

WATT'S HAPPENING

SCENIC RIVERS ENERGY COOPERATIVE
LANCASTER, DARLINGTON AND GAYS MILLS, WISCONSIN

Protect Your 3-Phase Motors

Single phasing and phase imbalance are common power quality issues for three-phase electric motors. The loss of a single phase on a three-phase electric line may happen for a variety of reasons: a downed power line, a blown pole-top fuse on the utility system, or a blown fuse or equipment failure within your facilities. The loss of one phase of a three-phase line can cause serious problems; although motors may continue to run, they are at risk of

rapid burnout or failure.

While imbalance of a three-phase system is less extreme than a complete loss of a phase, it may have similar consequences. Phase voltage imbalance causes three-phase motors to run at temperatures greater than their published ratings, which soon result in the breakdown of the motor insulation and eventually leads to burnout.

To combat the negative consequences of single phasing and phase imbalance, take the time now to

protect your three-phase motors.

There are a variety of ways to protect your motors including:

- ▼ Use phase protection or voltage imbalance protection devices. The cost of such devices, typically about \$100 per motor, is far less than the cost of replacing the equipment. Your electrician can assist you with this step.
- ▼ If you already have protective devices, make sure they're sized correctly; again, your electrician should be able to advise you.

Lightning Safety Rules

As you know, lightning is a mighty force—and it doesn't pay to take chances around it. Here are some "dos" and "don'ts" for whenever lightning may be present.

DON'T

- ▲ Venture outside, unless absolutely necessary.
- ▲ Use plug-in electrical equipment like hair dryers, electric toothbrushes, or electric razors during the storm.
- ▲ Use the telephone during the storm. Lightning may strike telephone lines outside.
- ▲ Take laundry off the clothesline.
- ▲ Work on fences, telephone or power lines, pipelines, or structural steel fabrication.
- ▲ Use metal objects like fishing rods and golf clubs. Golfers wearing cleated shoes are particularly good lightning rods.
- ▲ Handle flammable materials in open containers.

- ▲ Stay on hilltops, in open spaces, near wire fences, metal clotheslines, exposed sheds, and any electrically conductive elevated objects.

DO

- ▲ Stay indoors.
- ▲ Stay away from open doors and windows, fireplaces, radiators, stoves, metal pipes, sinks, and plug-in electrical appliances.
- ▲ Stop tractor work and dismount, especially when the tractor is pulling metal equipment. Tractors and other implements in metallic contact with the ground are often struck by lightning.
- ▲ Get out of the water and off small boats.
- ▲ Stay in your automobile if you are traveling. Automobiles offer excellent lightning protection.
- ▲ Seek shelter in buildings. If no buildings are available, your best protection is a cave, ditch, canyon, or under head-high

clumps of trees in open forest glades. When there is no shelter, avoid the highest object in the area. If only isolated trees are nearby, your best protection is to crouch in the open, keeping twice as far away from isolated trees as the trees are high.

- ▲ Drop to the ground immediately if you feel the electrical charge—if your hair stands on end or your skin tingles—lightning may be about to strike you!

Don't miss the...

Fair

Grant County Fair

The fair will be held August 24th through the 28th at the fairgrounds in Lancaster.

Currently Cooking



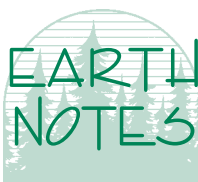
My friend, Bernadette served this at our last card party and we all thought it was fantastic.

Almond Dessert

1 ½ C. flour	1 pkg. sliced almonds
¼ C. brown sugar	1 ½ C. coconut
½ C. butter	

Mix and put on jellyroll pan and brown for 15 minutes at 350°. Cook 2 packages of vanilla pie filling and 3 cups milk. Cool. Whip 2 packages of Lucky Whip (or use Cool Whip) and fold into cool custard. Put part of crumbs on bottom. Add filling and put rest of crumbs on top. Refrigerate for a couple of hours.

A Tribute to Gaylord Nelson



In the late 1960's a series of environmental catastrophes occurred that scared a whole lot of people. A river that flowed through Cleveland, Ohio was so polluted that it caught fire, twice! A major oil spill occurred off the coast of California, smearing thousands of seals and ocean birds with gooey, life-threatening petroleum. Birds like bald eagles, pelicans and ospreys were disappearing, as pesticides caused their eggshells to thin, and the thin shells cracked when the mother bird tried to incubate her eggs. Dense smog covered too many cities, the product of car exhaust and industrial pollution. Rivers reeked from untreated waste flowing out of millions of pipes. Too much human waste poured into waterways uncleaned. Almost no one anywhere recycled anything.

In 1969, Senator Gaylord Nelson from Wisconsin organized a national demonstration on behalf of the environment. He announced there would be a national environmental teach-in in the Spring of 1970. The response was dramatic. Twenty million Americans of all ages gathered in cities and towns across the country to say one word very loudly: Enough. Enough pollution. Enough waste. Enough endangered species. Thus, "Earth Day" was created.

Senator Nelson said: "The future of the environment depends on kids asking hard questions, and following a 'conservation ethic,' understanding that everything on the planet is connected to everything else. We must always ask the question: If we mess with nature, what will be the consequence, and how can we minimize the damage?"

We honor Gaylord Nelson for being a strong supporter of the environment throughout his life and are proud to say he was from Wisconsin.

Vitality NOTE

Always being available via a cell phone or hand-held computer means you're always on alert, which can increase your stress. Instead, set boundaries as to when you'll use these devices. For example: Decide you won't use them during your lunch hour or when you're picking up your children from school. And make sure you stick to the boundaries.

-Barry Schlosser, Ph.D., executive coach, New Haven, CT

The Buddy System

Volunteer as a Big Buddy through Grant County Kinship Big Buddy Program. The program provides children ages 5-17, primarily from single parent homes, with a positive adult role model and "buddy" on a one-to-one basis.

Make a difference in the life of a child—a child that lives in your community. For more information on the Kinship Big Buddy Program or other volunteer opportunities, contact Grant County Dept. of Social Services at 723-2136.

Just For Fun "Ole"isms



(things Ole's learned over the years)

- ◆ I started out with nothing, and I still have most of it.
- ◆ Funny, I don't remember being absent minded.
- ◆ It is easier to get older than it is to get wiser.
- ◆ If God wanted me to touch my toes, he would have put them on my knees.
- ◆ It's not hard to meet expenses...they're everywhere.
- ◆ My wild oats have turned into prunes and All Bran.
- ◆ If all is not lost, where is it?
- ◆ These days, I spend a lot of time thinking about the hereafter...I go somewhere to get something and then wonder what I'm here after.

**-Richland Electric Co-op
WECA News**

WATT'S HAPPENING

Watt's Happening is published monthly as an information service to the member-owners of Scenic Rivers Energy Cooperative.

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