

# SOLAR POWERING IOWA

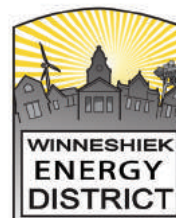
**March 24, 2016**


The Hotel at Kirkwood Center  
Cedar Rapids, Iowa

presented by:



partners:





**WELCOME.** We're excited to learn & connect about the programs, incentives & resources that will really make solar shine here in Iowa!

## AGENDA OVERVIEW

**Registration, Breakfast & Networking - 8:00-9:00am - *The Atrium***

**Welcome & Morning Plenary - 9:00-10:00am - *Ballroom***

**Break & Explore Exhibits - 10:00-10:30am - *The Atrium***

**Breakout Sessions I - 10:30-11:45am**

Getting Your Community  
'Solar Ready' - *Room 159 A*

Distributed Generation Policy  
Priorities - *Room 159 B*

Valuing Solar at Your Electric  
Utility - *Room 159 C*

**Lunch & Afternoon Plenary - 11:45am-1:00pm - *Ballroom***

**Breakout Sessions II - 1:00-2:15pm**

Building a Local Solar Market -  
*Room 159 A*

Considerations for Megawatt+  
PV Facilities - *Room 159 B*

On-Bill Financing for Coop &  
Municipal Utilities - *Room 159 C*

**Break & Explore Exhibits - 2:15-2:30pm - *The Atrium***

**Breakout Sessions III - 2:30-3:45pm**

Maximizing PV Project Return  
on Investment - *Room 159 A*

Local Jurisdiction Solar with  
Leases and PPAs - *Room 159 B*

Model Community Solar  
Programs - *Room 159 C*

**Networking Social - 3:45-4:30pm - *The Atrium***

**TWEET #GROWSOLAR.** Join the conversation on Twitter!

# GETTING AROUND.

The entire event will take place in the Ballroom and Atrium in The Hotel at Kirkwood Center in Cedar Rapids, Iowa, featured in the map below.

76TH AVENUE SW



GROUND FLOOR



## Getting Oriented:

**Plenaries & Lunch** will take place in the **BALLROOM**

**Breakouts** will be in **A, B, C** after the Ballroom has been divided

**Breaks & Exhibitor** networking will take place in the **ATRIUM**

KIRKWOOD BOULEVARD SW

# PLENARY SPEAKERS

## DR. HOLMES HUMMEL

### Clean Energy Works

Holmes Hummel is the founder of Clean Energy Works, which connects champions of energy efficiency and renewable energy with resources that accelerate investment in the deployment of clean energy solutions. In addition, Dr. Hummel is on the Global Advisory Committee of Cornerstone Capital Group, which is among the world's leading voices in the field of sustainable investment and finance. Dr. Hummel also serves on the board of Cleantech Open, the world's largest accelerator built to find, fund, and foster the most promising cleantech startups. In 2009, Dr. Hummel was appointed as the Senior Policy Advisor in the U.S. Department of Energy's Office of Policy & International Affairs, serving through 2013. In that capacity, Dr. Hummel engaged a wide range of industry and public interest stakeholders to inform energy policy deliberations on such topics as energy efficiency finance, electric vehicle deployment, natural gas resource development, trade policy, environmental regulation, and grid reliability. *Morning Plenary*



## TIM DWIGHT

### Iowa Solar Energy Trade Association & Integrated Power Corporation

A former NFL player, Tim Dwight believes we should no longer sit on the sidelines when it comes to advancing on-site clean energy programs and incentives in Iowa. Today, Tim Dwight serves as president of the Iowa Solar and Small Wind Energy Trade Association (ISETA). He is also the owner of Integrated Power Corporation, a solar developer based in Novato, CA. He sees small-scale clean energy as a tremendous opportunity for Iowa to create jobs, boost energy security, and protect the environment. "Large-scale wind energy has been a key driver of our economy. Distributed generation – particularly on-site wind and solar – should be the focus of the next energy chapter in Iowa. There are plenty of economically sound policy options for us to pursue. Let's seize this opportunity," says Tim. Tim was born and raised in Iowa City and was a two-time All-American for the University of Iowa Hawkeyes before going on to play for the NFL. His Iowa pride motivates him to support the state's clean energy industry. *Afternoon Plenary*



# DETAILED AGENDA

## REGISTRATION, BREAKFAST & NETWORKING

Sponsored by Van Meter, Inc.

**8:00-9:00am – The Atrium**

## WELCOME & MORNING PLENARY

Sponsored by U.S. Department of Energy SunShot Initiative

**9:00-10:00am – Ballroom**

**Welcome:** Nick Hylla, Executive Director, Midwest Renewable Energy Association (MREA)  
Josh Honeycutt, US Department of Energy SunShot Initiative  
**Keynote:** Dr. Holmes Hummel, Founder, Clean Energy Works

## BREAK & EXPLORE EXHIBITS

Sponsored by All Energy Solar

**10:00-10:30am – The Atrium**

## BREAKOUT SESSIONS I

**10:30-11:45am**

### **Getting Your Community 'Solar Ready' – Room 159 A**

Communities across the US are experiencing rising demand for PV installations from home and business owners, while utility interest is furthering the development of large PV facilities. This puts pressure on permitting and inspection staff, planning and zoning processes, and city councils responding to development interests. PV projects vary greatly in size and complexity and can include small installations on historic buildings and large developments on brownfields. Is your community ready for the growth of solar? Speakers in this session will lay out the strategies, tools, and best practices that local jurisdictions can implement to ensure safe, reliable, and economically advantageous PV projects.

**Moderator:** Dathan Lythgoe, Solar Program Coordinator, MREA  
Brian Ross, Senior Program Director, Great Plains Institute for Sustainable Development  
Mike Fisher, Vice President, Impact7G

*Continued on next page*

# DETAILED AGENDA

## **Distributed Generation Policy Priorities for 2016 and Beyond – Room 159 B**

Iowa is on the verge of becoming a leading Midwest state for solar PV development. As a national leader in deploying affordable wind energy, Iowa has transferable experiences and new challenges to overcome in the burgeoning PV market. This panel will discuss state-level issues as well as regional and national trends that are influencing distributed generation policy. These issues include interconnection rule-making, net metering, rate design, the Clean Power Plan, third-party ownership, and more.

**Moderator:** Nathaniel Baer, Energy Program Director, Iowa Environmental Council (IAEC)  
Brad Klein, Senior Attorney, Environmental Law & Policy Center  
Tim Dwight, President, Iowa Solar Energy Trade Association (ISETA)  
Regi Goodale, Director of Regulatory Affairs, Iowa Association of Electric Cooperatives  
Amy Heart, Senior Manager of Public Policy, The Alliance for Solar Choice (TASC)

## **Valuing Solar at Your Electric Utility – Room 159 C**

Are customers that have PV systems on their roofs a burden to other ratepayers? Or, are these same customers actually reducing the costs that other ratepayers will need to pay for new generation and transmission investments? How are these costs defined? What is important to include when quantifying the value of solar? And what have past studies demonstrated? This presentation will share the experience of past studies commissioned by utilities and regulators and lay out a detailed methodology for use by municipal and cooperatively-owned electric utilities to define values that can benefit the company and their customers.

Ben Norris, Senior Consultant, Clean Power Research

## **LUNCH & AFTERNOON PLENARY**

Sponsored by Van Meter, Inc.

**11:45am-1:00pm – Ballroom**

**Keynote:** Tim Dwight, President, Iowa Solar Energy Trade Association (ISETA);  
Owner, Integrated Power Corporation

# DETAILED AGENDA

## BREAKOUT SESSIONS II

1:00-2:15pm

### **Building a Local Solar Market – Room 159 A**

Local jurisdictions stand to gain significant benefit from the advancement of solar PV markets. Residential and commercial PV installations support local jobs, increase local economic activity, and can attract new businesses that are committed to sustainability. This presentation will address the steps that local jurisdictions can take to facilitate economic activity in clean energy and ensure sustainable market growth in their region.

**Moderator:** Elizabeth Hittman, Sustainability Program Coordinator, Milwaukee Shines  
Andy Johnson, Director, Winneshiek Energy District  
Peter Murphy, Market Development Coordinator, Midwest Renewable Energy Association  
Julie Brazeau, Solar Technical Assistance Coordinator, Midwest Renewable Energy Association

### **Siting, Design, and Finance Considerations for Megawatt+ PV Facilities Room 159 B**

Developing a large PV generation facility requires planning and stakeholder engagement. As utilities, developers, and local jurisdictions look to develop large projects, they will need to address concerns about siting, interconnection, and financing to ensure that facilities meet the needs of local government, the utility, the investors, and the site owner. Panelists in this session will address key considerations for siting PV facilities and present relevant case studies from Iowa and surrounding states.

**Moderator:** Nick Hylla, Executive Director, Midwest Renewable Energy Association  
Tena Monson, Manager of Solar Development, Geronimo Energy  
Norm Atwood, Owner, Atwood Electric  
Barry Shear, President and Owner, Eagle Point Solar

*Continued on next page*

## PRESENTATIONS & MORE.

Presentations from the event will be posted to our website, which is packed with useful resources.

**GROWSOLAR.ORG**

# DETAILED AGENDA

## **On-Bill Financing Opportunities for Coop & Municipal Utilities – Room 159 C**

Cooperatively-owned and municipal electric utilities currently have unprecedented opportunities to build programs that help their members and customers reduce their energy costs. Residential on-bill financing programs are offered by more than 60 co-ops and public utilities across the country and are expanding residential energy efficiency efforts into underserved markets. More recently, newer programs in Kansas, South Carolina, and other states have successfully introduced innovations in the design (on-bill tariff) and capital source (private market and USDA loans) of on-bill financing programs. These changes are reactivating the on-bill financing market and the potential to include PV investments makes this an exciting opportunity.

**Moderator:** Stephanie Enloe, Energy & Climate Program Associate, Center for Rural Affairs  
John-Michael Cross, Policy Associate, Environmental and Energy Study Institute  
Chris Ball, Energy Efficiency Director, City of Bloomfield  
Erin Buchanan, Energy Services Coordinator, Cedar Falls Utilities  
Patrick Bormann, Electric General Field Representative, Iowa USDA Rural Development

## **BREAK & EXPLORE EXHIBITS**

Sponsored by Nemeth Energy Solutions, Inc.

**2:15-2:30pm – The Atrium**

## **BREAKOUT SESSIONS III**

**2:30-3:45pm**

### **Maximizing PV Project Return on Investment – Room 159 A**

A variety of resources are available in Iowa to help increase the financial returns for PV systems. These include federal, state, and utility incentives, grants, and rebates, as well as tools to reduce customer acquisition costs. Panelists in this session will discuss the incentives and resources available and how they can be used to benefit home and business owners pursuing PV projects.

**Moderator:** Daniel King, Program and Policy Director, M-RETS  
William Haman, Renewable Energy Program Manager, Iowa Energy Center  
John DeGroote, Director, University of Northern Iowa GeoTREE Center  
Steve Lacina, Business Program Area Specialist, Iowa USDA Rural Development



# DETAILED AGENDA

## **Local Jurisdictions Going Solar with Leases and PPAs – Room 159 B**

With a recent Iowa Supreme Court ruling, third-party ownership of solar PV systems is now available to utility customers in Iowa. This presents a significant opportunity for both leasing and third-party power purchase agreements for solar energy. In particular, entities that can't take advantage of the Federal Investment Tax Credit (e.g. municipalities, universities, schools, hospitals) can work with a tax-paying entity to realize savings through these models. Panelists in this session will address key considerations for leases and PPAs, provide resources and templates, and discuss case studies from Iowa and surrounding states.

**Moderator:** Nick Hylla, Executive Director, Midwest Renewable Energy Association  
Jim Martin-Schramm, Professor, Luther College  
Becky Soglin, Sustainability Specialist, Johnson County (Iowa)  
Mark Pruitt, Principle, The Power Bureau

## **Model Community Solar Programs – Room 159 C**

Community solar or 'shared solar' programs allow for interested parties to group their investments in a large PV project. These programs show the potential to reduce the cost of investment and provide opportunities to the 70+% of individuals that do not have a suitable site for a PV system. Community solar projects take many forms and are increasingly available to members of cooperatively owned utilities. In this session, panelists will present on lessons learned from two community solar programs in Iowa as well as a promising program that uses community solar to provide long-term energy assistance to low-income families.

**Moderator:** Andy Johnson, Director, Winneshiek Energy District  
Erin Buchanan, Energy Services Coordinator, Cedar Falls Utilities  
Warren McKenna, General Manager, Farmers Electric Cooperative  
Jason Edens, Executive Director, Renewable Energy Alliance

## **NETWORKING SOCIAL**

Sponsored by ISETA, All Energy Solar, and Integrated Power Corp

**3:45-4:30pm – The Atrium**



Everyone should have access to clean, affordable energy.

The Alliance for Solar Choice works to protect critical rooftop solar policies, such as net energy metering, to encourage a fair, consumer-driven energy future in Iowa and across the U.S.

Learn how you can get involved by visiting: [www.allianceforsolarchoice.com](http://www.allianceforsolarchoice.com)



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Nemeth Energy Solutions, Inc. is a complete solar energy solution company, offering guidance and tangible help from start to finish. We offer professional, local, responsive service, and are a team-oriented company focused on your long-term success.

**COMMERCIAL    AGRICULTURAL  
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Take Charge of your Energy Future  
Take Charge of your Electricity

Grow Solar

**MARKET-MOVING TOOLS.**

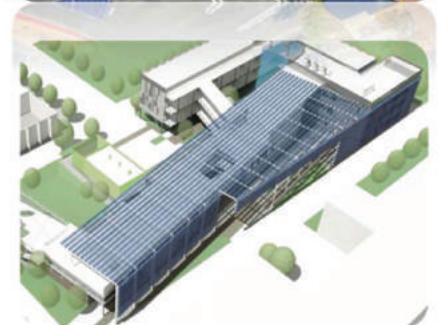
Our website features a toolbox for advancing solar, connections to industry pros, access to Solar Power Hour programs, and more.



[www.ipowercorp.com](http://www.ipowercorp.com)

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  - Apartment
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# POWER UP WITH SOLAR

Van Meter has everything you need for a solar installation in-stock and ready for delivery. Our connection to leading manufacturers means you have access to a full-line of high-quality solar modules, inverters, racking systems, hardware and system components. Our dedicated energy team can also assist with system design, product specifications, interconnection agreements, permitting, job-site delivery and more. Solar installation is a great way to power up your business potential.

# SPONSOR DIRECTORY

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## PRESENTING SPONSOR

### U.S. Department of Energy

The U.S. Department of Energy (DOE) SunShot Initiative's mission is to make solar energy fully cost-competitive with traditional energy sources before the end of this decade, making this clean renewable energy resource more affordable and accessible to Americans. The SunShot Initiative vision is to make the total cost of solar energy fully economically-viable for everyday use, so that all Americans will benefit from this clean renewable energy resource. [energy.gov/sunshot](http://energy.gov/sunshot)



## PLATINUM SPONSOR

### Van Meter, Inc. **B**

Headquartered in Cedar Rapids, Van Meter is Iowa's largest distributor selling more than 800 brands of electrical and mechanical products to contractor, industrial and commercial customers nationwide, as well as internationally. The company owns a lighting distributor in Chicago and recently announced plans to open a location in Omaha. Van Meter's offering encompasses lighting, data communications, utility, automation, power transmission, renewable energy, core electrical components and more. Van Meter is a 100 percent employee-owned, award-winning workplace. The company was named a Top Workplace in the State of Iowa by The Des Moines Register for the past four years. [vanmeterinc.com](http://vanmeterinc.com)



## GOLD SPONSORS

### All Energy Solar **B**

All Energy Solar was established in 2009 and has grown to become a premier design and build solar company servicing residential, commercial, agricultural and government clients throughout the entire state of Iowa. All Energy Solar is certified by the North American Board of Certified Energy Practitioners (NABCEP) and is licensed as both a Building Contractor & Electrical Contractor. In 2014, All Energy Solar completed construction of a 502 KW solar project for Kirkwood Courts Apartments & Haverkamp Properties which is expected to supply 14 million kWh of clean energy to the student housing facility over the project's 25 year product warranty period. [allenergysolar.com](http://allenergysolar.com)



### Integrated Power Corporation

Integrated Power provides solar solutions for businesses. Our partnerships with experienced contractors provide commercial establishments with turnkey simplicity, improved risk management, and value. We bring a decade of experience to custom plans that fit your unique needs. [ipowercorp.com](http://ipowercorp.com)



### Nemeth Energy Solutions, Inc. **B**

Nemeth Energy Solutions, Inc. is a complete solar energy solution company, offering guidance and tangible help from start to finish. We offer professional, local, responsive service, and are a team-oriented company focused on your long-term success. Design: We combine your unique needs with our local engineering expertise to craft a solution tailored for your success. Installation: We offer top quality installation by our trusted Preferred Partners. Financing: We offer many trusted finance options and help you maximize financial incentives. Permits and Approvals: We handle the paperwork. Maintenance: We can train you or keep your system in top shape for you. [nemethenergy.com](http://nemethenergy.com)



# SPONSOR DIRECTORY

## SILVER SPONSORS

### Alliant Energy **B**

Alliant Energy provides electric and natural gas service to approximately 950,000 electric and 410,000 natural gas customers across Iowa and Wisconsin. With more than 4,000 employees in 80+ communities, our mission is to deliver the energy solutions and exceptional service customers and communities count on – safely, efficiently and responsibly. In keeping with that, Alliant Energy is pursuing a cleaner energy mix that includes embracing renewable energy technologies while considering the impact on our customers, employees and local economies. [alliantenergy.com](http://alliantenergy.com)



### Dragonfly Solar **B**

Chosen to custom design & install first solar carport charging stations for Fleet Global Headquarters of General Electric-Jeffrey Immelt authorized. Chosen by Luther College to build Iowa's largest solar array with difficult site challenges. Picked by 3 Electric Coops to build a system for them. Coops hear from all buyers on systems & developers performance! Chosen by Heartland Electric Coop to build largest array in IA. Chosen (again), by Luther to add 800kW-900 kW to campus with still tougher build & site requirements. Commissioned the largest single site array in IA. [dragonflysolar.com](http://dragonflysolar.com)



### Eagle Point Solar **B**

Eagle Point Solar was founded in 2010 with an unwavering focus on quality, professionalism, and service. We have become one of the leading solar integrators in the Midwest with over 200 completed systems in Iowa, Illinois, and Wisconsin. We have an installed project base totaling over 5MW, including many installations in excess of 200kW in size. We have provided solar solutions for schools, governments, farms, non-profits, businesses and homeowners. [eaglepointsolar.com](http://eaglepointsolar.com)



### Institute for Building Technology and Safety

As Subject Matter Experts in the field of Solar PV, IBTS provides unbiased third party compliance monitoring and professional services to our government and private customers. These services include compliance inspections, program management, plan review, building department services, education and training, staff augmentation, policy and procedure development, cost evaluation, energy auditing, and quality assurance management. IBTS provides Solar PV Quality Assurance inspections for the largest Solar Developers and Finance companies in the nation. [ibts.org](http://ibts.org)



### Iowa Falls Heating & Zoske Electric **B**

We are teaming up to provide turnkey solar solutions throughout IA! We're leveraging 50+ years of experience in HVAC/ electrical contracting, and proven track records of outstanding customer service to help customers take control of their energy costs. Whether on the roof of an office or in the field next to grain bins, we can deliver the customized solar solution to meet any need. With our unique program, customers can maximize the value of going solar with \$0 down, 100% financing. [iowafallsheating.com](http://iowafallsheating.com) / [zoskeelec.com](http://zoskeelec.com)



### Preformed Line Products - DPW Solar **B**

DPW Solar mounting structures are manufactured by Preformed Line Products (PLP) in Albemarle, NC. We are a major manufacturer and supplier of innovative and reliable PV mounting hardware solutions since 1993. [dpwsolar.com](http://dpwsolar.com)



### Solar Planet, Inc. **B**

A team of dedicated professional system designers and installers that can custom build a solar energy system for any application. Whether you need an off-grid remote power source, or you're looking for a way to offset energy usage for your home or business, no job is too large or small. We work with numerous utilities, inspectors, engineers, and manufacturers to design a solar system suited for you. By utilizing the best incentives and rebates available we'll install a cost-effective and profitable system you can truly be proud of. [solarplanet-us.com](http://solarplanet-us.com)



### tenKsolar, Inc. **B**

Ten K produces the most advanced photovoltaic modules in the world. Based on its proprietary technology, Ten K offers high efficiency and highly reliable photovoltaic solutions for commercial rooftop, carports and ground mount applications. With over 500 installations in the US and 18 other countries, Ten K is one of the fastest growing solar providers in the world. Founded in 2008, Ten K Solar is headquartered in Minneapolis, Minnesota. [tenksolar.com](http://tenksolar.com)



### The Alliance for Solar Choice

The Alliance for Solar Choice works to protect critical rooftop solar policies, such as net metering, to encourage a fair, consumer-driven energy future. Founded by the largest rooftop companies in the nation, TASC works alongside industry leaders and community advocates to advance strong policies in Iowa and across the country. [allianceforsolarchoice.com](http://allianceforsolarchoice.com)



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## BRONZE SPONSORS

### Blue Sky Solar

We design and install solar energy systems for homeowners, small businesses, large commercial clients, and organizations. Our services include all major aspects of system design, installation, and activation. We strive to deliver the highest quality service, and warranty the installation of the system for 5 years after completion. We take pride in selecting high quality, top performing panels and system components for our customers. Our experienced install crew will ensure the system is expertly integrated with your building to produce clean electricity for decades to come. [blueskydbq.com](http://blueskydbq.com)



### Central Iowa Power Cooperative

Central Iowa Power Cooperative (CIPCO) is a member-owned, not-for-profit electric cooperative that generates and transmits power to 13 member-owned rural electric cooperatives and associations. CIPCO, Iowa's largest cooperative energy provider, celebrates over 69 years of providing power to Iowans. Central Iowa Power Cooperative continues to aggressively pursue viable alternative energy resources and the implementation of energy efficiency programs to meet future members' needs in a cost effective, reliable and environmentally responsible manner. [cipco.net](http://cipco.net)



### Clean Energy Works

Clean Energy Works connects champions of energy efficiency and renewable energy with resources that accelerate investment in clean energy solutions. Pay As You Save® (PAYS®) financing harnesses a proven utility investment model that can reach the largest addressable market for a wide range of distributed energy solutions. We focus on business plan development for utilities that are using PAYS to update their investment model for the 21st century and promote competitive, market-based approaches that clear barriers for entrepreneurs with innovative solutions and spur new job opportunities. We also provide advisory services to policy-makers, public interest groups, and companies interested in rapidly scaling up investment in clean energy solutions. [cleanenergyworks.org](http://cleanenergyworks.org)

Clean Energy  
WORKS

### Environmental and Energy Study Institute

EESI's overall mission is to promote environmentally sustainable societies to foster a transition to a low-carbon energy economy, based on energy efficiency and renewable energy. For 30 years, EESI has served as an educational resource for policymakers, an information conduit between federal, state, and local stakeholders, and a catalyst for innovative partnerships and solutions. Since being founded as a non-profit organization by a bipartisan Congressional caucus, EESI has earned a reputation for working constructively with a wide range of partners and constituencies to advance innovative solutions to energy, economic, and environmental challenges. [eesi.org](http://eesi.org)



### Geronimo Energy

Geronimo Energy is a utility-scale renewable energy development company headquartered in Edina, MN. Geronimo has developed multiple operating wind farms and solar projects throughout the Midwestern United States. Approximately 1,400 MW of solar and wind projects developed by Geronimo throughout the Midwest are expected to be constructed by the end of 2016. Geronimo has a multi-gigawatt development pipeline of wind and solar projects in various stages of development throughout the United States. Geronimo provides custom renewable energy development solutions for utilities and corporations looking to harness renewable energy for business growth. With deep roots in agriculture, Geronimo prides itself on developing wind farms that are farmer-friendly, community-driven, and beneficial for rural communities. [geronimoenergy.com](http://geronimoenergy.com)



### The Power Bureau

The Power Bureau is a consulting firm that provides energy commodity procurement and planning services to small and mid-sized organizations. We leverage our regulatory and portfolio management experience to secure the benefits and manage the risks in deregulated energy markets. The Power Bureau works closely with Facility Managers, Procurement Officers, and Energy Managers in cities, businesses, non-profits, and universities to provide a high level of expertise and advocate for energy decisions, planning, and purchases that bring the best price and best fit to the organization's goals. [thepowerbureau.com](http://thepowerbureau.com)



## MEDIA SPONSOR

### Midwest Energy News

Midwest Energy News, launched in 2010, is a nonprofit news site dedicated to keeping stakeholders, policymakers, and citizens informed of the important changes taking place as the Midwest shifts from fossil fuels to a clean energy system. [midwestenergynews.com](http://midwestenergynews.com)

MIDWEST ENERGY NEWS

# CONFERENCE PARTNERS

## Center for Rural Affairs **B**

For over forty years, the Center for Rural Affairs has advocated for policies that support strong rural communities and family farmers. We work on state and national legislation, conduct outreach and education, and collaborate with diverse stakeholders to advance renewable energy and energy efficiency as mechanisms for rural economic development. [cra.org](http://cra.org)



## Environmental Law & Policy Center (ELPC) **B**

The Environmental Law & Policy Center is the Midwest's leading public interest environmental legal advocacy and eco-business innovation organization, and among the nation's leaders. We are public interest environmental entrepreneurs who engage in creative business deal making with diverse interests to put into practice our belief that environmental progress and economic development can be achieved together. [elpc.org](http://elpc.org)



## Great Plains Institute (GPI) **B**

Great Plains Institute's mission is to transform the way our society produces, distributes, and consumes energy to be both environmentally and economically sustainable. Through research and analysis, consensus policy development, technology acceleration, and local action, we are leading the transition to clean, efficient, and secure energy. As part of the Grow Solar Partnership GPI is currently working in four states to assist local governments become "solar-ready." [betterenergy.org](http://betterenergy.org)



## Iowa Environmental Council **B**

The Iowa Environmental Council is a nonpartisan alliance of diverse organizations and individuals working together to protect and preserve Iowa's environment. By amplifying the voices of Iowans and leveraging our collective influence, we advocate for policies and programs that support continued clean energy leadership, healthy waters and land stewardship at the legislature, rulemaking agencies and when necessary, in the courts. [iaenvironment.org](http://iaenvironment.org)



## Iowa Solar Energy Trade Association (ISETA) **B**

ISETA is a professional organization dedicated to excellence in safety, quality of workmanship and technical standards for the benefit of the photovoltaic industry and its clients in the state of Iowa through public policy, public relations and education. [iowaseta.org](http://iowaseta.org)



## Midwest Renewable Energy Association (MREA) **B**

The Midwest Renewable Energy Association (MREA) is a non-profit 501(c)(3) educational organization. Founded in 1990, the MREA promotes renewable energy, energy efficiency, and sustainable living through education and demonstration. The MREA offers national accredited renewable energy certificate programs and hosts the country's largest and longest running energy education event each summer - The Energy Fair. [midwestrenew.org](http://midwestrenew.org)



## Midwest Renewable Energy Tracking System (M-RETS) **B**

M-RETS is a web-based system used by power generators, utilities, marketers, and qualified reporting entities in participating states and provinces. M-RETS tracks Renewable Energy Certificates (RECs) and facilitates REC transactions by issuing a unique, traceable digital certificate for every megawatt-hour (MWh) of renewable energy generated by registered units. [mrets.org](http://mrets.org)



## Winneshiek Energy District **B**

Winneshiek Energy District is leading the clean energy transition in Northeast Iowa. Through holistic energy planning, local investment and economic development, and community mobilization, we're also pioneering a highly replicable "universal local" model capable of leading the clean energy transition in every county in the country. In the Energy District model, green meets green and locally-owned clean energy becomes our common goal and future. [energydistrict.org](http://energydistrict.org)



## PRESENTATIONS & MORE.

Presentations from the event will be posted to our website, which is packed with useful resources.

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# Solar

# Scholar

The solar industry is ever-evolving. New technologies emerge, grids get smarter, and processes become more efficient. Stay at the top of your solar game with Continuing Education Credits and advanced training from the Midwest Renewable Energy Association. Online and In-Person. **Never stop learning.**

**Leading year-round, hands-on, and online renewable energy trainings.**

### MREA Certificate Programs

- PV Site Assessment
- Solar Thermal Site Assessment
- Small Wind Site Assessment
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Providing professionals with industry credentials in renewable energy technology.



midwest renewable energy association

Quality education since 1990.

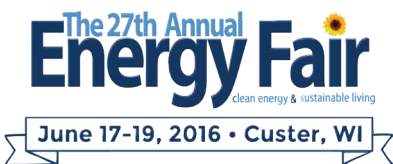
### MREA PV Courses

- Basic Photovoltaics
- PV Site Assessor Training
- PV System Design
- much more!

Offering Courses recognized by NABCEP for PV Entry Level Exam and Continuing Education Credits.

**VISIT: [MIDWESTRENEW.ORG/COURSES](http://MIDWESTRENEW.ORG/COURSES)**

or call 715-592-6595. Request a training catalog!  
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