

# HOT WATTS

COOKSON HILLS  
EST. 1945  
ELECTRIC CO-OP

## The Three-Tier Cooperative System

CHEC is a distribution cooperative and is part of an extended system organized into three levels, or “tiers,” each with its own set of responsibilities.

CHEC is at the top tier of this system. CHEC provides electric service directly to 17,789 meters, including businesses, farms and households.

At the second tier of the system is KAMO Electric Cooperative, Inc. (KAMO Power), in Vinita, Oklahoma. KAMO is a Generation and Transmission (G&T) cooperative serving 17 member distribution cooperatives in northeast Oklahoma and southwest Missouri.

At the third tier of the system is Associated Electric Cooperative, Inc. (AECI), in Springfield, Missouri. AECI is the source of wholesale electric power. AECI provides the capacity and energy needs for KAMO and five other G&T’s in northeast Oklahoma, Missouri, and southwest Iowa, serving 51 distribution cooperatives.

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**Headquarters Office**

PO Box 539 • 1002 E. Main  
Stigler, OK 74462  
800-328-2368

**Branch Office**

PO Box 587 • 1800 KOA/Power Drive  
Sallisaw, OK 74955  
918-775-2211

Pay-by-Phone: 1-888-678-1937

www.cooksonhills.com

Alternate Emergency Only: 918-552-0016



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Cookson Hills Electric Cooperative, Inc. welcomes members to submit photos, and articles which will be subject to editing. Cookson Hills reserves the right to publish or modify any article. Companies and individuals featured in the Hot Watts newsletter do not necessarily reflect the official policy, position, or view of Cookson Hills.

Felicia Wixom, *Editor*

E-Mail: fwilliams@cooksonhills.com

*Cookson Hills Electric Cooperative, Inc. is an equal opportunity provider and employer.*



If you find your account number hidden in this issue of the *Hot Watts*, you'll receive a \$25 credit on your electric bill.



**Reminder: CHEC's 70<sup>TH</sup> Annual Meeting is scheduled for Saturday, October 6, at the Sallisaw High School Gymnasium. Registration will open at 10:00 a.m. with the business meeting starting at 11:00 a.m. Come join us for a morning full of entertainment and prizes. We hope to see you there!**

## Lighting Labels and Lingo

These days, consumers have endless options when it comes to purchasing light bulbs, but the labels can be confusing! Use the information below as a helpful guide for browsing bulbs.

### Lighting Facts

Per Bulb

**Brightness** 655 lumens

**Estimated Yearly Energy Cost** \$1.08

Based on 3 hrs/day  
11c/kWh Cost depends on rates and use



**Life** 22.8 years

Based on 3 hrs/day

**Light Appearance**



**Energy Used** 9 watts

### Read the Label

Under the Energy Labeling Rule, all light bulb manufacturers are required to give consumers key, easy-to-understand information on bulb efficiency. Take advantage of the Lighting Facts label, which gives you the information you need to buy the most energy-efficient bulb to meet your lighting needs. The label includes information on the bulb's **brightness, energy cost, life, light appearance** and **energy used** (wattage).

### Save Energy

Bulbs are available in **many shapes and sizes** to fit your home's needs. Choosing more efficient bulbs can help reduce energy consumption and save you money!

- LEDs use 25%-30% of the energy and last eight to 25 times longer than halogen incandescent bulbs.
- Purchase ENERGY STAR-rated bulbs to maximize energy efficiency.

Source: U.S. Department of Energy



## Buy Lumens, not Watts

Lumens measure the amount of light produced by the bulb. Watts measure energy consumption.

*Tip: To replace a 100-watt incandescent bulb, look for a bulb that produces about 1,600 lumens.*



Incandescent  
100 watt  
1,600 lumens



LED  
14 - 20 watt  
1,600 lumens

# Operation Round Up

Each month, members of CHEC join together to help meet the charitable needs for their neighbors by participating in the Operation Round Up program. Operation Round Up is a community outreach program that is funded by CHEC members who round up their electric bills each month. The small change that results from “rounding up” monthly electric bills has made a big impact in the cooperative’s seven-county service area.



**Energy Efficiency**

## Tip of the Month

Cooler temps are just around the corner! Is your home’s heating system ready? Remember to replace furnace filters once a month or as recommended.

If you heat your home with warm-air registers, baseboard heaters or radiators, remember to clean them regularly to increase efficiency.

Source: energy.gov

The CHEC Foundation Board met on September 4. At the meeting, the board awarded grants to assist Brent Rural Fire District Inc., Southside Volunteer Fire Department, and Sallisaw Fire Department. The board also approved grants for Hillside Pentecostal Church of God’s meals for kids program and The American Red Cross home fire campaign for our local areas.

The CHEC Foundation Board meets every quarter to review applications. Individuals and community organizations throughout CHEC’s service area are eligible to apply for an Operation Round Up grant. The board will meet again on December 4, with applications due by November 2. For

more information about Operation Round Up or to obtain an application, visit CHEC’s website at [www.cooksonhills.com](http://www.cooksonhills.com) or contact Donna Rhodes at 918-775-2211.



# Gross Receipts Tax to Local Schools

For many years, CHEC has paid, in accordance with Oklahoma Statutes, two percent of the gross receipts derived by the sale and distribution of electric energy each month. Ninety-five percent of the gross receipts taxes paid by CHEC to the Oklahoma Tax Commission is then distributed to the schools within CHEC’s service territory, and is distributed based upon CHEC’s miles of powerlines within each school district. For the 2017-2018 fiscal year for Oklahoma, CHEC paid \$582,420.84 on 2,938 miles of line for 24 schools in the seven-county service territory.

Belfonte	\$11,255.37	Moffett	\$468.35
Bokoshe	\$147.75	Muldrow	\$44,308.01
Brushy	\$13,373.42	Porum	\$27,728.18
Canadian	\$20.07	Quinton	\$12,249.69
Central	\$25,434.03	Roland	\$16,224.34
Gans	\$23,654.82	Sallisaw	\$58,375.84
Gore	\$46,906.68	Stigler	\$79,872.67
Keota	\$45,255.23	Vian	\$57,928.81
Kinta	\$33,924.75	Warner	\$12,166.77
Liberty	\$9,072.43	Webbers Falls	\$17,246.71
Marble City	\$12,464.73	Whitefield	\$10,341.86
McCurtain	\$23,777.70	Wilburton	\$222.53

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CHEC's largest operational cost is our wholesale power bill. Our electricity is generated by AECI, and it is transmitted to us on KAMO transmission lines to their substations. We build and maintain the distribution power lines from the substation to your business or home.

**Why we need a diverse power supply**

Your electricity is produced using a mix of fuels and technologies: coal, natural gas, hydropower, and wind generation. AECI uses the lowest-cost resources and power plants whenever they are available to supply members. AECI also looks for opportunities to purchase power from other utilities at a cost that is lower than it can generate.

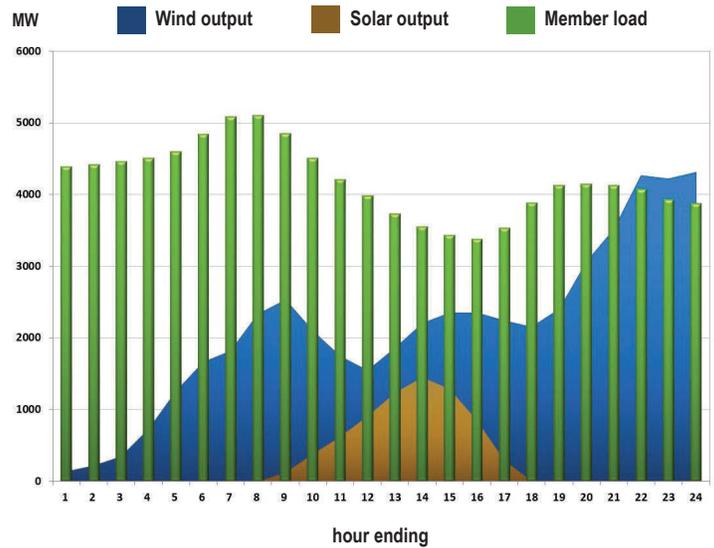
We need a diverse power supply to ensure reliable, affordable electricity. There are some that would have you believe the solution to climate change is as simple as building more wind and solar generation. [104701]

The simple truth is generation output from a solar array or wind turbine does not typically coincide with when we need resources to meet our member peak load - early in the morning on a cold winter's day or late in the day on a hot summer day.

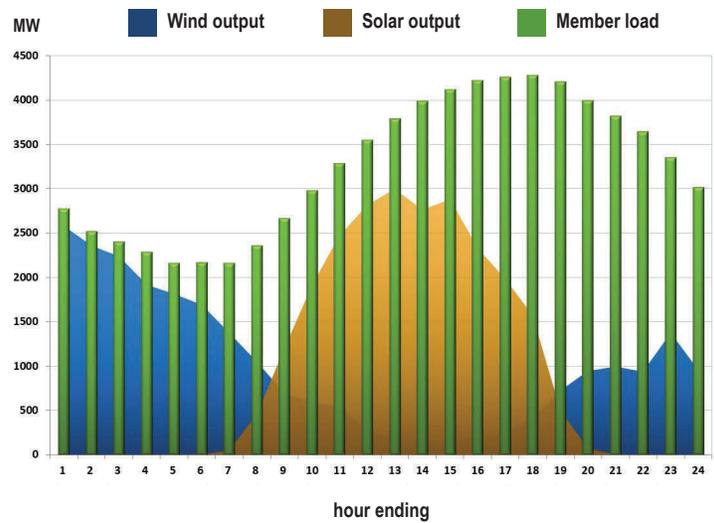
That is why having a diverse power supply that includes baseload resources like coal and gas is so important. The charts show that replacing our existing 5,000 megawatts of coal and gas with 5,000 megawatts of wind or solar wouldn't meet our members' need for power.

CHEC, along with KAMO and AECI, are committed to finding solutions to reliable and affordable electricity. Please continue to read your future Hot Watts for news impacting your cooperative.

**Peak load comparisons – Jan. 17, 2018**



**Peak load comparisons – July 22, 2017**



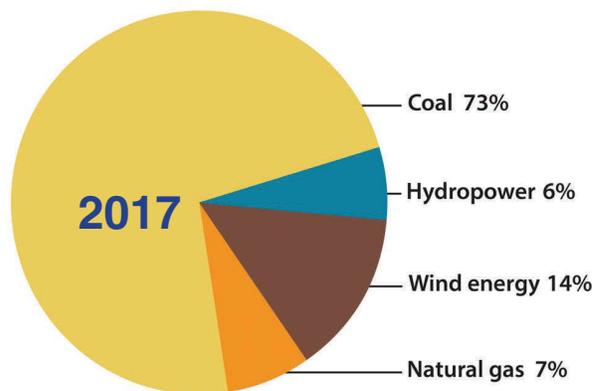
Visit [www.aeci.org](http://www.aeci.org) 1-29-2018



**Associated Electric Cooperative uses a mix of resources**

... to supply clean, affordable, reliable electricity

Associated Electric Cooperative is part of a three-tiered system united by the common purpose of serving electric cooperative members with affordable and reliable electricity. Associated is owned by six generation and transmission cooperatives (G&Ts) that formed it in 1961 to provide them a wholesale power supply. These six G&Ts are owned by 51 distribution cooperatives in Missouri, southeast Iowa and northeast Oklahoma. These local electric cooperatives are owned by more than 910,000 member-consumers.



- Coal**  
2,353 MW 
- Natural gas**  
2,753 MW 
- Wind generation**  
750 MW 
- Hydroelectric**  
478 MW 

**Take Control & Save**  
A Cooperative Effort for Energy Efficiency

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Visit [www.aeci.org](http://www.aeci.org) 3-27-2018