

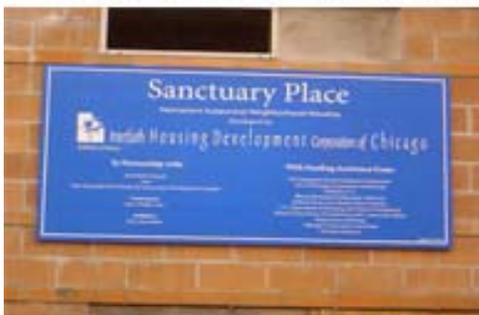
Heliographs

www.illinoissolar.org

Newsletter of the Illinois Solar Energy Association June 2004, Vol. 23, No. 2

Women's Shelter Installs Largest Residential Solar Thermal System in Chicago

Sanctuary Place is a 70-unit studio and family residential complex that is dedicated to homeless women with special needs, including HIV/AIDS, chemical dependency, and/or mental illness. Sanctuary Place uses electricity for its heating and back-up hot water systems. Using solar to reduce electrical expenditures will save thousands of dollars a year and give more funds to provide support services for the residents and to keep rents low.



The solar hot-water system has 20 solar panels (a total of 800 square feet of collectors) that will produce over 1,000 gallons of hot water a day and save 247 KW of electricity each day. The system improves environmental quality in Illinois and decreases pollution.

Interfaith Housing Development Corporation contracted Solar Service Inc. to engineer and install the solar hot water system. The project was funded with support from the IL Department of Commerce and Economic Opportunity, the IL Clean Energy Community Foundation and the City of Chicago.

ISEA Leader on the Radio Brandon Leavitt featured on NPR

In celebration of Earth Day 2004, ISEA board member Brandon Leavitt spoke with Jerome McDonnell on Chicago Public Radio's "Worldview" (WBEZ).

In his 20 minute interview, Brandon talked about his extensive work over the last 27 years promoting the benefits of solar technology in Illinois and beyond. Thanks to ISEA board member and solar champion Jim Camasto for recommending Brandon and making this happen!

You can hear the interview online at: <http://www.chicagopublicradio.org/programs/worldview/globalactivism.asp>

Click on: "April 22" then select: "Earth Day - Heating with the Sun"

ISEA Summer Membership Meeting

Date: Sat, 7/17, 9am-12pm

Place: Solargenix Energy
Production Facility
(more details on page 3)

Design:Green Workshop Thursday, 6/17/04 Chicago Merchandise Mart

Design:Green is an educational initiative with the goal of jumpstarting eco-design education for U.S. product designers. Core activities include one-day workshops in which practicing product designers, students and educators learn how to make the business case for green design, address technical factors using the Business-Ecodesign Tools (a toolkit developed by the Environmental Responsibility Section of IDSA) and work on actual product design cases presented by the Hardwood Information Center, Herman Miller, Philips and other manufacturers.

Registration for the workshop is being handled by NEOCON 2004. Please see www.designgreen.org to register, or for more details about the two previous Design:Green workshops conducted in New York and Minneapolis. You may also call NEOCON representatives at 800.677.6278 or 312.527.7600 with any questions. Admission is \$45 for professionals and \$20 for students.

Design:Green is being conducted in partnership with U.S. EPA, the Design Foundation of IDSA and J. Ottman Consulting, Inc. It is endorsed by the Industrial Designers Society of America and the O2 Global Network of green designers.

Additional sponsorship provided by Hardwood Information Center and Philips. Media sponsors include Metropolis, I.D., Core 77, GreenBiz.com and Sustainablebusiness.com

*Submitted by Jamie Cleveland, ISEA Secretary
and Business Development Manager
at Phillips Lighting*

Conversation at a Party ISEA President's Letter

Despite everything going on with high gasoline and natural gas prices, another record high expected of electrical consumption, funding cutbacks for renewable energy programs and close Central Division races, I have decided to share with you a transcript of a conversation which may or may not have occurred...

So what do you do?

I sell solar electric systems.

Wow, that's really terrific! It must be really exciting in these times.

Sure is.

I'm building a house right now, and I looked into solar energy for it. Do you do the stuff that heats water?

No, it makes electricity.

Oh, well, I checked it out and I didn't think solar energy was cost effective, that the payback was too long.

How long did you figure the payback to be?

Oh, I don't remember, but it was too long. Maybe more than five years, I'm not sure. Anyway, there was this really nice black granite countertop system for my kitchen. You know, the stuff that comes from only one quarry in Northern Italy and it had little yellow flecks in it.

Yeah?

Anyway, I did my whole kitchen in it and it cost only \$9,000 for the upgrade. That was all of my countertops, the island, the trim everything!

So the whole thing cost \$9,000?

No, the upgrade cost \$9,000.

What was the payback?

I beg your pardon?

What was the payback?

I don't understand.

Well, you didn't want the solar, which probably cost around \$9,000 because of the payback being more than five years. So the payback for the black granite from Northern Italy with the flecks was less than five years?

No...

Oh, how much more than five years?

I don't know. Why are you bothering me with that? It's a countertop, not solar.

You're right. It's a countertop. So it's cost-effective?

My friends liked it.

Well, that's all that matters.

*Mark Burger
President, ISEA*

New Chicago Restaurant Harvests the Sun

Taco Burrito King's newest restaurant is under construction in Chicago and will utilize a 500-gallon per day Solar Hot Water System designed and installed by Solar Service Inc. of Niles, IL.

Owner Salvador Lamas is impressed with the simplicity and efficiency of using solar energy to heat the water for his restaurant.

The economic return is also impressive. The system qualifies for a 10% Federal Tax Credit, Accelerated Depreciation Benefits and a \$5,000 State of Illinois Rebate.

These substantial benefits coupled with outstanding energy cost reductions are expected to payback the initial investment in less than five years. That is equal to an annual (tax free) 20% return on investment.

Taco Burrito King's new restaurant is located at 5413 W. Belmont, in Chicago.



Midwest Renewable Energy & Sustainable Living Fair

6/18-20 - Custer, WI

Sponsored by the Midwest Renewable Energy Association (MREA), the World's largest & longest running energy fair offers:

- Over 100 workshops presented by experts from across the US
- Working demonstrations of renewable energy and energy efficiency technologies
- Products that help consumers save money, save energy, and protect the environment
- Special workshops and entertainment for children and families
- A friendly festival atmosphere

More Info at:

www.the-mrea.org/energy_fair.php

Help the ISEA at the MREA Fair

Calling all volunteers! We are looking for people to help staff the ISEA booth at the upcoming MREA fair in Custer, Wisconsin. We will provide free admission for you, and we also have 5 on-site camping sites reserved

No experience necessary. We will provide on-the-job training. We appreciate all our volunteers, and have times available to assist during each of the 3 days that the fair is open. Thanks!

For more information, please contact:

Ted Lowe, info@illinoisolar.org
630-260-0424

NOTE: The ISEA has changed its web site address and email to:

www.illinoisolar.org

Information about ISEA can be obtained at:

info@illinoisolar.org

The phone number remains:
(630) 260-0424

ISEA Summer Membership Meeting Saturday, 7/17, 9am - 12pm

Solargenix Energy invites you to tour their new production facility, located at:

3622 S. Morgan St.
Chicago, IL 60609

Light refreshments and coffee will be served. RSVP's are appreciated. You need not be a member to attend, so feel free to invite neighbors, family, colleagues, etc.

For more info, contact: *Ted Lowe*
info@illinoisolar.org
(630) 260-0424

Recent Event Summaries

Submitted by Ted Lowe, ISEA Treasurer

Spring Meeting:

40+ members and attendees toured Ted Lowe's approach at a Sustainable Lifestyle in Suburbia. Congratulations to David Wilcox who won the raffle prize, a copy of John Perlin's book, "*From Space To Earth: The Story of Photovoltaics*", generously donated by Spire Chicago.

Chicago Field Museum:

This one day event ran from 10a-5p. This was a small fair, the ISEA was one of just 3 exhibitors. Mark Burger gave a presentation in the auditorium on solar energy. The visitor traffic was light but regular. The discussions we had were very substantive because the people attending seemed very ready to use solar energy in their homes and work places and churches. Many handouts were distributed and some contact information and business cards were collected.

Staffing was plentiful; at one point with 6 ISEA reps, including Mark Burger, Brandon Leavitt, Jim Camasto, Bill Lyons, former ISEA director John Berton and Ted Lowe. ISEA arrived at 8:30 and set up the booth which included the BEAUTIFUL new display, PV2 and lots of handouts (copies provided by Mark Burger).

Bill Lyons closed and hauled all the stuff for the Evanston event Sunday. Many thanks to all those helping, especially to Mark Burger.

Earth Day, Fullersburg Woods Forest Preserve:

Turnout was good and steady from 11-3 and then trailed off until 4p. There were some familiar faces and many new ones. PV2 was used with the great new professional looking graphic (thanks Sharon)! The new cool new display was not used (due to the threat of rain and too much wind). Solar electricity generation, solar cooking, and clean transportation were demonstrated and discussed, as with many other forms of solar energy. There were many comments from visitors and event organizers that ISEA's presence at the fair entrance was a great way to get people enthused for the rest of the fair.

Oak Park International Energy Conservation Code:

Jim Camasto and Ted Lowe set up and staffed the ISEA booth, and for the first time used the beautiful new display and PV2's beautiful new diagram! Thanks to Sharon Stuertze and her graphics & printing team, the Chicago Dept. of Environment and Mark Burger for landing us the grant.

There were many good discussions with visitors, some new members of the "choir" and some people that are just turning onto solar energy. Two new members joined the ISEA, Kathi Elwood has the first geothermal house in Oak Park, and American RE, a relatively new company consisting of some familiar people, including Bil Becker.

The energy efficiency code workshop was dry, but necessary information. As Jim Camasto pointed out, the audience contained a mix of people, ranging from interested architects to (seemingly) disgruntled contractors/construction people that will have to comply with the new codes.

Green Earth Institute Fair, Naperville:

This was an afternoon for the public to see the organic vegetable farm and learn ways to use earth-friendly practices in our gardens, yards, and homes. There were exhibits and demonstrations on home composting,

vermiculture, organic home gardening, organic lawn care, natural landscaping, and tours of the organic farm. Of course, other "earth-friendly practices" included ISEA's demonstrations and information on harvesting renewable, sustainable energy. ISEA provided information, demonstrations, and guidance in a low-key atmosphere for folks wishing to take advantage of Illinois' excellent rebate/grant program for installing RE.

Illinois Renewable Energy Fair

**Saturday, 8/7, 9am-6pm
Sunday, 8/8, 9am-5pm**

Illinois' premiere renewable energy event is held at:

Ogle County Fairgrounds
1440 Limekiln Rd, Oregon, IL

(Just north of Hwy. 64 west of Oregon, about 2 hours west of Chicago's Loop)

More Information at:
www.illinoisrenew.org



Illinois Renewable Energy Fair

Heliographs is published quarterly by the Illinois Solar Energy Association (ISEA) on recycled paper. Editor: Jim Camasto.

Membership information, updated information, and assistance in locating other resources can be obtained on the ISEA website: www.illinoisolar.org

Comments & questions may be directed to:

Illinois Solar Energy Association (ISEA)
P.O. Box 634, Wheaton, IL 60189-0634
info@illinoisolar.org
(630) 260-0424

ISEA PREMIER BUSINESS MEMBERS

This listing is provided as a Premier Business Member benefit and does not imply endorsement by ISEA. However, ISEA thanks these businesses for supporting our common goals of promoting renewable energy technologies and energy education.



With five new Spire Solar electric systems coming to Chicago's Millennium Park this summer, we reach a new benchmark.

One Megawatt of Solar Power in Chicago!

We've only just begun.

SPIRE SOLAR CHICAGO
Chicago Center for Green Technology
445 North Sacramento Boulevard
Chicago, IL 60612
773.638.8700
spiresolarchicago.com



Celebrate EARTH DAY, Every Day
...enjoy reliable, affordable solar heat!

"After my solar system was installed for four months, the gas company sent me a credit of \$455.89 and reduced my budget amount from \$158.00 to \$70.00 per month..."

- J. Bohmann, Antioch, IL



Harvest the Sun
RECEIVE 50% rebate
(up to \$5,000)
From the Illinois Department of Commerce and Economic Opportunity

Discover the advantages of using solar for apartments and businesses too!



SOLAR SERVICE INC.
Renewable Energy Specialists - Since 1977 - 847-677-0950
www.solarserviceinc.com

Philips Lighting Business Group Lighting Electronics
Jamie Cleveland, Business Dev. Mgr
10275 W Higgins Rd.
Rosemont, IL 60018
Phone: 847-390-5102
Email: jamie.cleveland@philips.com
Web: www.solar.philips.com



Philips Solar Energy
High technology, simple solutions



American Renewable Energy
David Dwyer, President
805 Greenwood St
Evanston, IL 60201
Phone: 847-424-0288, 800-454-1461
Fax: 847-424-0289
Email: david@americanrenewable.com
Web: www.americanrenewable.com

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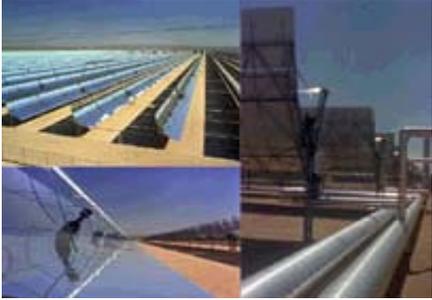
<p>Howard Alan Architects 849 Armitage Ave. Chicago, IL 60614 Phone: 773-929-2121 Fax: 773-929-2122 Email: halan@xsite.net Web: www.howardalanarchitects.com</p>	<p>American Renewable Energy David Dwyer, President 805 Greenwood St Evanston, IL 60201 Phone: 847-424-0288, 800-454-1461 Fax: 847-424-0289 Email: david@americanrenewable.com Web: www.americanrenewable.com</p>	<p>Becker Eco-Design Bil Becker Renewable Energy Engineer 2155 Wolpers Road Park Forest, IL 60466 Phone: 262-642-4707 Fax: 708-481-6178 Email: bilbecker@bigplanet.com</p>
<p>Bergey Windpower Co., Inc. 2001 Priestley Ave. Norman, OK 73069 Phone: 405-364-4212 Email: mbergey@bergey.com Web: www.bergey.com</p>	<p>Chicago Dept. of Environment N. Marcia Jiminez Commissioner 30 North LaSalle Street, Suite 2500 Chicago, IL 60602 Phone: 312-744-7606 Fax: 312-744-6451 Email: environment@cityofchicago.org Web: www.cityofchicago.org/environment</p>	<p>Davis Caves Construction, Inc. Marty and Ruthanne Davis P.O. Box 69 Armington, IL 61721 Phone: 309-392-2574 Fax: 309-392-2578 Email: earthome@daviscaves.com Web: www.daviscaves.com</p>
<p>Divane Bros. Electric Co. 2424 N. 25TH Ave. Franklin Park, IL 60131 Phone: 847-455-7143 Fax: 847-455-7899 Email: divanemail@divanebros.com Web: www.divanebros.com</p>	<p>Facilities Research Nancy Hamill Governale North Barrington, IL 60010 847-712-6251 Email: hamill@iit.edu</p>	<p>The Field Museum Sherrie Gauley 1400 S Lake Shore Dr Chicago, IL 60605 Phone: 312-922-9410 Web: www.fmnh.org</p>
<p>Thomas A. Gentry Assoc. AIA 122 S. Michigan Ave. Suite 1455 Chicago, IL 60603 Phone: 312-360-0754 Fax: 312-360-0756 Email: mail@thomasagentry.com Web: www.thomasagentry.com</p>	<p>Green Energy Tech., LLC Randy Zaleski 215 N. Washington Unit F Wheaton, IL 60187 Phone: 630-668-0717 Fax: 630-668-1672 Email: rzaleski@greenenergytech.com Web: www.greenenergytech.com</p>	<p>HarleyEllis Architecture, Design & Planning Susan F. King, AIA Associate 401 West Superior St. Chicago, IL 60610 Phone: 312-951-8863 Fax: 312-951-1719 Email: sking@environ-inc.com Web: www.environ-inc.com</p>
<p>Home Patron, Inc. 7311 W Diversey Ave Elmwood Park, IL 60707 Phone: 708-452-7258 Fax: 708-452-3126 Email: info@homepatron.com Web: www.homepatron.com</p>	<p>IBEW/NECA Technical Institute Kevin Lynch Electrical Program Coordinator 6201 W. 115TH Street Alsip, IL 60803 Phone: 708-389-1340 Fax: 708-389-2840 Email: klynch@in-techonline.org Web: www.in-techonline.org</p>	<p>Illinois Dept. of Commerce and Economic Affairs Rex Buhrmester Program Manager 620 E. Adams St. Springfield, IL 62701 Phone: 217-557-1925 Fax: 217-785-2618 Web: www.illinoisbiz.biz/com/energy/renewable.html</p>
<p>Illinois Clean Energy Community Foundation Ed Miller, Program Director 2 North LaSalle Street Chicago, IL 60602 Fax: 312-372-5191/5190 Web: www.illinoiscleanenergy.org</p>	<p>Image Plus Ron Burzynski 412 Ogden Ave Downers Grove, IL 60515 Phone: 630-852-4920 Fax: 630-852-6088</p>	<p>Let the Sun Shine In Steve Graham, Designer/Installer of Alternative Energy Systems 19183 Plow Creek #9 Tiskilwa, IL 61368-9130 Phone: 815-646-4950 or 815-646-4505</p>

ISEA BUSINESS MEMBERS

This listing is provided as a Business Member benefit and does not imply endorsement by ISEA. However, ISEA thanks these businesses for supporting our common goals of promoting renewable energy technologies and energy education.

<p style="text-align: center;">Nekolux Vladimir Nekola 1433 W. Chicago Ave. Chicago, IL 60622 Phone & Fax: 312-738-3776 Email: Vladimir@nekolux.com Web: www.nekolux.com</p>	<p style="text-align: center;">OCULUS Architecture P.C. Paul E. Sterner, AIA 172 East Burlington Riverside, IL 60546 Phone: 708-447-4300 Fax: 708-447-7336 Email: oculusdesign@att.net Web: www.oculusarchitecture.com</p>	<p style="text-align: center;">OWP & P Architects Inc. Richard T. Ray AIA, CCS – Principal 111 W. Washington St. Chicago, IL 60602 Phone: 312-332-9600 Fax: 312-332-9601 Email: r-ray@owpp.com Web: www.owpp.com</p>
<p style="text-align: center;">S.N. Peck, Builder, Inc. Neil Peck, President 1647 W. Fulton St. Chicago, IL 60612 Phone: 312-738-2600 Email: npeck@snpeck.com</p>	<p style="text-align: center;">Philips Lighting Business Group Lighting Electronics Jamie Cleveland, Business Dev. Mgr. Renewable Energy Inverters 10275 W Higgins Rd Rosemont, IL 60018 Phone: 847-390-5102 Fax: 847-390-5058 Email: jamie.cleveland@philips.com Web: www.solar.philips.com</p>	<p style="text-align: center;">Solargenix Energy LLC 35 E Wacker Dr, Suite 1300 Chicago, IL 60601 Phone: 773-847-8333 Web: www.solargenix.com</p>
<p style="text-align: center;">Solar Gold J. H. Keller P.O. Box 1017 DuQuoin, IL 62832 Phone: 618-303-2100 or 1-866-771-9177 Email: info@solargold.com Web: www.solar-gold.com</p>	<p style="text-align: center;">Solar Service, Inc. Brandon Leavitt 7312 N Milwaukee Ave Niles, IL 60714 Phone: 847-677-0950 Fax: 847-647-9360 Email: solarserviceinc@aol.com</p>	<p style="text-align: center;">Spire Solar Chicago Mark Burger Sales Manager Chicago Center for Green Tech. 445 North Sacramento Blvd. Chicago, IL 60612 Phone: 773-638-8700 Fax: 773-638-8701 Email: mburger@spirecorp.com Web: www.spiresolar.com</p>
<p style="text-align: center;">Michael Stavy Financial/Economic Consulting 432 North Clarke St., Suite 204 Chicago, IL 60610 Phone: 312-832-1631 Fax: 312-832-1632 Email: michael@michaelstavy.com Web: www.michaelstavy.com</p>	<p style="text-align: center;">Sun Ovens International Inc. Paul Munsen, President 39W835 Midan Drive Elburn, IL 60119 Phone: 800-408-7919 Fax: 630-208-7386 Email: sunovens@execpc.com Web: www.sunoven.com</p>	<p style="text-align: center;">SunWize Technologies Inc. Mark E. Wilkerson Business Manager #1 Sun Street, Stelle, IL 60919 Phone: 815-256-2274 or 1-800-683-4837 x-22 Fax: 815-256-2221 Email: mwwpv@stelle.net Web: www.sunwize.com</p>
<p style="text-align: center;">United Solar Ovonix, LLC 3800 Lapeer Road Auburn Hills, MI 48306 Phone: 248-475-0100 Email: info@uni-solar.com Web: www.uni-solar.com</p>	<p style="text-align: center;">Wynne D. City Power, Inc. Robin Schulemann Director of Product Development 2035 S Racine Ave Chicago, IL 60608 Phone: 312-243-6414 Fax: 312-243-6781 Email: robins@windycitypower.com Web: www.windycitypower.com</p>	

ISEA Welcomes Its First Charter Business Member Solargenix Energy, LLC



Solargenix opened its new production facility in Chicago on March 30, making Chicago the only U.S. city to have both solar thermal and solar photovoltaic manufacturing capability.

The establishment of the Solargenix solar water heating system production facility is the result of a multi-million dollar procurement contract between the City of Chicago

and its partners: CHA, City Colleges, CTA, and the Park District. The agreement will provide the initial market in the area for the company's solar thermal technology.

The plant, which is located in a reclaimed historic building in Bridgeport, will have a capacity to make approximately 12,000 solar thermal collectors a year, and could expand to produce more than 36,000.

In addition to manufacturing activities, the building will house marketing, sales and project administration offices, and facilities for education and training programs.

The agreement with the City of Chicago provides for the use of Solargenix's products on city-owned

properties such as parks, swimming pools, housing, fire departments, correctional facilities and hospitals.

Additionally, Solargenix intends to develop a regional network of dealers and installers to market the solar thermal products and systems built in Chicago. The use of solar thermal products and systems for cooling, space heating, water heating and process heat in city buildings will expand on the policies and programs the city has recently undertaken to reduce energy use in buildings and increase the city's use of "green" technologies.

Source: Texas Renewable Energy Industries Association



JOIN US in the common goal of promoting solar/renewable technologies, providing energy education and establishing a sustainable energy network. Your support today can help provide a cleaner environment tomorrow.

NEW MEMBERSHIP **RENEWAL** **2 YEAR RENEWAL (Deduct 10%)**

Name:	<input type="checkbox"/> \$500/yr Charter Business Membership
Address:	<input type="checkbox"/> \$250/yr Premier Business Membership
City:	<input type="checkbox"/> \$100/yr Business Membership
State:	<input type="checkbox"/> \$30/yr Family
Zip Code:	<input type="checkbox"/> \$25/yr Individual
Home Phone:	<input type="checkbox"/> \$20/yr Student
Work phone:	<input type="checkbox"/> \$20/yr Senior
Email:	<input type="checkbox"/> Additional Contribution of \$

Dues and contributions are tax-deductible. Please mail your check (payable to ISEA) and this form to:

Illinois Solar Energy Association P.O. Box 634 Wheaton, IL 60189-0634

UPCOMING EVENTS

June 18-20	Fri-Sun	Midwest Renewable Energy Fair, Custer, WI Info at: www.mrea.org (See page 2)
July 10-14	Sun-Wed	American Solar Energy Association Meeting "A Solar Harvest: Growing Opportunities" Portland, Oregon. (Info at: www.ases.org)
July 17	Sat	ISEA Summer Membership Meeting Solargenix, Chicago, IL (See page 3)
Aug 7-8	Sat-Sun	Illinois Renewable Energy Fair, Oregon, IL Info at: www.irea.org (See page 3)
Sept	(to be determined)	ISEA Fall Membership Meeting Mendota Hills Wind Farm, Lee County, IL
Oct 2	Sat	National Solar Tour 2004

Current Members: To keep ISEA costs low and to save the environment, ISEA does NOT send annual dues invoices. Please check the address label on this edition of Heliographs! If the date on the label is highlighted, then your dues may be overdue! Use the enclosed application to mail your renewal! Thanks!



Illinois Solar Energy Association
P. O. Box 634
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