

Michigan Wind Energy Manufacturing Working Group Member Update – November 2008



NextEnergy is the lead organizer of the Michigan Wind Energy Manufacturing Working Group with the support of the Michigan Economic Development Corporation, Michigan Public Service Commission, Michigan State Energy Office, Michigan Manufacturing Technology Center and Western Michigan University. The mission of this group is to advance the capacity and capabilities in the state of Michigan for designing, engineering, and manufacturing wind systems. This group allows wind turbine companies and the skilled Michigan manufacturing supply chain to establish mutually beneficial relationships to help improve the efficiency of wind energy systems and the state's manufacturing infrastructure to support growth in the North America. Contact Dan Radomski at NextEnergy to get involved at 313-833-0100 ext. 150 or danr@nextenergy.org

SPONSOR MESSAGE:

The Michigan Wind Energy Manufacturing Working Group is sponsored by Charter One: Managing a successful company in today's global marketplace requires connections, vast resources and experience. Backed by the strength of our corporate parent RBS (The Royal Bank of Scotland Group plc), one of the world's leading financial services providers in over 50 countries, Charter One delivers a full range of solutions that help you stay competitive. www.charterone.com Contact Susan Leithauser, Vice President, Commercial Middle Market Banking at (248) 226-7822 susan.leithauser@charteronebank.com

BUSINESS/PARTNERSHIP OPPORTUNITIES

1. NextEnergy, Michigan Economic Development Corporation and the Michigan Manufacturing Technology Center are partnering with the purchasing staff at Vestas, the global market share leader for large utility scale wind turbines, www.vestas.com, in an effort to connect them to skilled Michigan manufacturing suppliers. Vestas has announced a nacelle assembly production facility in Colorado and is in immediate need of critical suppliers for the nacelle, hub and structural components.

We are again lining up private meetings for the Vestas Pitch and Yaw System sourcing leads, on December 17, 2008. If you have already received a meeting with Vestas, there is no need to meet again. Meetings will be 30 minutes in length and held at the NextEnergy Center located at 461 Burroughs, Detroit, MI 48202. Directions to the NextEnergy Center are below...

<http://www.nextenergy.org/about/location.aspx>

If you are interested and meet the broad specs below, please contact me danr@nextenergy.org and my partner, Amanda Roraff at Amandar@nextenergy.org by end of day Friday, December 5 to set up a time to meet with Vestas.

Pitch & Yaw Group:

Vestas is currently looking for suppliers who can provide components and critical manufacturing services for their pitch and yaw system components. Volume is expected to be 1,000+ for most components by 2010:

- Yaw Gears/Tops/Yaw Gears/Worm Gears
 - o 7ft diameter min Yaw top, 11" diameter x 33" length yaw planetary gears
 - o Looking for more yaw gear supplier options

- Worm Gear box also (currently being redesigned)
- Hydraulics
 - Hoses, Pipes and Fittings (160 Parts), Fitting, Holders and Connectors (155 Parts)
- Plastics
 - Injection, blow and vacuum molding (160 Parts)
 - Isolated bushings, oil seals, noise insulating foam, cable ties, 8 ft plastic tray
 - Injection molding – looking for well established smaller companies experienced with low to medium volumes, companies with \$7-30 million in annual revenues, preferably skilled in a wide variety of processes (injection, thermal fold forming, blow, rotational, vacuum molding), also prefer companies with plastic machined component capabilities to avoid tooling cost. Looking for companies with an impressive list of customers.
- Pumps
 - a. 6 Pumps needed, industrial sized pumps, all are hydraulic pumps
- Small Mechanical Parts – looking for smaller shops, no need for tight tolerances, time to delivery and low cost most important. Looking for companies that have all capabilities - machining, bending, welding. Parts from 1” to 8’, most are smaller parts.
- Rubber suppliers – also looking for foam supplier - low tech foam squares that go in the hub of the nose cone for vibration dampening, also in the nacelle, 8” x 8” squares of foam for example.
- Safety fall equipment kit - supplier of safety kits with ropes, weather and vibration equipment. This kit is mounted in tower below nacelle, contains rope, carbon, and in plastic box, must be complete.

2. State Office Seeking Wind Turbine

The State of Michigan is seeking proposals for a wind generator system to be installed at a new office building the state will be leasing in Bay City. This facility will be highly visible to travelers, and will undoubtedly get a lot of publicity. It behooves any developers of small wind energy systems to make a proposal through this process. Please read the information below, with care, and follow the instructions about how to apply. Note that all vendors have to be registered with Michigan Department of Management and Budget (DMB) in order to be eligible to win this project bid. It is expected that the state will be seeking additional distributed-generation (wind, solar, etc.) projects for state facilities in the future, too. Vendors are encouraged to think about this project as the first of many for state facilities, colleges and universities, etc. This is to inform you that Request for Proposal#07119200038 for a Wind Turbine for the Bay City District Office for the Department of Environmental Quality is posted on our website at www.michigan.gov/buymichiganfirst. Click on "Bids and Proposals", then "Requests for Proposal" to download Form DMB 285 and RFP Attachment 1. Questions are due by Friday, November 14, 2008 by 3:00 P.M. Bids are due on Tuesday, December 9, 2008 by 3:00 P.M.

If you have questions, please contact...

Sue Ciecwiwa, Buyer Specialist
 Purchasing Operations
 Department of Management and Budget
 Phone: (517) 373-0301
 FAX: (517) 335-0046
CiecwiwaS@michigan.gov
www.michigan.gov/buymichiganfirst

3. Large Wind Turbines Available for Sale

Would you kindly let your colleagues know that BlueSkyWind has the ability to offer a small amount of new Vestas 3 MW V-90 winterized turbines for immediate sale? These units may be sold on an individual basis to large industrial, public or commercial uses. They are Class I machines designed for swift wind found along coastal areas of Michigan and will generate in the area of 7 to 9+ million kWh's annually depending on siting characteristics. The towers are 80 meters in height. If interested they may contact:

Joseph J.Graham
President
BlueSkyWind,LLC
10 New King Street
White Plains, New York 10604
(914) 949-2292
graham@blueskywind.com
www.blueskywind.com

4. Leading Custom Test Equipment Manufacturer Looking For Partnership Opportunities with Wind Energy Products Manufacturers for Product Testing

Testek Inc., founded in 1969, located in Livonia, Michigan is expanding its business operations in the design and manufacture of customized Test Systems for emerging Alternative Energy Industries such as wind power, fuel cells, and solar power technologies. Capabilities to Test Systems for Wind Turbine Main Gearbox, Wind Turbine Planetary Gear, Turbo Generator, Drive Train Bearings, Brake, Yaw Drive & More.

Mr. Martin Kierdorf
Testek Inc.,
12271 Globe Road
Livonia, Michigan - 48150
Ph. 734-591-2271, X 1005
mkierdorf@testek.com



Testek Inc and
[nextenergy.pdf](#)

5. DOE Extends Deadline for Clean Energy Loan Guarantees

DOE announced last week that it is extending the application due date for loan guarantees related to energy efficiency, renewable energy, and advanced transmission and distribution technologies. Interest in the loan guarantees has been so extensive that DOE has decided to move the application due date back two months for stand-alone and manufacturing projects, as well as the due date for Part I applications for large-scale integration projects, from December 31, 2008, to February 26, 2009.

<http://www.lgprogram.energy.gov/>

NEXTENERGY EVENTS

Michigan Wind Energy Symposium

Produced by partner, GLREA

March 3 & 4, 2009

Detroit, MI

www.glrea.org

WIND ENERGY AND OTHER RELATED EVENTS

What You Need to Know about Wind Energy Siting and Policy Issues

Workshops to be held at nine locations throughout Michigan during December 2008

December 2, 2008 - Holiday Inn West Bay, Traverse City

December 3, 2008 - Michigan Tech University, Houghton

December 4, 2008 - Marquette Holiday Inn, Marquette

December 8, 2008 - Holiday Inn Hotel & Conference Center, Midland

December 8, 2008 - Ramada Inn, Ludington

December 9, 2008 - Mendel Center, Benton Harbor

December 9, 2008 - Tuscola Technology Center, Caro

December 10, 2008 - MSU Extension, Kent County, Grand Rapids

December 11, 2008 - Kellogg Hotel & Conference Center, East Lansing

<http://www.citizenplanner.msu.edu/regionalworkshops.html>

Revolution: Oklahoma Wind Energy Conference

December 2-3, 2008

Oklahoma City Cox Convention Center

<http://okwindrevolution.com/>

In early December, AWEA is hosting a series of webcasts to discuss its newest publication, *Wind Energy for a New Era: An Agenda for the New President and Congress*. The U.S. Department of Energy's *20% Wind Energy by 2030* vision drives the wind industry's federal policy agenda. Webcasts are free, but you must register to participate. Please join us on one of the following dates:

Thursday, December 4, 3-4pm ET

Register : <https://www2.gotomeeting.com/register/553446484>

Tuesday, December 9, 1-2pm ET

Register : <https://www2.gotomeeting.com/register/864388738>

AWEA Wind Power Supply Chain Workshop

December 8 – 9, 2008

Cleveland, OH

<http://www.awea.org/events/supplychain2/>

AWEA Wind Power Asset Management Workshop

San Diego, CA

January 12 - 13, 2009

<http://www.awea.org/events/>

Wind Power Finance & Investment Summit

February 11-13, 2009

Paradise Point Resort and Spa, San Diego, CA

<http://www.infocastinc.com/index.php/conference/136>

AWEA Wind Power Project Siting Workshop

Seattle, WA

February 24 - 25, 2009

<http://www.awea.org/events/>

Renewable Energy World Conf & Expo

March 10-12, 2009

Rio Hotel, Las Vegas

<http://rewna09.events.pennnet.com/fl/content.cfm?NavId=7857&Language=Engl>

European Wind Energy Conference & Exhibition

March 16-19, 2009

Parc Chanot, Marseille, France

www.ewec2009.info

AWEA Wind & Transmission Workshop

March 17 - 18, 2009 Overland Park, KS

<http://www.awea.org/events/transmission09/registration.html>

Wind Energy German/US Match Making Event Planned in Germany

March 30-April 2, 2009

Berlin, Germany

Information on the German Chamber of Commerce Midwest wind match making event is being planned for the week of March 9, 2009 in Hamburg or Berlin and will focus on opportunities for partnering in the supply chain. If interested, please contact...

Mark Tomkins

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www.gaccomm.org, www.ahk-usa.com, www.ahk.de

WIND POWER EXPO 2009

March 29-April 1, 2009

Shanghai, China

<http://www.windpower-expo.cn>

<http://www.windpower-expo.com>

WINDPOWER 2009 - AWEA Wind Conference and Exhibition

May 4 – 7, 2009

Chicago, IL (new date and location)

www.awea.org

WINDPOWER 2010 Conference & Exhibition

Salt Lake City, UT

May 16 – 19, 2010

<http://www.awea.org/events/>

National Summit - Technology, Manufacturing, Energy & the Environment

June 15-17, 2009

Ford Field, Detroit, MI

www.nationalsummit.org

INTERNATIONAL BUSINESS OPPORTUNITIES

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Opportunity for Alternative Energy Companies – Hannover Fair

Hannover Fair to be held April 20-24, 2009. The Alternative Energy sector throughout Europe (and around the World) is burgeoning as evidenced by the more than 100,000 attendees at the 2008 Hannover Fair... and that's just for the Energy section of the program alone! Opportunities for US companies abound.

Special arrangements are being negotiated for Michigan companies to attend the 2009 Hannover Fair, some of which include:

- Special rates for exhibitors.
- Special travel packages (air, ground transportation & hotel).
- Advanced marketing and matchmaking services with attendees representing global companies.
- Special forum to Feature Michigan's presence.
- Special guided tours customized to individual companies' interests.
- Targeted meetings with other interested parties
- Interpreter services

If you are interested in attending or have questions about this event, please contact: Mike Shapiro: 313-596-0438 mshapiro@detroitchamber.com or, Dean Johnson: 313

NEWS

NextEnergy gets new CEO

Keith Cooley, most recently director of Michigan's Department of Labor and Economic Growth, sees unmatched opportunities for state's work force in alternative and renewable energy technology development. The NextEnergy Center board Monday named Keith W. Cooley as the second president and CEO of the state's renewable energy industry accelerator. Also, Gov. Jennifer Granholm will also issue an Executive Order adding a new energy department to the Michigan Department of Labor and Economic Growth.
<http://www.wjw.com/NextEnergy-Gets-New-CEO/3210234>

Department of Labor and Economic Growth adds "Energy" to its Title

Governor Granholm announced on Oct. 27 a reorganization of state government that aligns all activities related to renewable energy and energy efficiency in one department. By executive order, all activities related to the energy sector will be consolidated into the Department of Labor and Economic Growth which will be renamed the Department of Energy, Labor and Economic Growth (DELEG). Granholm announced the appointment of her special advisor on renewable energy, Stanley "Skip" Pruss, to serve as the CEO and director of DELEG. Pruss will be responsible for promoting the use of renewable energy, the development of advanced energy technologies, and the implementation of energy efficiency measures in the state. He replaces Keith Cooley who has accepted a position as CEO of NextEnergy in Detroit.

Federal Support of Renewable Installations

Federal Energy Tax Credits have been extended as part of the financial rescue legislation that was recently passed by Congress. The new law contains a 1-year extension of the production tax credit for wind energy, a 2-year extension of the production tax credit for other renewables, an 8-year extension of the tax credits for investment in commercial and residential solar projects, including the removal of the \$2,000 cap on residential solar electric installations, the addition of

small wind energy and geothermal heat pump projects as qualifying for tax credits, a 5-year extension of the tax deduction for energy-efficient commercial buildings, a 1-year extension of the tax credit for the construction of new energy-efficient homes, and tax credits for qualified energy-efficiency upgrades to existing homes are reinstated for 2009. <http://www.energytaxincentives.org/> & <http://www.dsireusa.org/>

Danotek Motion Technologies Receives Funding

Ann Arbor, Mich.-based Danotek Motion Technologies, a manufacturer of high-efficiency wind turbine generators, has raised \$14.5 million from CMEA Ventures, StatoilHydro Venture and GE Energy Financial Services. Danotek's generators can increase wind turbines' efficiency, while reducing maintenance and operating costs, according to the company. The initial funding round of \$7.25 million was led by CMEA Ventures and StatoilHydro Venture. The balance of the funds is to be provided in a subsequent round. Additional details of the funding were not disclosed. http://www.nawindpower.com/e107_plugins/content/content_lt.php?content.3157

Grand Rapids Company Starts Selling Small Wind Turbines

SWIFT Wind Turbine's first customer installation in Michigan is at the Frauenthal Center for the Performing Arts, owned and operated by the Community Foundation for Muskegon County. The 1.5 kW wind turbines are built by Cascade Engineering in Grand Rapids. The Swift turbine operation currently employs 15 people. The North American units are assembled here along with all of the rotor blades for the units sold worldwide. Cascade hopes to sell up to 2,000 Swift units in 2009. www.SwiftWindTurbine.com

Wind Turbine With Hybrid Tower Could Produce More Energy

One of the world's biggest wind turbines with a hybrid tower is being built at the wind test site in Grevenbroich, Germany. The tower combines a lower segment consisting of long, narrow pre-cast concrete components made by Netherlands-based tower specialists Advanced Tower Systems (ATS) and an upper segment made of conventional steel elements. The turbine will measure 180 meters, with a hub height of 133 meters. The tower is being installed and will be operated by the ATS Projekt Grevenbroich company, in which juwi Netzwerk GmbH & Co. KG, Mecal Projects GmbH, HB Bau GmbH and Siemens Project Ventures are equal partners. "This innovative tower enables a higher hub height to produce more energy at comparatively low overall cost. It's also light cargo," says ATS' managing director Frans Brughuis. Compared to widespread hub heights of 100 meters, ATS' system yields about 20% more energy. The higher expense incurred during installation is recuperated within about four years, and maintenance costs are very low. At inland locations with lower wind speed, that is particularly important, and it opens up new development potential for clean wind-generated power. The various elements of the hybrid tower are designed to be easily transportable even to difficult locations, such as forests. The tower also stands out for its quick installation time and can be combined with different brands of components.

AMSC Partners With Chinese Manufacturer

American Superconductor Corp. (AMSC), an energy technologies company, and Shenyang Blower Works Co. Ltd. (SBW), a Chinese industrial equipment manufacturer, have signed an agreement for co-development work that positions SBW to become a supplier of wind turbines for the Chinese marketplace and, eventually, globally. Under the terms of the agreement, AMSC's wholly owned AMSC Windtec™ subsidiary will provide SBW with designs for its 2 MW doubly fed induction wind turbine. AMSC will also help SBW localize the supply of all core components for the wind turbines, establish its wind turbine manufacturing line, and build and test SBW's first prototype wind turbines. After receiving certification, SBW will manufacture the turbines and sell them primarily into the Chinese market. AMSC will provide the full electrical systems for all of SBW's wind turbines. This co-development agreement provides SBW with the right to manufacture its 2 MW wind turbines in China and sell the systems globally. The company plans to have its first prototype turbines installed and commissioned in 2009 and expects to begin series production in 2010.

New COO At Nordic Windpower

Berkeley Calif.-based Nordic Windpower, a manufacturer of utility-scale wind turbines, has announced that Jeffrey Brown has joined the company as chief operations officer (COO). He will manage the company's operations team which includes a manufacturing facility in Pocatello, Idaho, and a service team in Berkeley.

http://www.nawindpower.com/e107_plugins/content/content_lt.php?content.3062

NRG Wind Measurement Equipment Mfg Expansion

Hinesburg, Vt.-based NRG Systems, a manufacturer of wind measurement equipment for the global wind energy industry, celebrated the grand opening of its 60 Riggs Road facility, the newest addition to its green campus.

http://www.nawindpower.com/e107_plugins/content/content_lt.php?content.3076

Vestas Projects Growth for 2009

World-leading wind turbine manufacturer Vestas projects 25%-plus revenue growth in 2009 in spite of the credit crisis, which it says will alleviate demand pressure on the wind power industry, the company said in its latest financial report. In the report Vestas said it has no plans to cut its work force, particularly given strong long-term growth prospects, but that it will postpone the hiring of a number of additional employees as a result of the "lower-than-planned rate of utilization of the organization in 2009." Vestas expects to resume its staffing growth "as soon as the present credit squeeze decreases." As for supply chain issues, the prices for several of its components have peaked, according to Vestas, with the company recovering that cost with higher prices for its product. In 2009, the company anticipates, the number of suppliers, especially from China, will grow, leading to increased competition across the value chain. Vestas expects annual revenue to be nearly \$7.3 billion for 2008 and \$9.2 billion for 2009.

GE Ships Turbine No. 10,000

GE Energy recently shipped its 10,000th 1.5-MW wind turbine, the company announced. Over the past decade, GE's 1.5-MW machines have been installed in 19 countries and have accumulated more than 130 million operating hours, producing more than 78,000 gigawatt-hours of clean, wind-generated electricity. The 10,000th unit was shipped to FPL Energy, the largest U.S. generator of wind power, for the Ashtabula Wind Energy Center located in North Dakota.

Iowa City To Develop Wind Energy Supply Chain Campus

The city of Iowa City, Iowa, has begun the process of acquiring, annexing and zoning the first 173 acres of land that will comprise the initial parcel of a dedicated wind energy supply chain campus. Located minutes between Acciona North America's operations in West Branch, Iowa, and Clipper's North American nacelle manufacturing plants in Cedar Rapids, Iowa, this rail-served campus will allow current and future suppliers easy access to their customers and the growing number of wind projects in the upper Midwest. Iowa City plans to coordinate with utility partners and transportation officials to expedite infrastructure projects. City leaders envision a variety of uses on the wind energy supply chain campus, including forging and casting, manufacturing, light assembly, warehousing and distribution.

SKF Announces Two New Energy-Efficient Bearing Types

SKF, a global supplier of bearings, seals and lubrication systems, has developed spherical and cylindrical roller bearings. Extensive testing results verify significant friction reduction compared to SKF standard bearings. SKF energy-efficient spherical roller bearings exhibit at least 30% less friction and corresponding reduced energy consumption, considerably lower bearing temperature, extended grease life and extended relubrication intervals. Five sizes of open bearings are the first to be introduced for industrial ventilation fan applications as part of the total SKF energy-efficient solution for fans. Additional sizes will be offered based on customer demand.

http://www.nawindpower.com/e107_plugins/content/content_lt.php?content.3117

Magnetech Industrial Services Expands Wind Services

Massillon, Ohio based-Magnetech Industrial Services has acquired the business and assets of California-based Visalia Electric Motor Shop Inc., a repair, maintenance and overhaul provider for mission-critical motors and generators. Visalia serves an extensive roster of industry-leading customers in 14 Western states. Magnetech says the addition of Visalia will significantly expand its wind generation repair and maintenance capabilities on the West Coast. The Visalia facility will now support all field service and in-shop repairs in the western U.S. With this acquisition, Magnetech now has nine locations nationwide.

http://www.nawindpower.com/e107_plugins/content/content_lt.php?content.3068

GridPoint to Manage Wind Power Battery Storage

The smart grid technology startup has inked a deal with Xcel Energy to manage storing wind power in batteries when demand is low and drawing on it when it's needed most.

<http://www.greentechmedia.com/articles/gridpoint-to-manage-wind-power-battery-storage-5205.html>

Canada Targeting 20% Electricity from Wind by 2025

Obtaining 20% of the country's electricity supply from wind by 2025 would generate CAN \$79 billion [US \$64 billion] of investment in Canada and would make the Canadian wind-power sector a major player in the global wind energy market.

<http://www.renewableenergyworld.com/rea/news/story?id=53972>

Mariah Power's Windspire(R), Receives 'Best Of What's New' Award in Popular Science

Mariah Power (www.mariahpower.com), manufacturer of the Windspire(R), a residential and commercial wind power appliance, was recognized in "Best of What's New" in the green tech category by Popular Science in its December 2008 issue. The Windspire is a 30-foot-tall, propeller-free, vertical-axis wind turbine designed for harnessing wind power in urban, suburban and rural locations for residential and commercial use. Each year, Popular Science reviews thousands of new products and innovations and chooses the top 100 winners across 11 categories for inclusion in its annual "Best of What's New" issue, the most-read issue of the year.

<http://www.marketwatch.com/news/story/Mariah-Powers-WindspireR-Vertical-Axis/story.aspx?guid=%7B199C6169-B531-4288-91F2-9CB6E51441D0%7D>

Report: Massive Investment Will Be Needed To Maintain Reliable Energy

The U.S. utility industry will have to invest between \$1.5 trillion and \$2 trillion between 2010 and 2030 to maintain current levels of reliable energy service for customers throughout the country, according to a new report issued today by the Brattle Group, which provides consulting and expert testimony in economics, finance and regulation. The findings are detailed in "Transforming America's Power Industry: The Investment Challenge 2010-2030." The report was presented by Peter Fox-Penner, a principal of the Brattle Group, at the Edison Electric Institute's 43rd Financial Conference. The report was sponsored by the Edison Foundation. For more information, visit www.brattle.com

FEDERAL AND OTHER FUNDING OPPORTUNITIES

Notice of Upcoming Funding Opportunity Announcement and Program Announcement: 20% Wind by 2030: Overcoming the Challenges

This is a Notice of an Upcoming Funding Opportunity Announcement and Program Announcement- NO APPLICATIONS WILL BE ACCEPTED AT THIS TIME. This Notice of Intent is to inform the public of an upcoming Funding Opportunity Announcement (FOA) and Program Announcement (PA). The Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy (EERE), Wind and Hydropower Technologies Program (WHTP) intends to issue a parallel FOA directed at industry partners and a PA directed at Department of Energy Laboratories to address wind development technical challenges as well as market acceptance barriers. The

proposed Title for the Announcements is “20% Wind by 2030: Overcoming the Challenges”. The parallel Announcements target support for the following five topic areas: Turbine research, development and testing; Market acceptance efforts; Environmental research and siting strategies; Transmission analysis, planning and assessments; and Workforce development. These funding efforts support the 20% Wind Energy by 2030 report which outlines the feasibility of using wind energy to generate 20% of the nation's electricity demand by 2030. The report can be found at <http://www1.eere.energy.gov/windandhydro>.

Xcel Energy RFP

Xcel Energy's Southwestern Public Service Co. (SPS) is seeking a request for proposals (RFP) for more than 1,000 MW of additional power for its Texas-New Mexico electrical system to meet growing demands for electricity across the region. In the last three months, the company has issued three separate RFPs, seeking up to 800 MW of dispatchable power, which could come from various fuel types, and up to 250 MW of additional wind power. In addition, proposals for an additional 600 MW of dispatchable power are being sought for delivery beginning in 2012 and 2013. The company is requesting that the wind resources be available between 2010 and 2012 at the latest, and that they be located in the Texas portion of the SPS service area. Any new power purchase agreements would be subject to all necessary regulatory approvals, including regulatory approval in the states SPS serves. Deadline: Dec. 15

For more information: xcelenergy.com

Request for Proposal (RFP) for Wind-Powered Energy Generation Project for Nebraska

The Nebraska Public Power District (District) intends to expand its power supply by adding additional wind-powered resources to its generation resource portfolio and the District is soliciting proposals for from Community-Based Energy Development (C-BED) or other privately owned Wind-Powered Energy Generation Project(s). We are hereby requesting that if your firm is interested, to submit a proposal to perform the work scope described in the attached RFP. Any Respondent questions pertaining to this RFP must be submitted electronically to the District by Wednesday, February 13, 2009, in accordance with Section 5.0 of the RFP. Electronic proposals must be received no later than 5:00 p.m. CDT, on Tuesday, April 15, 2009, and should be delivered in accordance with Section 6.2 of the RFP. If interested, please contact:

Brent L. Hofferber
Procurement Specialist
Nebraska Public Power District
1414 15th St.
Columbus, NE 68601
Ph: (402) 563-5896
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blhoffe@nppd.com



RFP 08017
Wind-Powered Energy

The Municipal Energy Agency of Nebraska (MEAN) is requesting proposals for a long term wind energy purchase power agreement (PPA).

The joint action agency seeks proposals for up to 30 MW of nameplate capacity that MEAN can purchase by the end of 2009, but will also consider projects available in 2010. The wind project must interconnect on the Public Service Co. of Colorado transmission system or the Rocky Mountain Region transmission system of the Western Area Power Administration that serves areas of Wyoming, Colorado, and western Nebraska. Bidders must submit proposals by February 6. The request for proposals can be found on the MEAN home page: www.nmppenergy.org/mean

Northern Indiana Public Service Co. RFP

Northern Indiana Public Service Co. (NIPSCO) has issued two requests for proposals (RFPs) seeking bids on power resources. The first request seeks capacity and energy proposals for up to 300 MW of electricity to address the company's projected electricity supply needs during the 2011-2016 time period. The second request seeks up to 300,000 MWh of electricity, generated from renewable sources or demand side management technologies, to address the company's projected electricity supply needs beginning in 2011. Deadline: Jan. 15. For more information: nipsco2008RFP.com

DOE Loan Guarantee Program

Now allows for loans for manufacturing of renewable

The U.S. Department of Energy (DOE) has announced three solicitations for a total of up to \$30.5 billion in federal loan guarantees for projects that employ advanced energy technologies that avoid, reduce or sequester air pollutants or greenhouse gas emissions. The three solicitations are in the areas of energy efficiency, renewable energy and advanced transmission and distribution technologies; nuclear power facilities; and advanced nuclear facilities for the front end of the nuclear fuel cycle. This marks the second round of solicitations for DOE's loan-guarantee program, which encourages the commercial use of new or significantly improved energy technologies. Up to \$10 billion is designated for energy efficiency, renewable energy and advanced transmission and distribution projects. "Loan guarantees from the department will enable project developers to bridge the financing gap between pilot and demonstration projects to full, commercially viable projects that employ new or significantly improved energy technologies," says Jeffrey F. Kupfer, acting deputy secretary of energy. All project sponsors who have already filed an application with DOE may append, supplement, or revise their application before February 26, 2009.

<http://www.lgprogram.energy.gov/>

<http://www.science.doe.gov/sbir/>

Clean Renewable Energy Bonds

The federal Energy Tax Incentive Act of 2005, under Title XIII of the federal Energy Policy Act of 2005 (EPAct 2005), established Clean Energy Renewable Bonds (CREBs) as a financing mechanism for public sector renewable energy projects. This legislation originally allocated \$800 million of tax credit bonds to be issued between January 1, 2006, and December 31, 2007.

Eligible Renewable Technologies:

Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Municipal Solid Waste, Small Irrigation Power

Eligible Applicants:

Local Government, State Government, Tribal Government, Municipal Utility, Rural Electric Cooperative

http://www.irs.gov/irb/2007-14_IRB/ar17.html

American Trust Launches Alternative Energy Funds

Lebanon, N.H.-based American Trust Investment Advisors LLC has launched the no-load American Trust Energy Alternatives Fund. The new fund will seek to identify domestic and international publicly traded companies that will play a role in meeting increased worldwide energy demand. The American Trust Energy Alternatives Fund's investment objective is long-term capital appreciation. The fund will seek companies that are either directly involved in some capacity in alternative energy production or that are likely to benefit from the development of these technologies. The fund will screen almost 300 energy-related companies worldwide to evaluate the economic viability and scientific soundness of their products and services. The alternative energy companies included will cover a broad range of technologies, including solar, wind, geothermal, hydro, tidal, biofuel and other energy-generation or -storage technologies. The minimum initial investment in the Fund is \$5,000 for regular accounts and \$2,500 for individual retirement accounts. The minimum subsequent investment is \$100.

NSF National Science Foundation

Small Business Innovation Research Program Phase I Solicitation FY-2009 Modification 2
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16956>

STATE FUNDING OPPORTUNITIES

NextEnergy Tax Authority Incentives

Alternative Energy companies in Michigan may be eligible for tax breaks. To be eligible, a company must first be certified as "Alternative Energy." See the criteria or contact Eric Shreffler at 734-953-1531 or shrefflere@michigan.org. Deadline is 11/1/08.

<http://www.michiganadvantage.org/Targeted-Initiatives/Alternative-Energy/Default.aspx>
<http://ref.michiganadvantage.org/cm/attach/75d7a008-450d-4973-a7cc-22cb2f5ee05f/MichiganNextEnergyAuth.pdf>

Michigan Gov. Granholm Announces Invest Michigan!

Governor Jennifer M. Granholm today officially announced the Invest Michigan! program and introduced members of the Business Leadership Council that will support the initiative. Granholm proposed Invest Michigan! in her 2008 State of the State address. "This program is designed to grow the state's pension fund by investing in Michigan-based companies," Granholm said. "Invest Michigan! will help diversify Michigan's economy by retaining, attracting, and building successful small and medium-sized businesses and, in turn, creating jobs for Michigan workers." Through Invest Michigan!, the State of Michigan Retirement Systems has committed \$300 million divided equally between a Growth Capital Fund, which will make direct investments targeting venture capital and expansion-stage companies, and a Michigan Opportunities Fund, which will target potential acquisitions and buyouts. The Growth Capital Fund will be managed by co-general partners Beringea and Credit Suisse. The Michigan Opportunities Fund will be managed by Glencoe Capital. Each of the general partners has offices in Michigan and a successful track record in the industry.

<http://www.michigan.gov/gov/0,1607,7-168--197405--,00.html>

Michigan Enacts \$45M Centers of Energy Excellence Program

Gov. Jennifer Granholm today signed legislation creating Centers of Energy Excellence, a program designed to bring companies, academic institutions, and the state together to create jobs in alternative and advanced energy. The initiative, passed with overwhelming bipartisan support, is part of an overall job creation and economic stimulus package proposed by the governor in her State of the State address earlier this year (see the [Jan. 30, 2008](#) issue of the *Digest*). To be administered through the Michigan Economic Development Corp., the Centers of Energy Excellence will support the development, growth and sustainability of alternative energy industry clusters in Michigan by identifying and/or locating a base company in a geographic region with the necessary business and supply-chain infrastructure. These centers will match the base company with universities, national labs and training centers to accelerate next-generation research, workforce development and commercialization. Under the new law, which is effective immediately, the Michigan Strategic Fund (MSF) is authorized to allocate up to \$45 million from the 21st Century Jobs Trust Fund to establish and operate the program. Grants will be made available to for-profit companies that meet the following criteria:

- Match a federal, foundation or international investment;
- Accelerate the commercialization of an innovative energy technology or process; or,
- Assist in activities of the center, including workforce development and technology demonstration.

The centers will be located in areas where the MSF determines that the state has competitive advantages in workforce, intellectual property and natural resources, but where technical and supply-chain hurdles could prevent the commercialization process. More information will be available in the near future at: <http://www.michiganadvantage.org>

Michigan Pre-Seed Fund

The Michigan Pre-Seed Capital Fund supports high-tech start-up companies as they near commercial viability by providing access to early-stage capital to accelerate company development. Supported by a consortium of Michigan SmartZones and administered by Ann Arbor Spark and Automation Alley, these funds will extend the personal investment of entrepreneurs during the critical stage when they are developing their businesses to the point of readiness for outside investment. These needs might include hiring key management executives or specialized consultants, regulatory review, contract manufacturing agreements, marketing strategies and sales plans, etc. At this stage, the Pre-Seed Fund will be able to fund \$50,000 to \$250,000 per company alongside their investment partner who will provide a minimum dollar for dollar match. The goal of the Pre-Seed Fund is to position these companies for follow-on investment.

<http://www.annarborspark.org/business-resources/business-growth-expansion/pre-seed-fund/pre-seed-faqs/>

For more information contact: Skip Simms at 734-646-3173 or email skip@annarborspark.org

Michigan Renaissance Zones

Renaissance zones are virtually free of all state and local taxes for businesses located within their boundaries. There are over 150 geographic areas in Michigan that are designated as renaissance zones.

http://ref.michigan.org/medc/services/sitedevelopment/renzone/index.asp?WT.svl=Home_Feat_Links_4

Michigan Emerging Technology Fund

Effective January 30, 2008, the Emerging Technology Fund (ETF) will be monitored by the MI-SBTDC, not the MEDC. This program provides state matching dollars to federal SBIR/STTR awards to help companies bring their projects to commercialization. More information can be found in the attached guidelines document or on the web at www.mietf.org.

DTE Energy, UM create cleantech entrepreneurship contest

To help move clean energy technologies from the laboratory to commercial production, DTE Energy has joined with the University of Michigan to conduct an annual entrepreneurship competition that will challenge teams from Michigan colleges and universities to develop the best plan for bringing new clean-energy technologies to market. The prize pool for the 2009 competition will be \$100,000, which will be divided among the winning teams. For subsequent years, it is expected that the prize pool will be \$200,000.

<http://www.wwj.com/DTE-Energy--UM-Create-Cleantech-Business-Contest/2196588>
www.dtecleanenergyprize.com

Automation Alley Seed Fund

Automation Alley is a 501(c)6 non-profit and accomplishes this through a collaborative culture that focuses on workforce and business development initiatives. Automation Alley attracts the creators and consumers of diverse technologies from a variety of industries around the world. The Automation Alley region encompasses Genesee County, Livingston County, Macomb County, Monroe County, Oakland County, St. Clair County, Washtenaw County, Wayne County and the City of Detroit. Automation Alley provides seed funding for unique technology companies with intentions to create jobs in SE Michigan.

Thomas E. Anderson, PhD, MBA
Senior Director, Automation Alley
2675 Bellingham (click for map)
Troy, MI 48083
Ph - 248.457.3302
FAX - 248.457.3210

<http://www.automationalley.com>

Great Lakes Angels

GLA is a membership of a number of individual investors (approx 40) including associate members. The typical investment from GLA is \$50-300K per company. Investments normally are structured as equity, sometimes convertible debt. GLA will also syndicate deals with other angel networks when appropriate.

Requirements for Venture to Apply:

- Your company can be a pre-revenue, but should have a proof of concept
- You must have a national or global business opportunity with at least a niche need
- Revenue potential should be \$25-50 million over next 5 years (5-10x return)
- You need a good management team (or are addressing holes in management team)

Rick Galdi, President

Great Lakes Angels

Golf View Lane

Rochester, MI 48309

www.glangels.org

248.648.4747

rick@windfallprojectz.com

Bridge Loan Option

\$1,800,00 Bridge Loan is available from a local investment firm. If interested contact:

Joseph Alam or Michael Alam

Mid-States Capital, LLC

Wayne State University Research and Technology park

440 Burroughs, Suite #517

Detroit, MI 48202

313-263-4037, fax: 313-228-4506

jpa@midstatescapital.com

Grand Angels

Ms. Jody Vanderwel

10720 Adams Street

Holland MI, 49423

T: (616) 546-4559

F: (616) 396-2424

info@grandangels.org

vanderwelj@grandangels.org

<http://www.grandangels.org/>

Michigan Venture Capital Firms

http://www.michiganvca.org/membership_info/members.html

Michigan Growth Capital Association

<http://www.michiganvca.org/>

STATE WIND ENERGY RESOURCES

List your company in our new *Michigan Directory of Alternative Energy Technology Suppliers*.

The purpose of the *Directory* is to catalog Michigan companies with interest in and ability to supply developers of Alternative Energy Technologies (AET). We are expanding our supplier match making work in the wind industry to other growing energy markets. The range of equipment and product types in these markets – as well as its growth potential – is huge. The AET sector encompasses wind turbines, biofuels refineries, hybrid electric vehicles, advanced batteries and energy storage devices, photovoltaics, and passive solar heating systems. Clearly, many Michigan companies – whether or not they have prior experience in AET markets—have the know-how and competencies to contribute to the AET value chain. In order to be listed in the

Michigan Directory of Alternative Energy Suppliers – and to receive RFQs and invitations to future supplier events – you must fill out this form completely. Note that you may skip sections that do not apply to your company. Especially critical is an e-mail address, as RFQ alerts and invitations will be distributed via e-mail. If you would prefer to complete this questionnaire online, go to <http://www.nextenergy.org/whoareyou/manufacturers.aspx> and click Supplier Survey on right hand side or...
http://www.surveymonkey.com/s.aspx?sm=lcNPFE9OGRXtUB1WHtHdjg_3d_3d

Michigan Economic Development Wind Energy Business Development Manager

MEDC is working hard to provide incentives and support for companies interested in developing projects, manufacturing operations and new technology to drive a strong wind energy industry in Michigan. Please contact Eric for more information.

Eric Shreffler – MEDC
Sector Development Manager
Renewable Energy
shrefflere@michigan.org
734-953-1531

Wind Energy Manufacturing Research:

Consortium for Advanced Manufacturing of Alternative and Renewable Energy Technologies (CAMARET) held a meeting at the NextEnergy Center on December 14, 2007, which included the five universities, MEDC, NextEnergy and several Michigan based manufacturers. The focus of the discussion was on research ideas for wind turbine manufacturing. Wind turbine manufacturing was targeted as the initial activity as the state has much activity and critical mass in manufacturing of wind turbines, through the efforts of WMU, NextEnergy, MEDC, and others. Potential Manufacturing Research projects/ideas discussed include the following...

To learn more or join the group, please contact John Patten, Western Michigan University at john.patten@wmich.edu

New MSU Land Policy Institute Tool for identifying best locations for wind energy projects in Michigan

The Wind Prospecting Tool (WPT) will be divided into two segments, first an analysis and interactive map tool to find and highlight the best areas in Michigan for utility scale wind farm development. This will showcase from the perspective of large scale development, the largest and most commercially viable areas in the state. Second, a separate tool will be developed targeted at community wind development potential, and produce a community wind profile for each community with wind resources in Michigan. This tool is an initial step in informing the wind development process, and bringing stakeholders accurate reliable, and timely information. A third tool, which is a future project, will closely examine off-shore targets for wind deployment

<http://www.landpolicy.msu.edu/wpt/>

MSU Land Policy Institute, John Warbach, PhD
310 Manly Miles Building, 1405 South Harrison Road
East Lansing, MI 48823
517-432-8800 Ext. 107
warbach@msu.edu
www.landpolicy.msu.edu

Michigan State University Extension Program

MSU Extension is working with landowners in Michigan to explore their options for wind energy. The State Energy Office of Michigan and the U.S. Department of Energy are sponsoring this effort to encourage more on-farm wind energy in the state. MSU Extension also manages the Michigan Anemometer Loan Program that donates testing towers to qualifying applicants across the state.

<http://web1.msue.msu.edu/wind/>. Contact Steve Harsh at 517-353-4518 or harsh@msu.edu

MSU Land Policy Institute Releases Report on Offshore Wind Potential in Michigan

http://www.landpolicy.msu.edu/modules.php?name=News&op=viewlive&sp_id=71

MSU Land Policy Institute Releases Report on Economic Impact of Wind Industry Development

http://www.landpolicy.msu.edu/modules.php?name=News&op=viewlive&sp_id=60

MSU Land Policy Institute Releases Report on Offshore Wind Potential in Michigan

http://www.landpolicy.msu.edu/modules.php?name=News&op=viewlive&sp_id=71

Great Lakes Wind Speed and Power Density maps.

Upon clicking on the link, the file will start downloading.

http://ftp.awstruewind.com/files/NREL/NREL_GreatLakes_Final_PDFMaps.zip

http://ftp.awstruewind.com/files/NREL/NREL_GreatLakes_Final_PDFMaps_20May08.zip

Great lakes wind resources/facts

http://greatlakeswiki.org/index.php/Great_Lakes_Wind

http://greatlakeswiki.org/index.php/Wind_energy

Michigan Energy Overview

<http://www.dleg.state.mi.us/mpsc/reports/energy/energyoverview/>

OTHER WIND ENERGY RESOURCES:

Wind Energy Basics

<http://www.sandia.gov/wind/links.htm#BASICS>

How much does a wind system cost?

The cost of individual components varies greatly by size and type of turbine design. Approximate costs should be obtained through the company you are trying to license from I would suspect. A small turbine can cost anywhere from \$6,000 to \$22,000 installed, depending upon size, application and service agreements with the manufacturer.

<http://www.windpower.org/en/tour/econ/index.htm>

http://en.wikipedia.org/wiki/Wind_turbine

Great Website on Wind Manufacturing including photos and tours of wind component manufacturing plants:

<http://www.windpower.org/en/tour/wtrb/comp/index.htm>

National Renewable Energy Lab (NREL) Wind Research Center

The National Renewable Energy Laboratory's (NREL's) National Wind Technology Center (NWTC), located at the base of the foothills just south of Boulder, Colorado, is the nation's premier wind energy technology research facility. Built in 1993, the center provides an ideal environment for the development of advanced wind energy technologies. The goal of the research conducted at the center is to help industry reduce the cost of energy so that wind can compete with traditional energy sources, providing a clean, renewable alternative for our nation's energy needs. Projects include development of Low Wind Speed Technology, Utility Grid Integration, Environmental Issues and more...

<http://www.nrel.gov/wind/nwtc.html?>

AWS Wind Resource Maps

Albany, N.Y.,-based AWS Truewind LLC has completed the first high-resolution wind resource map of the contiguous U.S. Covering a land area of over 9 million square kilometers.

<http://www.awstruewind.com/>

Emerging Energy Research – Market and Supply Chain Studies

<http://www.emerging-energy.com/>

<http://www.emerging-energy.com/user/marketstudies.aspx?catid=1&cattype=MarketStudies>

BTM Consult ApS - Market and Supply Chain Studies

<http://www.btm.dk/>

<http://www.btm.dk/special-index.htm>

Sandia Reports on New Blade Designs

<http://sandia.gov/wind/topical.htm#ADAPTIVE>

Sandia Wind Blade Design Tool

<http://sandia.gov/wind/NuMAD.htm>

Small Roof Mounted Wind Turbine Performance Study

http://www.awea.org/windletter/042908_AWEA_WL.pdf

<http://www.warwickwindtrials.org.uk/8.html>

AWEA 2008 Small Wind Global Market Study and Other Small Wind Resources

http://www.awea.org/smallwind/pdf/2008_AWEA_Small_Wind_Turbine_Global_Market_Study.pdf

<http://www.awea.org/smallwind/>

New members-only online community for small wind

A new online tool is now available to those members of AWEA interested in the small wind industry. The “e-community” resource is open to all levels of AWEA membership and enables users with similar interests to share information and ideas, collaborate on projects, and communicate securely online. AWEA offers other e-communities pertaining to turbine siting, utilities, industry statistics, human resources, and AWEA’s leadership council.

To access the e-community, log in to the Members Only site at

<http://www.awea.org/membercenter/login.html> and select “e-communities” from the left navigation box. For more information on features and how to use the site, see the e-communities reference guide at http://www.awea.org/reference-guides/AWEA_ecommunities_Reference_Guide.pdf.

DOE/AWEA 20% by 2030 Report

<http://20percentwind.org/>

U.S. Department of Energy released its "Annual Report on U.S. Wind Power Installation, Cost, and Performance Trends: 2007."

The report can be downloaded at:

<http://eetd.lbl.gov/ea/ems/reports/lbnl-275e.pdf>

A PowerPoint presentation based on the report can be found at:

<http://eetd.lbl.gov/ea/ems/reports/lbnl-275e-ppt.pdf>

In Pictures: America's Best Places For Alternative Energy

http://www.forbes.com/2008/07/09/energy-solar-green-biz-energy-cx_bp_0709atlas_slide.html?thisSpeed=30000

Job Opportunities/Talent Recruiting

Business Development Manager Position - wind energy fuel cells and energy recovery technologies

We are looking for an individual for our business development department. I have attached the requirement for the position. If interested, please contact...

L-3 Communications
Combat Propulsion Systems
Tony Trautner
Recruiting Specialist
Ph: (231) 724-2805
Mobile:(231) 578-9503
Tony.Trautner@L-3Com.com



Business
DevelopmentL.doc

Lipten Company Hiring

Please find attached 3 job openings for experienced engineering and construction-related positions at Lipten Company, located in Wixom, Michigan. Qualified candidates may respond to this email with a resume and cover letter.

Fran Dorland
HR Director
Lipten Company
Hands on EPC Solutions
28054 Center Oaks Court, Wixom, MI 48393
Tel: (248) 374-8910 Fax: (248) 374-8906
e-mail: fdorland@lipten.com Web: www.LIPTEN.com.



Site Supervisor -
Construction ManageControls Technician.p



Instrumentation and
Engineering.pdf



Director of
Engineering.pdf

Environmental Health Grassroots & Online Organizer

The Ecology Center, located in Ann Arbor, is seeking a talented person to direct grassroots and online campaigns in environmental health, lead citizen engagement efforts to prevent toxic chemical pollution, promote green chemistry and safer alternatives, and reform the state and federal chemical regulatory system. Application deadline is December 5, 2008

<http://www.ecocenter.org/>

http://www.landpolicy.msu.edu/modules.php?name=Pages&sp_id=334#eceg&oo

Wind Program Coordinator

The Great Lakes Renewable Energy Association (GLREA) is hiring a Wind Program Coordinator. The Program Coordinator will be responsible for planning and executing GLREA's Michigan Wind Energy Plan. Responsibilities include maintaining the GLREA Wind Plan, conducting wind zoning presentations to local townships and county decision makers, monitoring wind energy zoning language, working on the 2009 Michigan Wind Conference, and maintaining and developing relationships in the wind industry. This is a grant-funded and limited term full-time position; an extension beyond one year is contingent on future funding status. Applications should be submitted to Jennifer Alvarado, Executive Director by 5:00 pm, Friday, October 25th 2008 – GLREA urges interested candidates to submit resumes ASAP. Applications should include a current resume and a letter of interest. You may apply by email: info@glrea.org or mail: GLREA, Attention: Jennifer Alvarado, PO Box 346, 257 S. Bridge St., Dimondale MI 48821. No phone calls please.

Wind Regional Policy Manager

The position is with Wind on the Wires, AWEA's regional partner for the Midwest. The Policy Manager—East would be responsible for all legislative, regulatory and related work for WOW for the eastern footprint of the Midwest (Illinois, Indiana, Michigan, and Ohio, possibly also to include Missouri). Applicants should apply to lbrewster@windonthewires.org



**WOW Regional Policy
Manager - East.pdf**

AWEA Wind Energy Jobs Website

www.careersinwind.com

Career Opportunities in the Wind Energy Industry:

Positions in Project Development, Turbine Design, Manufacturing, Construction, Operations, Customer Service, and more...

http://web.zackin.com/rd/cm_rdTracker.phtml?catid=919&pub=naw

Cleantech Jobs:

<http://cleantech.jobthread.com/>

Carbon Finance Jobs is promoted to a carefully selected list of more than 30,000 environmental finance and carbon finance specialists around the world

<http://www.carbon-financeonline.com/index.cfm?section=jobs>

Other Energy Jobs:

www.EnergyCentralJobs.com

Michigan Land Use Job Opportunities

http://www.landpolicy.msu.edu/modules.php?name=Pages&sp_id=334

Ann Arbor SPARK Career Services

<http://www.annarborspark.org/career-services/>

Posting a position? Looking for talent? Searching for a new career? You can submit job postings, and we will include them on our website and in our weekly talent newsletter that goes out to our job seeker database.

Amy Cell

Director, Talent Enhancement

Ann Arbor SPARK

734-821-0075

amy@AnnArborSPARK.org

FORTUNE Personnel Consultants (FPC) of Troy is a well-respected executive search firm specializing in the placement of Professionals at all levels. We are capable of covering the full spectrum of manufacturing operations, engineering, supply chain, sales, marketing and finance professionals for companies in all different industries (Alternative Energy, Consumer Goods, Automotive, i.e.). Additional expertise in technical and consulting firms exists to identify senior management in multiple disciplines. We work on both contingency and retained searches.

Walt Cempura

Executive Recruiter

F-O-R-T-U-N-E Personnel Consultants, Inc.

560 Kirts Blvd., Suite 102, Troy, MI 48084

800-536-0348, 248-244-9646 (direct), Fax 248-244-8568

wcampura@fpctroy.com

www.fpctroy.com

Aerotek, Inc. is a energy recruiting and staffing resources firm with more than 150 offices across the US and Canada provides talented professionals to an array of large national organizations and smaller local companies.

7301 Parkway Drive
Hanover, MD 21076
410-694-5100
800-237-6835
www.aerotek.com

RSMR Global Resources is the leader in retained executive search to the renewable energy industry. Since 1997, we have been working with “Green” clients, helping them find executives with the right mix of talent, vision and values to positively impact their organizations. Our knowledge of successful leaders in renewable energy, sustainability and green build is second to none.

Christopher Swan, CEO
RSMR Global Resources, Inc.
D 312.447.3011
M 312.399.5700
swan@rsmr.com
www.rsmr.com

Velocity Talent is an affiliate of the largest recruiting and placement organization in the world with over 1,000 offices worldwide,

Julie Dodds - President
Rod Carlson – Wind Energy Specialist
VELOCITY TALENT
(503) 534-0240 ext. 200
julie@velocityt.com
rod@velocityt.com

Need Skilled Tradesman?

Tradesman International is a non-union national skilled labor support company. They are already working with some of the largest manufactures and installers for wind turbines and want to get more involved in Michigan. As a partner of Tradesmen, you can tap into our 7000 employees national and over 500 employees in Michigan. Talent includes tradesmen with technical skills in electrical, fabrication, HVAC, etc. If interested, please contact...

Charlie Baird, Industrial Representative Tradesmen International
4665 44th Street, S.E. Suite 160
Kentwood, MI 49512
C-616-822-0572
O-616-942-8933
Fax 616-942-8934
charlie.baird@tradesmeninternational.com

WMSA Green Jobs Skills Alliance

The West Michigan Strategic Alliance (WMSA) is launching a new initiative to create the West Michigan Green jobs regional Skills Alliance(RSA) focused on preparing and/or transitioning workers for jobs in the alternative energy sector. These are jobs related to manufacturing and installation of components used in alternative energy, such as solar panels, or the production of alternative energy, such as technicians at the wind-power generating site. Please read the attached letter for more information and contact the West Michigan Strategic Alliance at 616-356-6060 to learn more about the Green Jobs RSA.

Natalia Powers
Events Manager
The Right Place, Inc
616-771-0327

PowersN@rightplace.org



Green Jobs RSA
recruiting letter.pdf

I hope this information was helpful

Best Regards,

Dan Radomski
VP, Industry Services
NEXTENERGY
461 Burroughs
Detroit, MI 48202
P: 313-833-0100 ext. 150
F: 313-833-0101
danr@nextenergy.org

[Subscribe free to receive NextEnergy's monthly e-newsletter...the Michigan Energy Report](#)

<http://www.wwj.com/pages/9363.php>