



HILL COUNTY ELECTRIC NEWS & VIEWS

November 2022



1.877.394.7804  
hillcountyelectric.coop



Craig Gates
General Manager/CEO

NOVEMBER CEO MESSAGE

Celebrating Our Membership

In the September magazine I spoke about how renewables help the grid, but are not an answer as a replacement to hydro/coal/natural gas or nuclear provided base load that is needed to ensure 24/7/365 coverage of your power needs. The base load is necessary for reliable and sustained power and energy that is there when we all need it, not just a percentage of the time when renewables are producing power and energy.

California is a prime example of what happens when you remove the above listed base load power and energy generation methods. California has moved to eliminate those generation methods and are moving to wind and solar power only. California wants to mandate electric vehicles by 2035, yet when the base load is not there for the entire system, they ask that those people who own electric vehicles do not charge them at night and to turn your thermostat up to a minimum of 78 degrees (not a good message from the government to its citizens).

We shared with you the base load; now let us move to demand and what a peak is and how it affects the grid. Technically the peak is the maximum amount of power delivered to your home or in our cooperative's case, the entire distribution plant to all our members. Let us look at your homes.

If you are not at home and have minimal electric devices turned on in your home, it is consuming a small amount of electricity. Your demand on your power needs is very low. However, if you get home and turn on several lights, a TV or multiple TVs, and use your electric oven or microwave to heat up your dinner, the amount of power needed for all of that to happen will be very high.

Here are some examples of power being used in the home:

Air Conditioner	3.5 kW*
Electric Water Heater	4.5 kW
Electric Oven/Stove	1.5 kW to 2.5 kW
Ten 100-Watt Light Bulbs	1kW

*kW = Kilo Watt

If all of this is on at the same time, the demand on power would be 10 kW to 11.5 kW. Now imagine the same thing going on in 2,000 homes at the same time. 10 kW times 2,000 home equals 20 MW or Mega Watt of power on the system or 10,000 watts x 2,000 homes = 20,000,000 watts.

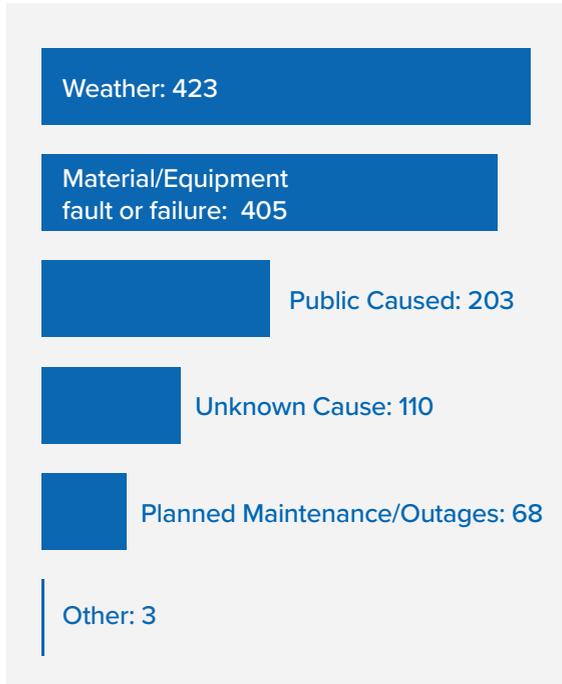
That is the number of watts the cooperative needs to ensure is available to all members when you need it. What will happen if we don't have base load capable of handling this amount of power? Blackouts and brownouts. Blackouts are complete outages and brownouts cause unexpected behaviors in electrical service that can cause outages and problems with your service.

Therefore, our cooperative must be able to provide millions of watts of power (also called demand) for you our members when you want to use it, not just when the wind blows or the sun shines. Your cooperative is billed on a peak or coincidence peak basis. We will get into that in another message. Next month, we will get into sequestration of CO2.

As always, stay safe and stay healthy.

HCE Happenings

Last month, Hill County Electric (HCE) had approximately **1212** account hours affected by outages. Of these hours:



Energy Efficiency Tip of the Month

Is your home heating system ready for the winter chill? One of the easiest ways to keep your system running efficiently is to regularly replace filters. If your central air system has a furnace filter, it should be replaced about every 90 days.

If your home is heated through warm-air registers, baseboard heaters or radiators, remember to clean them regularly to boost efficiency.



**BE READY.
BE SAFE.
BE PREPARED.**

Make a Generac Generator part of your storm preparedness check list.

HILL COUNTY ELECTRIC COOPERATIVE

Call HCE at 1-877-394-7804 for pricing.

FALL SAFETY WORD SEARCH



Fall is finally here! The leaves are changing, the weather is cooler and the holidays are just around the corner. But Fall also brings greater risks of home fires and electrical hazards.

Read the safety tips below, then find and circle the **bolded** words in the puzzle

Adults should always stay in the **kitchen** while food is **cooking** .

Smoke alarms should be tested monthly to ensure they're working properly.
Batteries should be replaced every year or right away if the alarm starts to chirp.

Candles should never be left burning when someone isn't in the room.

Keep flammable items away from the **stove**, **toaster** and other cooking **appliances** .

S	M	R	A	L	A	E	K	O	M	S	E	C	A	W
S	M	C	K	J	P	M	H	G	X	V	O	B	P	S
X	E	K	A	H	O	R	I	E	O	O	M	Z	P	C
R	B	I	X	T	F	O	A	T	K	H	C	U	L	N
P	O	Y	R	Y	U	G	S	I	T	G	X	M	I	K
K	E	G	K	E	L	L	N	L	V	F	H	K	A	C
T	I	W	U	D	T	G	R	I	C	D	S	H	N	H
S	W	T	D	Q	Q	T	M	E	K	Z	E	V	C	O
M	Q	Y	C	E	R	W	A	Z	X	S	L	K	E	Q
P	D	M	L	H	P	Z	X	B	E	W	D	N	S	Q
C	H	T	B	K	E	W	U	R	I	S	N	W	W	H
A	K	R	S	C	G	N	W	U	L	R	A	R	X	A

Swap and Shop

Welcome to our Swap and Shop! Feel free to post and find classifieds from other members!

Check out the current version online at www.hcelectric.com/swap-and-shop. Ads submitted online are usually added within 2 to 3 business days. Due to print deadlines and space available, some ads may appear in the next magazine.

Boat and Motors for Sale

11-foot aluminum boat with 2 outboard motors, a 6hp two-stroke outboard motor and a 2 hp two-stroke outboard motor. Includes fuel tank and oars. Best offer, call 406.669.3333 (no texts, landline only please).

Exhaust System

Unused and complete exhaust system. Stainless steel, fits 1994 Chevy Duramax 2500 Crew Cab long box. Like new and one continuous piece. Please call to make appointment to see and ask questions, 406.390.3522. Offers desired.

Church Organs

One Lowry Organ and one Kawai Organ. In good shape and play well. Must pick up and transport. It's yours free, just need to get them out of the church. Call 406.366.4625.

Gas Dryer and Snow Blower

Gas dryer for \$100 and a large snow blower for \$700. Call 406.395.4581.

Wanting to Buy

Looking to buy a 360 or 390 motor for a Ford pickup. Call 406.301.4035.

2010 Bad Boy Buggie

2010 Bad Boy Buggie XT LSV is a 48-volt Electric 4x4 with a front winch and flip-down rear seat, has a rack on top, a front rack with a camouflage body, and new batteries. Seats 4 people comfortably. Will also include the 4818 Dual Pro Charging System. Asking \$5,875, call 406.622.3277.

Goodyear Wrangler Tires for Sale

Goodyear Wrangler light truck tires, size 265/65R 18 with low mileage, set of four. Call 406.398.5330.

Smoker Craft Jon Boat

12-foot aluminum Smoker Craft Jon Boat with 9/9 Mercury motor. Includes 2 swivel seats, a depth and fish finder, oars, and a trailer with a cover. Asking \$2,400, call 406.622.3945 or see at 3945 Liscum Bottom Rd, Fort Benton.

Concrete Tools

Clipper Power Trowel, 36ft, \$300; Rebar Cutter and Bender, \$195; Milwaukee Roto Hammer heavy duty with bits, \$225. Call, message or text 406.561.6314.

Hamilton Stand-up Piano

Includes bench and sheet music, sounds great. Asking \$250, text questions, messages to 406.561.6314.

Misc Items For Sale

Bullfrog hot tub, needs repair \$200; older piano-refinished with bench; weight bench with weights, \$300; variety size new bolts by the number; 1985 Versatile 5000 series blade 35.5 ft, \$2500. Call 406.378.3212.

Wanting to Buy

Looking to buy 1955 to 1959 Chevy car or pickup to restore or driveable, cash. Call 406.326.2287.

1,500 Gallon Galvanized Metal Water

Ranchhand grill guard and front receiver hitch plus all mounting

hardware that fits 2014 Ram 1/2-ton 4x4. Please call 406.390.3522 for an appointment to inspect or to ask questions. Reasonable offers are desired.

King Kutter Rotary Mower

3-point 6 ft wide King Kutter rotary mower. Like new, asking \$2,000. Call 406.355.4936.

Property for Sale

Located in a historic town where Lewis & Clark camped (Decision Point). Small home/original Great Northern Depot and 1 room schoolhouse all housing antiques, collectibles, and as-is items for sale. All merchandise and display equipment goes with the property. Priced to sell at a reasonable offer. Call 406.739.4361 or 406.781.4245 for more information.

Wanting to Buy

Antique wood cookstove and horse drawn wagon. Call 406.707.0244.

Sleigh Bed, Dresser and Antique Organ

Sleigh bed and matching dresser. Asking \$350 for set. Old antique pump organ, needs work. Asking \$50 for organ. Call 406.674.5520.

Delta AI Cream Separator*

Cream separator for sale, call for pricing 406.780.1572.

Wanting to Buy

Wanting to buy a 360 or 390 Ford engine, call 406.301.4035.

**Indicates photo available on our website version.*

Swap & Shop is a classified advertising section of the Triangle Communications and Hill County Electric websites and newsletters. It is maintained as a service to customers and communities wanting to buy, sell and announce non-commercial items. To have an ad included, simply enter all the pertinent information on the online form. An administrator will review the information within two business days and if approved, the ad will then appear. It will stay online for 60 days unless you notify us to remove or change it. It will also appear in any of the newsletters printed during that 60 day window. Triangle reserves the right to abbreviate ads and if the section is full, we will display ads on a first come, first-served basis. If you're unable to enter your ad online you may mail or e-mail it to us using the contact info inside the front cover of this magazine. Happy swapping and shopping.