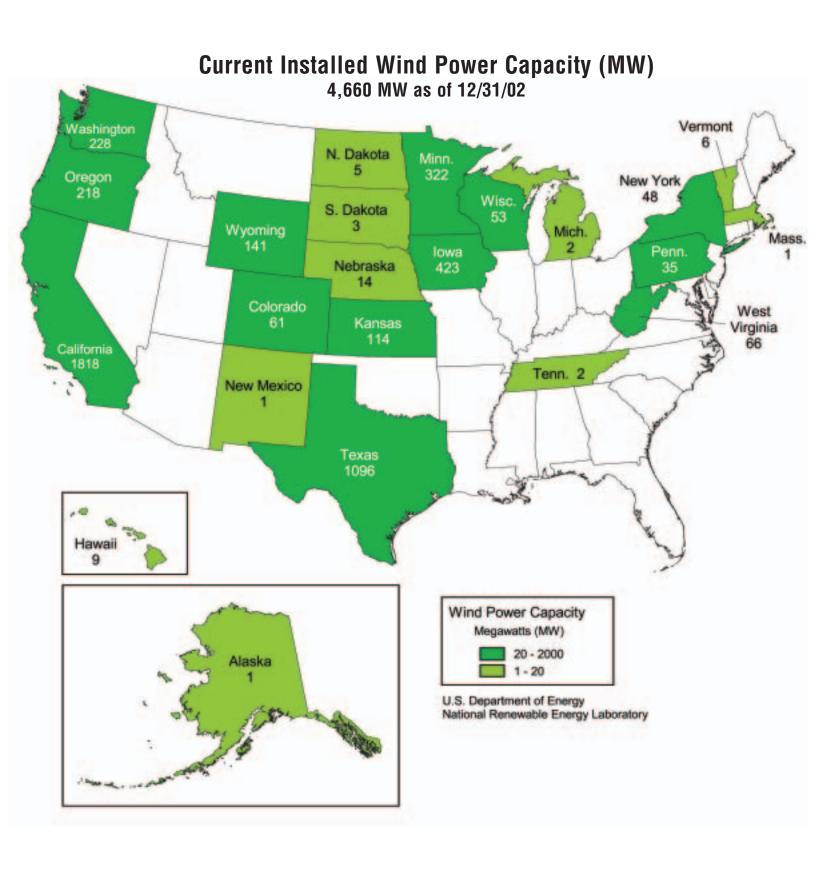
Ed DeMeo, president, Renewable Energy Consulting Services Inc., Palo Alto, California (PIX12151)





United States Wind Resource Map

The U.S. Department of Energy sponsored the development of a classification system to characterize wind resources. The system is based on wind power density and ranges from class 1 (the lowest) to class 7 (the highest). Good wind resource areas (class 4 and above) generally have an average annual wind speed greater than 15 miles per hour at the wind turbine hub-height and are suitable for grid-connected, large wind turbines. Class 2 and 3 wind resources are suitable for small turbine applications such as water pumping and providing supplemental power to residences and small businesses. Wind speed is a critical feature of the wind resource because the available energy in the wind is proportional to the cube of the wind speed. In other words, an increase in annual average wind speed as small as 1 mile per hour can increase the available wind energy by 30%.







U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy
Wind and Hydropower Technologies
Forrestal Building
1000 Independence Avenue, S.W.
Washington, DC 20585
202-586-5348
www.eren.doe.gov/wind

Energy efficiency, energy security, and America's future. . .

Energy efficiency and clean, renewable energy mean a stronger economy, a cleaner environment, and a more secure energy future for America. Through partnerships with states, communities, and industry, DOE's Office of Energy Efficiency and Renewable Energy (EERE) advances the development and use of innovative energy technologies.

For more information about wind energy, contact:

National Renewable
Energy Laboratory
National Wind Technology Center

National Wind Technology Cente 1617 Cole Boulevard Golden, CO 80401 303-384-6979 www.nrel.gov/wind American Wind Energy Association

122 C Street, N.W. 4th Floor Washington, DC 20001 202-383-2500 www.awea.org National Wind Coordinating Committee, c/o Resolve

1255 23rd Street, N.W. Suite 275 Washington, DC 20037 888-764-WIND 202-965-6398 fax: 202-338-1264 www.nationalwind.org Utility Wind Interest Group 2111 Wilson Blvd. Suite 323 Arlington, VA 22201-3001 703-351-4492 www.uwig.org

U.S. Department of Energy Regional Offices www.eren.doe.gov/rso.html

Atlanta Regional Office

Dwight Bailey 75 Spring Street, S.W. Suite 200 Atlanta, GA 30303-3308 404-562-0555 www.eren.doe.gov/aro/

Boston Regional Office

Richard Michaud JFK Federal Building, Suite 675 Boston, MA 02203 617-565-9700 www.eren.doe.gov/bro/

Chicago Regional Office

William Hui One South Wacker Drive Suite 2380 Chicago, IL 60606-4616 312-353-6749 www.eren.doe.gov/cro/ States in Region

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Maryanne Daniel The Wanamaker Building 100 Penn Square East, Suite 890 Philadelphia, PA 19107-3396 215-656-6950 www.eren.doe.gov/pro/

Seattle Regional Office

Curtis Framel 800 Fifth Avenue, Suite 3950 Seattle, WA 98104-3122 206-553-1132 www.eren.doe.gov/sro/ States in Region

Colorado, Kansas, Louisiana, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah, Wyoming

Delaware, Washington, D.C., Maryland, New Jersey, Pennsylvania, Virginia, West Virginia

Alaska, Arizona, California, Hawaii, Idaho, Nevada, Oregon, Washington, American Samoa, Guam, Palau, North Marianas

Produced for the U.S. Department of Energy by the National Renewable Energy Laboratory, a DOE national laboratory

DOE/GO-102002-1668 Revised January 2003



Cover

Location: King Mountain Wind Ranch, Upton County, Texas Turbine Size: 1,300 kW Turbine Manufacturer: Bonus

Developer: Cielo Wind Power and Renewable Energy Systems Inc. Capacity: 278 MW

Photo credit: Cielo Wind Power/PIX10560



January

Location: Carbon County, Wyoming Turbine Size: 1 MW Turbine Manufacturer: Mitsubishi Developer/owner: SeaWest WindPower/Shell Renewables Capacity: 50 MW



February

Location: Minot, North Dakota Turbine Size: 1.3 MW Turbine Manufacturer: Nordex Developer/owner: Central Electric Power/Basin Electric Power Capacity: 2.6 MW



March

Location: Tucker County, West Virginia Turbine Size: 1.5 MW Turbine Manufacturer: NEG Micon Developer/owner: Atlantic Renewable Energy Corp./ FPL Energy Capacity: 66 MW



April

Location: Kimball, Nebraska Turbine Size: 1.5 MW Turbine Manufacturer: NEG Micon Developer/owner:

Municipal Energy Association of Nebraska (MEAN)/TVIG

Capacity: 10.5 MW



May

Location: Hull, Massachusetts Turbine Size: 660kW Turbine Manufacturer: Vestas Developer/owner: Hull Municipal Lighting Plant Capacity: .66 MW



June

Location: Worthington, Minnesota Turbine Size: 900 kW Turbine Manufacturer: NEG Micon

Developer/owner: Missouri River Energy Services/Wisconsin Public Power Inc./Worthington Municipal Utility Capacity: 3.6 MW



July

Location: Calverton, New York Turbine Size: 50 kW Turbine Manufacturer: Atlantic Orient Corp. Developer/owner: Long Island Power Authority

Capacity: 0.050 MW



August

Location: Klondike, Oregon Turbine Size: 1.5 MW Turbine Manufacturer: GE Wind Energy Developer/owner: Northwest Wind Power Capacity: 24 MW



September

Location: Webster, New York

Turbine Size: 10 kW Turbine Manufacturer: Bergey

Application: Residential grid-connected



October

Location: Fenner, New York Turbine Size: 1.5 MW Turbine Manufacturer: **GE Wind Energy** Developer/owner: Atlantic Renewable Energy Corp./CHI Energy Inc. Capacity: 30 MW



November

Location: White Deer, Texas Turbine Size: 1 MW Turbine Manufacturer: Mitsubishi Developer/owner: Cielo Wind Power Capacity: 80 MW



December

Location: Saint Paul Island, Alaska Turbine Size: 225 kW Turbine Manufacturer: Vestas Developer/owner: Northern Power Systems/ TDX Corp.

Capacity: 0.225 MW