

Lyon Rural Electric Cooperative

A Touchstone Energy® Cooperative 

Phone : 712-472-2506 or 1-800-658-3976 ~ Website : www.lyonrec.coop
Office Hours : Monday thru Friday 7:30 a.m. to 4:00 p.m.



REMINDERS

Lyon Rural Electric Cooperative will be closed Thursday, July 4, 2024 in observance of Independence Day.

If you are moving, please notify your cooperative when you move and inform the new owner to get signed up for service.

Small Changes Keep House Cooler



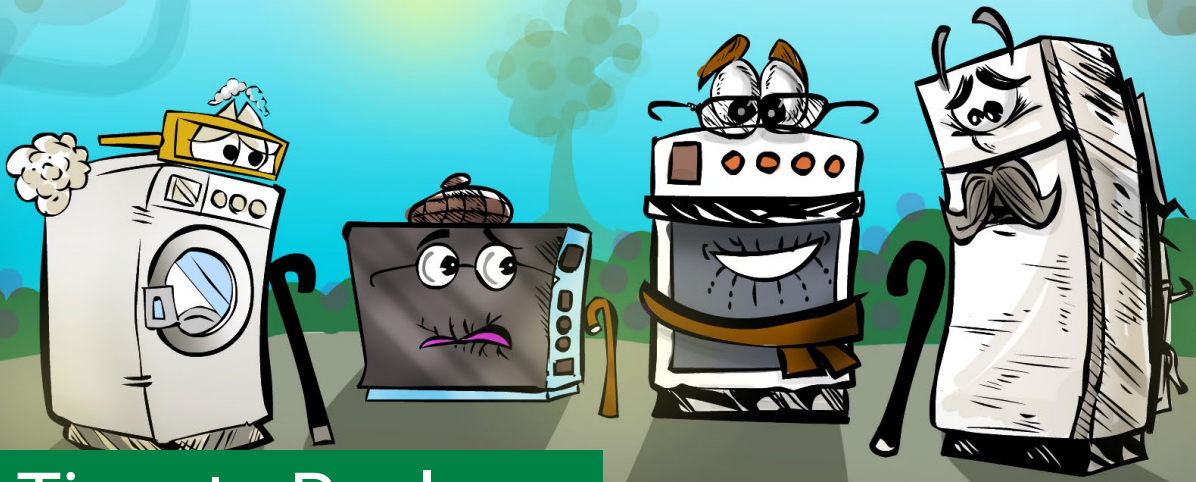
Sometimes, the tiniest changes can save the most energy, especially in the summer. Some examples:

1. Replace your manual thermostat with a programmable, electric model. The latest thermostats not only turn themselves up and down depending on whether the house is empty or full, but they can tell you the weather, show how humid your home is and tell you what time it is.
2. Get your air conditioning system tuned up. A licensed a/c tech can check the system's level of refrigerant and note if any parts need replacing or repairs.
3. Close the blinds when it's sunny outside so warm sunrays won't compete with the air conditioning system as it keeps your home cool.
4. Turn off computers, lights, the TV and battery chargers when you're not using them. They waste energy if you leave them plugged in all the time.
5. Hang your laundry outside. You'll save by not running your clothes dryer as often and your laundry will smell fresh.

Welcome Trevor

Lyon Rural Electric would like to welcome a new employee, Trevor Koll. He is the Assistant Member Services Director. Trevor grew up in Rock Rapids and graduated from Northwest Iowa Community College with a degree in Industrial and Commercial Wiring. In his free time, Trevor and his wife Nicole enjoy racing and being outdoors.





Is It Time to Replace Your Large Appliances?

The average lifespan of a refrigerator, water heater, washer/dryer or dishwasher is 10 to 15 years. How old are your major appliances?

There's no need to replace a perfectly good appliance the moment it turns 15, of course. But at some point, the cost of repairs will start creeping up each time you call a service tech. Then, it's probably

time to start shopping.

Manufacturers make appliances more energy efficient and more convenient with every new model. So if you're not sure if you want to buy something new, take a trip to a big-box or appliance store and check out the latest versions. You might like what you see.

How Old Are Your Home's Windows?

If your home's windows were made with single panes of glass, you know they're old. Some manufacturers don't even make those anymore because they are so inefficient.

Replace your ancient windows with models that have double or even triple panes. They will help lower your a/c costs in the summer and the heating bill in the winter.

Other reasons to replace windows this summer:

1. You see condensation on the inside of the glass of double- or triple-pane windows. That can signal a seal failure, which means hot air could be sneaking inside your home.
2. You can hear everything that's going on outside, even when the windows are closed. New windows with thicker glass help keep the noise out.



ENERGY EFFICIENCY

TIP OF THE MONTH

Did you know ceiling fans can help you save energy? Ceiling fans create a windchill effect on your skin to make you feel a few degrees cooler. Raise the thermostat a few degrees and turn on fans to reduce air conditioning costs.

Set fan blades to rotate counterclockwise during summer months and clockwise during winter months. Remember, ceiling fans cool people but don't actually lower the indoor temperature. Turn them off when you leave the room.

Source: [energy.gov](https://www.energy.gov)



One easy way to save your air conditioning system from working overtime this summer is to wash clothes and dishes after dark. Appliances that produce heat while they're working can counteract the best efforts of your a/c system to keep your indoor air cool.

Among the worst offenders are televisions, dishwashers, clothes dryers, stoves, lighting and refrigerators.

You can't choose when to run your refrigerator, obviously. But you can wait until the sun goes down and the outdoor air cools off to run your dishwasher and clothes dryer. And you can avoid using your stove altogether on the hottest days; instead, serve refreshing cool salads for dinner or grill outdoors.

If you're in the market for new appliances, choose models with the Energy Star label. They're guaranteed to be more energy efficient and put off less wasted heat than your old ones.

Operating Statistics

APRIL

	2023	2024
KWH Purchased	10,011,692	9,699,290
KWH Sold	9,804,317	9,328,291
Percentage of Line Loss (Year to Date)	3.53%	3.56%
Total Demand	18,726 KW	16,542 KW
Average Farm Consumption	2,116 KWH	2,606 KWH
Average Farm Bill	\$240.76	\$310.12
Income Per Mile	\$1,128.31	\$1,101.35
Expenses Per Mile	\$1,066.17	\$1,099.90
Miles Energized	872.86	884.82
Cost of Wholesale (For the Month)	6.77¢	6.43¢

Engage Kids in Volunteer Work

The long summer break from school is a great time to teach your children the value of giving back to the community.

While your grade school and high school-aged kids are home for the summer, engage them in volunteer work that helps others, teaches them compassion and introduces them to new skills.

For younger children, look for opportunities to participate in community clean-ups, visit elderly neighbors in their homes or in assisted living facilities, walk or run in a fundraising race or help out at a library or animal shelter.

High schoolers can do all of that, plus they can enroll in unpaid summer internships at local parks. They can tutor younger children. And if they're 17 or older, they might be able to donate blood.

Talk to your children about the importance of lending their time and talents to the community and check in with them about how great they feel after they have spent time helping someone else.



Happy
Father's
Day



Grain Bin Proper Clearance

According to the Iowa Electric Safety Code found in Iowa Administrative Code Chapter 199 -- 25.2(3) b. An electric utility may refuse to provide electric service to any grain bin built near an existing electric line which does not provide the clearances required by the American National Standards Institute (ANSI) C2-2017 "National Electrical Safety Code," Rule 234F. This paragraph "b" shall apply only to grain bins loaded by portable augers, conveyors or elevators and built after September 9, 1992, or to grain bins loaded by permanently installed augers, conveyors, or elevator systems installed after December 24, 1997. (As adopted by the Iowa Utilities Board)

The cooperative is required by the Iowa Utilities Board to provide this annual notice to farmers, farm lenders, grain bin merchants, and city and county zoning officials. If you have any questions concerning clearance regulations, please call Lyon Rural Electric Cooperative.

Disclaimer: These drawings are provided as part of Iowa electric cooperatives' annual public information campaign and are based on the 2017 Edition of the National Electrical Safety Code. To view the actual drawings, refer to that publication. Every care has been taken for the correctness of the contents for these drawings. However, the Iowa Association of Electric Cooperatives and its member cooperatives accept no liability whatsoever for omissions or errors, technical inaccuracies, typographical mistakes or damages of any kind arising from the use of the contents of these drawings, whether textual or graphical.

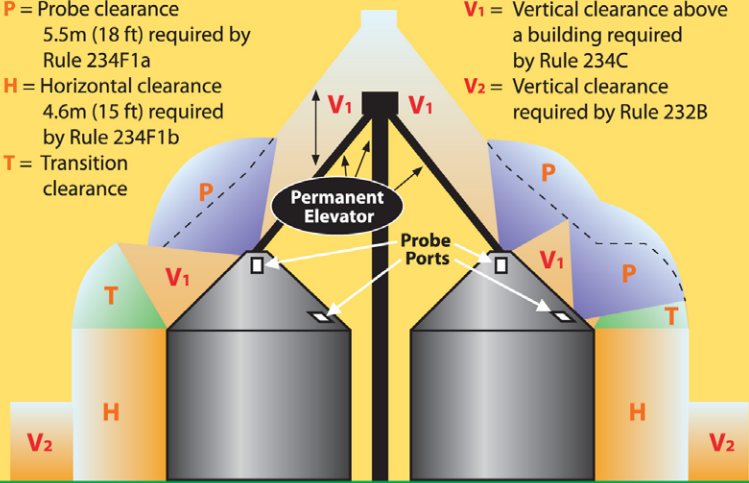
Nondiscrimination Statement

"This institution is an equal opportunity provider and employer."

To file a program discrimination complaint, a complainant should complete a Form, AD-3027, USDA Program Discrimination Complaint Form, which can be obtained online at <https://www.ocio.usda.gov/document/ad-3027>, from any USDA office, by calling (866) 632-9992, or by writing a letter addressed to USDA containing all the information requested in the form. The completed AD-3027 form or letter must be submitted to USDA by mail to U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; by fax (833) 256-1665 or (202) 690-7442; or by Email: program.intake@usda.gov

Clearance envelope for grain bins filled by permanently installed augers, conveyors or elevators

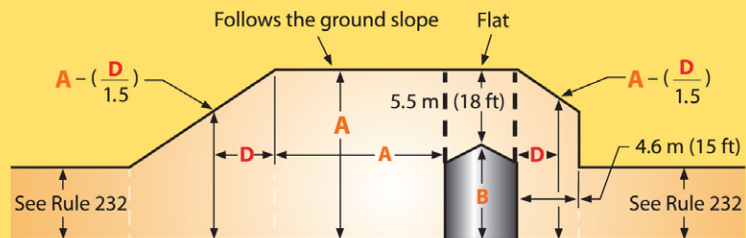
- P** = Probe clearance
5.5m (18 ft) required by Rule 234F1a
- H** = Horizontal clearance
4.6m (15 ft) required by Rule 234F1b
- T** = Transition clearance
- V₁** = Vertical clearance above a building required by Rule 234C
- V₂** = Vertical clearance required by Rule 232B



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Clearance envelope for grain bins filled by portable augers, conveyors or elevators

ELEVATION



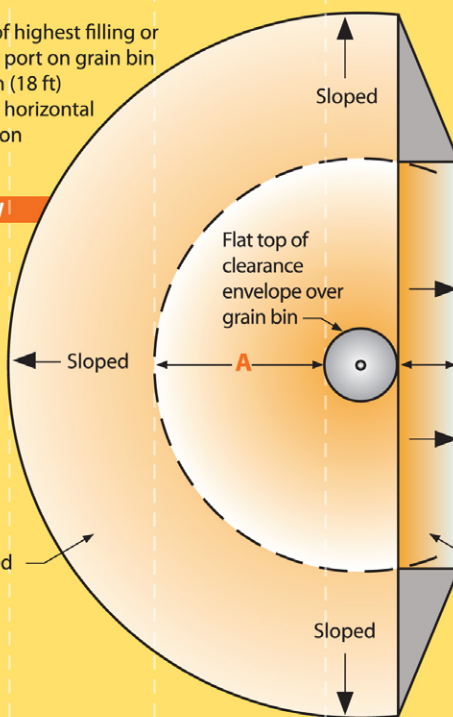
- B** = Height of highest filling or probing port on grain bin
- A** = B + 5.5m (18 ft)
- D** = Variable horizontal dimension

In the area of sloped clearance, the vertical clearance is reduced by 300mm (1 ft) for each additional 450mm (1.5 ft) of horizontal distance from the grain bin.

PLAN VIEW

LOADING SIDE

See Rule 232
Area of sloped clearance



NONLOADING SIDE

Sloped
4.6 m (15 ft)
Sloped
Rule 232 area
Area of sloped clearance

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