



IOWA RENEWABLE ENERGY ASSOCIATION
Making Renewable Energy A Reality

March 2011

Upcoming Trainings :

Prairiewoods **March 12**
Solar Hot Water
101

Kirkwood **April 2**
Solar Hot Wat

Kirkwood **April 16** **PV101**

Kirkwood **May 7** **Wind101**

Prairiewoods **May 12** **PV SA**

Register: www.irenew.org



Members/Sponsors/Vendors,
There is still plenty of time to register for the 2011 Iowa Renewable Energy Association Symposium and Exposition at the University of Iowa, Iowa Memorial Union in Iowa City, Iowa from April 28-May 1, 2011. This year's theme is "Bright Green Business;" our line up of speakers, workshops and trainings offering Continuing Education and LEED Credentialing Maintenance will not disappoint. Be sure to sign up as soon as possible. Following are a few very important dates:

- Regular Booth Registration (\$300) is **March 1-April 28**
- Register by **March 15, 2011** for listing in Expo Marketing
- Walk-In Registration is **April 29, 2011** (Booth Cost is \$350)

Registration forms are included in this newsletter or register: at www.irenew.org or call Steve at **319.338.1076**



Bright Green Business

**Iowa Renewable Energy Association
Symposium and Exposition, 2011**

Iowa City, Iowa • April 28 – May 1, 2011

Thank you to Robyn Hepker of Benson and Hepker Design, Iowa City, for donating artwork for our 2011 symposium and exhibition marketing!



March 2011



Dear Members,

Here we are, once again, at the beginning of a year that holds great potential for Renewable Energy and our organization. After a long, cold and icy slog through winter I am definitely ready to soak up a few photons myself! With the price of a barrel of crude oil hitting \$105 per barrel this week, the security and economy of generating your own energy becomes that much more appealing. We look forward to providing multiple opportunities for our members to participate in renewable energy education and installation events.

We have already held our first workshop at Prairiewoods, and are offering Solar Thermal Hot Water this Saturday, March 12, 2010. Our 101 classes are a great way to get excellent basic training at a very reasonable cost. Prairiewoods is proving to be an ideal location for our classes and we could not ask for more gracious hosts for our educational efforts. I invite you to visit the Iowa Renewable Energy Training Center (IRETC). Check our website for upcoming dates of open houses and come see PV and Solar Thermal systems in action (did I mention that IRETC is powered by 100% renewable energy?)

This is our first year holding our annual Renewable Energy Expo in the spring (many of you will recall it has been a

fall event in the past). A great majority of the events will be housed inside, at the University of Iowa Memorial Union and we are enthusiastic about being hosted at such a wonderful facility.

Many of the exhibitors that you have grown fond of over the years will be there as well as some of the new technology providers and tradespeople that you can use to improve your energy independence. This will be our biggest show ever and we need your help to make it run smoothly. If you can help for even a few hours, it makes you a member of our team and gets you in free. Just drop an email to: gina@irenew.org to let her know when you can help out.

Friday, April 29 is the Symposium, a day dedicated to professional development followed by traditional Expo workshops, speakers, demonstrations and collaborative interaction throughout Saturday, April 30th and Sunday, May 1, 2010. Exhibitors will be in the main lounge and workshops on the third floor. Other event highlights include: former Iowa Football player Tim Dwight will give his dynamic presentation on how PV can score big this year; Governor Branstad will be stopping in on Friday to share his thoughts and answer questions; we will have our clean car show in front of Hubbard Park where you can see the newest electric cars and charging station as well as Liz Christiansen's Zen™ car.

We are still looking for speakers to share their experiences; you need not be a polished professional public speaker to share your expertise so give Gina in our office a call to discuss your presentation at 319.338.1076.

If you have any questions about renewable energy, give us a call!

Steve Fugate

Executive Director



Energy and Jobs; Iowa 2010
 Submitted by Ed Woolsey, I-Renew Member

New to I-Renew in January, please welcome Gina and Joe!

In 2008, Iowa utilities generated **44,751 GWH**. (eia) According to a recent study (below) on the relative jobs produced by various generation technologies, renewable energy produces many more jobs per unit of energy produced than coal, nuclear or natural gas generation.

Gina Wolfe, EnergyCorps Intern



Learning new things lights me up. I consider myself a serial student, periodically going back to school to satisfy my yen for new knowledge. Most recently, I completed a second bachelor's degree in Sustainable Living from the Maharishi University of Management in June 2010. My previous degree is in Natural Health Sciences, and I have certificates in carpentry and massage therapy. I've lived on both coasts and now the Midwest, in both large cities and small towns, have done more kinds of work than I like to think about, paid and volunteer, and am happy to be working at I-Renew now.

Study results	
Technology	Total Job-Years per GWh
Biomass	0.22
Geothermal	0.25
Solar PV	0.91
Solar Thermal	0.27
Wind	0.17
Carbon Capture & Storage	0.18
Nuclear	0.15
Coal	0.11
Natural Gas	0.11
Energy Efficiency	0.38

Joe Diaz, EnergyCorps Intern



"I was born and raised in sunny Southern California. I grew up as a big science and technology nerd with an insatiable love of the outdoors. I first came to Iowa on a whim with my best friend in the summer of 2010. Soon after I stumbled across the AmeriCorps website and was quickly drawn to the I-Renew opening. Working at I-Renew, I hope to make a positive impact on the environment, as well as in the community, and help push renewable energy in our oil driven economy."

From: Green Jobs and the Clean Energy Economy: Engel/Vestus, Kammen, of Prof of Berkley Institutes. May 2009.

One percent of Iowa electric generation (2,275 GWH) would yield:

Nuclear .22	times 2,275	Equal	500 Jobs
Solar PV .91	" "	" "	2,070 Jobs
Wind (big) .17	" "	" "	386 Jobs
Coal .11	" "	" "	250 Jobs

Iowa Electric Usage has historically grown at 1.7% annually.



March 2011

Save these upcoming dates in March and April!

University of Iowa Museum of Natural History presents on 3/10/2011 a UI Explorers Seminar: Jerry Schnoor, Department of Civil and Environmental Engineering, "**Climate Change Near (Iowa) and Far**"

MacBride Hall, 17 North Clinton St, Iowa City, 7:00pm

*Iowa Regents' Institutions recently published a report titled **Climate Change Impacts on Iowa**. What climate changes have we witnessed in Iowa over the past century? And how do these changes fit into the scientific data on global climate change? These questions and more will be discussed in the next Explorers Presentation.*

Dr. Jerry Schnoor is a professor in the departments of civil & environmental engineering and occupational & environmental health. He joined the University's College of Engineering in 1977, and now holds the esteemed Allen S. Henry Chair in Engineering. His research interests include carbon sequestration, water quality modeling, phytoremediation, and the causes of global warming.

Cedar Rapids Climate Advocates will be hosting a presentation by I-Renew VP Liz Christiansen on Friday, March 18, at 5:30 p.m., at Christ Episcopal Church, 220 40th Street NE, in Cedar Rapids.

Christiansen is also the director of the Office of

Sustainability at the University of Iowa. She will be speaking on the work of her office as well as the visit to the University of Iowa in October, 2010, by Bill McKibben, the founder of the organization 350.org and the author of *Eaarth*. Light refreshments will be provided. The presentation is free and open to the public.

EARTH DAY! On Thursday April 22 we are supposed to acknowledge, speak up and do something to support mother earth.

What will you do that day, that week? I-Renew will start off on Wednesday attending a presentation by Alliant Energy on their Renewable Energy Pilot Project that kicked off in 2010. On Friday we will have a table at the Iowa City Recreation Center for the Earth Day Fair from 3pm-6pm. Saturday we will be in Cedar Rapids supporting the Eco-Lips bike ride (for more information email mark@ecolips.com) by promoting the benefits of locally produced Biodiesel with our partner organization Yoderville Biodiesel Collective who is providing a B100 powered sag wagon for those riders too pooped to carry on. We will have a table in Green Square Park with lots of information so please stop by and see us. To finish up the week we will host an open house at Yoderville Biodiesel Collective on Sunday from 10am -2 pm to show off their solar powered Biodiesel production and education facility. Anyone interested in learning what a community can do **RIGHT NOW** to reduce its carbon footprint and petroleum dependency while improving air quality should stop out for a visit.



Bright Green Business

**Iowa Renewable Energy Association
Symposium and Exposition, 2011**

Iowa City, Iowa • April 28 – May 1, 2011

The 2011 Iowa Renewable Energy Association Symposium and Exposition, **April 28-May 1, 2011**, is the 19th and only event of its kind in Iowa hosted by the Iowa Renewable Energy Association (I-Renew). This year's Expo will be held at the Iowa Memorial Union at the University of Iowa in Iowa City, Iowa.

The Symposium will feature seminars, speakers and workshops covering renewable energy-wind, solar and more, sustainable living, green building, energy efficient technology, renewable fuels, alternative transportation, advocacy, and this year we will have a strong focus on **Bright Green Business**.

The I-Renew Exposition features a demonstration area including cars that run on alternative fuels, solar and wind energy among other demonstrations. Numerous exhibitors from the business and non-profit communities will be on display.

Symposium and Exposition sponsors at the Watt level and above receive exhibit space with their sponsorship in addition to becoming Corporate Members of I-Renew for one year. In exchange for sponsorship, I-Renew offers publicity to sponsors and exhibitors and to corporate members on our collateral materials and our website. With Corporate Membership you receive four subscriptions to our newsletter, Energy Matters, ad space on our website, four gift memberships, as well as gaining the satisfaction of supporting a strong educational organization that focuses on renewable energy.

Please review event specifics inside to determine your level of participation.

You won't want to miss out on this exciting opportunity!

For more information contact: I-Renew Managing Director, Steve Fugate;
319.338.1076; steve@irenew.org; or visit our website at www.irenew.org.

Choose Your Level of Commitment:

Terawatt Sponsor: \$10,000 and up:

- Provides a logo in the Symposium and Exposition Program
- Prime booth space
- Very high visibility in event promotions, paid ads, website and at the Expo
- I-Renew Corporate Membership

Gigawatt Sponsor: \$ 5,000 and up:

- Provides a logo in the Symposium and Exposition Program
- Prime booth space
- Very high visibility in event promotions, paid ads, website and at the Expo
- I-Renew Corporate Membership

Megawatt Sponsor: \$2500 and up:

- Provides a logo in the Symposium and Exposition Program
- Prime booth space
- High visibility in event promotions, paid ads, website and at the Expo
- I-Renew Corporate Membership

Kilowatt Sponsor: \$1000 and up:

- Provides a logo in the Symposium and Exposition Program
- Booth space
- Some visibility in event promotions, paid ads, website and at the Expo
- I-Renew Corporate Membership

Watt Sponsor: \$500 and up:

- Provides a logo in the Symposium and Exposition Program
- Booth space
- Some visibility in event promotions, paid ads, website and at the Expo
- I-Renew Corporate Membership

The 2011 Iowa Renewable Energy Association Exhibition will be held indoors in the Iowa Memorial Union Lounge. The 2011 Exhibition offers 9 premium booths (8' x 10') with a natural sunlight backdrop (windows and views) for \$500.00 and 60 standard booths without natural sunlight. All registration deadlines apply for both premium and standard booths. See below.

Once you are registered, more specific information will be provided to you in your confirmation letter which you will receive as soon as your payment has been processed.

Deadlines	Booth Details
Regular Registration	Booth Cost (8' x 10'): \$300 (includes (1) 2 x 8' table and (2) chairs). Electricity: \$25.00/booth (extension cord not included).
Walk-In Registration April 29, 2011	Booth Cost (8' x 10'): \$350 (includes (1) 2' x 8' table and (2) chairs). Electricity: \$25.00/booth (extension cord not included).
I-Renew Corporate Member	Booth (8' x 10')/Electricity: FREE (includes (1) 2' x 8' table and (2) chairs). Electricity: FREE (extension cord not included).

Accommodations:

For a discounted rate of \$76.00 per night, I-Renew has reserved a block of hotel rooms, on-site, at the Iowa House Hotel at the Iowa Memorial Union for Exhibitors and Presenters (including breakfast and parking). This is a nice alternative to staying off-site. I-Renew is sorry to announce that there will be **no** on-site camping available for the 2011 Symposium and Expo. Because rooms are limited, exhibitors are encouraged to register early to ensure on-site accommodations. To book a room for one or more nights please call or visit the Iowa House Hotel website and mention I-Renew and the dates you are interested booking. Ph: (319) 335.3513 website: <http://imu.uiowa.edu/>

Please Note: Space is limited in both the IMU Lounge and in publicity materials. FIRST COME FIRST SERVED!!

To be listed in the Iowa Renewable Energy Association Symposium and Exposition publicity materials, registration is due by March 15, 2011.

We encourage you to register as soon as possible; WE EXPECT TO SELL OUT!



I-Renew 2011 Sponsor/Exposition Registration Form

Please complete this form and return to I-Renew:

Company/Organization	
Contact Person	
Mailing Address	
Email	
Phone/Mobile #	
Website:	

EXHIBITOR REGISTRATION: (Circle all that applies)		\$Cost
8' x 10' Booth	Yes	
Electricity	Yes	
I will be selling at the 2011 Expo	Yes	No
My Sales Tax Permit # is:		

SPONSOR REGISTRATION	
Watt	\$500
Kilowatt	\$1000
Megawatt	\$2500
Gigawatt	\$5000
Terawatt	\$10,000

Total Due:	
Total Enclosed:	

Make checks or money orders payable to the Iowa Renewable Energy Association. Check# _____

Please Note:

All registered Exhibitors will be required to sign a Release from Liability Agreement prior to Exhibiting during the 2011 Iowa Renewable Energy Association Exposition.



Bright Green Business

**Iowa Renewable Energy Association
Symposium and Exposition, 2011**

Iowa City, Iowa • April 28 – May 1, 2011

Refunds:

A \$45 service fee will be incurred for any cancellations made prior to March 31, 2011. Cancellations after March 31, 2011 are non-refundable.