

SOLAR RIVERWEST

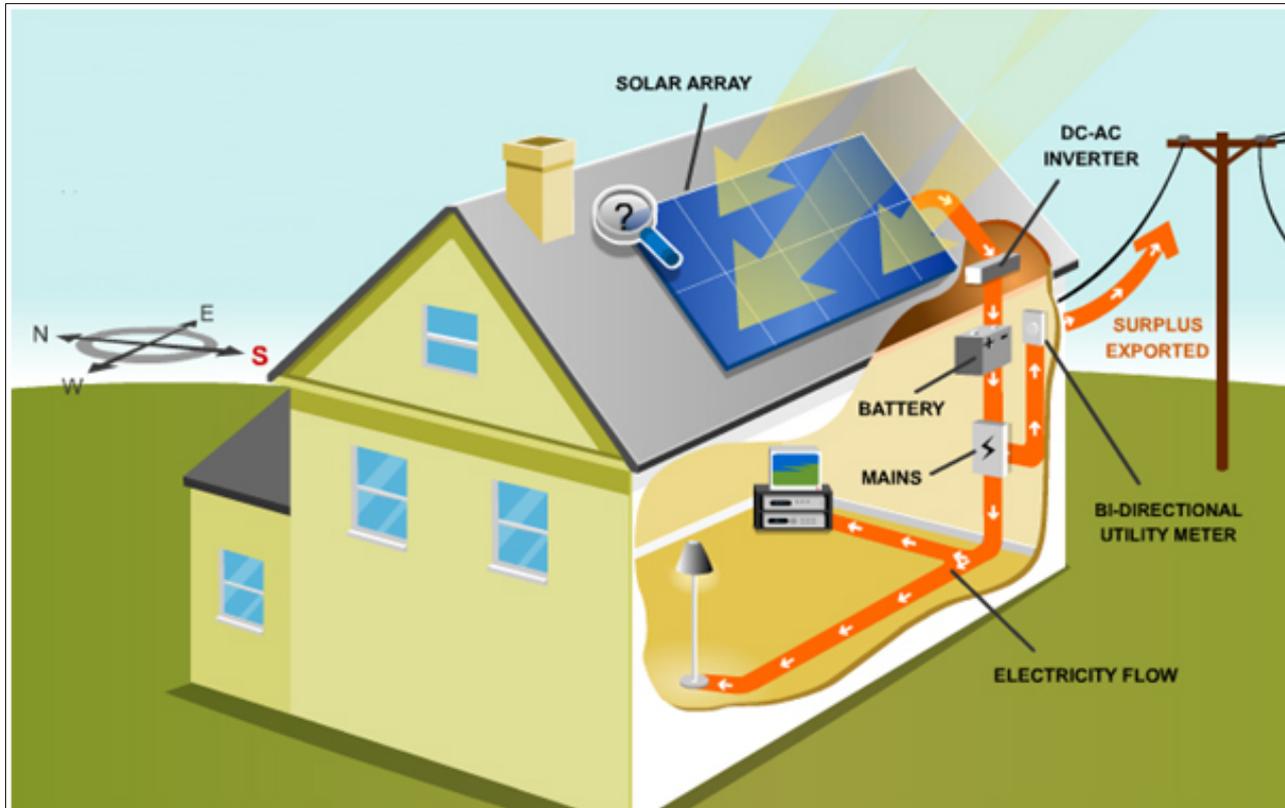
Building Community, One Panel at a Time

SOLAR RIVERWEST

- Overview
- Solar Basics
- Financials
- Program Overview
- Questions

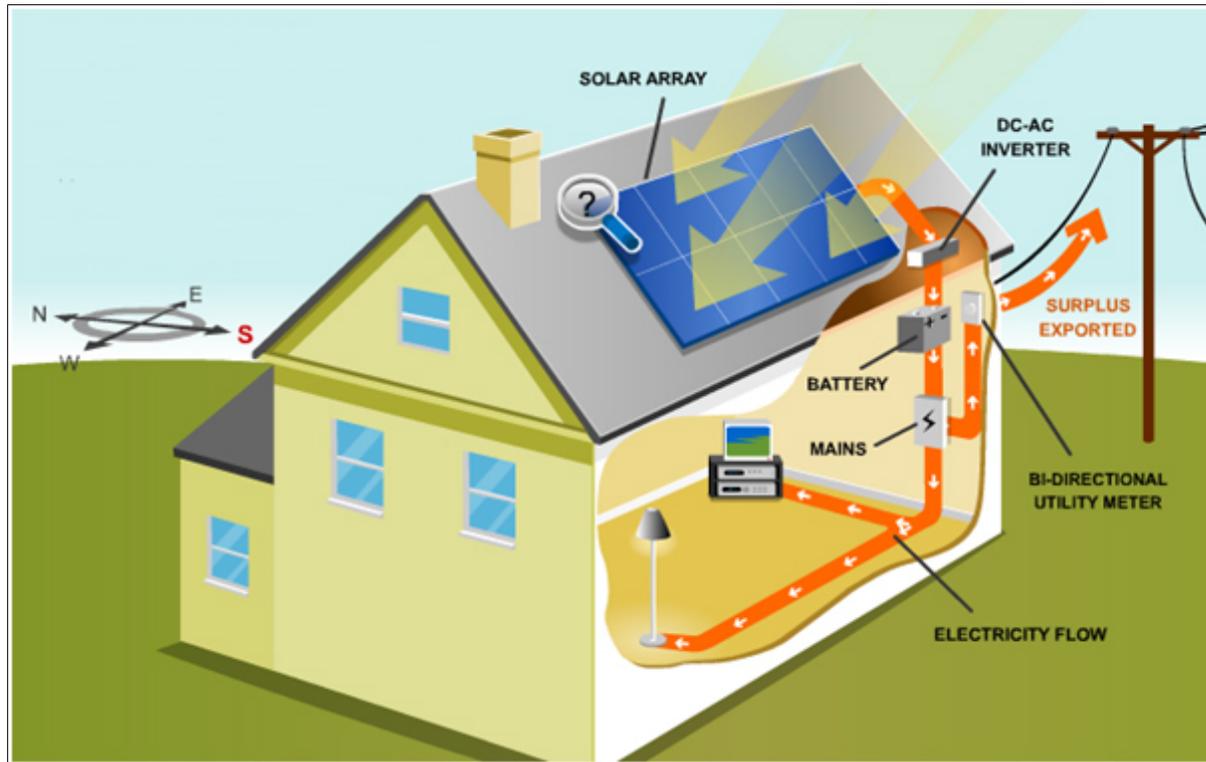


Solar Basics



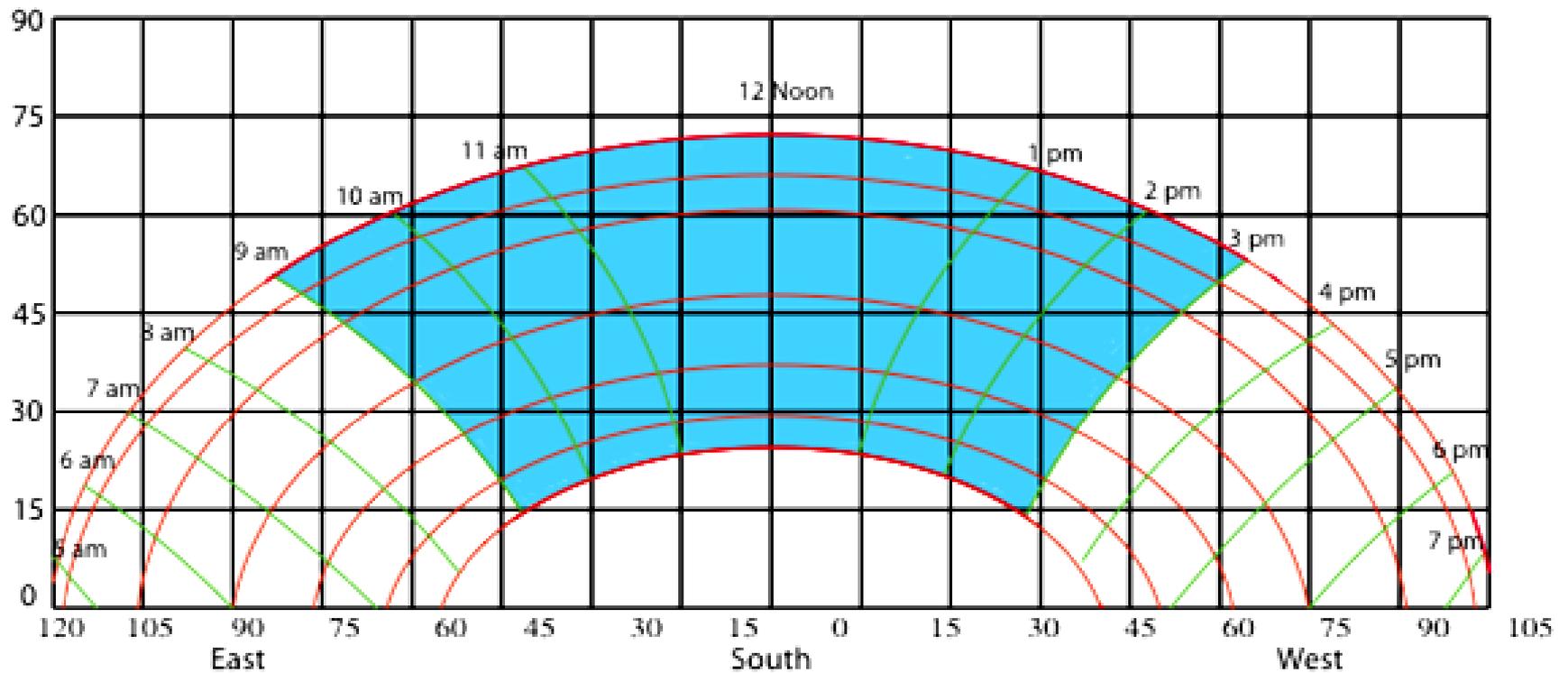
- Generates electricity - DC to AC inverter
- Use what you produce
- Store surplus on 'grid'
- Net metering with We Energies

Solar Basics



- Good southern exposure
- Angle of roof or mounting system
- Shading

Solar Basics



Solar Basics

- **Solar Hot Water**
 - Domestic water
 - Space heating
 - *Not part of Solar Riverwest*



Solar Basics

IS MY HOME WELL SUITED FOR SOLAR?

- Do I have a south facing roof?
 - Home, garage, back yard, awning
- Are there shade issues?
 - Trees (age/type), buildings, power lines
- When do I anticipate re-roofing?
- Is my roof structurally sound?
- Am I going to be in the home for a while?



Solar Financials

PRODUCTION

- Average Milwaukee install = 2 KW
- 2 KW solar system would produce about 6.7 kwh/day of electricity
- Average of 4.5 sun hours per day in MKE
- 2 KW system generates roughly about 2,500 kwh/year
- This could offset about 1/5-1/4 of annual household electricity use.
- Find your total consumption by adding all 12 months of your kilowatt hour (kwh) energy use, which can be found on your energy bill.



4 KW install on Riverwest home

Costs and estimates will vary depending on the building or home, shading, accessibility to roof, condition of structure (or upgrades needed).

Solar Financials

COST

\$8,000 - \$10,000 2 KW system before incentives
(average in MKE \$4-\$5/watt)

-\$1,200 **Focus on Energy Incentive**
((\$600/KW up to \$2,400)

-\$2,000 **Milwaukee Solar Incentive**
(must go through Me²)

-30% **30% Federal Tax Credit**
off remaining amount
(\$1,440 -\$2,040)

\$3,360 - \$4,760 Final Average Cost



4 KW install on Riverwest home

*Costs and estimates vary depending on the building or home,
shading, accessibility to roof, condition of structure (or upgrades).*

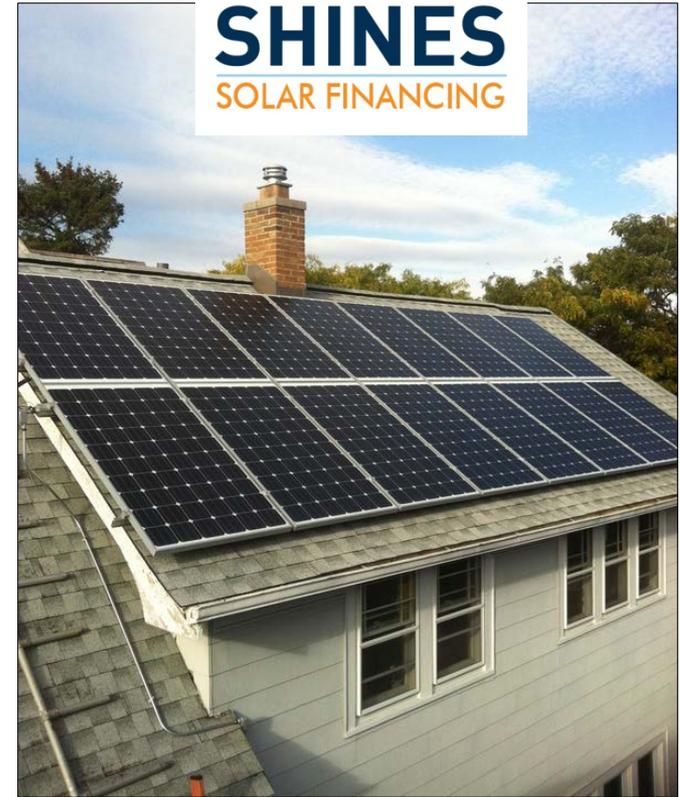
Solar Financials



Milwaukee
SHINES
SOLAR FINANCING

FINANCING

- Summit Credit Union partnership
- Low interest rate loans
- Up to \$20,000 – up to 15 years
- No up front costs, No penalties
- 3.5-5.5 % interest rate
- Not required for Solar Riverwest



4 KW install on Riverwest home



- For Riverwest neighborhood
- Open to anyone in City of MKE
- Open to residents or businesses
 - Incentives may differ
- Based on successes in other cities
 - Solarize Portland
- Priority on local product
 - Helios Solar Works solar panels
 - Ingeteam inverter where feasible



SOLAR RIVERWEST

REDUCED COSTS

- Purchase solar as a community
- Bulk purchase panels & components
- Saves installer time and money
- Saves homeowner time and money
- More residents = lower cost



SOLAR RIVERWEST

INSTALLER SELECTION

- Select one or more installers
 - Competitive RFP process
 - Saves \$ and time for residents
 - Selected by Advisory Team
- Advisory Team
 - Representatives from RCA, City, MREA, industry, community at large (5)
 - Will create installer criteria
- Potential Criteria
 - Cost
 - Location
 - Experience/Certification



SOLAR RIVERWEST

ENROLLMENT

- Education: www.SolarRivewest.org
- Enroll: Enroll by June 1, 2013
- Enrollees receive bid by July 5, 2013
- Customer says “yes/no” by July 12, 2013
- The more customers that move forward with install, the lower cost for everyone

< 50 kW 50-100 KW 100-200 KW >200 KW



SOLAR RIVERWEST

TIMELINE

- March Enrollment begins
- May 23 Installer RFP issued
- June 12 Installer selected
- June 12-July 5 Installer provides bids
- July 12 Residents say *yes* or *no*
- Sept 30 Installations completed



SOLAR RIVERWEST

CONTACTS

www.SolarRiverwest.org

Peter Murphy

Riverwest Cooperative Alliance

events@riverwestpublichouse.org

262-573-3089

Amy Heart

solar@milwaukee.gov

414-286-5593

Elizabeth Hittman

elizabethh@midwestrenew.org

414-431-0758

