

new north wind energy





Table of Contents

Introduction.....	3
Wind Energy Supplier Availability.....	4
Examples of Current New North-based Wind Supplier Companies.....	5
Potential Wind Component Manufacturers – Sample List	6
Research and Development	7
Supportive Training and Recruiting Programs	8
Logistical Advantages	9
Port Access & Brokers/Freight Forwarders	9
Highways.....	9
Rail	10
Market Conditions.....	11
New North Regional Advantages – Wind Market Access	11
State of Wisconsin Advantages	13
Electric Structure.....	14
Local/Regional Wind Supporting Organizations	15
Availability of Buildings and Development Sites	15
Doing Business in New North.....	15

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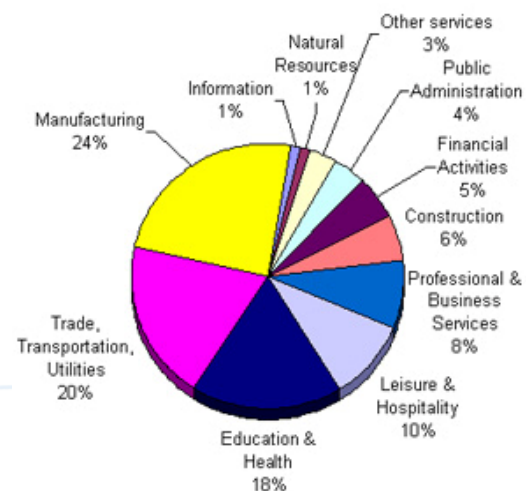
Introduction

Look to the New North (the eighteen counties of northeast Wisconsin) to provide the manufacturing elements necessary for the growing wind energy industry.

No other region in the Midwest offers the unique combination of advantages available here, including superior supplier potential built upon a one hundred year old manufacturing tradition, an expanding economy, access to some of the nation's best wind resources, strong existing markets and excellent workforce and transportation assets.

Roughly 24% of jobs within the New North are manufacturing jobs, the second highest concentration in the United States. With an economy historically concentrated on paper products – represented by such firms as Proctor and Gamble, Georgia Pacific, Kimberly Clark, Great Northern, NewPage, and SCA – and complemented by other process or engineered product development such as Oshkosh Truck, Manitowoc Engineering, and ThyssenKrupp, this is a region that produces highly sophisticated, design-built, engineered products.

Number of employees by industry



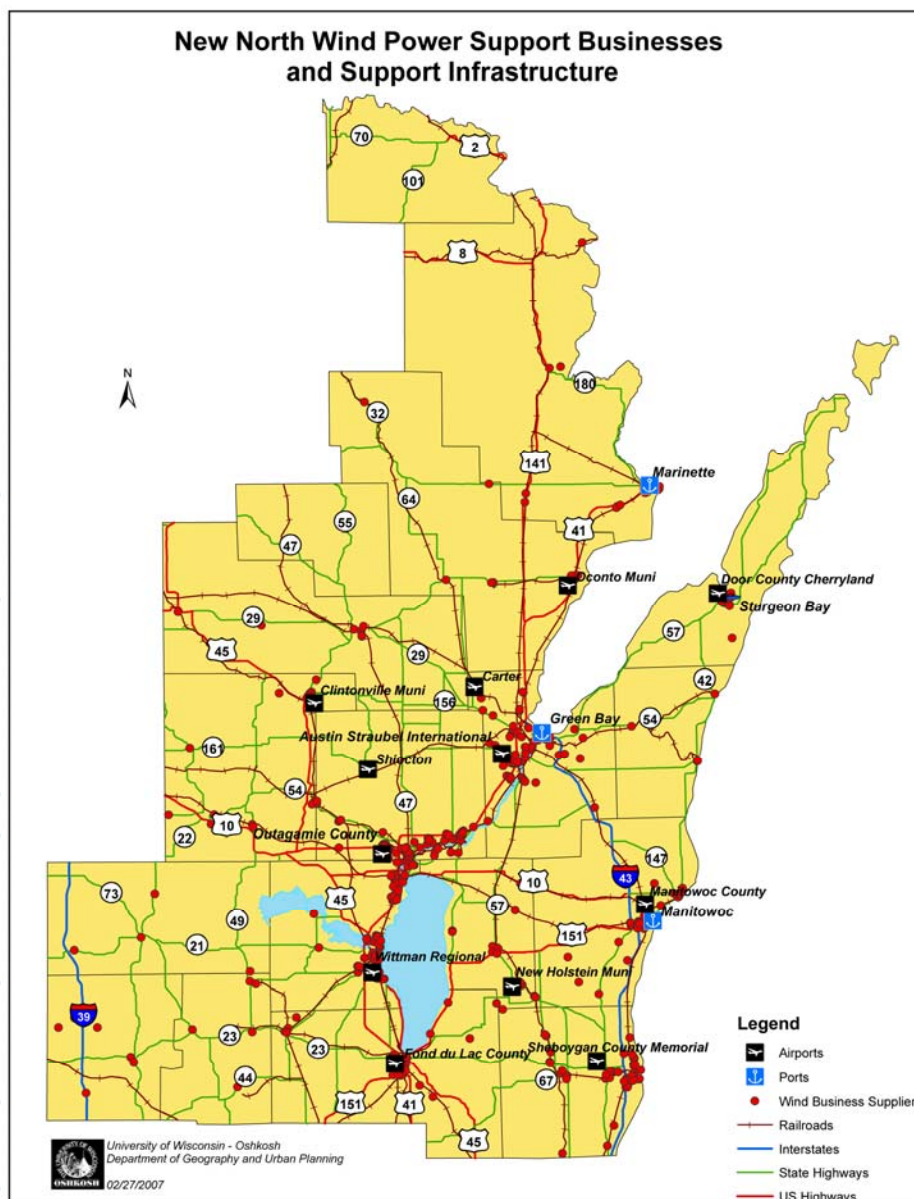
The region's economy remains strong as it changes from a paper-dominated economy to a much more diverse economy. The paper industry served to concentrate a strong engineering bias in terms of workforce demand, supplier/vendor capacities that are also biased to engineered solutions, and an infrastructure that is focused on strong logistic capacities. More than 179,000 jobs have been created in Wisconsin since January 2003, including nearly 75,000 high-paying professional service jobs and thousands of manufacturing jobs. According to U.S. Bureau of Labor Statistics, other heavy manufacturing states have been losing manufacturing jobs between January 2003 and June 2006.

New North Labor Availability and Existing Competencies

- Labor market of roughly 750,000 workers.
- Market dominated by a long standing tradition of manufacturing and a strong work ethic.
- 24% of total existing positions are manufacturing positions with existing competencies in machining, composites fabrication, heavy welding, component assembly, etc.
- Highly skilled design/build skill sets within the labor market are reflected in industries that convert wood-based fibers, metal, and agriculture products for value-added production and distribution to domestic and world markets.

Wind Energy Supplier Availability

Over one hundred resident regional industries (vendor-suppliers) possess the production capacity to meet the needs of all component products required of wind energy industries. On a statewide basis, the number of vendor-suppliers increases to 500+. Of particular note are the gear box, casting and rotor blade specialty manufacturers already available in the New North: equipment typically known to constrain wind turbine development.





Examples of Current New North-based Wind Supplier Companies

Company	Description
Aarrowcast, Inc.	Producer of grey and ductile iron castings up to 3000 lbs. for highly engineered applications. Tooling, painting, machining and assembly may be supplied or coordinated.
Badger Transport	Logistics and shipping – has been involved with transportation of wind products since 1998 and can transport all components of a wind turbine, including towers, nacelles and 50 meter blades. Authority in all 48 states and all provinces of Canada.
Giddings & Lewis Machine Tools, LLC	A Fond du Lac company with 350 employees offering large capacity machine tools to produce machined parts and gears.
Lindquist Machine Corporation	Complete turn-key machine building services including machine (small and large), fabrication, paint, and assembly (mechanical, electrical, pneumatic, and hydraulic). Machine rebuild services also available.
Machine Building Specialists, LLC	Technical solutions for wind turbine generator manufacturing and O&M aftermarket support including: gearbox remediation and rebuilding services and assessment; lubrication system evaluation, warranty administration and remediation projects, site administration, strategic supplier development, and equipment certification and testing.
Manitowoc Crane	Construction machinery manufacturing
Michels Wind Energy	Civil, structural and electrical engineering; foundation installations, WTG erections, collection system design/installation, Control building design/installation, underground and overhead transmission, substations, distributions, fiber optics; survey, easement and right of way services.
Mid-States Aluminum Corp.	Extrude, cut, machine, anodize, assemble and pack aluminum for bow low and high volume products.
Miron Construction	Neenah company with over 1200 employees offering self-perform millwright, carpenter and ironworker services as well as services that include foundations, erection, and equipment setting.
Oscar J. Boldt Construction	An Appleton firm with 1800-2300 employees and a \$700 million volume provides project development, design and construction related services. Currently has over 800 MW of wind turbine construction under contract.
Shuttlelift Inc.	Manufactures rubber tired gantry cranes, including custom solutions for the manufacturers of wind tower bases, nacelles and blades.
Tower Tech	Fabricated structural metal for wind towers.
Wausaukee Composites	A Wausaukee company with 500 employees that produces highly engineered composite plastic and fiberglass components for OEM customers, including nacelles, blade hubs and nosecones for the wind industry.

Potential Wind Component Manufacturers – Sample List

The following list is a sampling of New North manufacturers capable of supporting the wind turbine industry:

- Brillion Iron Works, a Brillion iron foundry with 1,000 employees and \$72.7 million in annual sales that could manufacture metal components in wind turbines.
- ThyssenKrupp Waupaca, with three sites in Waupaca and one in Marinette, is an iron foundry with 3,677 employees and \$298.5 million in annual sales that could manufacture metal components of wind turbines. They produce gray, ductile and compacted graphite iron castings for a wide variety of markets.
- W.W. Electric Motors, Inc., sells and repairs electric motors, electronic controls, generators, pumps, ventilation equipment, and related items. It offers vibration analysis and troubleshooting along with trained service technicians.
- Cardinal Environmental, a provider of environmental, health and safety (EH&S) Services. Such as Certified Industrial Hygienists (CIH), Institute of Electrical and Electronics Engineers (IEEE) registered professional, ISO 14000/OHSAs 18000 Auditors, Safety trainers, chemists, and biologists.
- N.E.W. Industries, Inc., a producer of CNC production machined parts and machined weldments. Capable of producing such wind technology parts as shafts, pins, bushings, rollers, armatures, flanges, and housings.
- Just in Time Corporation, a supplier of custom manufactured components to OEMs, including metal and plastic products, wire and cable.



Image courtesy of Shuttlelift, Inc.

Research and Development

The state of Wisconsin is dedicated to superior educational resources and research capabilities. The Technology Development Fund makes grants in support of university and industry R & D for new products and processes. Furthermore, **the University of Wisconsin receives more research and development money than any other public university in the country, and no public institution – anywhere – spends as much on transfer of applicable technology to private industry.**¹

On January 8, 2008, Governor Jim Doyle announced a plan to help create jobs and grow the state's economy by increasing investment in research and development. The plan, called *Innovate Wisconsin*, offers incentives for private businesses to focus on future breakthroughs.

“When it comes to research and development, our manufacturers are competing at the high end and already have a clear advantage over competitors around the country and the world,” Governor Doyle said. “To continue to stay ahead of the competition, Wisconsin’s manufacturers must invest more in research and development to improve existing products and develop new ones. Wisconsin has become a world-renowned center for research, particularly in the public sector. The next phase of Grow Wisconsin will do more to foster research in the private sector as well.”

The *Innovate Wisconsin* plan will increase the state's focus on research and development by:

- **Providing new Innovate tax credits** – Companies that increase spending on research and development by 25 percent over their three-year average will receive a \$1 tax credit for every \$1 spent above this threshold. The tax credit a company can claim through this initiative is capped at 50 percent of its tax liability.
- **Sales tax exemption for research and development equipment** – The sales tax exemption that applies to machines and equipment used in manufacturing will be extended to cover equipment used in research and development.
- **Property tax exemption** – The equipment used in research and development will also be exempt from property taxes.²

¹ Forward Wisconsin, Business Advantages, <http://www.forwardwi.com/category36/Business-Advantages> (accessed February 2008).

² Wisconsin Office of the Governor, Media Room, “Governor Doyle Launches Innovate Wisconsin New Tax Credits and Exemptions to Leverage Investment in Research and Development,” http://www.wisgov.state.wi.us/journal_media_detail.asp?locid=19&prid=3081 (accessed February 2008).

Supportive Training and Recruiting Programs

Workforce training is a focal point of the region's four technical colleges. All are actively engaged in working partnerships with business and industry in designing and executing customized labor solutions.

- Lakeshore Technical College's Electro-Mechanical Wind System Technician Program is aimed specifically at the wind energy industry. This program, along with the college's commitment to creating innovative approaches to meeting the labor needs of the wind energy industry, resulted in the Interstate Renewable Energy Commission recognizing it in 2005 with its Innovation Award.
- The University of Wisconsin offers Engineering and Technology R & D Services to businesses in a number of disciplines that use wind turbine technology. Examples of services include power-train control, mechanical design, experimental mechanics and mechanical control, structural dynamic, and wind tunnel testing.



Image courtesy of Lakeshore Technical College

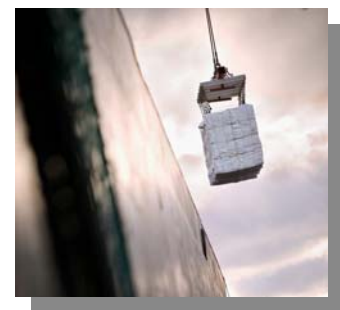
- Customized recruiting, screening, and training packages available through New North regional workforce development boards.
- Technical colleges in the region have very active manufacturing-related programs that have strong enrollments. The region's 20 post secondary institutions produce 10,000 post secondary degrees/certificates/program completions per year. Given annual graduates and with current unemployment for the region running in the 5% range, the region provides for an existing labor market of roughly 40,000 to 50,000.

Logistical Advantages

The New North, as well as the state of Wisconsin, boasts a strong infrastructure capable of efficiently moving materials to and from local factories. For large products such as wind turbines, Great Lakes transport is the preferred transport method. The New North offers four commercial ports on Lake Michigan which then has access to the St. Lawrence Seaway.

Port Access & Brokers/Freight Forwarders

In 2003, The Port of Green Bay shipped almost two million metric tons of cargo and posted a 100% increase over the previous year in international freight shipped through the St. Lawrence Seaway. Posting a dramatic increase in international tonnage has earned the Port of Green Bay and its K & K Warehousing Inc. terminal the prestigious Robert J. Lewis Pacesetter Award given by the St. Lawrence Seaway Development Corporation.



Customs House Brokers/Freight Forwarders serving the Port of Green Bay:

Etters International, Green Bay
 International Consulting & Services, Green Bay
 M.E. Dey & Company, Inc., Milwaukee
 Hellman International Forwarders, Milwaukee

Additional ports are available in Sturgeon Bay, Marinette, and Manitowoc.

Highways

The New North includes over 29,000 miles of toll-free, well-maintained roads that connect to an additional 80,000 miles of roads in Wisconsin outside of the region. Less congested than the national average, our highways ensure greater reliability for just-in-time deliveries. Wisconsin is also a leader in providing a competitive trucking climate, encouraging the use of high-productivity 53-foot trailers.

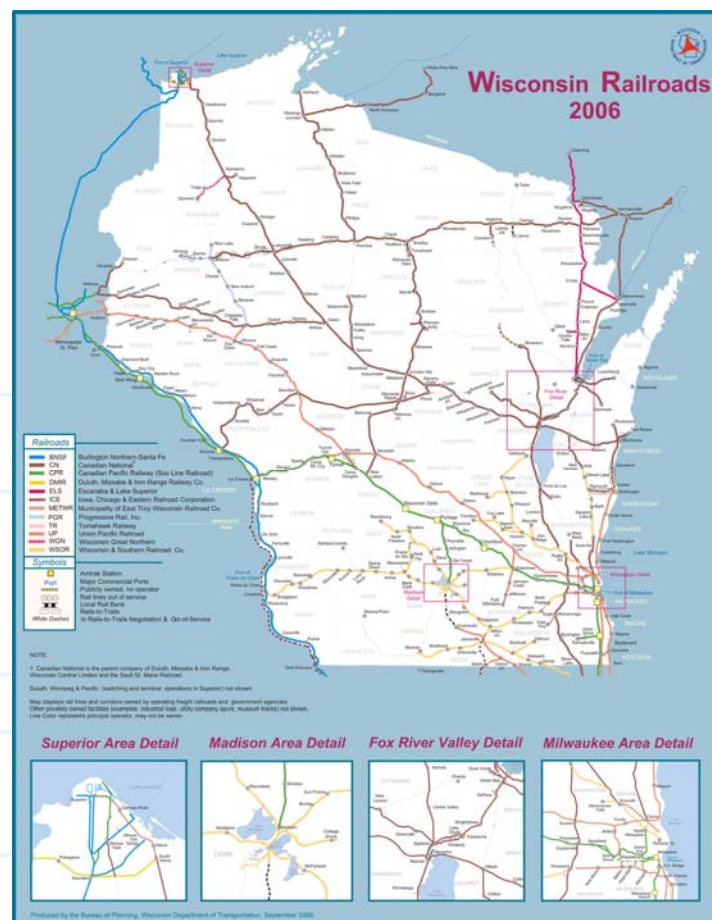
Wisconsin roads are very minimally affected by adverse weather. Only 170 miles—less than 2% — of state highways have restricted weight limits during the springtime freezing and thawing period, all of which lie outside the New North region. About 12% of Wisconsin state roads are considered Class II roads, and almost none of these roads are within the New North. All overweight permitted vehicles exceeding the legal axle weights or 80,000 lbs. are suspended from these roads during springtime freezing and thawing. These limits are in place for approximately six weeks out of the year.³

³ Wisconsin Department of Transportation Travel Information, Weight Restriction Programs, <http://www.dot.wisconsin.gov/travel/truck/weightrestrictions.htm> (accessed February 2008).

Our efficient highway system produces remarkably short commute times. The average commute in the New North is 18.8 minutes in comparison to a 25.5 minute average for the United States. More than 82% of commuters travel less than 30 minutes in the New North, compared to 65% nationally.

Rail

Wisconsin's freight rail network consists of approximately 3,600 miles of track which is now served by four Class I railroads, three regional railroads, and four local railroads. These companies primarily transport heavy bulk cargoes, such as coal, paper and pulp, lumber, food and farm products, and non-metallic minerals, providing our manufacturing base the materials they need at a competitive price. 136 million tons of cargo are shipped by rail every year in Wisconsin.⁴



⁴ TDA's Transportation Strategic Report, page 18; Wisconsin Department of Transportation, "Transportation at a Glance," <http://www.dot.wisconsin.gov/about/glance.htm> (accessed Feb 2008).

Market Conditions

Wisconsin is uniquely situated geographically. Through a combination of very strong onshore wind energy potential in the adjacent and nearby states, excellent access to offshore wind energy potential in the Great Lakes, existing and developing regional Renewable Portfolio Standards, state incentive programs, and access to Canadian markets all combine to make Wisconsin an ideal central location for wind turbine and component manufacturing.

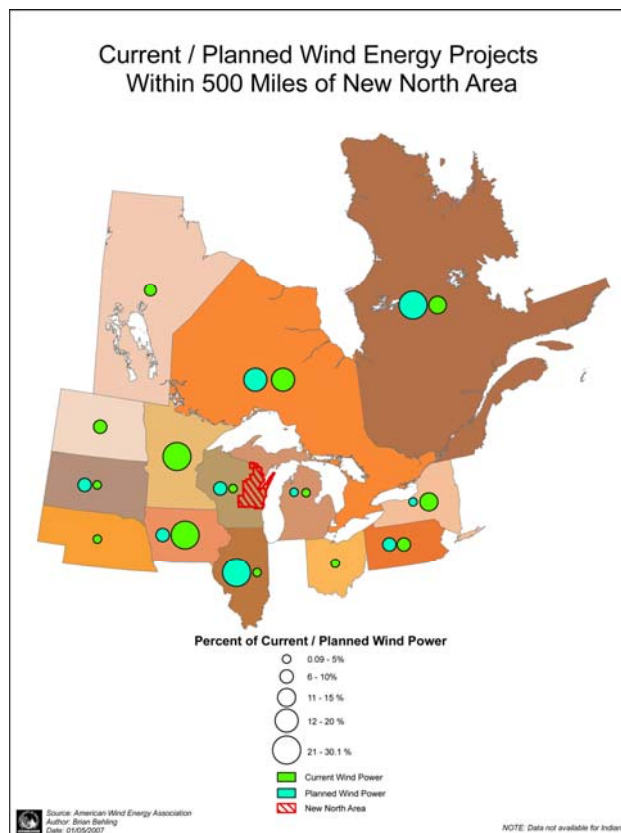
New North Regional Advantages – Wind Market Access

- **Easy and centralized access to wind markets** throughout the Great Lakes region, Canadian wind regions, and the upper Great Plains region. A wind energy manufacturing facility located in the New North would be well within a 500 mile radius of all Midwest states and Canadian wind fields. (See Tables 1 and 2 and the end of this packet.)
- **Nearly all of Wisconsin’s existing and in-construction wind projects are located in the New North**
 - Projects totaling 370 MW are currently under construction and slated for completion in 2008 in Wisconsin, including:
 - The state’s largest wind power plant – the Blue Sky Green Field Project, which will consist of 88 turbines and produce an estimated 200 MW – is under construction in the New North county of Fond du Lac.
 - The 68 MW Cedar Ridge Wind Farm, also in Fond du Lac county.
 - The 99 MW Forward Energy Wind Farm in Fond du Lac and Dodge counties.
 - Further projects are actively being sought by Wisconsin utilities:
 - We Energies has issued a request for proposals for up to 200 MW of wind energy in the fall of 2007.⁵
 - Wisconsin companies are active in the consumption of renewable energy through the Energy for Tomorrow green power program. “Neenah Paper and GE Healthcare have been very involved – almost leapfrogging each other in terms of being the biggest purchaser of renewable power.”⁶

⁵ Jennifer Delony, “Wisconsin Puts Iron in the Ground,” *AWEA Windpower*, Volume 5, Number 1, February 2008, page 12.

⁶ *Ibid*, page 14.

- **Adjacent to major growing wind markets:**⁷
 - Minnesota is one of three states contributing to over half of the wind power capacity in the U.S.
 - Minnesota (25%), Pennsylvania (18%) and New York (24%) have some of the most stringent phased-in RPS goals in the country.
 - Illinois will exhibit one of the fastest growth rates through 2010 in wind power capacity and has a goal of 25% by 2025.
 - Ohio is expected to reintroduce a bill in 2008 that will set a 20% RPS.



- **Adjacent to major wind suppliers** – Within 500 miles of New North is nearly 8,500MW of existing/planned development, four of the largest independent wind power producers with a fifth one announced in Illinois, and leading wind turbine manufacturers Suzlon and Clipper. (See next page for map.)

⁷ Federal Energy Regulatory Commission, “2007 Review of Renewable Energy Portfolio Standards,” <http://www.ferc.gov/market-oversight/mkt-electric/overview/elec-ovr-rps.pdf> (accessed February 2008).

State of Wisconsin Advantages

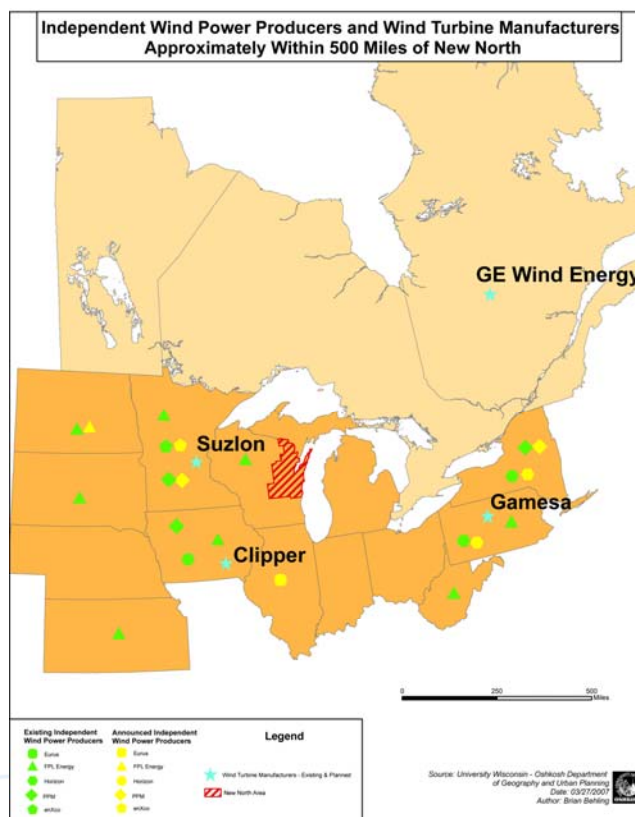
- Ranked 4th among states for new job creation associated with the wind manufacturing industry.
- Ranked 6th for potential investment associated with the wind manufacturing industry.
- Ranked 18th among states in wind energy potential.
- An onshore potential of over 6,300 MW and an offshore (Great Lakes) potential of 4,300 MW in areas with average annual wind speeds of over 14.5 miles per hour and assuming a wind density of 5 MW per square kilometer.

Wisconsin's Governor Doyle has been instrumental in promoting energy efficiency and renewable energy sources via the creation of a state task force on energy efficiency and renewables:

- The 2005 Wisconsin Act 141 sets a RPS at 10% renewables by 2015, nearly all of which is expected to be produced by wind.⁸
- The Task Force on Global Warming has recommended increasing the RPS to 25% renewables by 2025.

Further indication of Wisconsin's potential as a player in the wind market is the support received from the Public Service Commission of Wisconsin as well as the U.S. Department of Energy and the National Renewable Energy Laboratory:

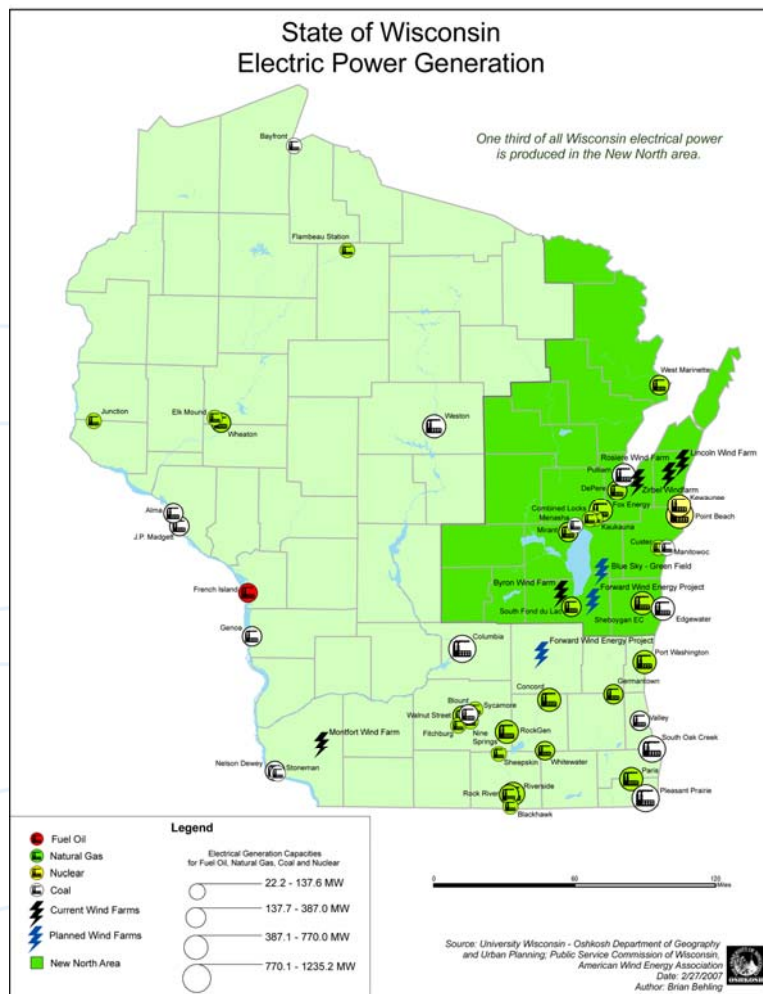
- Since 2003, the Public Service Commission of Wisconsin has approved more than 400 MW of wind generation projects
- The U.S. Department of Energy and the National Renewable Energy Laboratory identified Wisconsin as the leading state in the U.S. in the development of small wind energy (less than 100 KW).



⁸ Union of Concerned Scientists, "Increasing Wisconsin's Renewable Portfolio Standard: Creating Jobs and Stabilizing Energy Bills," http://www.ucsusa.org/clean_energy/clean_energy_policies/increase-wisconsin-rps.html (accessed February, 2008).

Electric Structure

Assurance of Reliable Electricity for Wind Manufacturing Operations: One-third of all Wisconsin electrical power is produced in the New North and is supplied by a mix of fuels. According to the Public Service Commission of Wisconsin's latest Strategic Energy Assessment, Wisconsin has added more than 4,500 MW of natural gas-fired generation since 1997. Over the same period, the PSCW approved 1,300 miles in new high-voltage transmission. Since 2003, the PSCW approved nearly 2,000 MW of coal-powered baseload generation in addition to 400 MW of wind generation. The three key electric utilities of Alliant, We Energies and Wisconsin Public Service, in addition to several cooperative energy providers, fulfill the New North's electric energy needs.



Local/Regional Wind Supporting Organizations

- New North Wind Advisory Group – consisting of advisors from wind-related manufacturing and transporter organizations, power utilities, and wind industry consultants
- RENEW Wisconsin
- The Apollo Alliance
- Center on Wisconsin Strategy

Availability of Buildings and Development Sites

Given specific site requirements or facility features, a comprehensive site search can be completed within 48 hours.

Doing Business in New North

We facilitate customized financing support, including:

- Unique lease/build options for facilities
- Liaison with Wisconsin State Energy Companies
- Connection with Wisconsin Research Resources
- Assistance with due diligence facility site selection
- Technology Tax Credit
- Low cost loans/revenue bonds
- Grants for labor training
- Site selection services

Direct assistance can be obtained by contacting:

Jerry Murphy
Executive Director of New North, Inc.
920.336.3860
jmurphy@thenewnorth.com

States/Provinces with Renewable Portfolio Standards within 500 Miles of the New North

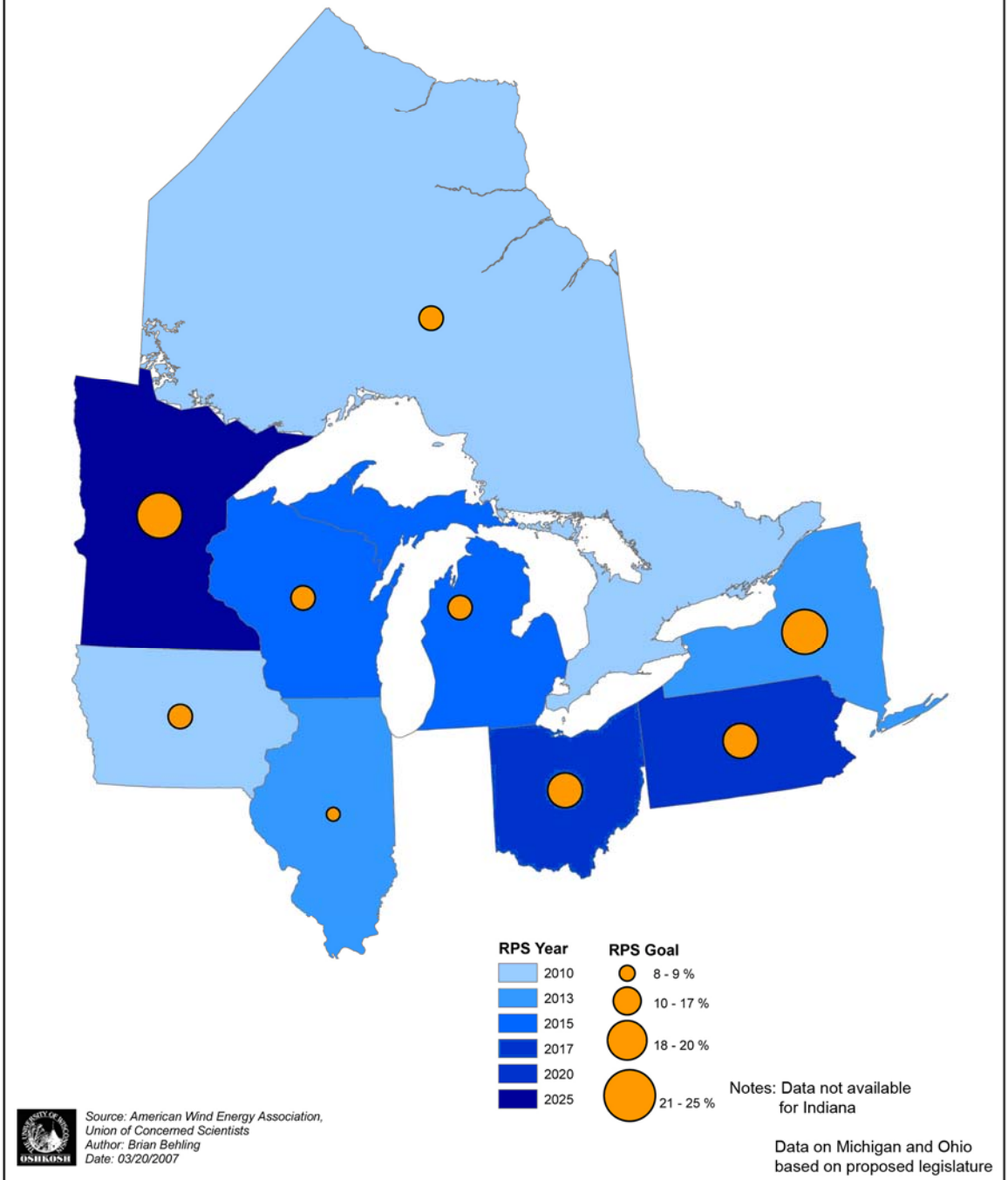


Table 1: US & Canadian Wind Farms 10 MW and Greater Within 500 Mile Radius of New North

State	County	Site Name	Installed	MW	Manufacturer	Turbine Size	Number	Owner	Pwr Pchtr
Illinois	Lee County	Mendota Hills	2003	50.40 Gamesa		0.80	63	Navitas Energy	ComEd
Illinois	Bureau County	Crescent Ridge	2005	54.50 Vestas		1.65	33	Babcock & Brown and Eurus	ComEd
Iowa	Cerro Gordo	Clear Lake	1999	42.00 NEG Micon		1.65	25	FP&L Energy	Alliant Energy
Iowa	Buena Vista & Cherokee	Storm Lake II	1999	80.25 Enron		0.75	107	GE Wind	Alliant Energy
Iowa	Buena Vista & Cherokee	Storm Lake I	1999	112.50 Enron		0.75	150	Edison Capital	MidAmerica
Iowa	Worth	Worth County	2001	80.10 NEG Micon		1.65	80	Entergy	Alliant Energy
Iowa	Hancock	Hancock County Wind Farm	2002	97.68 Vestas		0.66	148	FP&L Energy	Alliant Energy
Iowa	Dickinson	Flying Cloud	2003	43.50 GE		1.50	29	PPM Energy	Alliant Energy
Iowa	Buena Vista & Sac	Intrepid	2004	159.00 GE		1.50	106	MidAmerica/Clipper Wind	MidAmerica
Iowa	Wright & Hamilton	Century Wind Project Expansion	2005	35.00 Mitsubishi		1.00	35	MidAmerican/Mortenson	MidAmerica
Iowa	Wright & Hamilton	Century Wind Project	2005	150.00 GE		1.50	100	MidAmerica/Enxco	MidAmerica
Michigan				3.00					
Minnesota	Lincoln	Buffalo Ridge	1994	25.00 Kenetech		0.34	73	Kenetch Windpower	Xcel Energy
Minnesota	Lincoln	Lake Benton - I	1998	107.25 Enron		0.75	143	GE Wind	Xcel Energy
Minnesota	Pipestone	Woodstock	1999	10.20 Vestas		0.60	17	Edison Capital	Xcel Energy
Minnesota	Lincoln	Lakota Ridge	1999	11.25 NEG Micon		0.75	15	NAE/Edison	Xcel Energy
Minnesota	Lincoln	Shaokatan Hills	1999	11.88 Vestas		0.66	18	NAE/Edison	Xcel Energy
Minnesota	Pipestone	Lake Benton - II	1999	103.50 Enron		0.75	138	FP&L Energy	Xcel Energy
Minnesota	Lincoln	North Shaokatan Wind Farm	2000	11.88 Vestas		0.66	16	NAE/Enel North America	Xcel Energy
Minnesota	Pipestone	Ruthon Wind Farm	2001	15.84 Vestas		0.66	24	NAE/Enel North America	Xcel Energy
Minnesota	Dodge	McNeilus	2003	22.80 NEG Micon		0.95	24	Garwin/McNeilus	Xcel Energy
Minnesota	Rock	Farmers Coops	2003	22.80 Suzlon Energy		2.85	8	Farmers	Xcel Energy
Minnesota	Pipestone	Moraine Wind Power Project	2003	51.00 GE		1.50	34	PPM Energy	Xcel Energy
Minnesota	Murray	Chanarambie	2003	85.50 GE		1.50	57	Enxco	Xcel Energy
Minnesota	Pipestone	McNeilus	2004	9.90 Vestas		1.65	6	Garwin/McNeilus	Xcel Energy
Minnesota	Rock	Minn Wind III-IX	2004	11.55 NEG Micon		1.65	7	Xcel Energy	Xcel Energy
Minnesota	Martin	Trimont Area Wind Farm	2005	100.50 GE		1.50	67	Great River Energy/PPM Energy	Great River Energy
Minnesota	Murray	East Ridge Wind Farm	2006	10.00 Suzlon Energy		1.25	8	Edison Mission Group	Xcel Energy
Minnesota	Cottonwood	Bingham Lake Wind Farm	2006	15.00 Suzlon Energy		1.25	23	Edison Mission Group	Alliant Energy
Minnesota	Mower	Mower County Wind Energy Center	2006	98.90 Siemens		2.30	43	FP&L Energy	
Ohio				7.00					

State	County	Site Name	Installed	MW	Manufacturer	Turbine Size	Number	Owner	Pwr Pchr
Wisconsin	Fond du Lac	Blue Sky / Green Field	2008	145.00	Vestas	1.65	88	We Energies	
Wisconsin	Kewaunee	Lincoln	1999	9.24	Vestas	0.66	14	Wisconsin Public Service	WPSC
Wisconsin	Kewaunee	Rosiere	1999	11.22	Vestas	0.66	17	Madison Gas & Electric	MG&E
Wisconsin	Iowa	Eden	2001	30.00	GE	1.50	20	FP&L Energy	We & Alliant
Canada									
Ontario		Kingsbridge 1	2006	39.60	Vestas	1.80	22	EPCOR	
Ontario		Melanchton 1 -Shelburne	2006	67.50	GE	1.50	45	Canadian Hydro Developers	
Ontario		Erie Shores	2006	99.00	GE	1.50	66	Clean Power Income Fund	
Ontario		Prince Project	2006	189.00	GE	1.50	126	Brookfield Power	
Quebec		Le Nordais 2	1999	42.75	NEG Micon	0.75	57	Axor	
Quebec		Le Nordais 1	1999	57.00	NEG Micon	0.75	76	Axor	
Quebec		Mount Copper Project	2005	45.00	Vestas	1.80	25	3Ci & Creststreet Asset Management	
Quebec		Mont Miller Project	2005	54.00	Vestas	1.80	30	Northland Power Income Fund	
Quebec		Bate-des-Sables	2006	109.50	GE	1.50	73	Cartier Energy	

Table 2: US Proposed Wind Farms Within 500 Mile Radius of New North

State	County	Site Name	MW	Manufacturer	Turbine Size (MW)	Number	Owner	Status
Illinois	Lee and LaSalle	GSG Wind Farm Phase I	80	Gamesa	2.00	40	Babcock & Brown and FPC Services	under construction
Illinois	McLean	Twin Groves I	198	Vestas	1.65	120	Horizon Wind Energy	under construction
Illinois	McLean	Twin Groves II	198		1.65	120	Horizon Wind Energy	Proposed
Illinois	McLean	McLean Wind Energy Center	150		1.50	100	Invenergy	Proposed
Illinois	Bureau	Crescent Ridge II	74		2.00	37	Midwest Wind Energy	Proposed
Illinois	Lee & Bureau	Big Sky Wind Farm	200				Midwest Wind Energy	Proposed
Illinois	Logan & Tazewell	Rail Splitter Wind Farm	100				Horizon Wind Energy	Proposed
Illinois	Livingston	Blackstone Wind Farm	300-600				Horizon Wind Energy	Proposed
Illinois	Ogle	Baileyville Wind Farm	80	Gamesa	2.00	40	Navitas Energy	Proposed
Illinois	Woodford	Benson Wind Farm	160	Gamesa	2.00	80	Navitas Energy	Proposed
Illinois	Stephenson	unnamed	NA	Gamesa			Navitas Energy	Proposed
Iowa	Pocahontas	Pocahontas County wind project	123	GE Energy	1.50	82	enXco/MidAmerican	under construction
Iowa	NA	Top of Iowa II	99		1.65	60	Alliant / Midwest Renewable	Proposed
Iowa	near Spirit Lake	Endeavor	150	Clipper	2.50	60	Clipper Windpower	Proposed
Michigan	Bingham Township	Noble Thumb Wind Park	48		1.50	32	Noble Wind Power	under construction
Michigan	Oceana	Mackinaw Power	30		1.50	20	Mackinaw Power	Proposed
Minnesota	Mower	Prairie Star	100	Vestas	1.65	61	Horizon Wind Energy	under construction
Minnesota	Lincoln	Minn-Dakota Wind Power Project (MN portion)	101	GE Energy	1.50	67	PPM Energy	under construction
Wisconsin	Fond du Lac	Cedar Ridge Wind Farm	68	Vestas	1.65	41	Wisconsin Power and Light / Alliant Energy	under construction
Wisconsin	Fond du Lac & Dodge	Forward Wind Energy Project	129	GE Energy	1.50	86	Invenergy	under construction
Wisconsin	Dodge	Butler Ridge	54	GE Energy	1.50		Eurus Energy	Proposed
Wisconsin	Lafayette	Darlington Wind Farm	99				Horizon Wind Energy	Proposed
Wisconsin	Manitowoc	unnamed	98				Babcock & Brown	Proposed
Wisconsin	Columbia	Columbia Wind Farm	50+	Vestas	1.65		Iberdrola Renewables	Proposed
Wisconsin	Manitowoc	unnamed	19			7	Emerging Energies	Proposed
Wisconsin	Monroe	unnamed	75				Invenergy	Proposed
Wisconsin	Brown	unnamed	12-19			8	Emerging Energies	Proposed
Wisconsin	Calumet	unnamed	100+	Acciona Energy	1.50		EcoEnergy, LLC	Proposed
Wisconsin	Calumet	unnamed	100+				Midwest Wind Energy	Proposed