

vendors and workshops

MICHIGAN WIND WORKING GROUP MEETING

FRIDAY, JUNE 27RD

4:00—5:30 PM IN THE PAVILION

Curious about wind energy development in Michigan? The Michigan Wind Working Group (WWG) provides a forum for the exchange of information, helps to increase consumer awareness about wind energy potential, and identifies barriers and opportunities related to the development of wind energy. The Wind Working Group (WWG) is open to any interested party. This meeting will provide updates on wind energy in Michigan.

LOCAL VENDORS AREA

OUTDOOR TENT

Stop by the local vendors booth to sample a wide variety of creative talent and diversity celebrating local flavors and design. Products on display and available for purchase include fresh foods such as maple syrup, honey, artisan breads, baked goods and other delicious treats.

Don't miss the fragranced soaps, candles, salves, lotions and more! Dress yourself sustainably by browsing the selection of locally produced t-shirts and sustainably designed clothing products. Take a gift home for a family member or friend! Make sure you stop by the local vendors area and support area small business.

STRAW / CLAY SYSTEM WORKSHOP PRESENTED BY :



HOMES IN HARMONY WITH NATURE

STRAW / CLAY WALL SYSTEM: NATURAL MATERIALS FOR PERSONAL AND PLANETARY HEALTH

Sunday, June 24th

10:00 a.m. – 12:00 p.m. and

2:00 p.m. – 4:00 p.m.

IN THE ENTERTAINMENT / KID'S TENT

It's fascinating to learn that these local, natural, renewable and non-toxic building materials, in use for centuries, are finding their way back into today's building practices. Natural built homes enrich life and help sustain communities by investing in local economies, using less embodied energy, providing non-toxic surroundings and creating beautiful spaces.

Straw & light-clay non-load bearing walls, know historically as "Leichtlembau," provides passive energy storage in the form of thermal mass, insulates, moderates indoor moisture, and allows the building to naturally permeate odors and toxins that may accumulate.

Harmony Home Construction, an Energy Star Partner, demonstrates their method of natural building techniques and materials that meet or exceed the minimum building code, help achieve Energy Star and other Green Building standards in the homes they design and build. Learn how we can build sustainably reducing our dependence on fossil fuels and reducing our carbon footprint.

PRESENTERS:

Larry Kinney

Harmony Home Construction LLC

877-45-GREEN

info@harmonyhomeconstruction.com

This special workshop is free, but space is limited. Please pre-register, or pick up a ticket at the Fair Registration desk.

friday workshops

	3:00-3:50 PM	4:00-4:50 PM	5:00-5:50 PM
Renewable Energy / Alternative Energy TENT 1 <i>Sponsored by State of Michigan Energy Office</i>	Geothermal Heating and Cooling <i>Kirk Patton, Patton Mechanical LLC</i> Learn about proper design of geothermal systems (open and closed loop), energy savings, and hybrid geothermal installations.	The Many Uses of Corn <i>Amy Garrison, Corn Marketing Program of Michigan</i> The PowerPoint presentation will include basic information on corn-based products to help educate the general public about the renewable resource.	Opportunities in Michigan Wood Energy <i>Jessica Simons, Southeast Michigan RC&D Council</i> Discuss recent research findings in wood biomass resource availability and boiler retrofit opportunities, showcase wood energy demonstration projects and available education tools.
Policy Track TENT 2 <i>Sponsored by Bauer Power, Inc.</i>	Blowing in the Wind—Potential Opportunities in Wind Energy for Schools & Local Governments <i>Jon D. Kreucher, Howard & Howard Attorneys PC</i> While still “Leading Edge”, the use of wind turbine technology by schools and governments is no longer “Bleeding Edge”, and should be considered as a potential opportunity by community leaders.	HB 5218—Michigan Renewable Energy Resources Act <i>State Representative Kathleen Law</i> To discuss the need and potential economic, security, employment and sustainable energy benefits from implementing Feed-In Tariffs (FITs) in Michigan.	Michigan Renewable Energy Program Open Forum <i>Tom Stanton, MREP/MPSC</i> This session includes three parts: (1) A mini ‘State of the State of Michigan Energy’ report; (2) An open forum of Michigan Renewable Energy; (3) An open space to talk about Michigan Renewable Energy.
Energy Efficiency Track TENT 3 <i>Sponsored by DTE Energy / Mich-Con</i>	Home Performance Benefits: Energy Savings Isn’t the Half of it! <i>Matt Rosendaul, Great Lakes Home Performance, LLC and Lansing Community College</i> Present common problems and solutions to home performance issues, especially mysterious or commonly misdiagnosed issues such as ice dams and pests.	Improve Your House’s Energy Efficiency <i>Bob Fegan, DTE Energy/MichCon</i> This session will cover major aspects of DIY and professional residential energy audits.	
Economic Track TENT 4 <i>Sponsored by Greater Media Detroit</i>	How to Finance Community/Distributed Wind Projects <i>Karl Kaufman, 21st Century Green Solutions, Steve Pugsley, Renewable Energy Group</i> This presentation will describe Community/Distributed Wind, outline opportunities, detailed financing and list expert resources.	Do we have enough ‘Water to Waste’? <i>Dendra J Best, Onsite Wastewater of Northwest Michigan</i> Learn about the link between water use and energy consumption. Presentation will emphasize the relationship between energy and wastewater infrastructure.	Investing: Green on Green <i>Jeff Kingzett, Merrill Lynch</i> A session for people who want to learn how to invest in green energy... everything from fixing leaks in your own house to selecting green mutual funds.
Green Building Track TENT 5 <i>Sponsored by Hybrid Homes</i>	Solar Energy Project for Non-Profit Housing <i>Bob Tinker, Kelly-Tinker Architects</i> Learn about real-world examples of older buildings being retrofitted for renewable energy. Barriers, successes and recommendations will be given.	Roof and Attic Ventilation <i>Thomas Corwin Sr., Corwin Industries</i> This seminar will cover ventilation needs for the attic, the best kind of ventilation, how to eliminate roof ice problems and how to keep the attic cooler.	Aloeterra’s 2007 Solar Decathlon House in Review <i>Jody Washington, Lawrence Technological University</i> This presentation demonstrates the available sustainable technologies on the market today. It will explain the functions and benefits of the materials used in the 2007 Solar Decathlon Home.

saturday workshops

	10:00 -10:50 AM	11:00 -11:50 AM	12:00-12:50 PM
Renewable Energy / Alternative Energy TENT 1 <i>Sponsored by State of Michigan Energy Office</i>	The Next Generation in Energy Efficient and Renewable Energy Technologies <i>John Barrie, John Barrie Associates Architects</i> To inform people about new and proposed energy technologies in the developed world and how appropriate technologies are changing lives in less economically developed countries.	Solar Lighting with LED, Fluorescent and Halogen Lamps <i>Ced Currin, Currin Corporation</i> Provide overview of basic solar lighting principles when using LED, fluorescent and halogen lamps.	Biodiesel: An Important Step Towards Energy Independence <i>Jeremy Whiddon, Crystal Flash Energy</i> Attendees will learn about what biodiesel is and is not, how it is made, how much is being used, and what's around the corner for this alternative fuel.
Policy Track TENT 2 <i>Sponsored by Bauer Power, Inc.</i>	Wind Powering Michigan <i>John Sarver, State of Michigan Energy Office</i> Provide an overview of wind energy potential, issues, projects, and available assistance.	Alternative Energy Legislative Update <i>Jennifer Utter Heston, Fraser Trebillock Davis & Dunlap, P.C.</i> To provide information about legislation that could impact the alternative energy industry in Michigan.	HB 5218—Michigan Renewable Energy Resources Act State Representative Kathleen Law To discuss the need and potential economic, security, employment and sustainable energy benefits from implementing Feed-In Tariffs (FITs) in Michigan.
Energy Efficiency Track TENT 3 <i>Sponsored by DTE Energy / MichCon</i>	Combining Indoor Air Quality and Energy Efficiency <i>Jim Barnes, Eco-Building Products, Inc.</i> Learn about which conventional building materials have toxic chemicals and off-gas into our living and working space. Learn how to work safely with toxic, conventional materials as well as select alternative materials that are safe.	Know your LCI from your LCA, what makes "green" things "green" <i>Robert De Vries, Nu-Wool Company</i> Learn what LEED, BEES, LCI and LCA are all about.	What's the Big Deal about LEED? <i>Samuel D Pobst, US Green Building Council, West Michigan Chapter</i> This is an introductory class on the USGBC's LEED design standards, and the economics of green building. Attendees will learn of the origins of LEED, LEED goals, and how you can benefit from having a high performance green building.
Economic Track TENT 4 <i>Sponsored by Greater Media Detroit</i>	Preemptive Recycling Strategies <i>Cary Urka, The Farmer's Workshop</i> This presentation will cover economics of practical applications and examples from the farm as applied to creating immediately useful, value-added products thru preemptive recycling strategies.	Beyond Compact Fluorescents: Serious home scale conservation projects for the twenty-first century <i>Dan Fortson, Fronius-USA</i> To present & discuss a wide array of practical conservation & efficiency measures for home use in the Michigan environment.	Economic Analysis of RE Systems <i>John Richter, ISEE</i> This seminar will provide the tools to do your own economic analysis. It will cover energy units and pricing, the calculation of payback periods, Return-on-Investment, the time-value of money and discounted life-cycle cost.
Green Building Track TENT 5 <i>Sponsored by Hybrid Homes</i>	Every Child in a Green School in One Generation <i>Samuel D Pobst, USGBC</i> Understand the tools to become an advocate for green schools in your district. Protect our children, and help them get a better education.	Natural Earth Plaster Made Easy <i>Drew Beninati</i> This seminar will demonstrate the ease and benefits of earth plastering with American Clay.	Aloeterra's 2007 Solar Decathlon House In Review <i>Jody Washington, Lawrence Technological University</i> This presentation demonstrates the available sustainable technologies on the market today. It will explain the functions and benefits of the materials used in the 2007 Solar Decathlon Home.

saturday workshops

	2:00-2:50 PM	3:00-3:50 PM	4:00-4:50 PM
	<p>Michigan Clean Cities Coalition: Clean Transportation Funding and Technology Resource <i>Dan Radomski & Maggie Striz Calnin</i> To inform and educate attendees and participants on options available through the Clean Cities program to assist fleet managers and transportation directors in “greening their fleets and vehicles”.</p>	<p>How to Convert your Internal Combustion Vehicle to an all Electric Vehicle <i>Richard Marks, John Mogelnicki, Larry Tuttle, Michigan Electric Auto Association</i> Instruct the audience on the how’s of doing a conversation that meets production vehicle safety and performance standards.</p>	<p>Ethanol: Past, Present and Future <i>Lisa Scramlin, Corn Marketing Program of Michigan</i> Educate attendees about ethanol, a clean burning, high-octane renewable fuel.</p>
	<p>Crude Awakening: Peak Oil and the Wolf at the Door, part-1 <i>Tim Hudson, Institute for Sustainable Energy Education (ISEE)</i> Discussion of Peak Oil and it’s consequences.</p>	<p>Crude Awakening: Peak Oil and the Wolf at the Door, part-2 <i>John Richter, Sustainable Energy Education (ISEE)</i> Discussion of Peak Oil and it’s consequences.</p>	<p>Crude Awakening: Peak Oil and the Wolf at the Door, part-3 <i>John Richter, Institute for Sustainable Energy Education (ISEE)</i> Answer questions and share people’s perspective on Peak Oil.</p>
	<p>Green Energy Extreme Home Makeovers <i>Amy Butler, Michigan DEQ</i> This workshop presents basic guidelines and a systematic approach for how to plan your green energy makeover for your home. Case studies will be presented by developers of a few successful Michigan projects.</p>	<p>Improve Your House’s Energy Efficiency <i>Bob Fegan, DTE Energy/MichCon</i> This session will cover major aspects of DIY and professional residential energy audits.</p>	<p>Building Techniques and Considerations with Energy Efficiency <i>Adam Bearup, Hybrid Homes</i> Learn about techniques and real-world applications of energy efficient technologies.</p>
	<p>Tax Credits, Grants and More <i>John Sarver, State of Michigan Energy Office</i> Presentation will cover federal tax credits, Energy Offices, USDA grants, MI-REX green tags and green jobs.</p>	<p>If Water Is the New Currency, do we have enough ‘Water to Waste’? <i>Dendra J Best, Onsite Wastewater of Northwest Michigan</i> Come learn about the link between water use and energy consumption. Presentation will emphasize the relationship between energy and wastewater infrastructure.</p>	<p>Roof and Attic Ventilation <i>Thomas Corwin Sr., Corwin Industries</i> This seminar will cover ventilation needs for the attic, the best kind of ventilation, how to eliminate roof ice problems and how to keep the attic cooler.</p>
	<p>Natural Building in the Great Lakes Bioregion <i>Deanne Bednar, Strawbale Studio Natural Building Project</i> The seminar will share regional projects and opportunities. It will help expand the Great lakes Regional Natural Building Network.</p>	<p>M.A. EcoVillage—Passive House Affordable Path to Zero Energy & Carbon Neutrality <i>Christina Snyder, RA, Sustainable Spaces</i> Demonstrating the possibility of breathing a neighborhood of affordable homes through the Passive House Standard and solar zoning of a neighborhood.</p>	<p>Green Energy Extreme Commercial Building Makeovers <i>Amy Butler, Michigan DEQ</i> This workshop presents basic guidelines and a systematic approach for how to plan your green energy makeover for a school, office, or commercial building. Case studies will be presented by developers of a few successful Michigan projects.</p>

sunday workshops

	10:00 -10:50 AM	11:00 -11:50 AM	12:00-12:50 PM
Renewable Energy / Alternative Energy TENT 1 <i>Sponsored by State of Michigan Energy Office</i>	Michigan Renewable Energy Program Open Forum <i>Tom Stanton, MREP/MPSC</i> This session includes three parts: (1) A mini 'State of the State of Michigan Energy' report; (2) An open forum of Michigan Renewable Energy; (3) An open space for Michigan Renewable Energy.	Michigan Clean Cities Coalition: Clean Transportation Funding and Technology Resource <i>Dan Radomski & Maggie Striz Calnin</i> To inform and educate attendees and participants on options available through the Clean Cities program to assist fleet managers and transportation directors in "greening their fleets and vehicles".	Wind Powering Michigan <i>John Sarver, State of Michigan Energy Office</i> Provide an overview of wind energy potential, issues, projects, and available assistance.
Policy Track TENT 2 <i>Sponsored by Bauer Power, Inc.</i>	Zoning Regulations and Incentives for Sustainability and Renewable Energy <i>Landon Bartley, City Planner, City of Grand Rapids</i> To explain what Grand Rapids is doing to promote sustainability without compromising neighborhood character or private property rights.	Alternative Energy Legislative Update <i>Jennifer Utter Heston, Fraser Trebillock Davis & Dunlap, P.C.</i> To provide information about legislation that could impact the alternative energy industry in Michigan.	Energy Solutions and False Solutions <i>Jodie Van Horn, Rainforest Action, & Brandon Knight, Global Exchange</i> This workshop will attempt to clarify the significance and contributions of many available energy "solutions" aimed at addressing our dependence on fossil fuels and climate change.
Energy Efficiency Track TENT 3 <i>Sponsored by DTE Energy / MichCon</i>	Introduction to Passive Solar <i>Wayne Appleyard, Sunstructures Architects</i> Learn about the most cost effective use of solar energy and one that is often overlooked. Learn about energy conservation, different types of glass, different uses and what works best in Michigan.	The NEW LEED for Existing Buildings <i>Samuel D Pobst, USGBC, W Michigan Chapter</i> Standards of LEED for Existing Buildings have changed. Find out how this will help you to make your building inventory much more efficient.	Beyond Compact Fluorescents: Serious home scale conservation projects for the twenty-first century <i>Dan Fortson, Fronius-USA</i> To present & discuss a wide array of practical conservation & efficiency measures for home use in the Michigan environment.
Economic Track TENT 4 <i>Sponsored by Greater Media Detroit</i>	Economic Analysis of RE Systems <i>John Richter, ISEE</i> This seminar will provide the tools to do your own economic analysis. It will cover energy units and pricing, the calculation of payback periods, Return-on-Investment, the time-value of money and discounted life-cycle cost.	Tax Credits, Grants and More <i>John Sarver, State of Michigan Energy Office</i> Presentation will cover federal tax credits, Energy Offices, USDA grants, MI-REX green tags and green jobs.	How to Finance Community/Distributed Wind Projects <i>Karl Kaufman, 21st Century Green Solutions, Steve Pugsley, Renewable Energy Group</i> This presentation will describe Community/Distributed Wind, outline opportunities, detailed financing and list expert resources.
Green Building Track TENT 5 <i>Sponsored by Hybrid Homes</i>	The Onekama Hybrid Home <i>Adam Bearup, Hybrid Homes</i> This session will focus on the success of the LEED Platinum certified Hybrid Home. Learn about the building process from beginning to completion.	Natural Earth Plaster Made Easy <i>Drew Beninati,</i> This seminar will demonstrate the ease and benefits of earth plastering with American Clay.	M.A. EcoVillage—Passive House Affordable Path to Zero Energy & Carbon Neutrality <i>Christina Snyder, RA, Sustainable Spaces</i> Demonstrating the possibility of creating a neighborhood of affordable homes through the Passive House Standard and solar zoning of a neighborhood.

sunday workshops

	2:00-2:50 PM	3:00-3:50 PM
	<p>Renewable Energy—A Cornucopia of Benefits <i>John Richter, ISEE</i> This seminar outlines the environmental, supply security and <u>economic</u> benefits of renewable energy. It will compare the societal costs of conventional energy versus the apparent “premium” cost of renewables.</p>	<p>Ethanol: Past, Present and Future <i>Lisa Scramlin, Corn Marketing Program of Michigan</i> Educate attendees about ethanol, a clean burning, high-octane renewable fuel.</p>
	<p>Stop Michigan’s Coal Rush <i>Tom Karas, Michigan Land Use Institute</i> Public education about the current coal situation. The future economic and financial impacts of coal fired power plants. And the impacts on renewable energy advocates if Michigan becomes a state dominated by coal power plants.</p>	<p>Zoning, Planning and Siting for Wind Development <i>Jeremy Wittrock, GLREA</i> This presentation will cover siting principles and best practices when considering wind projects. The process oriented planning projects in Manistee, Saginaw and Berrien counties will be discussed.</p>
	<p>HVAC Energy Solutions Made Simple <i>Steve Verbrugghe, Hot Watt Solar, LLC</i> This presentation will give the consumer low cost solutions to significantly lower or eliminate the electric cost when using AC & refrigeration systems.</p>	
	<p>An Introduction to Home Canning <i>Timothy Fitzgerald Young, Food For Thought</i> This seminar will introduce attendees to the basics of home canning and inspire people to take more control over their food choices.</p>	
	<p>Natural Building in the Great lakes Bioregion <i>Deanne Bednar, Strawbale Studio Natural Building Project</i> The seminar will share regional projects and opportunities. It will help expand the Great lakes Regional Natural Building Network.</p>	<p>Got Solar Roof?? The Ann Arbor 5000 Solar Roofs Program <i>Wayne Appleyard, Sunstructures Architects</i> This seminar will inform about what constitutes an acceptable “solar roof” (angle and orientation) and what Ann Arbor is doing with the 5000 Solar Roofs Program.</p>