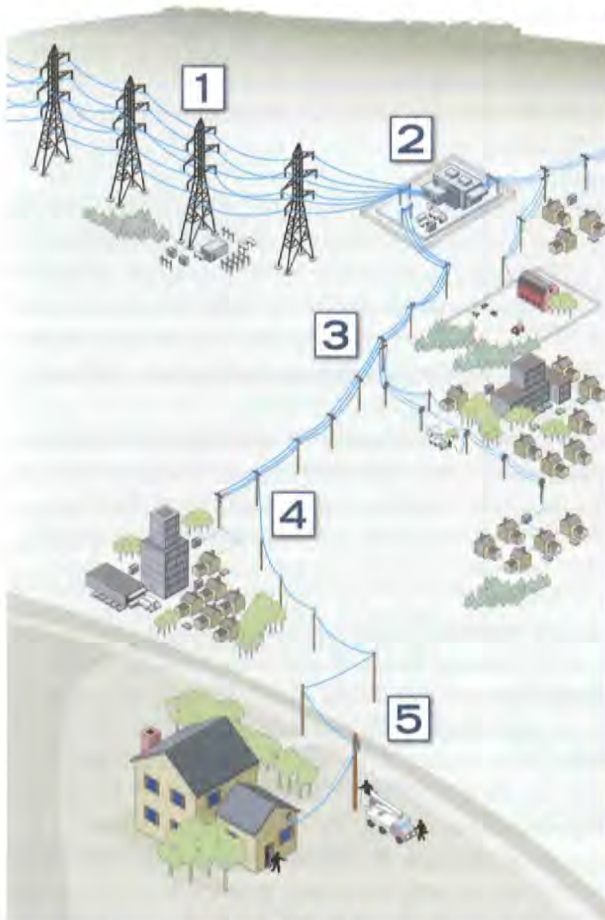


Powering UP

When electricity goes out, most of us expect power will be restored within a few hours. But when a major storm causes widespread damage, longer outages may result. Co-op line crews work long, hard hours to restore service safely to the greatest number of consumers in the shortest time possible.

Here's what's going on if you find yourself in the dark.



- 1 High-Voltage Transmission Lines**
Transmission towers and cables that supply power to transmission substations (and thousands of members) rarely fail. But when damaged, these facilities must be repaired before other parts of the system can operate.
- 2 Distribution Substation**
Each substation serves hundreds or thousands of consumers. When a major outage occurs, line crews inspect substations to determine if problems stem from transmission lines feeding into the substation, the substation itself, or if problems exist down the line.
- 3 Main Distribution Lines**
If the problem cannot be isolated at a distribution substation, distribution lines are checked. These lines carry power to large groups of consumers in communities or housing developments.
- 4 Tap Lines**
If local outages persist, supply lines, called tap lines, are inspected. These lines deliver power to transformers, either mounted on poles or placed on pads for underground service, outside businesses, schools and homes.
- 5 Individual Homes**
If your home remains without power, the service line between a transformer and your residence may need to be repaired. Always call to report an outage to help line crews isolate local issues.

By George

I often have people call or bring up a subject associated with electricity or energy in general. It is not uncommon for them to say something like, "You should write about that (whatever the subject is) in the Electralite." To myself I usually think, "I have already done that, probably more than once." Usually I am wrong and I have not or it has been a very long time.

During this past month I was visiting with one of our members who is very energy conscientious and concerned not only about controlling the size of her electric bill, but also about wisely and efficiently using all forms of energy. She has had a ground-source heat pump (Geo-energy heating system) in her home for a number of years so we had something in common to talk about. She had a problem with one of the small pumps which enables her Geo-energy system to not only heat and cool her home but also produce her domestic hot water needs. In fact this hot water production is "free" in the summer time when the Geo-energy system is cooling the home by removing heat and "dumping" it into the earth. Instead of removing the summer heat from the home, the system first puts as much of the removed heat as possible into the home's hot water tank. In the winter time when the Geo-energy system is taking heat from the earth and warming the home, the system still makes hot water for the home. This costs less than running electric current through a heating element to make hot water.

This member's problem was that while the heating and cooling system was still taking care of the home, it had stopped making hot water. She had called a repair man who had told her that one of the small pumps that circulated the water and heat to the water tank had

How CVEC Restores Service Following a Major Outage

Well, Christmas has passed and we just dodged the bullet on what could have been another significant storm. It seems as though large weather events are far more frequent than they used to be, and their impact is greater because we all are so dependent on our power. At my home, if I lose power, I am without everything including my water.

*by Cordis Slaughter
CVEC Manager of Operations*

Have you ever wondered how we restore power in a large event? Well, it's not easy but there is a method to the madness. If we have some warning of an

Continued on page 3.

Continued on page 2.

CANADIAN VALLEY ELECTRALITE

P.O. Box 751 Seminole, Okla.
Serving Hughes, Lincoln, McIntosh,
Okfuskee, Pottawatomie, Seminole
and portions of Oklahoma,
Cleveland and Creek counties

Main Office and Headquarters

Interstate 40 at the Prague/Seminole Exit

Area Office

35 W. JC Watts Street, Eufaula

Office Hours

8 a.m. to 5 p.m., Monday - Friday

Board of Trustees

President - Yates Adcock, Dustin	District 8
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J. Roger Henson	Attorney

Telephone Numbers

Seminole	(405) 382-3680
Shawnee, Tecumseh, Earlsboro	(405) 273-4680
Eufaula	(918) 689-3232
Toll-free	(877) 382-3680

In Case of Trouble

1. Check for blown fuse or tripped circuit breakers.
2. Check with your neighbors. Ask if their electricity is off and if they have reported it.
3. If not call the office and report the trouble.

	<u>Read</u>	<u>Billing date</u>	
Cycle 1	26th-31st	5th	1-1/2% penalty is
Cycle 2	6th-11th	15th	applied 20 days
Cycle 3	16th-21st	25th	after billing date

Operating Statistics for November

	2011	2012
Operating Revenues	\$4,807,990	\$4,484,699
Wholesale Cost of Power	\$3,471,009	\$3,289,879
Percentage WPC is of Revenue	72.19	73.36
Revenue per Mile of Line	\$929.98	\$864.60
Consumers per Mile of Line	4.58	4.60
KW Peak Demand - This month	126,934	123,304
Billing kW demand	110,748	115,112
KW Peak Demand - YTD	165,676	160,468
KWh Purchased - This month	60,373,730	58,741,750
Taxes Paid	\$92,473	\$90,172
Interest on Long Term Debt	\$190,699	\$175,752
System Load Factor	66.1	66.2

New Services Staked in December

During the month of December 27 new services were staked. The total new services staked in 2012 is 397. This compares to 463 for the same period in 2011.

By George *Continued from page 1.*

stopped working and could not be replaced. That did not ring correct to her and after thanking the repairman, called for a second opinion. I think she had a repairman who just did not want to "mess" with the job. As a result she was not getting the full advantage of her system. I thought it was time to call another repairman.

Canadian Valley Electric Cooperative has long participated in rebate programs to encourage customers to invest in more energy efficient heating and cooling systems and hot water tanks with better insulation. Much of the purpose of these programs was to more efficiently utilize the electric utility system with some benefit of reducing peak demand usage. By selling more in off-peak times, such as water heating and home heating, the electric utility system was more efficiently utilized and the per unit cost of electricity was less to consumers. Today and in the future we believe that customers will be more pro-active in moving as much of their energy consumption as possible to off peak periods to avoid the highest price electricity to reduce the size of their electric bill. This will in total reduce the size and number of future generating plants to everyone's benefit.

Electric water heaters are still a desirable electric load to an electric utility because of the amount of energy they consume on a year round basis - the majority of the time off peak. However at CVEC, we stopped providing rebates on electric hot water a number of years ago. Today, most hot water heaters, if not all, are well insulated. And while these electric hot water heaters do more efficiently utilize the electric utility system, they still add to the total demand of the system. Controls that do not allow the hot water heater to come on at peak usage times will become more common as time of use rates develop to benefit and encourage consumers to use electric energy off peak. Today we are still working to encourage the efficient use of the electric utility system but are focusing on practices and devices, such as ground source heat pumps, that not only efficiently utilize the electric utility system, but also lessen the impact of the device or appliance on peak electrical demand. Controlling the usage of electrical devices helps accomplish this goal. But most of us intend

Continued on page 3.



FINANCIAL STATEMENT

BEGINNING BALANCE 11/30/12...	\$182,263.22
DEPOSITS.....	8,024.87
INTEREST INCOME	67.14
5 CHECKS ISSUED	-5,155.90
APPROVED, NOT YET PAID	-5,351.16
BALANCE 11/30/12.....	\$179,848.17

Restoring Service

Continued from page 1.

impending event, we put our people and several outside contractors on notice. The staff may also review our emergency action plan if there is time. Once we begin experiencing outages, an assessment is made of the scope of the damage. We also try to assess the potential for additional damage as the storm progresses. An ice storm can cycle several times before it subsides and can do an incredible amount of damage. In the midst of the storm, restoration efforts can prove to be futile but we can't help ourselves, we typically try anyway.

Electricity originates miles away at the generator. It travels down high voltage transmission lines to a distribution substation. At the substation, there are typically several distribution feeders that extend out from the substation for several miles. From these distribution feeders we connect to smaller branch circuits and then individual customers. The process of restoring power first and foremost involves the safety of our people and the general public. 907161102 Once we have ensured that it is safe to proceed, and we determine that we have power at the substation, we begin restoring power in the following order: First are the distribution feeders, next are critical loads (hospitals, nursing homes, etc.), then the branch circuits, next are individuals with special needs (medical necessity, etc.), and finally the rest of us. Obviously a lot of individual customers will come on when we restore a main feeder line, but we will not begin repairing individual services until the main lines are back on. With every task, we are trying to restore as many people as we can. It doesn't make much sense to tie up time and resources to restore power to an individual when there are hundreds who can be restored for the same effort.

I hope we never have to activate our emergency action plan, but the reality is, we were lucky this time. Next time, our luck may not hold.

Statement of Non-Discrimination

Canadian Valley Electric Cooperative, Incorporated is the recipient of Federal financial assistance from the Rural Development Utilities Programs, an agency of the United States Department of Agriculture, and is subject to the provision of Title VI of the Civil Rights Act of 1964, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Age Discrimination Act of 1975, as amended, the Americans with Disabilities Act, and the rules and regulations of the United States Department of Agriculture, which provide that no person in the United States on the basis of race, color, national origin, age, disability or handicap shall be excluded from participation in, admission to, access to, denied the benefits of, or otherwise be subjected to discrimination under any of this organization's programs or activities.

The person responsible for coordinating this organization's non-discrimination compliance efforts is Gail Fipps, Manager of Administration and Finance. Any individual, or specific class of individuals, who feels this organization has subjected them to discrimination may obtain further information about the statutes and regulations listed above from and/or file a written complaint with this organization; or the Secretary, United States Department of Agriculture, Washington, D.C. 20250; or the Administrator, Rural Development Utilities Programs, Washington, D.C. 20250. Complaints must be filed within 180 days after the alleged discrimination. Confidentiality will be maintained to the extent possible.

General Manager George E. Hand

Find Your Hidden Account Number and Win \$25

If you find your account number hidden in this issue of The ElectraLife, you could win \$25.

In order to win, the account number must be your own.

You need to report finding the number to us by the 15th of the month.

And you need to report finding it by phone, mail or in person.

Good luck!

By George *Continued from page 2.*

to run our air-conditioners when the temperature is above 100 degrees and the electric peaks are running wild. Systems that use less peak demand to keep us cool benefit everyone in the form of fewer new electric power plants.

Rebates will be discontinued for air to air heat pump systems as these systems have not proved as effective at controlling peak demand usage as implied by the manufacturer's energy ratings. We will continue to rebate on the ground source (Geoenery) systems. These systems more efficiently use electric energy and reduce peak energy demand. That is a win-win for customers and utilities. There is a problem and that is the initial cost of the ground source systems in our mobile society. Today you need to live in the home at least seven or eight years to get the benefit. Many or most do not. We are looking for a way to encourage the installation of more ground source systems in the real world. There is a lot more to this story. More to come.

Trading Center Classifieds

Each CVEC member family is limited to ONE free classified ad per month. The form below must be used. The length of the ad cannot exceed three lines on the form. Ads run only one time. Area codes are not used unless outside the 405 area.

All INFORMATION BELOW MUST BE COMPLETED

Name _____

Address _____

Account # _____ Phone # _____

Classified must be received by the 5th of the month to appear in the following edition of The Electra-Lite.

Real Estate

3 BDR, 2 BA, 1,700 sq. ft., 16'X60' 1998 Clayton mobile on 15 acres, w/pond, Varnum Schools, \$90,000, 382-0589..

40 Acres, 3 BDR, 2 BA, 2003 Clayton DW with attached 2 car garage, 30'x40' steel insulated shop, 3 ponds, NW of 9 and 102, Bethel Schools. \$194,000. 227-3374.

Six room frame house to be moved, \$12,000 OBO, 567-2815, 831-6113.

Automobiles

1967 Mercury Cougar standard transmission & Bell housing, \$150; 1967 Mercury Cougar radiator, \$50, 273-1845.

1966 El Camino, no motor, restorable, good title, \$1,500, 598-1174, 598-1717.

White 2000 VW, runs great, 33 MPG, \$3,500, 964-3149.

Mini Suzuki pickup, low/h, 4-WD, street legal, \$3,500; Ranger XLT, S/cab, \$1,785; 2006 Chevy HHR, needs work, \$2,000, 598-0932.

2010 Chevy Silverado, 1-ton, 4X4, 6.0 gasoline, excellent condition (EC), \$29,000, 452-3797, 585-8135.

Black 1968 Chevy SS, 396, new build, .188 dones, STD boar, forged crank, Isken-derian 396 HC super cam, \$1,550 firm, 598-2260.

Farm

Ford 3000 3-cylinder gas tractor, \$2,800; 5' John Deere brush hog, \$300; 16' trailer, new floor & lights, new wiring, \$500, 598-2802.

4'X30" steel swather on trailer, \$1,750; 6" joiner/plower, new motor, \$150, 279-2330.

Two-horse trailer, good floor, GC, \$800 OBO, 567-7921.

MF tractor, brush hog, scraper blade, & row tiller, moving & must sell, \$5,500, 918-441-7770.

Napa Mig welder w/bottle, \$75; Craftsman 15.5 riding mower, \$400; 4'X30" steel swisher on trailer, \$1,750, 279-2330.

Corner post, 3-legged, 2.5' pipe, \$50; 10' 6"-wide gate, 3' 10" tall, made of 2.5" pipe, \$20; stretch post, made of 2.5" pipe, \$25 OBO, 382-5045.

Troybilt wood chipper, 10 hp., garage kept, EC, 386-6972.

Twenty-foot hay trailer for rd. bales, \$785, 598-0932.

18' trailer, 5" channel iron, \$1,550, 382-5686.

Pets/Livestock

Registered 1/2 Sima-1/2 Angus bull, black, polled, gentle, born 4-18-2011, Paden, 932-4270.

FREE Japanese Chin, female, small pug face, good

mannered, needs a loving home, 273-0054.

Barbado rams, large horns, \$125, 818-6911.

ASD reg. mini Aussies, black & red, M&F, born 12-9-2012, \$350-\$450, perfect for Valentines Day, 941-4199.

HC Wolf-hybrid puppies, \$1,000; AKC Siberian Husky puppies, \$700, 769-0899.

Big roosters, \$2; ducks, \$4, 598-6711.

Alpacas, breeding or fiber quality, 202-9967.

Two 1/2 Bobcat & 1/2 calico kittens, 8 weeks old, free, 567-7921.

Miscellaneous

Tree stumps ground out, 356-2247.

Will haul away for free any unwanted scrap metal or major appliances within a 10-mile radius of Shawnee, 609-4365.

Dumbbells - 25-lb. - \$15, 30-lb. - \$20, 35-lb. - \$25, 40-lb. - \$30, 45-lb. - \$35 per pair; incline bench, \$45; weight bench, \$30, like new, dumbbell rack, \$40, 275-9171.

Vintage standard computing scale, white, model 9159, 30-lb. scale, \$125, 598-6555.

Bernina Artista sewing & embroidery machine, Bernina quilt frame, 566-9500.

Oak or pecan firewood, vinyl tarps, tack & Western stuff, pictures, quality paint, misc. too numerous to mention, 250-1718.

New and used pistols, shot-guns, rifles, 281-5718.

Round dining table, fossil top, 4 swivel chairs w/casters, used 6 mos., \$100, 598-2339.

Two house windows, double-pane, white, 36.5" wide, 52.5" tall, 580-336-7947.

Fifteen large round hay bales, barn stored, 944-1253.

Porter cable door hinge template kit, \$100; military mess kit w/knife & fork, metal canteen, canvas cover, \$30; Craftsman router, case & bits, \$50, 454-2046.

Buy, sell and repair clocks, 513-2986.

Whirlpool washer & dryer, \$200; icebox, \$100; fire extinguisher, \$20; gas stove, \$100, 275-3419.

Free large, flat, clean cardboard boxes, constant supply, you pick up, 550-5052.

Nineteen collectible Jewel tea dishes, "Autumn Leaf" pattern, \$5 per piece - bowls & cups, or \$90 for all pieces, 382-2520.

Queen-size Hide-A-Bed, \$100; deep freezer, \$100; motorcycle helmet, \$50, 279-3638.

Beautiful teak wood furniture, unique, miniature all-wood motorcycles, 2 sizes, 15" long, 7" tall, 4" wide, 345-1511.

New soft top for 1997-2002 Jeep Wrangler, TJ Spice, \$250; fiberglass motorcycle trailer, road ready, \$900, 258-8854.

Ironman inversion table, like new, \$130, 333-2428.

Four burial plots in Resthaven Cemetery, 997-5433.

Wanted - 2 Red Limosine bulls; for sale - 2 antique barber chairs; 15 steel concrete forms, 631-1505.

Mixed firewood, \$50/pickup load, you haul, 240-2838, 290-8779.

Wood, McCloud area. 964-3168.

Seasoned firewood, mainly pecan, \$55/rick, you pick up, 831-7323.

Very good quality red oak firewood, some from trees

over 100+ yrs. old, split - \$65/rick, round - \$55/rick, delivery available, 382-1444.

Seasoned firewood, \$40, 598-5860.

Wood cutter needed, McCloud area, you keep wood you cut, 964-2684.

Square bales of Bermuda and prairie grass hay, wire-tied in barn, weed-sprayed & fertilized, \$5/each, 830-2201, 598-3783.

Pay Stations

CVEC has teamed up with several area businesses and banks to make paying your electric bill convenient. Bills can be paid at any of the locations below, at any time during the month. Just be sure and have your bill stub with you. Keep in mind, these payments are not received at our office for all at least three business days, so please be mindful of your due date.

Once we receive your payment, we will credit your account.

Chandler - BancFirst

Eufaula - Bank of Oklahoma

Shawnee - Arvest Bank
BancFirst

First United Bank
Vision Bank

Seminole - BancFirst

First United Bank
Security State Bank

Harrah - BancFirst

Holdenville - The Bank, N.A.

Konawa - BancFirst

Tecumseh - BancFirst

First United Bank
Maud - The Bank, N.A.

McCloud - BancFirst

Meeker - BancFirst

Noble - First State Bank

Paden - Citizens State Bank

Prague - BancFirst

Vision Bank

Wetumka - Citizens

Security Bank

Wewoka - First National

Bank

Security State Bank

First United Bank