

Friday Workshops

	3:00 - 3:50 PM	4:00 - 4:50 PM	5:00 - 5:50 PM
Renewable/ Alternative Energy Tent 1 Sponsored by State of Michigan Energy Office	Solar Options for Contractors Robert Allen, Luma Resources Gary and Robert Allen work with customers who demand great design, and the Allen brothers have designed systems specifically for horizontal residential applications.	Heating with Biomass Fuel Mark Seamon, Michigan State University - Product Center An overview of considerations for those interested in heating small to mid sized buildings and or businesses using biomass fuel.	Method for converting Waste plastic to Hydrocarbon Fuel Material Shashi Parulekar Come and learn about a new innovation for converting wastes from plastic factories into a new fuel source.
	Michigan's Net Metering Program and Interconnection Rules MPSC Details about the new program and what interested customers should know about planning their systems and getting started, both for the homeowner and the contractor.	Update- The Michigan Coal Rush Tom Karas, Michigan Energy Alternatives Project Explain where Michigan is in relation to the 8 original coal plant proposals	Alternative Energy Legislative Update Jennifer Utter Heston, Fraser, Trebilcock, Davis & Dunlap, P.C. Information about legislation that could impact the alternative energy industry in Michigan.
Energy Efficiency and Education Tent 3 Sponsored by DTE Energy / Michcon	Conservation Starts at the Bottom Doug Davis, Great Lakes Superior Walls An informative look at how much energy is lost below grade in a home. An introduction to ways of: reducing energy loss, building a foundation with no waste on the job site and without any toxic chemicals coming into contact with the ground.	New Energy Optimization Program from DTE Energy Bob Fegan, DTE This presentation will discuss the new incentives available for all customers of Detroit Edison and MichCon who take energy optimization action to reduce the amount of energy used by their house , business or industrial process.	Limits to Growth and the Exponential Function John Richter, Institute for Sustainable Energy Education Most human impacts on the planet have been growing exponentially. But you cannot contain exponential growth in a finite environment. This workshop reveals the mathematics of exponential growth and outlines trends in population and global stresses.
	Economic Analysis of RE Systems John Richter, Institute for Sustainable Energy Education Teach participants to compute payback period, return on investment, and discounted life-cycle cost for residential RE systems	Keys to Maximize Incentives for Utility Scale Renewables Jon Sluis and Brian Hammer, Plante Moran An overview of federal and state incentives available for utility scale renewable projects (Wind, BioEnergy, Solar). Provide an update on the American Recovery and Reinvestment Act.	Tax Credits, Grants and More John Sarver, Michigan Department of Energy Highlight of financial assistance available to homeowners, businesses, and public institutions for energy efficiency and renewable energy.
Green Building Tent 5 Sponsored by: Patriot Solar	Sustainable Living Practices Donna Dolkowski, Carbon Credit Environmental Services Introduction to sustainable living practices covering: Green construction, sustainable agriculture, sources of renewable energy and infill development.	A Net Zero Energy Home for Michigan Wayne Appleyard, Sunstructures The European "PassivHaus" concept meets grid tied PV in the Michigan climate. The results of an optimization approach to systems integration and extensive computer simulations.	Can Passive House Become the Next Model T? Michael T. Klinger, Energy Wise Homes, Inc. Discussion of Passive House design principles. Implementing passive house standards in production building

Saturday Workshops

10:00 - 10:50 AM

11:00 - 11:50 AM

12:00 - 12:50 PM

Renewable/ Alternative Energy Tent 1 Sponsored by State of Michigan Energy Office	An Introduction to Passive Solar Wayne Appleyard, Sunstructures Architect The most cost effective use of solar energy and one that is often overlooked. Includes specifics on different uses of mass and what combination works best in Michigan	Alternative Energy Education and Training Opportunities David Wilson, Lansing Community College General information on degrees, certificates, and specialized training in alternative energy.	New Uses of Corn Jamie Cook, Corn Marketing Program of Michigan Learn about the many new uses of corn and their positive environmental impacts.
	Wind Energy Lease and Easement Agreements Jennifer Utter Heston, Fraser, Trebilcock, Davis & Dunlop, P.C. Tips and information concerning wind energy lease and easement agreements	Innovation in Water Engineering – Replumbing the Sustainable Future Dr. Richard Otis, Otis Environmental Consultants Sustainable systems should be an option considered in water system planning, design, and infrastructure maintenance. Notable case studies will be shown.	Michigan Energy Policy State of the State MPSC Update on what is happened since last years Michigan Energy Fair including discussion of the RPS and net metering.
	First Aid for Water Reuse - CPR Not Required! Craig Seger An innovative and cost effective system suitable for providing a closed loop wastewater system 'off grid' which directly recharges the water system and protects the local environment. Case study from Irons, Michigan	New Energy Optimization Program from DTE Energy Bob Fegan, DTE This presentation will discuss the new incentives available for all customers of Detroit Edison and MichCon who take energy optimization (efficiency) action to reduce the amount of energy used by their house , business or industrial process.	Drops to Watts Dendra Best, Onsite Wastewater of Northwest Michigan This presentation will document how reducing water consumption translates into real energy efficiency and how water recycling in LEED certified buildings saves \$\$\$\$.
Energy Efficiency and Education Tent 3 Sponsored by DTE Energy / Michcon	Keys to Maximize Incentives for Residential Renewables Jon Sluis and Brian Hammer, Plante Moran An overview of federal and state incentives available for residential renewable projects (Wind, BioEnergy, Solar). Provide an update on the American Recovery and Reinvestment Act.	Financing Options for Community Renewables Paul M. Hoag, North Coast Wind and Power of Michigan Explain funding and grant processes with various Federal and State funds and bond programs. Learn about the impact of the stimulus package on funding and changes in the USDA Rural Development and small business grant and loan programs.	Tax Credits, Grants and More John Sarver, Michigan Department of Energy Highlight of financial assistance available to homeowners, businesses, and public institutions for energy efficiency and renewable energy.
	Greening Your Child's School Samuel Pobst, Eco Metrics LLC Demonstration of the benefits of Green Schools for the school district, students, staff and parents. Provide access to tools to help anyone become a catalyst to bring Green Schools to their community.	Designing a green home 101 Ed Kelly, Kelly Tinker Architects Overview on simply changes in building design to make things more energy efficient and how to plan for future renewable energy systems on a home.	High Performance Green Buildings Jan Culbertson, A3C - Collaborative Architecture Define High Performance Green Buildings (HPGB) and programs and benchmarks for HPGB. Discussion on how saving energy saves money.
	Financing/ Outlook Tent 4 Sponsored by: Duke Energy	Greening Your Child's School Samuel Pobst, Eco Metrics LLC Demonstration of the benefits of Green Schools for the school district, students, staff and parents. Provide access to tools to help anyone become a catalyst to bring Green Schools to their community.	Designing a green home 101 Ed Kelly, Kelly Tinker Architects Overview on simply changes in building design to make things more energy efficient and how to plan for future renewable energy systems on a home.
Green Building Tent 5 Sponsored by: Patriot Solar	Greening Your Child's School Samuel Pobst, Eco Metrics LLC Demonstration of the benefits of Green Schools for the school district, students, staff and parents. Provide access to tools to help anyone become a catalyst to bring Green Schools to their community.	Designing a green home 101 Ed Kelly, Kelly Tinker Architects Overview on simply changes in building design to make things more energy efficient and how to plan for future renewable energy systems on a home.	High Performance Green Buildings Jan Culbertson, A3C - Collaborative Architecture Define High Performance Green Buildings (HPGB) and programs and benchmarks for HPGB. Discussion on how saving energy saves money.

Saturday Workshops

1:00 PM	2:00 - 2:50 PM	3:00 - 3:50 PM	4:00 - 4:50 PM
	The Renewable Fuels Standard for America Jeremy Whiddon, Crystal Flash Energy	Community Wind Options and Local Ownership Melissa Peterson, Windustry	Heating with Biomass Fuel Mark Seamon, Michigan State University - Product Center
	The Renewable Fuels Standard (RFS) is pushing America's transportation away from dirty sources of fuel. This presentation looks at the law, its rationales and how fuels like biodiesel and ethanol are playing a role in greening our transportation fuels.	An in-depth look at the benefits of community wind development and successful ownership models. Learn about the opportunities and tools for local ownership through Windustry's experience and insight, including how to evaluate land contracts.	An overview of considerations for those interested in heating small to mid sized buildings and or businesses using biomass fuel.
	Citizens for Alternatives to Chemical Contamination CCAC	Crude Awakening: What Ever Happened to Peak Oil Part 1	Crude Awakening: What ever happened to Peak Oil Part 2
		Tim Hudson, Institute for Sustainable Energy Education	John Richter, Institute for Sustainable Energy Education
	Annual Meeting – Open to the public:	Discussion of Peak Oil and it's consequences	Discussion of Peak Oil and it's consequences
	Why Energy Matters	Organizing Community Energy Efficiency	100% Renewables for Michigan It Can Be Done!
	Michael Holcomb, Alliance for Environmental Sustainability	Dr. David Johnson, Michigan State University	Wayne Appleyard, Sunstructures Architect
	Learn about the building science of your home: -Energy Wasted -Insulation -HVAC Systems -Energy Efficiency -Energy Ratings	Learn to apply community organization principles to energy efficiency projects through a presentation of the characteristics and services provided by successful programs. Learn to evaluate your project.	This is a cursory look at what a combination of renewables, storage and energy efficiency might produce for Michigan. Including a look at a University of Michigan Study for a 100% combined power plant to power UofM
	Show Me the Money: Discussion on Grants and RFP	New Appropriate Technologies-Sustainable and Affordable Technologies Changing the World	Renewable Energy for Government Entities
	MPSC	John Barrie- The Appropriate Technology Collaborative	Kari Costanza, Thrun Law Firm
	Attend this workshop to learn about the key points in writing an effective Request for Proposal and grants. Specifically, targeting those funded by state and federal opportunities.	Overview of small scale solar, wind, biofuels, solar refrigerators and water purification systems that are easy to build, inexpensive and maintainable.	To alert municipalities to the opportunities under PA 295 as well as new Federal financing opportunities available under both the Emergency Economic Stabilization Act of 2008 as well as the stimulus package.
	Green Building Overview	Renewable Energy and Sustainable Building: Keys to a Sustainable Lifestyle	Ecological Landscapes
	Wayne Appleyard, Sunstructures	Adam Bearup, Hybrid Homes	Jerad Crump, i4group, INC.
	Presentation on what all is included in green building. Including LEED building and Natural Building	This workshop will discuss a sustainable lifestyle, sustainable building, and using renewable energy to compliment them both. This workshop will help the attendee discover their own definition of a sustainable lifestyle.	Create Landscapes that reduce energy consumption. Utilize edible plant species to produce fruits, nuts, and berries. Grow perennial herbs. Incorporate native plants that tolerate local conditions well.

Sunday Workshops

10:00 - 10:50 AM

11:00 - 11:50 AM

12:00 - 12:50 PM

Renewable/ Alternative Energy Tent 1 Sponsored by State of Michigan Energy Office	Alternative Energy Education and Training Opportunities David Wilson, Lansing Community College General information on degrees, certificates, and specialized training in alternative energy.	Learn How Community Waste Produces Energy Steve Pugsley, Midwest Renewable Energy LLC Present examples of how municipal solid waste and your town's wastewater treatment plant can be used to produce a variety of renewable energy products.	Going Green: Information Resources for Energy Efficiency and Renewable Energy Kaitlyn Cramer, Michigan Bureau of Energy Systems Information on multiple Internet resources addressing energy policy, energy efficiency, renewable energy and the "green" movement with an emphasis on State resources and information.
	Michigan Energy Policy State of the State MPSC Update on what is happened since last years Michigan Energy Fair including discussion of the RPS and net metering.	Net Metering and What it Means for Installers MPSC Come and learn what the new net-metering guidelines mean for those installing renewable energy systems.	Summary of decision and policy support research at the Land Policy Institute Charles McKeown, Michigan Land Policy Institute Gain insight on some of the new Land Policy Institutes research regarding offshore council, WRZB, brownfield opportunities, public opinion studies and additional Land Policy Studies.
Energy Efficiency and Education Tent 3 Sponsored by DTE Energy / Michcon	Organizing Community Energy Efficiency Dr. David Johnson, Michigan State University Learn to apply community organization principles to energy efficiency projects through a presentation of the characteristics and services provided by successful programs. Learn to evaluate your project.	New Energy Optimization Program from DTE Energy Bob Fegan, DTE This presentation will discuss the new incentives available for all customers of Detroit Edison and MichCon who take energy optimization (efficiency) action to reduce the amount of energy used by their house , business or industrial process.	Community Based Green Energy Futures Planning MPSC Review of green jobs and careers in the renewable energy field
	Preemptive Recycling Strategies: Turning Pre-Recycling Facility/Landfill-Destined Materials from a Liability into a Crucial Asset Cary Urka, Urka Farms information on the economics of practical applications from the farm as applied to creating useful, value-added products through preemptive recycling strategies.	New Appropriate Technologies- Sustainable and Affordable Technologies Changing the World John Barrie, The Appropriate Technology Collaborative Overview of small scale solar, wind, biofuels, solar refrigerators and water purification systems that are easy to build, inexpensive and maintainable.	Keys to Maximize Incentives for Community Renewables Jon Sluis and Brian Hammer, Plante Moran An overview of federal and state incentives available for community renewable projects. Provide an update on the American Recovery and Reinvestment Act.
Green Building Tent 5 Sponsored by: Patriot Solar	Ecological Landscapes Jerad Crump, i4group, INC. Create Landscapes that reduce energy consumption. Utilize edible plant species to produce fruits, nuts, and berries. Grow perennial herbs. Incorporate native plants that tolerate local conditions well.	Solar Options for Contractors Robert Allen, Luma Resources Gary and Robert Allen work with customers who demand great design, and the Allen brothers have designed systems specifically for horizontal residential applications.	Green homes for Today, Green jobs for tomorrow Chris Hall and Brian Shultz, Habitat for Humanity - Kent County / Grand Rapids Community College Habitat for Humanity of Kent County has built 40 LEED Certified homes since 2007. They've committed to build 100% LEED Certified homes.

Sunday Workshops

2:00 - 2:50 PM

3:00 - 3:50 PM

Geothermal Heating, Cooling and Hot Water	The Renewable Fuels Standard for America
Kirk Patton, Patton Mechanical / Montgomery Heating & Cooling	Jeremy Whiddon, Crystal Flash Energy
Learn how to properly design a geothermal heating, cooling, and hot water system for your home	The Renewable Fuels Standard or RFS is pushing America's transportation away from dirty sources of fuel. This presentation looks at the law, its rationales and how fuels like biodiesel and ethanol are playing a role in greening our transportation fuels.
Renewable Energy is a Bargain	
John Richter, Institute for Sustainable Energy Education	
This seminar outlines the environmental, supply security, and economic benefits of renewable energy. It examines the numerous societal costs of conventional energy that are not reflected in the price tag, and compare them to the apparent "premium" cost of renewables.	
Building the 100% Sustainable Future to generate jobs, and energy for our great, great, great, grandchildren!	Strategies for a Water Wise Home
Mr. Kim Gyr, Green Millennium	Jason La Fleur, Eco Achievers
Discussion on designs for a 100% Sustainable Future to generate jobs and energy for future generations.	Introduction to ways in which to conserve and reduce indoor and outdoor water consumption. Realize the value of water as a resource through overall water conservation.
How Much Will I Get Paid for Green Energy I Produce in Michigan	Green Collar Jobs Review
MPSC	Scott DeSilva
	An overview of what green jobs are available, how to get them, re-training for green collar economy, current and future opportunities.
New Mind, Body & Spirits Organic Restaurant, Rochester, MI	High Performance Green Buildings
Bob Tinker, Archipolis Architects, LLC	Jan Culbertson, A3C - Collaborative Architecture
Information on sustainable building and green building practices for a restaurant. Discussion of building energy efficiency improvements, energy efficient HVAC operation systems, passive solar and renewable energy applications and sustainable green building interior finishes.	Define High Performance Green Buildings (HPGB) and programs and benchmarks for HPGB. Discussion on how saving energy saves money.