

# **Welcome to Our Solar Power Hour!**

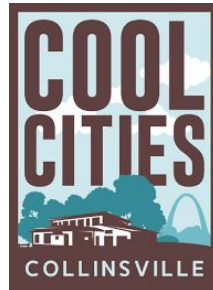


- Introduction to Zoom
- Sign up for a free site assessment by following the link in the chat



# GROW SOLAR

METRO EAST



# ***Thank You To Our Co-Host!***



# **SIERRA CLUB**

**Piasa Palisades Group**

[\*\*www.sierraclub.org/illinois/piasa-palisades\*\*](http://www.sierraclub.org/illinois/piasa-palisades)



# *Thank You To Our Co-Host!*



**Glen Carbon  
Centennial Library**

198 South Main Street | Phone: 618-288-1212 | [www.glencarbonlibrary.org](http://www.glencarbonlibrary.org)

**[glencarbonlibrary.org](http://glencarbonlibrary.org)**





# *Thank You To Our Co-Host!*



**The National Great Rivers  
Research & Education**

[www.ngrrrec.org](http://www.ngrrrec.org)



# ***Thank You To Our Co-Host!***



**[watershednaturecenter.org](http://watershednaturecenter.org)**



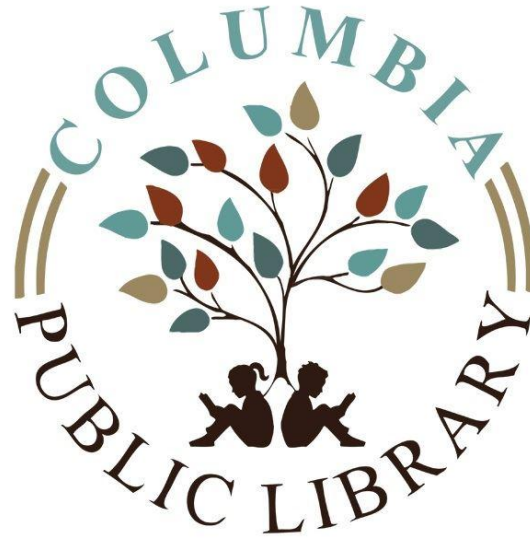
# *Thank You To Our Co-Host!*



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



# ***Thank You To Our Co-Host!***



[\*\*www.columbialibrary.org\*\*](http://www.columbialibrary.org)



# *Thank you to our Co-host!*



[www.heartlandsconservancy.org](http://www.heartlandsconservancy.org)



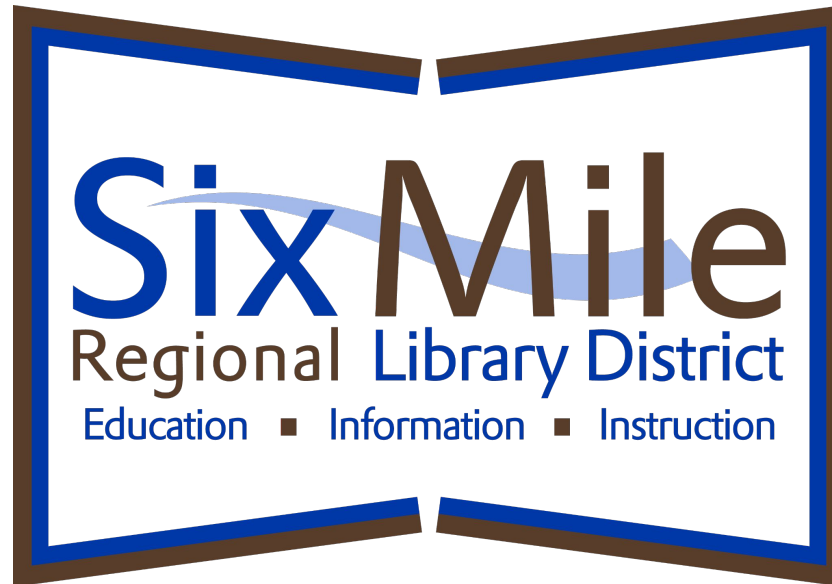
# ***Thank You To Our Co-Host!***

**MADISON COUNTY**  
BUILDING & ZONING

[\*\*www.co.madison.il.us\*\*](http://www.co.madison.il.us)



# *Thank You To Our Co-Host!*



[www.smrld.org](http://www.smrld.org)





# Illinois Power Agency Consumer Protection Brochure



## What is Illinois Shines?<sup>1</sup>

**Illinois Shines** is the brand name of the **Adjustable Block Program**, a state-administered program for new solar photovoltaic ("PV") systems. The program provides payments in exchange for 15 years of Renewable Energy Credits ("RECs") generated by new PV systems. These payments, made by Illinois utilities, vary depending on the system's size and where it is located. Participating in Illinois Shines is the same thing as participating in the Adjustable Block Program.

## What are RECs and why are they valuable?

RECs represent the *environmental value* of the electricity generated from solar panels, but not the electricity itself. Whoever owns the RECs has the right to say they used that solar power. Utilities must purchase RECs to meet their obligation to supply a certain amount of power from renewable energy. RECs can also be valuable to businesses seeking to be able to say that they use solar power.

A home PV system might generate 50-200 RECs over 15 years. By participating in Illinois Shines, you will transfer the RECs from your PV system to an Illinois electric utility. Selling your RECs will not affect your PV system's production.

For more information on RECs, see a video at [vimeo.com/113250210](http://vimeo.com/113250210).

## Do you have to allow your RECs to be sold in order to go solar?

Although you can keep your RECs or sell them to someone besides utilities, participating in Illinois Shines and thus allowing your RECs to be sold to a utility is likely to be your best financial option. Selling your RECs through this program will make it more likely that your PV system will save you money.



## What information will you receive before you sign an installation contract?

Your contractor is required to provide you with an **Illinois Shines Standard Disclosure Form**. It includes contact information for everyone who has a part in your solar contract, information about the installation process, and an estimate of your system's costs and how much money you may save. Review this form carefully.

## What are the financing and ownership options when installing solar?

The most common options are 1) buying the system, 2) leasing the system, or 3) signing a Power Purchase Agreement ("PPA"). If you lease or sign a PPA, you don't own the system, but you get many of the benefits. For more information, see [www.cesa.org/resource-library/resource/a-homeowners-guide-to-solar-financing-leases-loans-and-ppas](http://www.cesa.org/resource-library/resource/a-homeowners-guide-to-solar-financing-leases-loans-and-ppas).

Illinois Shines and the Adjustable Block Program are administered by InClimate, Inc. on behalf of the Illinois Power Agency, an independent state government agency.

When deciding on the best option for you, consider:

- If you're buying the system, how much will it cost? Will you take out a loan to pay for it? How do the loan payments compare to projected reductions in your monthly electric bill?
- If you're leasing, how much is your monthly lease payment? How does that compare to projected reductions in your monthly electric bill? Do you have to put money down at the start?
- If you're signing a PPA, how much is the per kilowatt hour price for the energy produced? How does that compare to your current electricity rate? Do you have to put money down at the start?
- Does your lease or PPA include an escalation clause that increases the amount of payments over time? If so, by how much do payments increase?

## If you get solar panels, are you guaranteed to save money?

You are not guaranteed to save money unless your contract includes an explicit guarantee. The questions below will affect whether you save money.<sup>2</sup> You can answer some questions yourself, while others can be answered by your installer or sales agent.

- **What per kilowatt-hour rate are you currently paying for electricity?**  
The higher the electricity rate before you go solar, the more money you can potentially save.
- **Is your roof good for solar?**  
The direction your roof faces and how much shade it gets will affect how much electricity roof-mounted PV will generate. The roof's condition should also be considered.
- **How much electricity will the system generate?**  
If your system produces more electricity than you use over an annual period, you may not receive credit for all the electricity generated.
- **How much money will you receive for RECs?**  
The Approved Vendor will be paid by a utility for your system's RECs and may use some of that money to reduce your cost of going solar.
- **Can you use the federal Investment Tax Credit?**  
If you buy your system, you may qualify for a substantial federal income tax credit. Consult your tax adviser.
- **How long do you expect to stay in your home or business location?**  
If you lease or sign a PPA, you may be required to buy out the contract if you move. Read your contract to find out what happens if you move.

## What is net metering and how do you enroll?

Net metering measures the electricity your PV system produces and credits you for it on your electric bill. If you



buy electricity from your utility (e.g., basic service or hourly pricing), you must contact the utility to enroll in net metering. If you buy electricity from a Retail Electric Supplier (e.g., through municipal aggregation or an individual contract), you must contact the supplier to enroll in net metering. If you later change your electricity supplier, you will need to re-enroll in net metering with your new supplier. Failure to enroll or re-enroll may significantly impact the value you receive from your PV system.

## Consumer rights

For your PV system to participate in Illinois Shines, an Approved Vendor will submit your PV system for application to the program. (The Approved Vendor will be identified on the Standard Disclosure Form you receive.) If the application is approved and after the system starts operating, the Approved Vendor will receive payments for the first 15 years of your system's RECs. **You have a right to request information** about your system's application status and how

much a utility is paying for its RECs. Some of that information will be on the Standard Disclosure Form. The Approved Vendor must respond to issues related to ensuring that your PV system is generating electricity and producing RECs. Only companies that are Approved Vendors can submit your system to participate in the program.

## Complaint procedures

If you have a problem related to your PV system or the sales process, **first try to resolve it with your installer or the Approved Vendor**. If you can't agree about how to solve the problem, you may contact the **Illinois Shines/Adjustable Block Program Administrator** by emailing [admin@illinoisshines.com](mailto:admin@illinoisshines.com) or by calling 877-783-1820.

If you have been subject to fraudulent or deceptive sales practices, the Illinois Attorney General's Consumer Protection Division may be able to help. Customers can contact it at:

**Chicago**  
800-386-5438 | TTY: 800-964-3013  
**Springfield**  
800-243-0618 | TTY: 877-844-5461  
**Carbondale**  
800-243-0607 | TTY: 877-675-9339  
**Spanish Language**  
866-310-6398



For more information, go to [www.illinoisshines.com](http://www.illinoisshines.com)

Going solar is a major decision, so exercise the same caution you would when making other major consumer decisions. It is good to get quotes from at least three contractors and to check references. Also, make sure to read and understand the entire contract before signing it.

<sup>1</sup> This brochure is designed primarily for customers of Ameren Illinois Company, Commonwealth Edison Company, and MidAmerican Energy Company. For consumers in electric cooperative, municipal utility, or Mt. Carmel Public Utility territories, some policies—such as net metering—may vary. Contact those utilities for details.

<sup>2</sup> Commercial and multi-family residential buildings may be eligible for a rebate for a smart inverter. See <https://illinoisolar.org/blog/617261/>; also see [www.commed.com/SmartEnergy/InnovationTechnology/Pages/DGRbate.aspx](http://www.commed.com/SmartEnergy/InnovationTechnology/Pages/DGRbate.aspx) and [www.ameren.com/illinois/electric-choice/renewables/distributed-generation](http://www.ameren.com/illinois/electric-choice/renewables/distributed-generation).

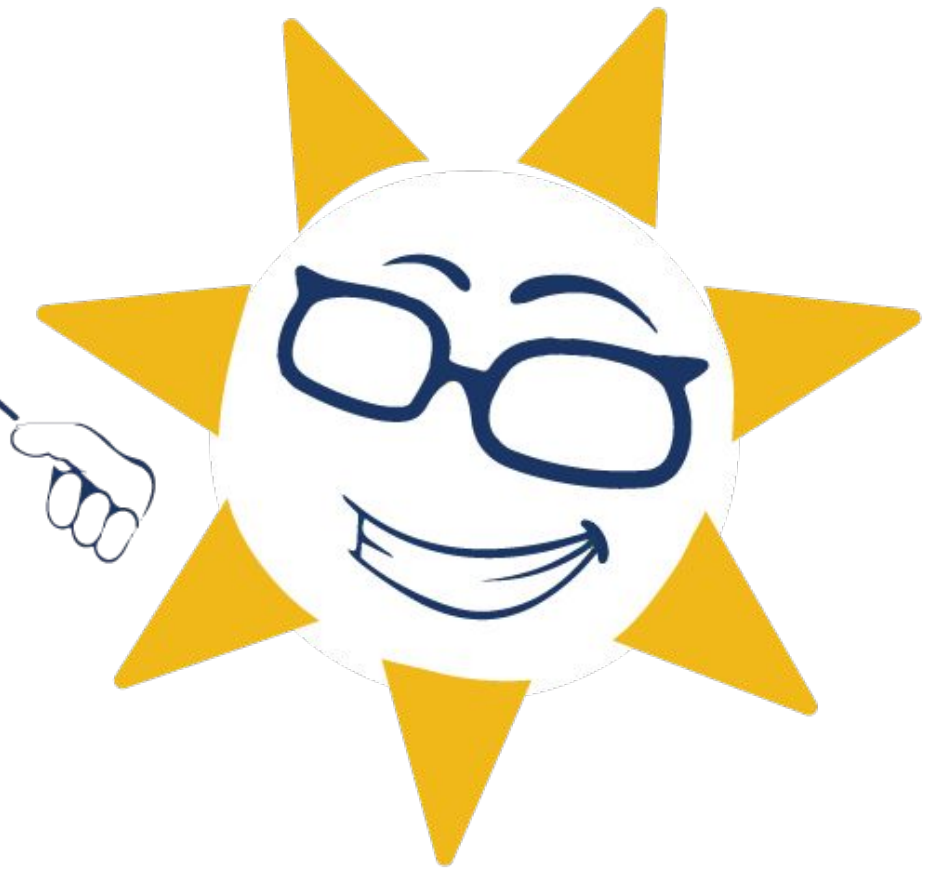


## Today's Agenda

- What is the GSME Group Buy Program?
- How does Solar Power work?
- Costs and cost-saving incentives
- How to begin your solar journey

**> We will simplify a complex topic!!! <**

It's time  
for a  
poll!





## Program Results:

## 2.0+ MW Signed



Livingston New Douglas  
**GROW SOLAR**  
METRO EAST

## Solarize Godfrey (2016)

## Solarize Madison County/GC (2017)

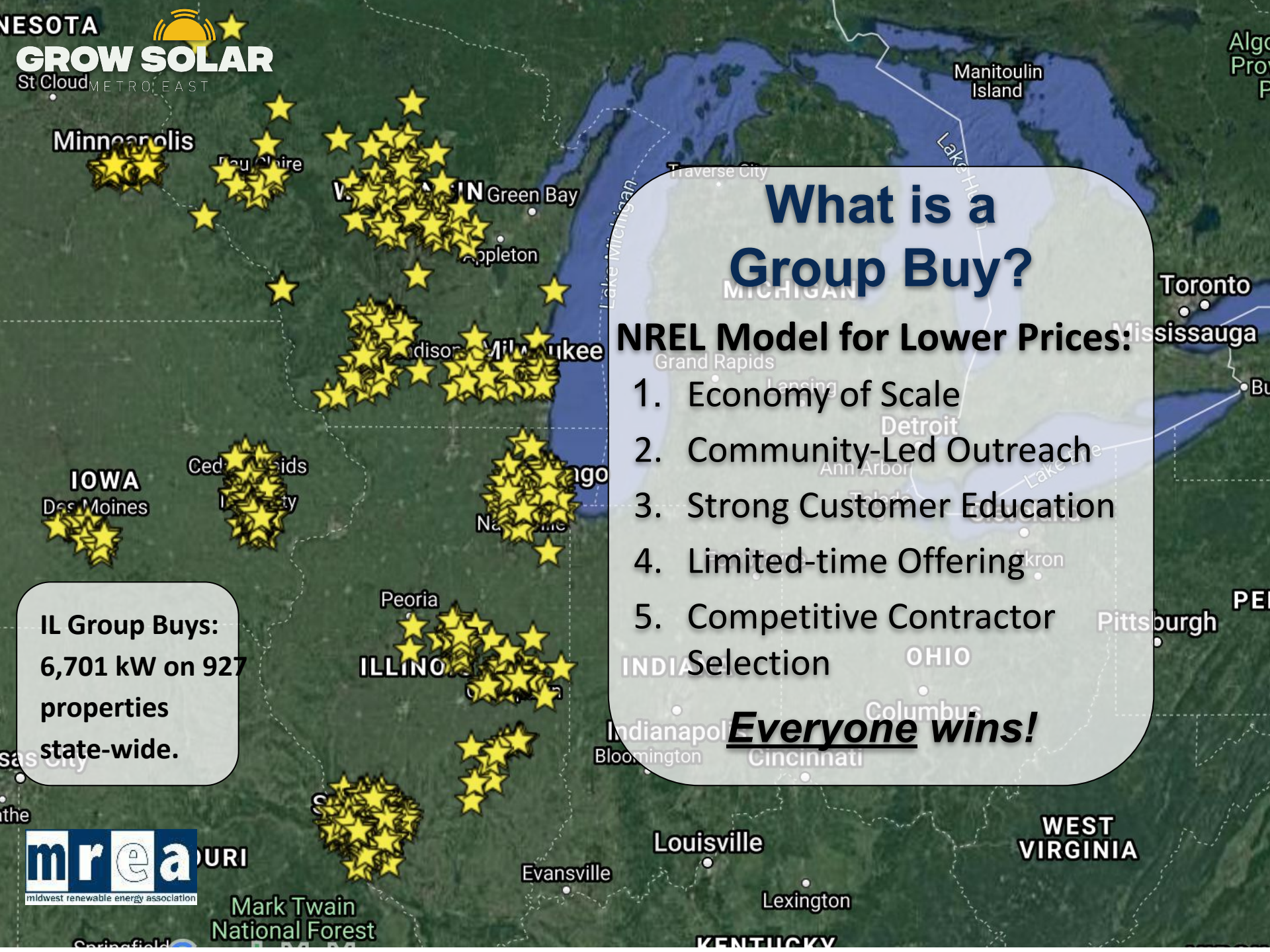
## Solarize Metro East (2018)

## Grow Solar Metro East (2019)

## Grow Solar Metro East (2020)







## What is a Group Buy?

### NREL Model for Lower Prices:


1. Economy of Scale
2. Community-Led Outreach
3. Strong Customer Education
4. Limited-time Offering
5. Competitive Contractor Selection

**Everyone wins!**

IL Group Buys:  
6,701 kW on 927  
properties  
state-wide.



# Grow Solar Metro East Group Buy Program

- 
- **15 Virtual Solar Power Hour** outreach sessions.
  - Open to **Madison, Monroe and St. Clair County** residents, businesses, farms & nonprofits. **System sizes 3.8 - 35 kW DC.**
  - **All-in Pricing**. Program pricing includes turnkey design, permitting, components, installation
  - **Additional rebates** as more arrays are installed in Grow Solar territory
  - **Deadline: August 31, 2021**
  - **Complementary programs: Grow Solar St. Louis & RenewSTL**



# StraightUp SOLAR



## About StraightUp Solar

- Founded in 2006
- Serves IL and MO
- 1700+ installations
- 85+ Employees with over 46% with NABCEP Certification
- Won 13 MREA group buy programs
- Certified B Corporation
- Amicus Solar Cooperative member
- REC Premium Installer
- 10-year workmanship and production warranty

Certified



Corporation



illinois solar  
energy association



# ***How Does Solar Work?***

## ***Part 2 of 5***



# What's a Kilowatt (kW) and a Kilowatt Hour (kWh)?



## **KILOWATT HOUR (kWh)**

a unit of energy used or produced. This is what shows up on your bill.



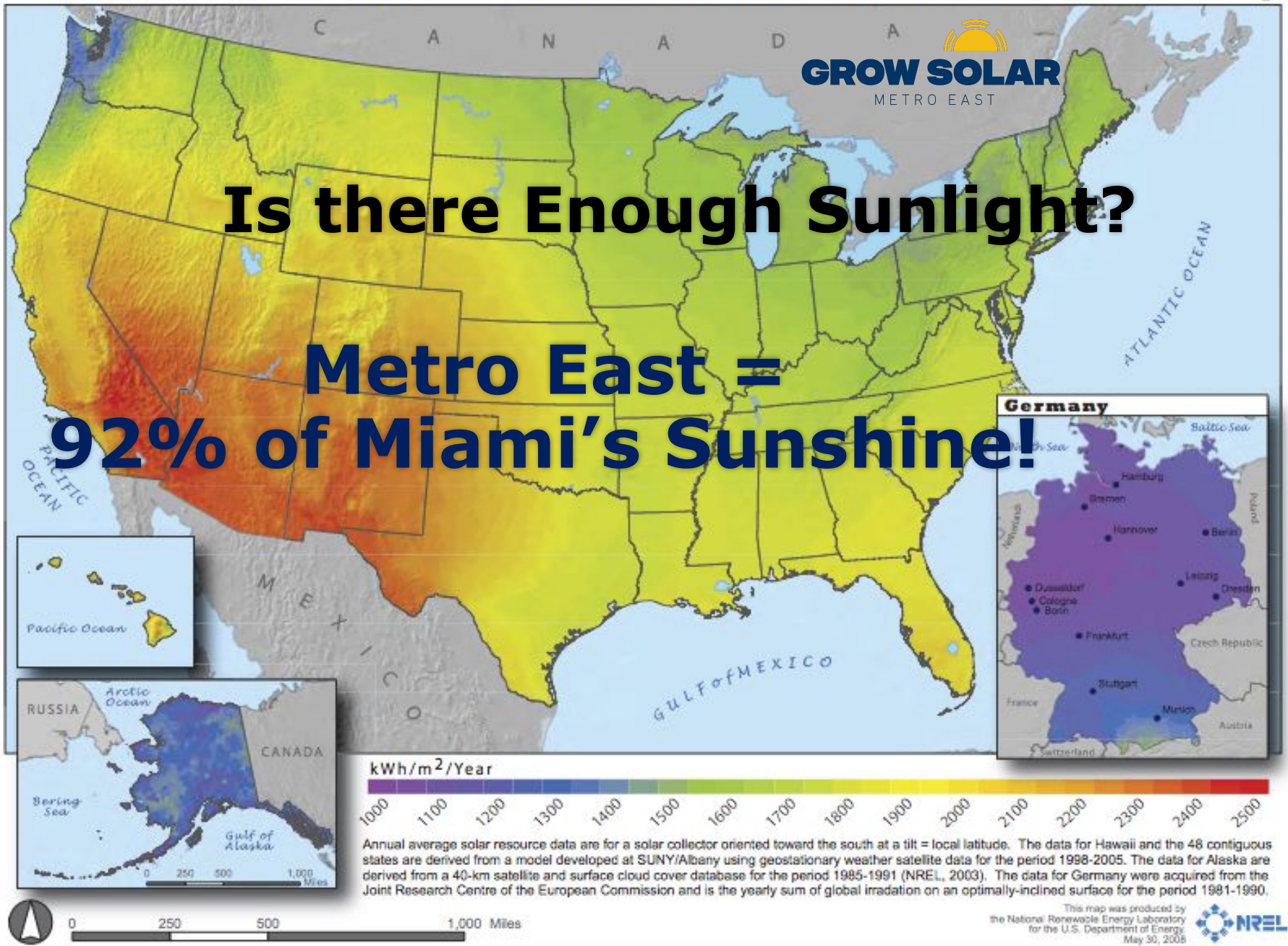
## **KILOWATT (kW)**

a measurement of capacity: how big your array is.



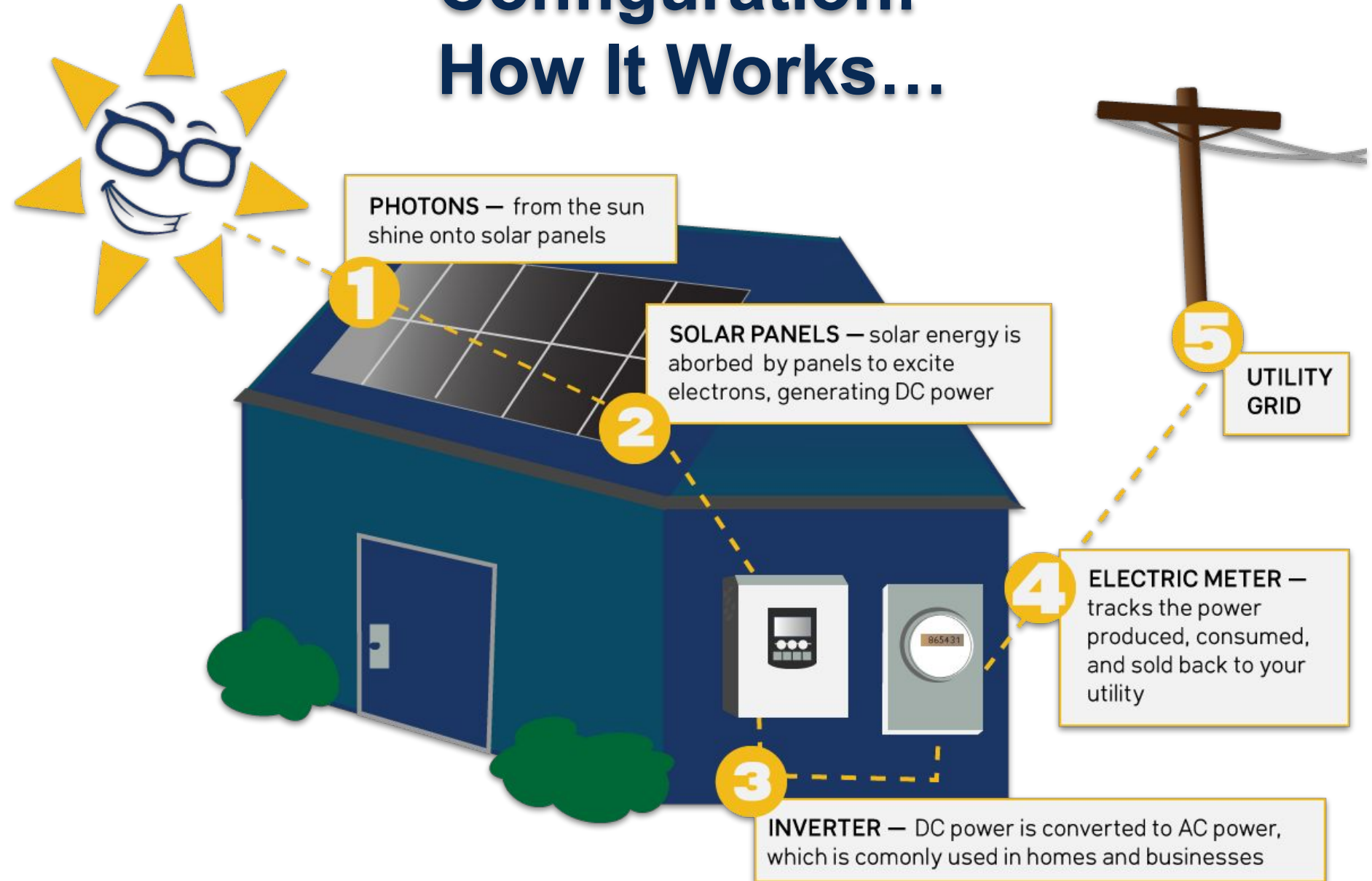
Every home's system size and energy use is different.

# Photovoltaic Solar Resource : United States and Germany

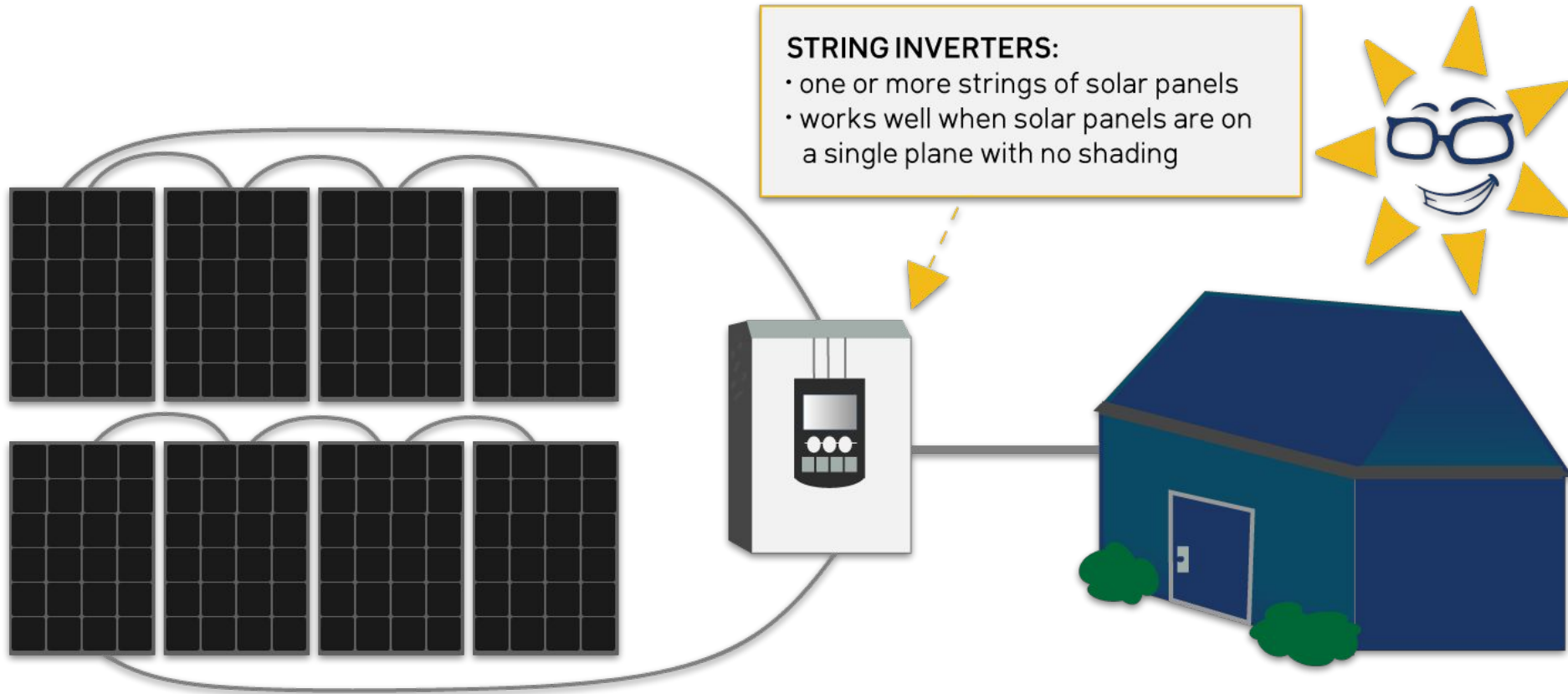




# Configuration: How It Works...



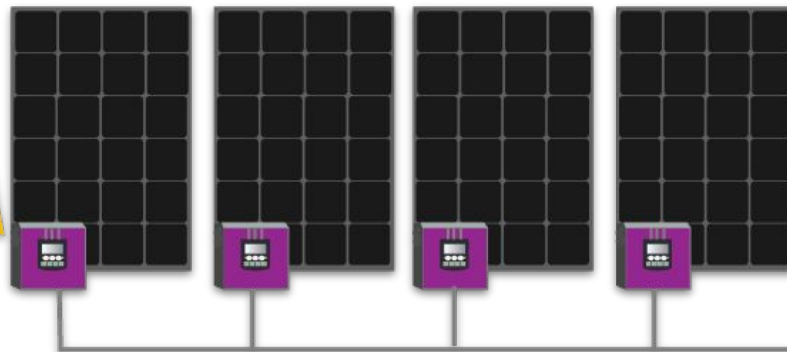
# Inverter, the heart of the array.



# Inverter, the heart of the array.

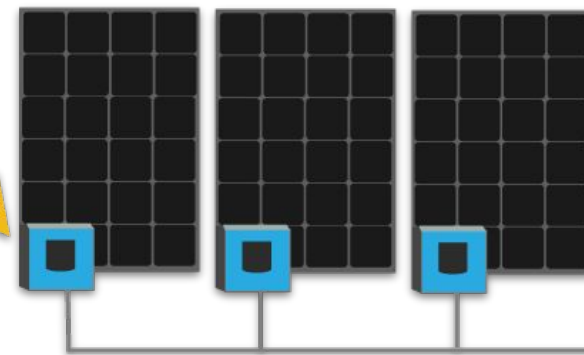
## MICRO INVERTERS:

- one microinverter per panel
- function well on roofs with shade or multiple panel orientations



## POWER OPTIMIZERS:

- one optimizer per panel, plus central string inverter
- function well on roofs with shade or multiple panel orientations



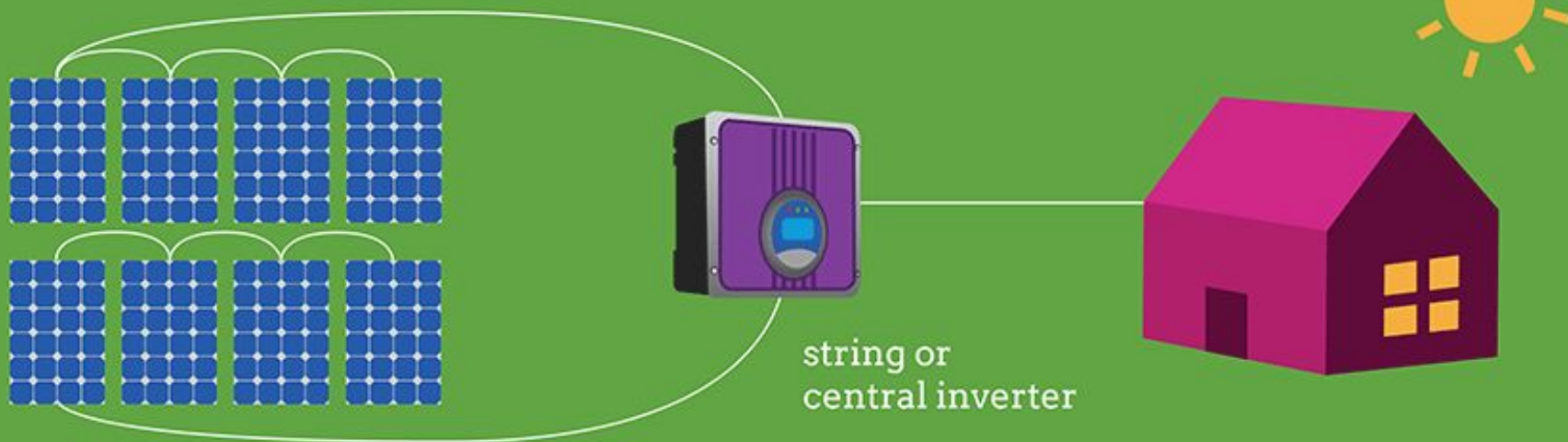
INVERTER



# Inverter: The heart of the solar array

## String Inverters

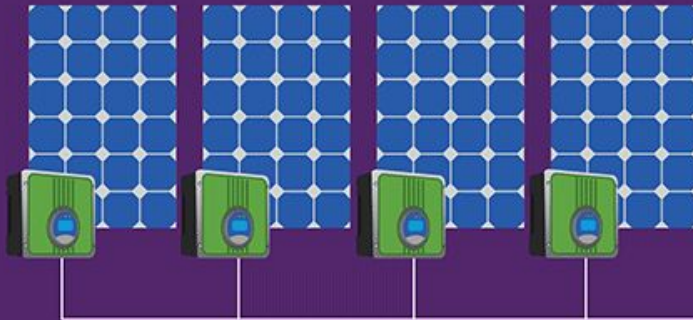
- one or more 'strings' of solar panels
- work well when solar panels are on a single plane with no shading





# Microinverters

- one microinverter per panel
- function well on roofs with shade or multiple panel orientations

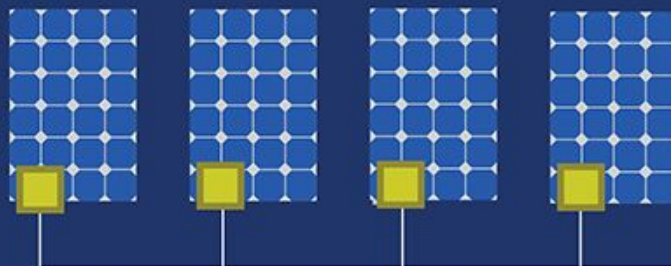


microinverters



# Power Optimizers

- one optimizer per panel, plus central string inverter
- function well on roofs with shade or multiple panel orientations



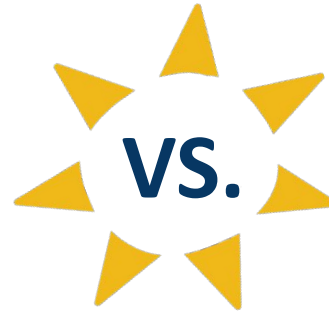
power optimizers



inverter



# Grid-Tied



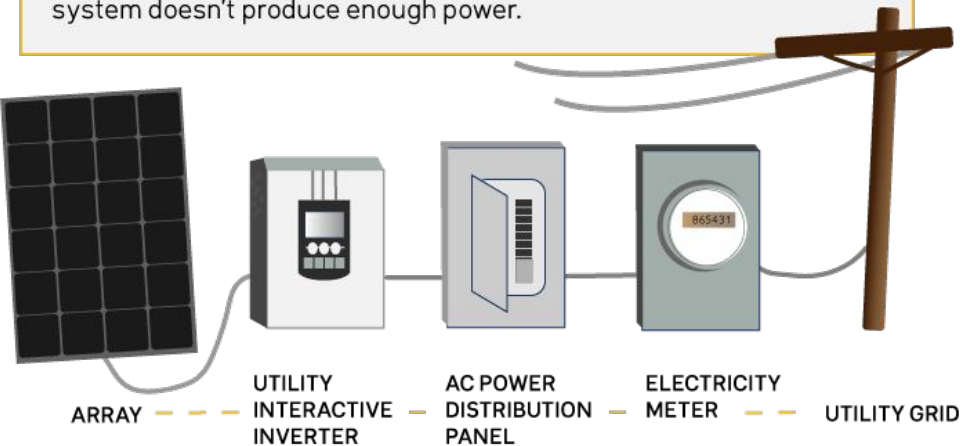
VS.

# Off-Grid

## GRID-TIED DESIGN:

Excess electricity can be delivered to the utility grid, **AND** you can use electricity from the utility grid when your system doesn't produce enough power.

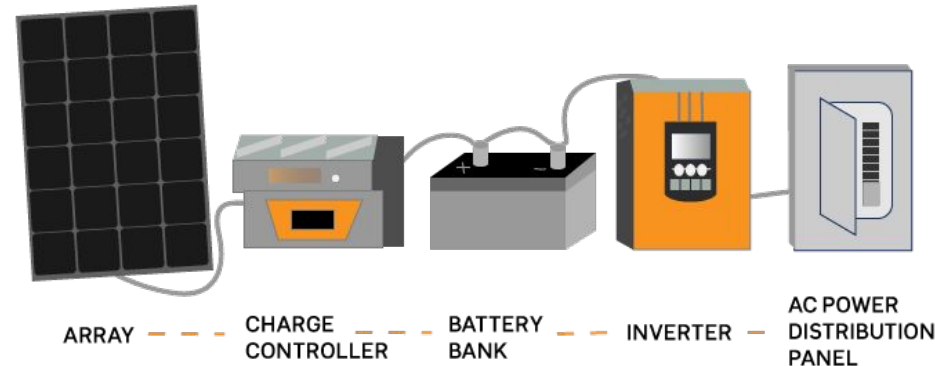
- Least Expensive Option
- Allows for Net Metering
- Grid Off = Solar Off



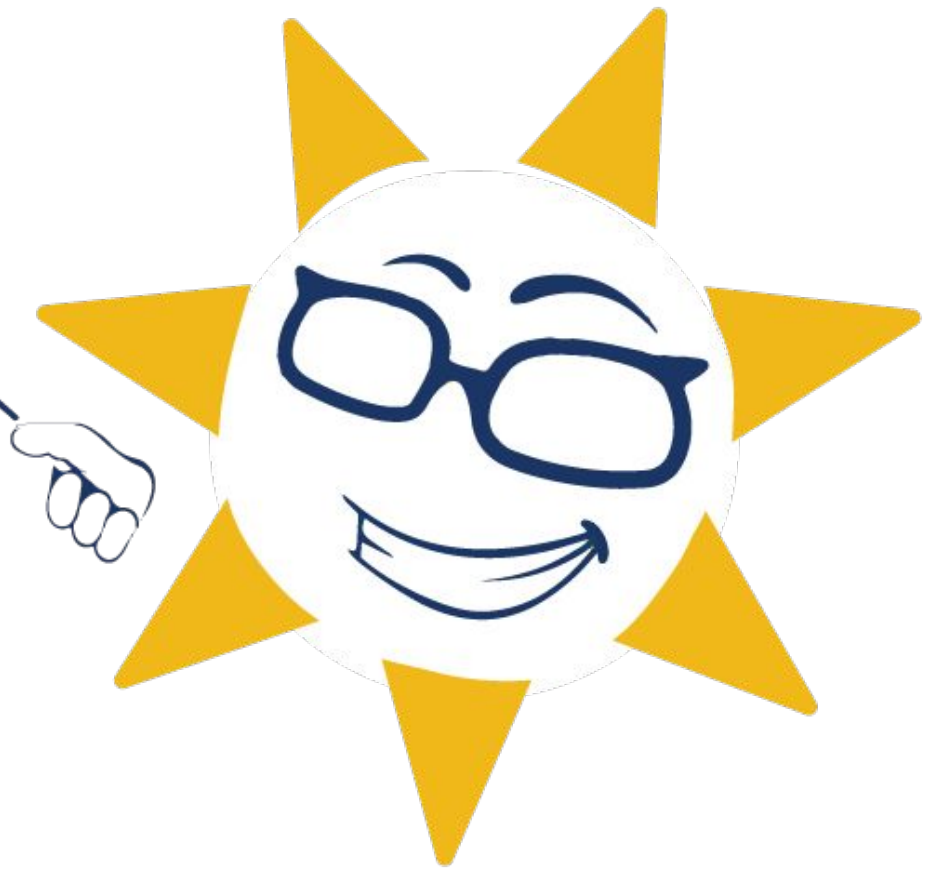
## OFF-GRID DESIGN:

A stand-alone PV system that operates autonomously and supplies power to electrical loads independent of the utility grid.

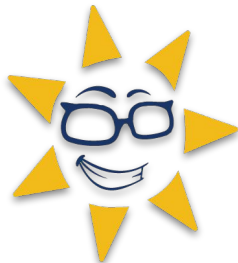
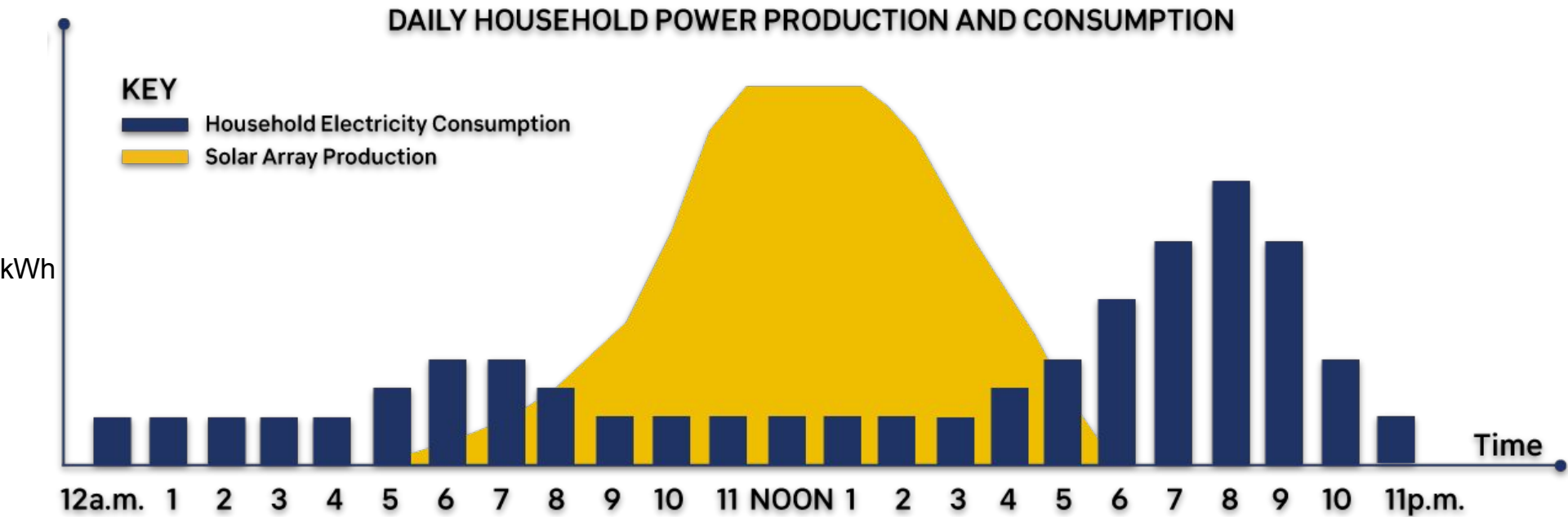
- Requires Batteries & Charge Controller
- Not Connected to the Grid
- Grid Off = Solar On



It's time  
for a  
poll!

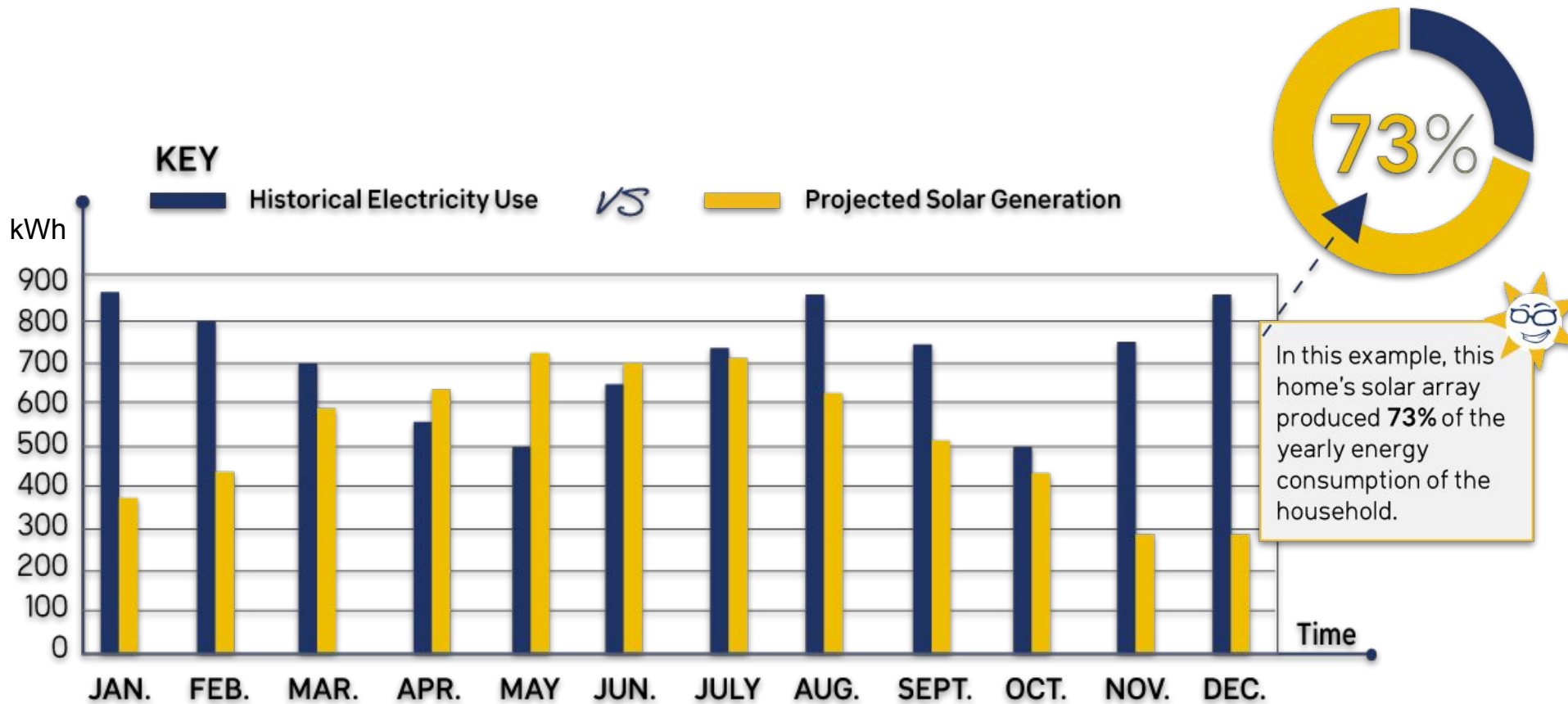


# “A Day in the Life” of a Grid-Tied / Net Metered Home



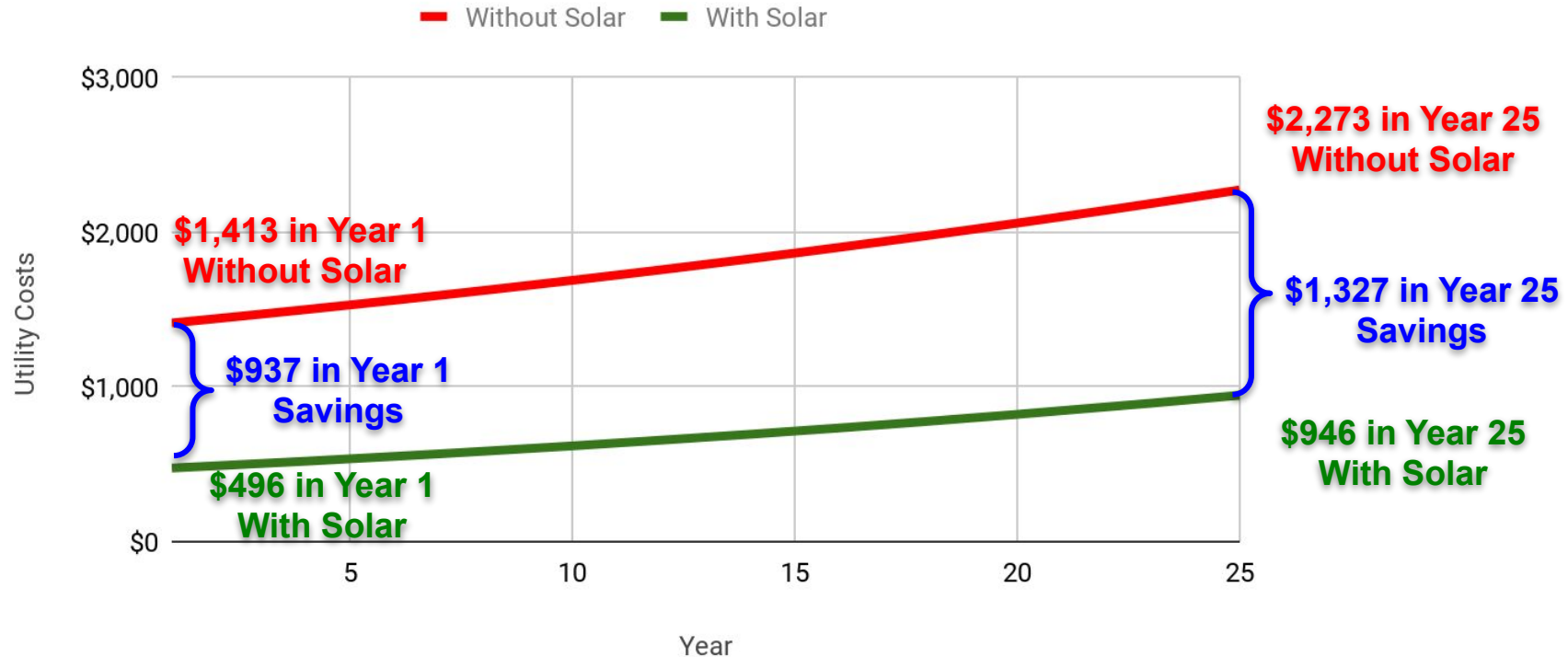
- Net Metering is generally calculated on a monthly basis
- Net Metering policies vary based on utility

# “A Year in the Life” of a Grid-Tied / Net Metered Home



# Reduce Your Energy Bill

Energy Costs for 7.4kW Array



Estimated electric bill over 25 Years: 11.6 cents/kWh + 2.0% annual increase

25-year electricity cost post-solar: **5.6 cents/kWh**

***Estimated 25-Year Savings: \$28,065!***





AmerenIllinois.com  
Customer Service 1.800.755.5000

Statement Issued

05/14/2020

Amount Due

Due Date

Jun 4, 2020

Account Number

Customer Name

Service Address

### Payment Details

	DATE	AMOUNT
Payment Received	April 29, 2020	\$83.69

### Electric Service Residential Billing Detail - Rate Zone III

04/10/2020 - 05/12/2020 (32 days)

#### Electric Meter Read for 04/10/2020 - 05/12/2020 (32 days)

READ TYPE	METER NUMBER	CURRENT METER READ	PREVIOUS METER READ	READ DIFFERENCE	MULTIPLIER	USAGE
Total kWh	72260189	284.0000 Actual	0.0000 Actual	284.0000	1.0000	284.0000
Peak kW	72260189	6.4700 Actual	0.0000 Actual	6.4700	1.0000	6.4700
kWh Out	72260189	1031.0000 Actual	0.0000 Actual	1031.0000	1.0000	1031.0000

Solar Energy Sent  
to the Grid

Energy  
Used From  
The Grid

#### Usage Summary

Total kWh	284.0000	Non-Summer kWh	284.0000
On-Site Excess Gen kWh	-1031.0000	Delivery Net Total kWh	-747.0000
Del Prior Carryovr Gen	0.0000	Delivery Net Billable kWh	0.0000
Delivery Carryovr Gen kWh	-747.0000	Supply Net Total kWh	-747.0000
Supply Prior Carryovr Gen	0.0000	Supply Net Billable kWh	0.0000
Supply Carryover Gen kWh	-747.0000		

Net  
Metering  
Value -  
Credit

Smart Meter

Net Metering-Method A/C-Non-TOU-Apr

	CHARGE DESCRIPTION	USAGE UNIT	RATE	CHARGE
Electric Delivery	Customer Charge			\$8.31
Ameren Illinois	Meter Charge			\$5.42
DS-1 Residential Delivery Service				

Monthly  
Fixed Costs

Electric Delivery \$13.73



# ***Options & Considerations***

## ***Part 3 of 5***



# Every Home Is Different

Your PV system will be tailor-made to fit your needs.



## Pricing Varies by Site and Needs:

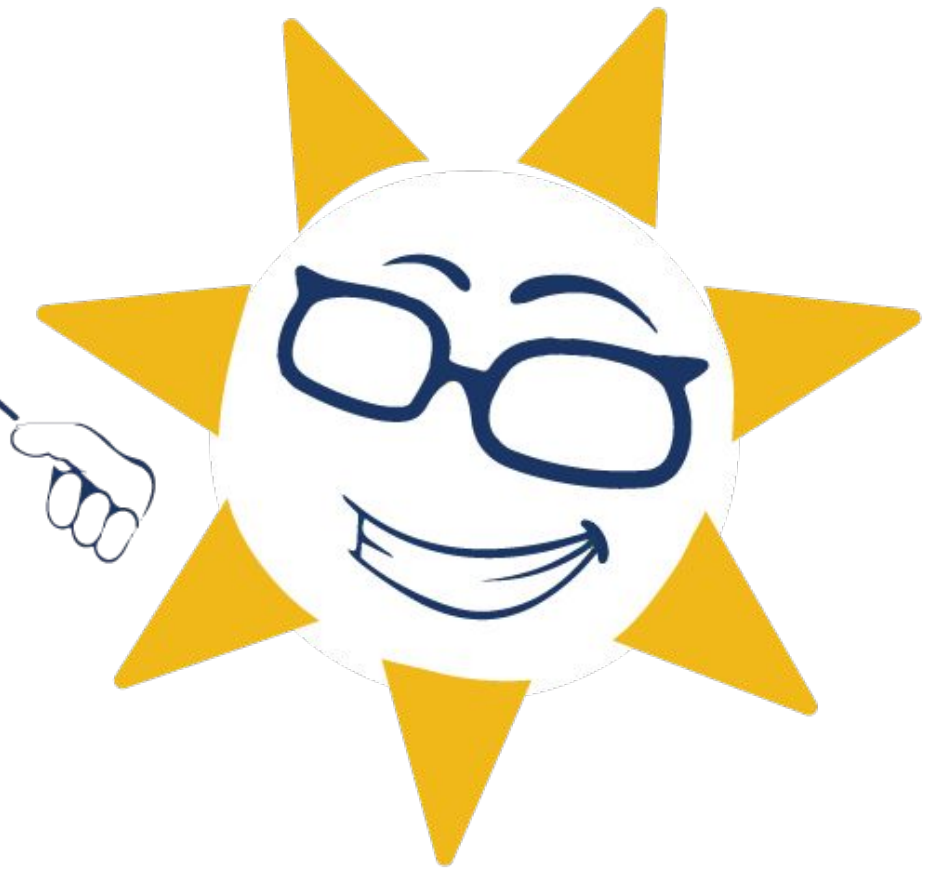
- System Design and Size
- Age and Type of Roof
- Panel Type
- Inverter Type
- Height and Pitch of Roof
- Complexity of Electrical Interconnection
- Multiple PV Arrays
- Energy Storage
- Transformer & Electric Service Upgrade



# Is Your Site Suitable for Solar?

- Need a good solar “window”
  - South is ideal, but East + West only reduces production ~20%
- Other Environmental Concerns
  - Shading
  - Snow / Hail
  - Wind Loading
  - Squirrels
- Homeowner’s insurance may cover solar at minimal additional expense.

It's time  
for a  
poll!





# Solar + Storage

## You Might Need Batteries If You:

1. Pay high power prices
2. Pay “Time of Use” or “Demand Charges”
3. Want more energy-independence
4. Need uninterrupted power
5. Don’t get full net-metering credit

**Wall-Mounted  
Battery**



# Solar + Storage

## Considerations

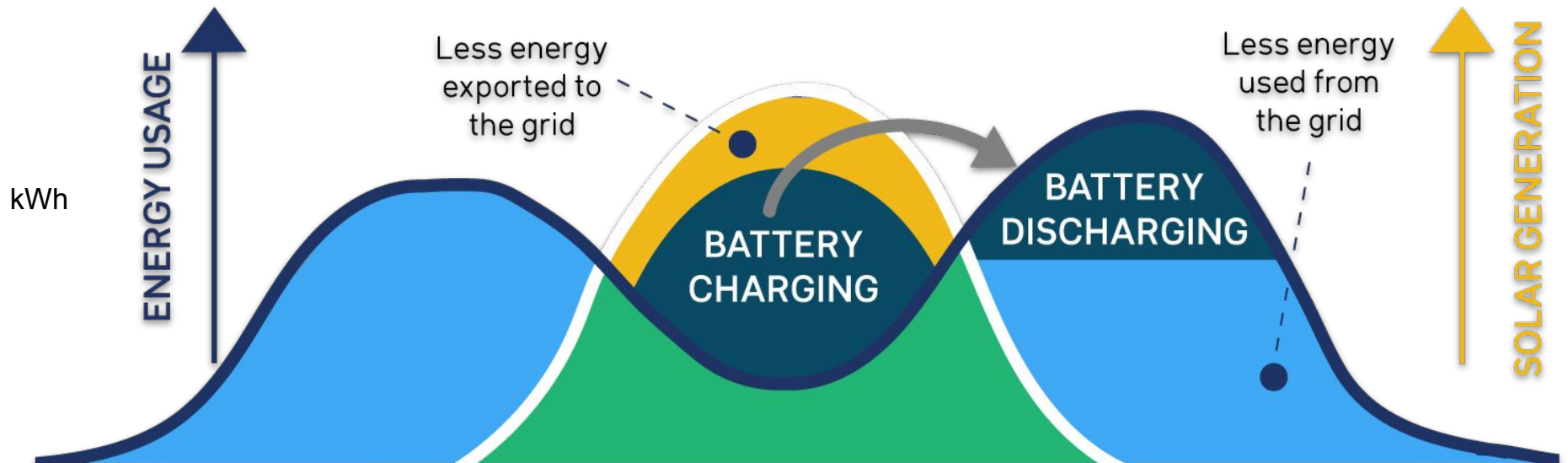
- In Grow Solar Metro East, batteries start at around \$15,000 (13.5 kWh of available power).
- A few hours of back-up power for only a few appliances--**NOT** a whole-house solution.
- The 26% Federal tax incentive does not apply when batteries are bought separately.

**Wall-Mounted  
Battery**





# Solar + Storage



## FINANCIAL CASES FOR BATTERIES:

- **TIME OF USE (TOU)** — If your utility charges you different rates depending on the time of day that electricity is being used.
- **NET METERING** — If the excess generation from your solar array is credited at avoided cost rates (i.e. wholesale electricity prices).
- **DEMAND CHARGES** — Sometimes utilities have demand charges, meaning your electricity rate varies based on your peak demand, which is the period of time during the billing cycle that you use the greatest amount of electricity (usually calculated in 15 minute increments).

# IL Homeowner's Solar Rights Act

## Section 1. Short title. This Act may be cited as the Homeowners' Solar Rights Act.

Section 5. Legislative intent. The legislative intent in enacting this Act is to protect the public health, safety, and welfare by encouraging the development and use of solar energy systems in order to conserve and protect the value of land, buildings, and resources by preventing the adoption of measures which will have the ultimate effect, however unintended, of preventing the use of solar energy systems on any home that is subject to a homeowners' association, common interest community association, or condominium unit owners' association.

### Section 10. Definitions. In this Act:

"Solar energy" means radiant energy received from the sun at wave lengths suitable for heat transfer, photosynthetic use, or photovoltaic use.

"Solar collector" means:

- (1) an assembly, structure, or design, including passive elements, used for gathering, concentrating, or absorbing direct and indirect solar energy, specially designed for holding a substantial amount of useful thermal energy and to transfer that energy to a gas, solid, or liquid or to use that energy directly; or
- (2) a mechanism that absorbs solar energy and converts it into electricity; or
- (3) a mechanism or process used for gathering solar energy through wind or thermal gradients; or
- (4) a component used to transfer thermal energy to a gas, solid, or liquid, or to convert it into electricity.

"Solar storage mechanism" means equipment or elements (such as piping and transfer mechanisms, containers, heat exchangers, or controls thereof, and gases, solids, liquids, or combinations thereof) that are utilized for storing solar energy, gathered by a solar collector, for subsequent use.

"Solar energy system" means:

- (1) a complete assembly, structure, or design of solar collector, or a solar storage mechanism, which uses solar energy for generating electricity or for heating or cooling gases, solids, liquids, or other materials; and
- (2) the design, materials, or elements of a system and its maintenance, operation, and labor components, and the necessary components, if any, of supplemental conventional energy systems designed or constructed to interface with a solar energy system.

**Section 15. Associations; prohibitions. Notwithstanding any provision of this Act or other provision of law, the adoption of a bylaw or exercise of any power by the governing entity of a homeowners' association, common interest community association, or condominium unit owners' association which prohibits or has the effect of prohibiting the installation of a solar energy system is expressly prohibited.**

Section 20. Deed restrictions; covenants. No deed restrictions, covenants, or similar binding agreements running with the land shall prohibit or have the effect of prohibiting a solar energy system from being installed on a building erected on a lot or parcel covered by the deed restrictions, covenants, or binding agreements, if the building is subject to a homeowners' association, common interest community association, or condominium unit owners' association. **A property owner may not be denied permission to install a solar energy system by any entity granted the power or right in any deed restriction, covenant, or similar binding agreement to approve, forbid, control, or direct alteration of property.**

However, for purposes of this Act, the entity may determine the specific location where a solar energy system may be installed on the roof within an orientation to the south or within 45 degrees east or west of due south provided that the determination does not impair the effective operation of the solar energy system. Each homeowners' association, common interest community association, or condominium unit owners' association shall adopt an energy policy statement regarding the location, design, and architectural requirements of solar energy systems within 120 days after an association receives a request for a policy statement or an application from an association member. An association shall disclose, upon request, its energy policy statement and shall include the statement in its homeowners' common interest community, or condominium unit owners' association declaration.

Section 25. Standards and requirements. A solar energy system shall meet applicable standards and requirements imposed by State and local permitting authorities.

Section 30. Application for approval. Whenever approval is required for the installation or use of a solar energy system, the application for approval shall be processed by the appropriate approving entity of the association within 90 days after the submission of the application. However, if an application is submitted before an energy policy statement is adopted by an association, the 90 day period shall not begin to run until the date that the policy is adopted.

Section 35. Violations. Any entity, other than a public entity, that willfully violates this Act shall be liable to the applicant for actual damages occasioned thereby and for any other consequential damages. Any entity that complies with the requirements of this Act shall not be liable to any other resident or third party for such compliance.

Section 40. Costs; attorney's fees. In any litigation arising under this Act, the prevailing party shall be entitled to costs and reasonable attorney's fees.

Section 45. Inapplicability. This Act shall not apply to any building which is greater than 30 feet in height

## Public Act 096-1436

# Energy Efficiency

- ***StraightUp Solar will reimburse up to \$300 for an energy audit\****

- LED lighting
- Energy Star appliances
- High Efficiency Heating and Cooling (HVAC)
- Power strips
- Air sealing & insulation
- Electricity usage habits

Ameren's efficiency incentive program can be found at [AmerenIllinoisSavings.com](http://AmerenIllinoisSavings.com)



*\* Energy efficiency auditor must be certified by Building Performance Institute or in Ameren Illinois Trade Ally Network.*

# ***What Are The Incentives?***

## ***Part 4 of 5***





## **Residential & Commercial Renewable Energy Tax Credit (Federal)**

- **Tax credit of 26%** on qualified expenditures
  - Includes labor costs, system installation, interconnection wiring
  - Does not include new roof unless roof reinforcement is necessary to support the solar panels
- No maximum credit, but requires you have tax appetite
- Steps down to 22% in 2023 and then 0% in 2024.
- A home must be owned by the taxpayer but does not have to serve as the principal residence
- Incentive details at [energystar.gov](https://energystar.gov) or [irs.gov](https://irs.gov)



## Illinois Law & SRECs

- **25% Renewable Energy (RE) on the IL grid by 2025**
  - **We have about 9% RE now; ~1% is solar.**
- **RE Expansion through Solar Renewable Energy Credits (SRECs).**
- **SRECs funding comes from major utility companies through a small fee on customers (NOT A TAX!)**
- **SRECs give you cash payments based on projections of future energy production for your solar project.**



# Solar Renewable Energy Credits

## SRECS = "Green Value"



**Bob installs  
a  
7.7 KW  
Solar Array**



**Solar Vendor Estimates  
Production = 9,700 KWh/year  
  
9.7 MWhr = 9.7 SRECs**



**Bob sells 15 years  
of SRECS for \$72.28**

**Bob gets  
\$10,517 a few  
months later \***

- ★ \* For <10 kW AC systems in Illinois. Does not illustrate administrative fees.
- ★ SREC income is taxable



## SREC Status

- **Good News: Solar is incredibly popular!**
- **Not-So-Good News: SREC budget mostly depleted.**
- **Small number of projects receiving funding until new legislation allots more \$.**
- **Projects added to a waitlist will be funded as funding becomes available.**
- **You can still install your project, but SRECs will be delayed.**





# Illinois Law & Incentives

- **25% renewable energy on the IL grid by 2025**
  - **We have about 9% RE now; 1% is solar.**
- Financial incentives (SRECS) presently unavailable
- State law on renewable energy is required to resume incentives program
- Call or write your legislator to support renewable energy programs!





## **SRECs**

Illinois requires utilities to acquire increasing proportions of power from renewable sources

- (“25 by 25”)

SREC market is a mechanism created to help utility companies do this by paying you to go solar.



# *Solar Costs*

## *Part 5 of 5*



# Solar System Price Spectrum



**\$25,000**  
One Array; Home, 5-7kW

**\$40,000**  
Ground-mount, 10+kW

**\$15,000**  
One Array, Garage  
4-5kW

**\$30,000**  
Two Arrays,  
One Roof, 7-9kW



# Financing Solar

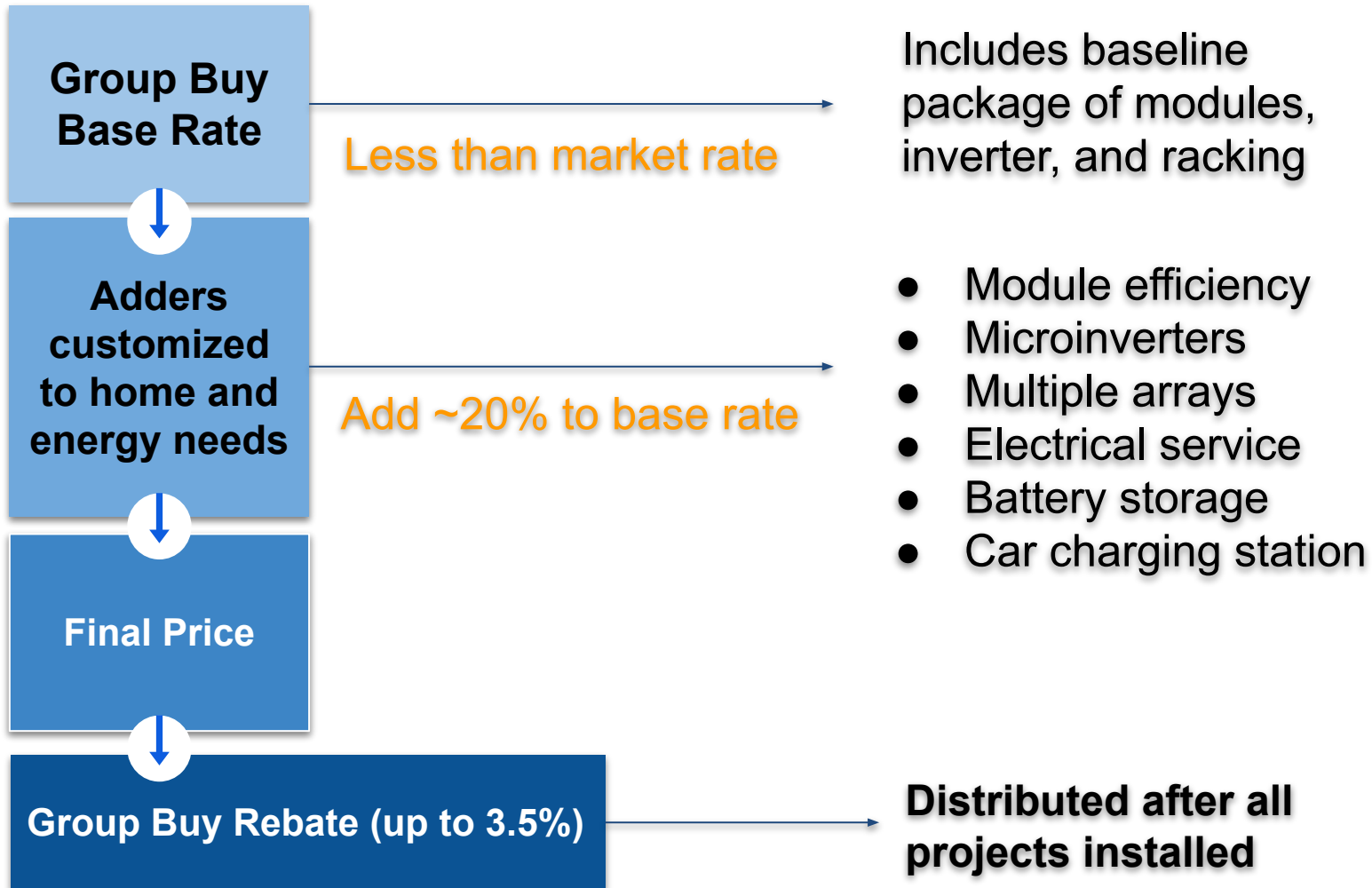
## Clean Energy Credit Union



- 100% clean energy loans -  
1st of its kind launched 2017
- Partnership with Amicus Solar members
- Choose one or both of these loan types:
  - 12-18 month loan for 26% of system cost (covers the 26% Federal Tax Credit)
  - 12, 15 or 20-year fixed rate loan (4.75% to 5.25%) up to the remaining 74% solar electric system cost



# Pricing Structure





# Group Buy

## How It Works

The more people go solar, the lower the price:

Total KW	>50 kW	>150 kW	>300 kW	>500 kW	>750 kW	>1,000 kW	>1,250 kW
# Homes	7-10 homes	21-30 homes	40-60 homes	70-100 homes	110-150 homes	150-200 homes	180-200 homes
Total Rebate	0.5%	1%	1.5%	2%	2.5%	3%	3.5%

**Totals from Grow Solar Metro East and Grow Solar St. Louis  
combine for the benefit of all!**

# Solar System Price Spectrum



**\$20,000**  
Ground Mount Array, 5-6kW

**\$40,000**  
Two Arrays, Two Roofs, 10+kW

**\$10,000**  
One Array <4kW

**\$30,000**  
Two Arrays,  
One Roof, 7-9kW





## 7.7 KW Residential System

EXAMPLE	<u>GSME Price</u>	<u>Market Price</u>
Installed Cost	\$25,718	\$29,833
26% Federal Tax Credit	-\$6,687	-\$7,757
Est Pre-tax SREC Payments* <i>(Waiting list formed for SREC payments)</i>	-\$10,517	-\$10,517
Max group buy savings (3.5%)	-\$900	\$0
<b>Net Cost</b>	<b>\$7,614</b>	<b>\$11,559</b>

Example for 2-story rooftop array with premium panels, microinverters and adders

# Five Easy Steps to Solar

1

## Get Started

Share basic information about your home with a Solar Support Specialist to start the process.

2

## Set Custom Plan

Receive a customized system layout, proposal, and contract from a Project Developer.

3

## Project Guidance

Work with your Project Manager through the engineered design and permitting process

4

## Install & Energize

Set a date for our highly-trained installation crew to build, inspect, and energize your system.

5

## Enjoy!

Enjoy your new solar array!



**StraightUp**  
SOLAR

# Five Easy Steps to Solar



**StraightUp**  
SOLAR



# Solar Financing Options

## Clean Energy Credit Union

- 100% clean energy loans--1st of its kind launched 2017
- Wholly-owned by Amicus Solar members
- Choose one or both of these loan types:
  - 12-18 month loan for 30% of system cost (covers the 30% Federal Tax Credit)
  - 12-year fixed rate loan up to the remaining 70% solar electric system cost



## The BANK of Edwardsville

- Special solar application for Credit Express - Home Equity Line of Credit loan
- Contact Brad Porter, Glen Carbon Banking Manager at [bporter@4thebank.com](mailto:bporter@4thebank.com) or 618-659-4234





## Our Contact Information

→ **Sign Up for a 15-Min  
Solar Assessment of  
Your Home**

(link is in the Chat)

→ **Reach Out:**

**Jake Hagedorn**

[jake.hagedorn@straightupsolar.com](mailto:jake.hagedorn@straightupsolar.com)

636-299-1192

→ **Get More Information:**

[StraightUpSolar.com](http://StraightUpSolar.com)

844-97-SOLAR



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[brent.ritzel@straightupsolar.com](mailto:brent.ritzel@straightupsolar.com)
- **Get More Information:**  
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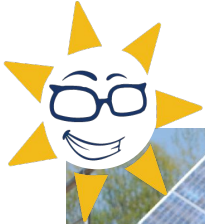




## REFERRAL BONUS

- The first 25 people to refer someone who signs a contract will receive \$500 from StraightUp Solar





# Become a member of MREA!



**Your support as a member makes a long lasting impact.**

**You help sustain and grow our many programs, including:**

- Grow Solar Group Buy Program
- Solar on Schools Initiative
- Solar Professional Training
- Solar Ready Wisconsin Workforce Development Project
- Solar Corps Internship Program
- Rise Up Midwest, and more!

Everyone who goes solar through the program gets a **FREE Basic Family Membership!**



[www.midwestrenew.org/membership](http://www.midwestrenew.org/membership)



**When there's a huge  
solar energy spill, it's just  
called "*A really nice day!*"**



**Thank you for attending!**  
**GrowSolarMetroEast.org**

**Presenters:** Kevin McKee, Virginia Woulfe-Beile, Nate Keener  
**Feedback? Questions?** PeterM@midwestrenew.org