

THE BUZZ

for members of CKenergy Electric Cooperative

Youth Program deadlines:

January 10 - Youth Tour

January 31 - Leadership Summit

January 2022

A SUPPLEMENT TO OKLAHOMA LIVING

Energy Camp

Energy Camp will return Summer 2022



Energy Camp is a yearly weeklong summer camp designed to help cooperative youth develop leadership and team building skills and learn about one of rural America's most important accomplishments - rural electrification. Campers experience electricity in a new light. Each year, more than 80 students participate in Energy Camp.

What began as a quest to fill a void in programs offered by Oklahoma's Electric Cooperatives to young people within their service territories culminated in the creation of the YouthPower Energy Camp.

In 1988, Kenny Scruggs, Rural Electric Cooperative's Director of Member Services & Marketing, along with Don Crabbe and Patti Glover of the Oklahoma Association of Electric Cooperatives, ventured to Theford, Nebraska to evaluate a camp created by the Nebraska

Rural Electric Association for juniors in high school. This camp concept was modified and adapted for eighth graders.

Beginning in 1989, electric cooperatives from across the state began conducting various selection methods to qualify students for the camp.

There are three principles that Energy Camp is founded upon:

1. Cooperation
2. Teamwork
3. Development of Leadership Skills

Safety education is also encouraged and taught at the camp.

Since the first camp was conducted in 1989, more than 850 young people have participated. Many have gone on to participate in NRECA's Rural Electric

Youth Tour, a program designed for students who have completed their junior year in high school. Several former Energy Campers have graduated with honors from various Oklahoma colleges and universities.

Oklahoma's electric cooperatives are proud supporters of this camp and are committed to the principles outlined.

How to become a camper:

- Camp is sponsored by local Oklahoma electric cooperatives making it FREE for students to participate!
- Four students or two teams, will be selected from the submitted essays to represent the cooperative at Energy Camp. CKEC covers all expenses related to the camp.

CKEC's Energy Camp contest is open to 8th graders who attend a school in CKEC's service territory.

Contest details are available at www.CKenergy.coop.





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PO Box 100 • Cordell, Okla. 73632

tele: **(405) 656-2322**
(580) 832-3361

www.ckenergy.coop

OFFICE HOURS:
Monday-Friday,
8:00 am - 5:00 pm.

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800-868-8243

888-832-3362

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PAYMENT OPTIONS

- Pay online at **www.ckenergy.coop**
- Pay by phone by calling **405-656-2322**, available 24 hours a day. Visa, Mastercard, Discover, or American Express.
- Pay in person at any of our offices: Binger, Cordell, Mustang, and Anadarko.
- Pay via automatic draft of your checking or savings account. To sign up, please visit **www.ckenergy.coop** or call **405-656-2322** or **580-832-3361**.
- **Pay through our CKenergy App available for iPhones or Androids.**



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JANUARY

Winning CKEC Members

Michael Daft
Don Griffith
Corey Klaassen

If your name is listed above, please call us at **405-656-2322** to claim a \$25 credit on your electric bill.



Socialize with us!

Stay up-to-date with your co-op and your community by following us on Facebook, Twitter, Instagram, and SnapChat. Get the latest news on co-op events, services, energy saving tips, and more. During a power outage, stay connected with us for updates on the restoration process.

Questions or comments about your newsletter should be directed to Lisa Willard, Director of Communications, CKenergy Electric Cooperative, PO Box 100, Cordell, OK 73632, email: editor@ckenergy.coop.

CKenergy Electric Foundation Update



Approved Grants:

Binger-Oney Elem.	\$2,450.00
Caddo/Kiowa Technology	\$3,000.00
Carnegie Police	\$3,308.88
Cogar Fire Dept.	\$4,897.42
Caddo Co. Pregnancy Support Center	\$4,000.00
Twin Cities Fire Dept.	\$4,507.64
Individual Grants	\$5,000.00
Total Grants	\$27,163.94

CKEC Foundation, Inc. Board of Directors

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Small Change, Big Difference!

On Tuesday, November 9, the CKenergy Electric Foundation Board approved a total of \$27,163.94 for grants this quarter. Those funds will be used to improve the livelihood of individuals, fund school programs, help local law enforcement better protect citizens, and so much more!

Giving to those in need is a great way to tap into the Oklahoma spirit and thousands of Oklahoma's electric co-op members do just that by donating funds through Operation Round Up.

As a member of CKenergy Electric Cooperative, you have the opportunity to participate in the Operation Round Up program. The program works by allowing co-op members to round up their monthly electric bills to the nearest dollar amount. The spare change is transferred to CKenergy's Operation Round Up fund and dispersed to local charitable causes.

For example, let's say you have a monthly electric bill of \$84.62. The bill is rounded up to a flat \$85, with the additional 38 cents going into the Operation Round Up Fund. On average, a co-op member donates roughly \$6 each year. Seems like a small amount, right? It is, but when multiplied by thousands of other CKenergy members, Operation Round Up raises thousands of dollars for local causes and organizations.

Operation Round Up funds are used to address important local needs. Local charities, youth groups, schools, fire departments, senior citizens' centers and food banks are just a few of the beneficiaries of Round Up funds. Funds are also used to help needy individuals and families pay for medical equipment and other needs.

CKenergy Electric Cooperative is passionate about the communities we serve. Together, electric co-ops with Operation Round Up programs in place have raised more than \$100 million since 1989.

Grants are decided by a twelve-member board of cooperative members who volunteer their time to oversee the program. CKenergy Electric co-op coordinator is Boyd Lee. Requests for assistance are reviewed and evaluated quarterly throughout the year.

We hope you will continue to participate in CKenergy's Operation Round Up. Your small change will change lives, and together we will make a big difference right here in Oklahoma.

Next quarter grant applications must be submitted no later than February 1, 2022. Any applications received after the due date will be on the agenda for the next scheduled meeting.

Visit www.CKenergy.coop for a foundation application.



- Manufacturers state that this form of solar cell lasts the longest, with most giving them a 25-year warranty.
- These panels exhibit greater heat resistance.
- They perform better in low levels of sunlight and are less effected by cloudy times.

Here are some of the disadvantages of monocrystalline solar panels:

- They are the most expensive solar cells on the market, and so not in everyone's price range.
- The performance levels tend to suffer from an increase in temperature. However, it is a small loss when compared to other forms of solar cell.
- There is a lot of waste material when the silicon is cut during manufacture.

So how much power can you produce in Oklahoma with solar? There's a lot of factors at play when calculating solar output beginning with the efficiency of the solar panels as mentioned earlier, followed closely by the hours of potential



Monocrystalline solar panel

Facts about Solar EVERYONE Should Know Part 2

By Boyd Lee, VP Strategic Planning

This month we will briefly describe the three types of solar panels, the efficiency of conversion of each type panel, types of installations and discuss Oklahoma's solar position. The three types of solar panels are monocrystalline, polycrystalline and thin film. It is very critical that you learn which panel your installer will be using before settling on an installation.

The monocrystalline is the most common as well as the most efficient panel in relation to converting sunlight into electricity. They are also the costliest of the three. These panels are the best on the market while having only 17-24% electricity conversion efficiency. The efficiency rating isn't all that impressive because it basically means you must install 4 watts of panel to get 1 watt of converted electricity (when the sun is shining). But that is the current state of the technology after 50 years of research.

The second panel type is the polycrystalline panel which is about 16% efficient in its conversion capability. The panels are less expensive, but because they are also less efficient, you'll need far more roof or yard space to accommodate enough panels to equal the output of the monocrystalline type. The third panel type is called thin film which we won't really go into here. It is less expensive, but it really isn't a common type of panel in the residential scene now. It is further less efficient and requires a lot of installation space and additional connection equipment.

Here are some of the advantages of monocrystalline solar panels:

- They have the highest level of efficiency at 17-22%.
- They require less space compared to other types due to their efficiency.

solar light each day. The chart included below shows the kwh generated per square meter of solar panels per day for all the United States. As you'll see, Oklahoma is on the far eastern edge of the area that is best for solar generation. It's decent, but it isn't Arizona. The heart of our winter only has about 8 hours per day of solar generation capability while the heart of the summer might give you 14 hours per day. Those days are further reduced by heavy cloud cover, stormy weather, ice, snow, shade from nearby trees, buildings, etc. The location of the panels is of further importance. Where are the panels mounted, in the yard or on the roof? Are they fixed in position, or do they mechanically follow the sun? Does your location aim directly south or is your roof at an angle? Which angle are they, east, southeast, southwest, west? What is the degree of pitch to your roof? If your solar expert can't answer all these questions adequately or says they don't matter, then you're talking to the wrong expert. Period.

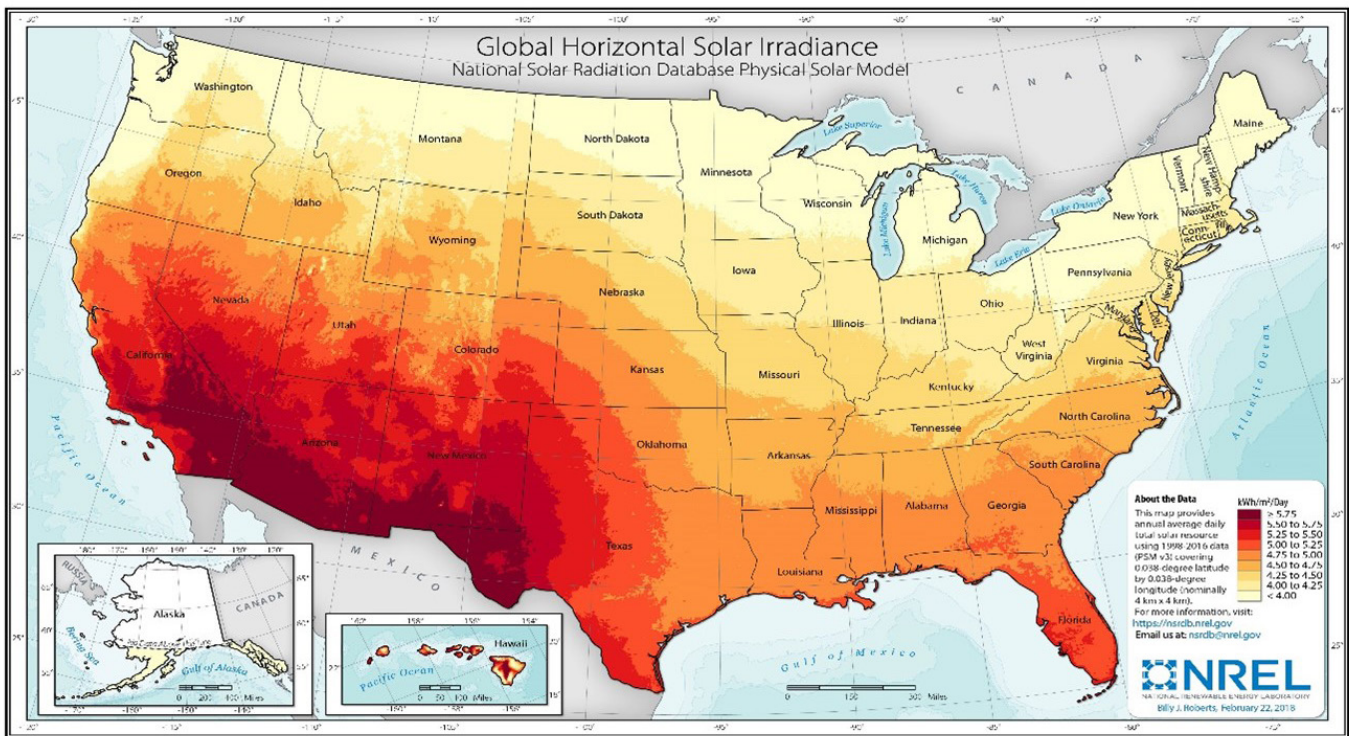
In the next part of the series, we're going to look at "real" solar production



Polycrystalline solar panel

numbers using the governments own calculator. Other questions need to be asked and answered, for instance, "what problems are being fixed by installing solar? Does your air conditioner magically get younger and more energy efficient? Does your ceiling insulation double in depth? Do your windows

turn into triple pane low-e glass? What happens to your roof over time? Do you have to dismantle all the solar system in order to replace your roof? Who does that? Who pays for it? Are all those costs factored into what the salesman says your solar system will do for you? Just asking.





Perhaps your home is energy efficient but you're cold-natured and want a specific room to be cozier than the rest. In this case, a space heater may work for your needs. A good comparison is ceiling fans; we use ceiling fans in the summer to cool people, not rooms. A space heater can be used in a similar way during winter months. Only use a space heater in small spaces that you're occupying and, if possible, try to shut off other rooms to contain the warmth provided by the space heater. If you decide to use a space heater to heat a small area in your home, make sure the heater is properly sized for the space; most heaters include a general sizing table.

A word about safety: the U.S. Consumer Product Safety Commission estimates more than 25,000 residential fires are associated with the use of space heaters every year, resulting in more than 300 deaths. If you must use a space heater, purchase a newer model that includes the most current safety features and make sure it carries the Underwriter's Laboratory (UL) label. Choose a thermostatically controlled heater to avoid energy waste and overheating, and place the heater on a level surface

Are Portable Space Heaters Efficient for My Home?

Small space heaters are meant to do exactly as their name says: heat a small space. But unfortunately, many people use portable space heaters to heat their entire home, which can really take a toll on your energy bills. The truth is, whether you should use space heaters really depends on your home's efficiency and needs.

If you're using a space heater to compensate for problems in your home, like inadequate insulation, drafty windows and exterior doors, or an inefficient heating system, space heaters are not a practical solution. Your best bet is to improve the overall efficiency of your home. If you're on a tight budget, caulking and weather stripping around windows and exterior doors is a low-cost, easy way to save energy. Depending on the size of your home, adding insulation can be

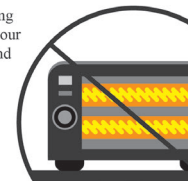
a great next step. Loose fill insulation typically costs \$1 to \$1.50 per square foot. Taking these proactive energy-saving measures rather than relying on space



TIPS TO DITCH THE SPACE HEATER

Space heaters are energy hogs, and older models can be extremely dangerous. This winter, ditch the space heater and try these alternative solutions to stay cozy.

- Use an electric blanket to keep warm during the night.
- Caulk and weatherstrip around all windows and doors to prevent heat loss.
- Consider adding insulation to your attic and around duct work.



away from foot traffic when in use. Always keep children and pets away from space heaters.

Consider alternative ways to stay warm like extra layers of clothing or UL-approved electric blankets. If you have hardwood or tile floors, lay down area rugs to provide additional insulation (and appeal!) and maintain warmth.

We know it's cold out there, but remember in addition to safety concerns, space heaters can greatly increase your energy bills if used improperly.

heaters for supplemental warmth can reduce your heating and cooling bills for years to come.

We're here to help you manage your energy use. Contact us at 405-656-2322 to help with your energy needs.

Automotive

1963 Ford F100 V8 4 speed. Needs work. Yukon, OK \$2,000. 580-302-0772.

2002 GMC Sierra 1500 Pickup. Needs new engine. 405-263-7205.

Ford F-1501 fuel pumps, brand new for front and back tanks. Fits 87-95 model years. \$125. 580-530-0593.

Farm/ Equipment

2020 Trip Hopper. 3,000 capacity. Model #T-856. Like new. \$5500. 580-445-6152 or 937-286-9897.

Champion Blower/Torque. 405-394-2444.

820 John Deere, will run. 80 JD - needs work. \$2500 for both 580-331-7304

16' trailer - 6 ton limit. Heavy duty. Cal haul heavy equipment or vehicle. Pedulum type hitch. \$4500. 405-570-8288.

Livestock/Pets

Better bulls. Add more profit with big,

Swap 'N Shop

For Sale or Trade

Note: CKEC does not endorse or guarantee any of the products or services in these ads.

stout bulls with low birth weights that will sire calves with faster growth and more muscle. Kusel Limousin and Lim-flex. Call John. 580-759-6038.

Red angus bulls, service age, gentle, several A.I. sired. Call or text 580-450-1735.

Four year old red angus bull. Leave message. 580-919-5490.

Business

Paving Maintenance, 405-245-6759. Cooks Septic Service. Septic tank pumping and insections. 580-550-0545.

C and K Trucking. 20 years exp. Hauling heavy equipment, dozers, excavators, loaders and tractors. 405-395-7758. Liner replacement for semi end dump trailers. 405-638-1158.

Award winning decks, pergolas, outdoor kitchens, firepits, outdoor fireplaces,

cedar fence. Design. 405-834-3411.

Shook's Triple S Construction. Metal carports, awnings, and more. Built on site to meet your needs. Free estimates. 405-413-7590.

Custom apparel printing and embroidery for your personal or business needs. No orders too small. We can print one or more. Special rates for fundraisers and not for profit groups. www.countrychickdesign.com

Mobile welding. Welding and fabrication. Call Tony at 405-834-1128.

Loud Mountain Trading Co. Cement, OK. Over 90 local artisans and craftsmen. Premium ice cream. Monday-Saturday 10-6 p.m. LoudMountainTradingCo.com

www.CowgirlBeef.com. Quality beef you can afford. Ranch-raised calves finished for 120+ days and processed in OK. Buy 1 cut or the whole beef. 619-884-0970. cf2cattle@gmail.com

Miscellaneous

C and K trucking heavy haul tractors, dozers, backhoes, trackhoes, loaders. 20 yrs. experience. 405-395-7758.

Swap 'N Shop Ads are continued on page 8

You may submit classified ads, businesses, or services to Swap 'N Shop, P.O. Box 100, Cordell, OK 73632, ads@ckenergy.coop, or fax to 580-832-5174. One ad per member unless there is additional space available.

Circle category:

Autos Farm/Equip Furn/Appl Hay/Wood Livestock/Pets Misc
Real Estate Wanted-Notices Business

Name: _____

Address: _____

Phone # _____

CKEC Acct # _____

Swap 'N Shop is a classified advertisement service that we provide to our members at no cost.

- Members are able to submit written ads through the mail, fax, drop off, or by email.
- Ads are **NOT** taken over the phone.
- Ads need to be received by the 5th of each month to appear in the next month's issue.
- Ad space is limited to a 25 word maximum. **ONE** ad per member.
- Contact the editor at 580-832-3361 for information about availability of ad space.
- CKEC reserves the right to reject any ad deemed inappropriate.
- Ads will automatically run for 2 months, additional run time must be requested **before** the 5th of the month.

Jeans and pants hemming and minor alterations. Tuxes, accessory sales and rentals. Settle Studio. 405-247-5142.

Silver parade, saddle, bridle, and chest strap. Black-cement. 817-229-5663.

Heavy duty fire pits. 24-48". Free standing. 580-819-0695.

Heavy Haul: tractor, dozers, backhoes, loaders, trackhoes. 20 years experience. 405-395-7758.

55/55 chevy used parts bumper. Brake drums, chrome pieces, seats, misc. 405-828-9011.

2008 36' HH 5th wheel, four slides. Two western jackets 46 R, three western hats 7 1/8. 405-919-0980.

Recreational Trailer, 19 ft, 2004. Travel Cruiser. Good Condition. \$5,000. Call or text 580-773-8513.

Old gumball machine \$80. Student desk \$65. Old fan \$80. Old tricycle \$90. 48" round oak table and six chars \$600, matching hutch \$150. 405-256-0270.

Knitting machines and all accessories. Approximately 10 of them. \$1500 for all or best offer. 405-659-1171.

49 JFK Jr. "Geroge magazines" plus "Last will and testament of Jacqueline Kennedy. 405-797-2915.

Fire pits built out of propane tank ends. Built to last. 580-819-0695.

Heavy built fire pits. Can be built with or without removable grill. Made out of propane tank ends. Prices range from \$200 to \$450. 580-819-0695.

6' BushHog, like new. Lumber: 3x12x16xLVls. Kenmmore sewing mahcine. 1993 Lincoln Cont. Mark VII. 580-695-4589

Four 18 inch Mag wheels and Good Year Eagle tires. \$500 OBO. 405-439-7571.

Milbank generator 6750 starting watts. 5500 running watts .120/240 gasoline. \$500 firm, New. 405-609-0299.

\$100 Agreed Divorces. JNK Paralegal Service. www.jnkparalegal.com

JNKparalegal@aol.com 405-376-2206.

Goober House. Fresh peanuts of many varieties, pecans, and peanut brittle. Makes great Christmas gifts. 580-515-5821. www.Gooberhouse.com

4-Mag whells and tiress off 2019 camaro. Like new. 18 in. Double Eagle Goodyear tires. \$475. 405-439-7571.

Real Estate

1700 Lakeview 3 bed, 2 bath. central heat air, wood stove. 580-747-3672.

Hunting, fishing and vacation cabin rental at Ft. Cobb lake. 580-243-8697.

5 acres tract of land. Tiber, wildlife. Minco school. 405-574-2980.

Swan Lake. 4 bd. 2 bath, central H/A, wood stove, carport, garage. \$60,000 or best offer. 580-747-3672.

Wanted-Notices

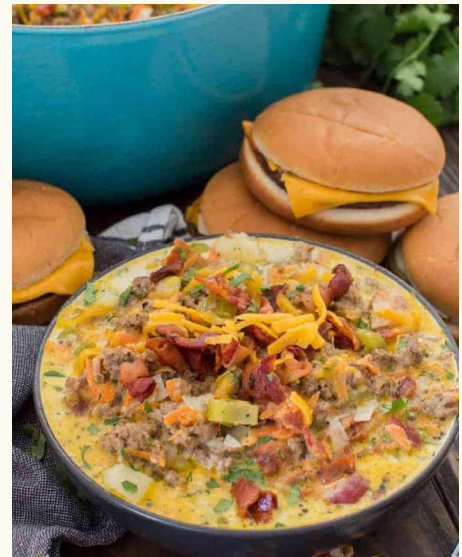
Old toys wanted 1950-1989. Hot wheels, GI Joe, star wars, super heroes, model car kits, and trading cards. 405-361-2227.

Gas portable stick welder/generator unit around 185 to 225ac. 405-247-8843.

Bacon Cheeseburger Soup

Ingredients:

12 slices bacon chopped
1 pound ground beef
4 Tbs. butter
1 medium onion chopped
1 cup carrots shredded
1 cup celery diced
1 ¾ pounds potatoes cubed and peeled, about 4 cups
3-4 cups chicken broth
½ tsp. red pepper flakes
1 tsp. dried parsley flakes
1 tsp. dried basil
1 tsp. dried oregano
¾ tsp. salt
½ tsp. pepper
1 cup whole milk or heavy cream
½ cup sour cream
16 ounces cheddar cheese



Directions:

1. Fry bacon until crisp. Remove bacon, leaving ¼ of the drippings.
2. Add the beef to the pot. Cook until browned. Drain and set aside.
3. Reduce heat to medium low, add the butter and once melted, add diced onion. Cook until tender.
4. Add the rest of the veggies. Cook until tender.
5. Add 3 cups chicken broth and the dried herbs. Season with salt and pepper.
6. Stir and add back the beef. If the soup is too thick, add one more cup of broth. Bring to a boil. Reduce heat and simmer, covered, until potatoes are tender.
7. Reduce heat to low. Stir in sour cream and heavy cream. Turn off the heat and stir in cheese until it melts. Stir in ¾ of the bacon. Garnish with bacon and parsley.