Chimney Rock News

Touchstone Energy®
The power of human connections

Choice is Local Control www.crppd.com August, 2023

Manager Memos -by Curtis Kayton

Dear Consumer,
What do you know about fuel supply for electric generating power plants? Furthermore, what fuel can be stored onsite to enable a power plant to run for extended periods of time? First, let's talk about the types of electric power plants:

1) **Thermal power plants** require a fuel source to heat water and create steam to spin a turbine. Fuel sources include Uranium (Nuclear), Coal, Natural Gas, Diesel, and even Oil (Fossil).

2) **Hydroelectric power plants** run water through a turbine.

3) **Renewable power plants** do not require a fuel source but are reliant on the wind and sun.

What are the only fuel sources that can be stored onsite to support extended periods of running time?
Nuclear power plants do not store fuel onsite, but that is because once their fuel rod assemblies are set, they can run for 2 years before taking another refueling outage.
Coal plants store Coal onsite in huge piles and can have enough to run their plants for anywhere from several weeks to several months.
Interesting fact: The Coal that comes from the Powder River Basin in Northeast Wyoming fuels 40% of the nation's Coal plants. Most of that coal is railed through Nebraska on its way to its respective destination.
Natural Gas cannot be stored onsite in the amounts needed so it is delivered through a pipeline network at the time it is needed.
Diesel and Oil can be stored onsite but not in quantities that will allow long term operation.

So, does this mean that only Coal plants are prepared for the long-term? No. It simply means that all the above generation sources have their place while running an electric grid in the most economical and reliable way.

Hopefully, this has helped you understand fuel sources and diversity involved in the generation and delivery of affordable and reliable electric service. However, you may be asking "why does fuel type matter?"

I'll get in to that next month when we talk about load matching with generation.

Energy Efficiency Credits

Energy Efficiency Credits are available on electric motors, electric heating, electric hot water heaters, and LED lights. Must be new installations only. and submitted within 90 days.
Certain standards of efficiency must be met to qualify depending on the type of electric equipment installed.
Some of the credits include:
*Electric water heaters - $50/unit
*Heat pumps-$150-$500/ton
15 SEER Minimum
*Electric motors 10-500 hp $8/hp
*Old refrig and freezer going to be recycled
*Clothes Dryers - $30-$90
*Induction Cooktops 30" or larger, must be replacing gas
*LED lights - lesser of 1/2 cost of lights or $8 per lamp, 500 Lumens or greater
*Electric trimmer, chainsaw, or pruner, electric blower or lawnmower - 25% of cost, up to $150
*Whole House Fans - $100
*Smart Thermostats - $25

Receipts are required.
Chimney Rock also contributes to some of the credit.

Please contact our office for information on requirements and credit amounts at 586-1824.
Let us help pay for your new electric appliances and motors.

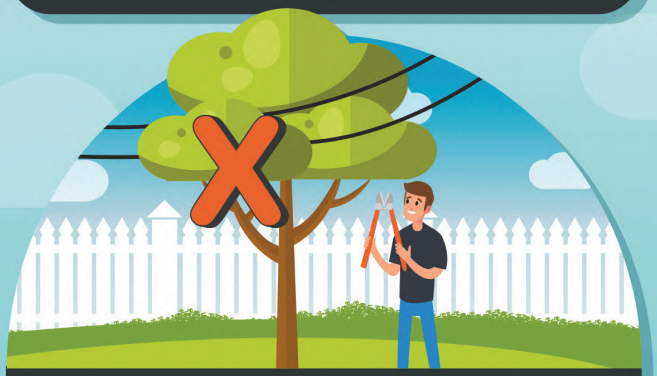
Home Electrical Safety

Always Look Up Always

*Before starting **any** project, **be alert of where the power lines are located**, and know how high they are hanging. Whether you're working on the roof, trimming trees, or painting your siding, it's your job to be aware and to **alert others about nearby power lines**.*

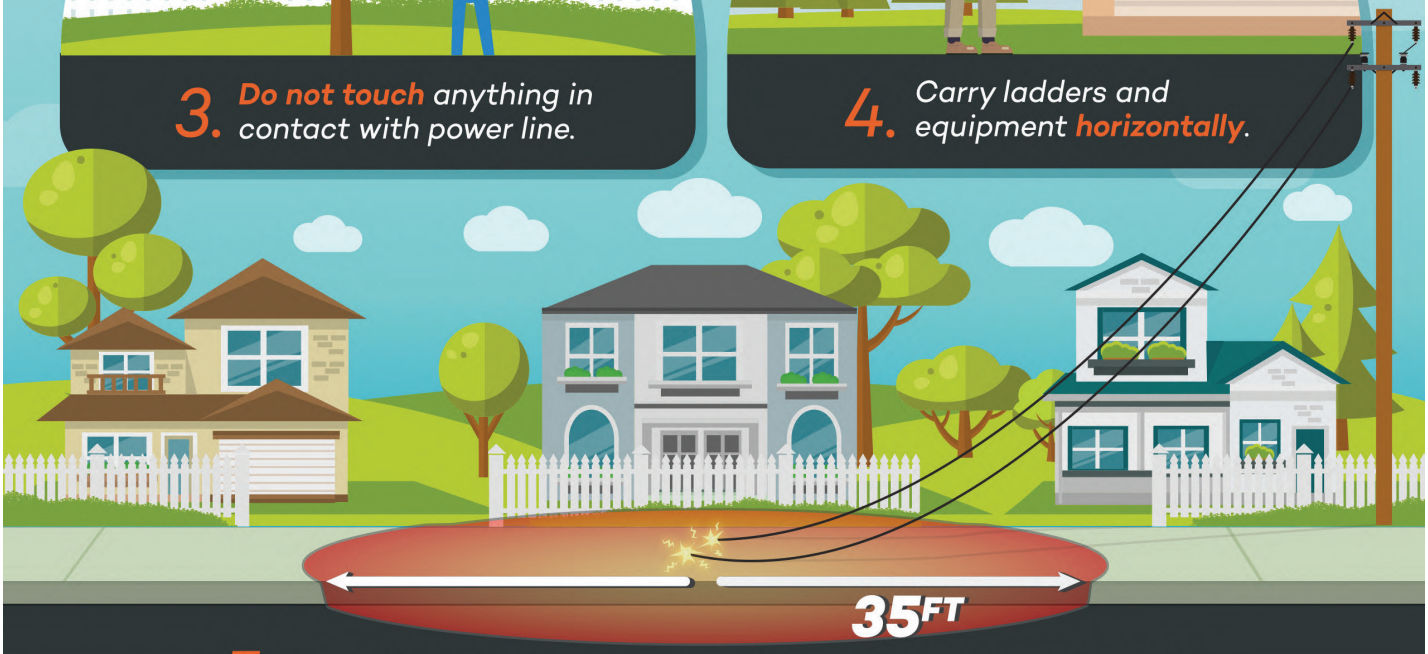
1. *Locate **all** overhead power lines.*

2. Stay at least ***10 feet away*** from all overhead power lines.



3. ***Do not touch*** *anything in contact with power line.*

4. *Carry ladders and equipment **horizontally**.*



5. *Stay at least **35 feet away** from downed power lines and call 911.*

Please share this free resource to save lives

ESFi.org

www.facebook.com/ESFI.org www.twitter.com/ESFIdotorg www.youtube.com/ESFIdotorg

Campus/Dorm Room Electrical Safety

Today's college student uses many electronics for school, work, and play. When used improperly, these helpful gadgets can become electric hazards. If you or a loved one is heading off to college here are some tips to prevent electric accidents and fires.

*Extension cords are only for temporary use. Dorm rooms may not have enough outlets to plug in all your gadgets at once. If you must use extension cords, use them temporarily and unplug them when not in use.

*Consider purchasing power strips with an over-current protector, which will shut off power automatically if there is too much current being drawn.

*Use light bulbs with the correct wattage for lamps; if no indication is on the fixture, do not use a bulb with more than 60 watts.

*Never tack or nail an electrical cord to any surface or run cords across traffic paths, under rugs or furniture.

*Keep all electrical appliances and cords safely away from bedding, curtains, and other flammable material.

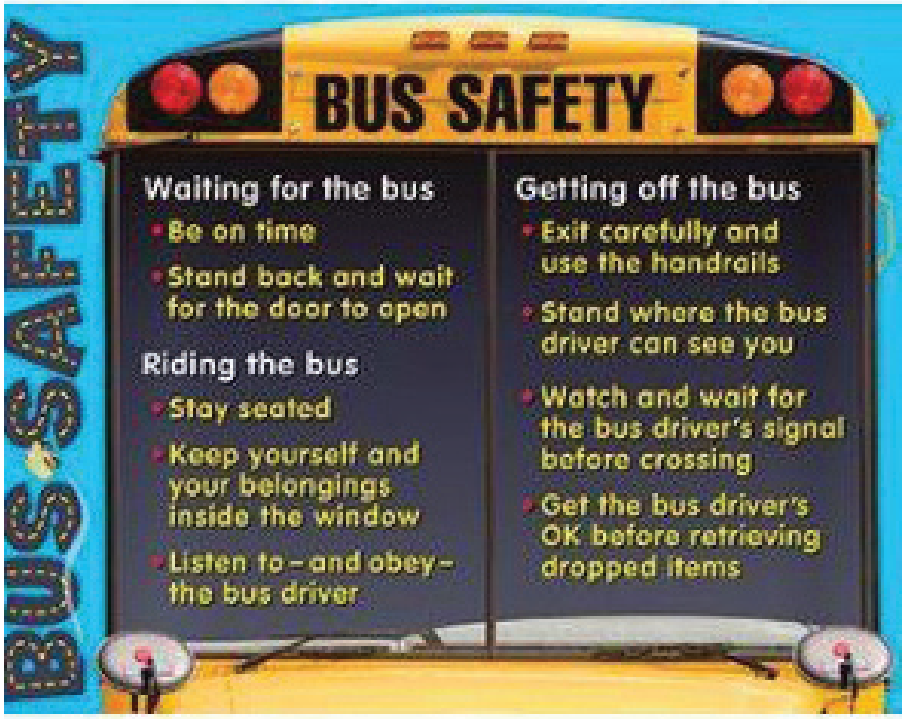
*Discard or repair damaged electronics. It may be tempting to use an electronic with a frayed cord or damaged plug-in to save money. However, damaged electronics should not be used, since they can shock or electrocute students.

*If your lights flicker, electronics shut off, or circuits trip-notify campus staff.

*Use only laboratory certified appliances and electronics.

*Watch out for overheated outlets. If an electrical outlet becomes so hot you cannot leave your hand on it, there is potential for a fire. Unplug everything from the outlet and notify landlord or dorm officials immediately.

College students should also know what to do if there is a fire, including escape and meeting places. There are more than 3,500 fires on college campuses every year. Help prevent fires by understanding electrical safety and sharing what you know with loved ones.



Garlic Chicken

1 large sweet onion, peeled and chopped
2 celery stalks, chopped
1 (4 lb) chicken
1/2 teaspoon salt
1/4 teaspoon pepper
20 garlic cloves, peeled
3 tablespoons vegetable oil
1/4 cup dry white wine or stock
1/3 cup mixed herbs (thyme, rosemary, parsley, tarragon)

Preheat oven at 375 degrees. Put the onions and celery in the bottom of a large Dutch oven and place the chicken on top. Sprinkle with the salt and pepper. Scatter the garlic around the chicken and add the oil and wine or stock. Place half of the fresh herbs inside the chicken and the remaining on top of the garlic. Cover and roast 1 1/2 hours or until the chicken is done. Serve with the garlic and pan juices.

Energy Efficiency
Tip of the Month

Did you know ceiling fans can make a room feel 4 degrees cooler? To save energy through ceiling fan use, remember to raise your thermostat a few degrees while fans are turned on. Ceiling fans can help improve comfort year-round. In the summer, operate ceiling fans in a counterclockwise direction. Reverse the direction to clockwise during winter months and set fans on a low speed so warm air can circulate from the ceiling to the lower levels of the room. Remember, ceiling fans cool people, not spaces. Be sure to turn them off when you leave the room.

Source: Dept. of Energy

Download Our Mobile App

We now offer a mobile app. Down load the app on your Apple or Android phone.
This app allows you to make payments, view usage,statements and payment history.

Use the QR code for the app store, or search for Chimney Rock Public Power in the app store.

If you have an existing log in you can use the same account information, or if you are a new user, create a new account.

Scan for CRPPD

Chimney Rock
Public Power District
128 W 8th St.
P O Box 608
Bayard, NE 69334

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During normal office hours and after hours call:
(308) 586–1824 or
(877) 773–6300

August Board Meeting:
August 14th - 9:00 am

This institution is an equal opportunity provider and employer.