

Your Touchstone Energy® Cooperative 

ROUGH RIDER NEWS

ELECTRIC COOPERATIVE

MARCH 2016

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ROUGH RIDER
ELECTRIC COOPERATIVE

Your Touchstone Energy® Cooperative 

ROUGH RIDER ELECTRIC COOPERATIVE ADDED THIS FEATURE TO BE COMPLIANT WITH THE PAYMENT CARD INDUSTRY (PCI) DATA SECURITY STANDARD. THESE WORLDWIDE REQUIREMENTS ARE DESIGNED TO HELP COMPANIES THAT PROCESS SUCH PAYMENTS PREVENT CREDIT CARD FRAUD THROUGH INCREASED DATA CONTROLS. MOVING TO THIS SYSTEM ENSURES OUR CONTINUED ABILITY TO ACCEPT DEBIT AND CREDIT CARD PAYMENTS.

Report from

THE BOARD OF DIRECTORS

JAN. 29, 2016

When, where and who: The Board of Directors met at the Dan Price Ranch in Price, N.D., on Jan. 29.

Agenda: The Board reviewed, added to and approved the meeting agenda.

Minutes of the previous meeting: The Board reviewed and approved the minutes of the Dec. 18, 2015, meeting.

Co-General Managers' report: Chris Baumgartner and Don Franklund presented the co-general managers' report.

Chief Financial Officer report: Mr. Kupper referred the Board to his written financial report.

Operations and Construction report: Mr. Bentz referred the Board to his written report.

Upcoming meetings: The next Board meeting was set for 10 a.m. Central Time on Feb. 26, 2016, at Roughrider's office in Hazen, North Dakota.

Other business: There being no other business, upon motion made, seconded and unanimously carried, the meeting adjourned. ■

Roughrider Electric Cooperative offers members CONSERVATION AND ENERGY EFFICIENCIES INCENTIVES

Roughrider Electric Cooperative is continuing the conservation and energy-efficiency program through 2016. The incentives help you, the member, become more energy efficient.

The program for 2016 will include ground-source heat pumps and air-source heat pumps.

Members must buy and install qualifying systems between Jan. 1, 2016 and Dec. 31, 2016. The program for the heat pumps is for new installation or for replacement of a conventional heating system.

Roughrider Electric Cooperative personnel will check the

installation, and get the appropriate documentation and receipts. Once completed and approved, Roughrider Electric Cooperative will send a check directly to the member to help cover the purchase cost.

A maximum dollar amount has been set aside for the incentive program. The program will close when we meet this amount. Roughrider Electric reserves the right to cancel the program without further notice. One rebate allowed per member.

For more information, please contact Brad Quenette, director of member services, at 800-748-5533 or email bquenette@roughriderelectric.com.

Ground-Source Heat Pumps:
Required minimum efficiency

\$150 per ton with a maximum rebate of \$600
CLOSED LOOP: EER >= 14.1 COP >= 3.3
OPEN LOOP: EER >= 16.2 COP >= 3.6

Air-Source Heat Pumps:
Required minimum efficiency

\$100 per ton with a maximum rebate of \$400
HSPF >= 8.2 EER >= 12 SEER >= 14.5



ROUGH RIDER
ELECTRIC COOPERATIVE
Your Touchstone Energy® Cooperative 

Annual Meeting

2016

HAZEN, ND
HAZEN HIGH SCHOOL
JUNE 1, 2016

*Look for more information
in upcoming issues of
North Dakota Living.*

Bin Building Frenzy Underway

The Right Place



HAZEN OFFICE
701-748-2293 or 800-748-5533
800 Highway Dr., Hazen, ND 58545
7:30 a.m. – 4 p.m. CST Monday-Friday

DICKINSON OFFICE
701-483-5111 or 800-627-8470
P.O. Box 1038, 2156 4th Ave. E.
Dickinson, ND 58602
8 a.m. – 5 p.m. MST Monday-Friday

www.roughriderelectric.com

SUMMER STORMS AND NORMAL EXPANSION PLANS have several ag producers in the state planning to build new or replacement grain bins.

Early in the process – right up there with choosing the bin size and lining up a building crew – should be a call to Roughrider Electric Cooperative.

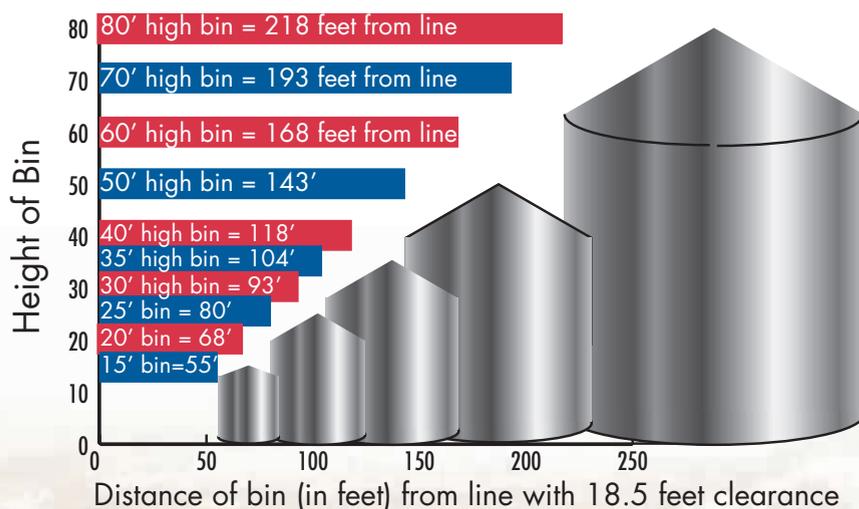
The call can help producers properly place their new bins in relationship to existing power lines. Adequate clearances can reduce the risk of accidental contact between power lines and tall farm equipment such as portable grain augers, elevators or grain probing devices. The National Electrical Safety Code (NESC)* requires specific line clearance requirements for grain bins located near power lines. Building a grain bin too close to a power line may mean that it will have to be moved, often at the farmer's expense. For example, a 35-foot tall bin should be placed no less than 104 feet away from the power line. Taller bins that can be filled by a portable grain auger must be placed even further from power lines.

Proper siting of grain bins in relation to existing high-voltage power lines is extremely important. In addition to safety considerations, there are also requirements for power line clearances that are mandated by national wiring codes. A bin placed too close to a power line may need to be moved or the power line relocated (i.e. raised or rerouted) due to a code violation. These changes are likely to be expensive and may be charged to the bin owner. Talk with Roughrider Electric Cooperative **before** the bin site is confirmed.

The NESC specifies the line clearance requirements for grain bins located close to power lines, including both the horizontal distance between the side of the bin and an adjacent power line and the vertical clearance above the bin to the nearest power line (NESC Article 234, Section F).

To assist in understanding clearance rules mandated by the NESC, a further explanation is provided in Appendix I of this pamphlet. Appendix II provides a complete listing of the requirements as reprinted from the NESC. Notice that bins filled by permanently installed augers, conveyers or elevator systems are treated separately from bins filled by portable augers. These rules also apply to feed storage bins, such as hopper bottom bins serving livestock production buildings. Anyone involved in the site planning and construction of grain bins should read and understand Appendix II.

Note: Requirements of the National Electrical Safety Code, Article 234, Section F pertain only to bins or power lines constructed after August 1989. Bins or power lines installed prior to this date are not required to conform to these clearance rules. However, additions to an older bin



Based on a typical power line having a vertical clearance of 18.5 feet above the ground and a supply line phase to ground voltage of more than 750 V to 22KV; National Electrical Safety Code Rule 232.

that increases its height may cause it to now be covered by NESC requirements.

The simplest and least expensive way to avoid these costly line construction requirements is to locate bins far enough away from overhead power lines so that the NESC clearance envelope is not violated. The table to the right lists the minimum horizontal distance needed between grain bins of various sizes and a typical power line. Placing bins at these distances reduces the chance of an electrical accident and avoids the need for special power line construction. This helps both the farmer and Roughrider Electric Cooperative.

The taller the bin, the greater the distance it must be from the power line.

* The NESC is a code that specifies minimum construction standards for safe transmission and distribution of electricity to the meter location.

Appendix I: Discussion of National Electrical Safety Code, Article 234, Section F

This section provides additional discussion and details on the requirements of NESC 234, Section F. Note that only bins or power lines constructed after August 1989 are affected by these requirements.

Considering horizontal clearances first, the NESC specifies clearances for both the nonloading and loading sides of a grain bin (refer to Figure 234-3 on the adjoining page). The nonloading side of a bin is that area where an auger, conveyor, elevator or other filling device cannot operate due to an obstruction. Typical obstructions include public roads, permanent fences, abutting buildings or any other permanent structure. Just because the bin is not typically filled from a particular side does not define it as the nonloading side of the bin. A permanent obstruction must exist that prevents loading of the bin.

The required distance from the power line to the side wall of the bin for nonloading sides must be at least 15 feet. If the 15-foot distance is not met, either the power line or the grain bin must be moved.

On the loading side(s) of the bin, distances must be greater, due to a greater risk of accidents. The distance horizontally from the bin wall to the power line is determined by the height of the highest access door or other probing port of the bin. In 234-3, this height is defined as V. Adding a distance of 18 feet to V determines the value H in Figure 234-3. Beyond this H distance, a minimum sloped clearance of 1 foot vertical drop for each 1.5 feet of horizontal travel must be designed. The NESC ruling also specifies the vertical clearance above the bin between the top of the bin and the nearest overhead line. A clearance of at least 18 feet directly above the highest opening or probing port must be maintained. This 18-foot clearance must encircle the bin around all loading sides, out to distance H as shown in the figure. These rules define the "envelope clearance" that must exist around the bin.

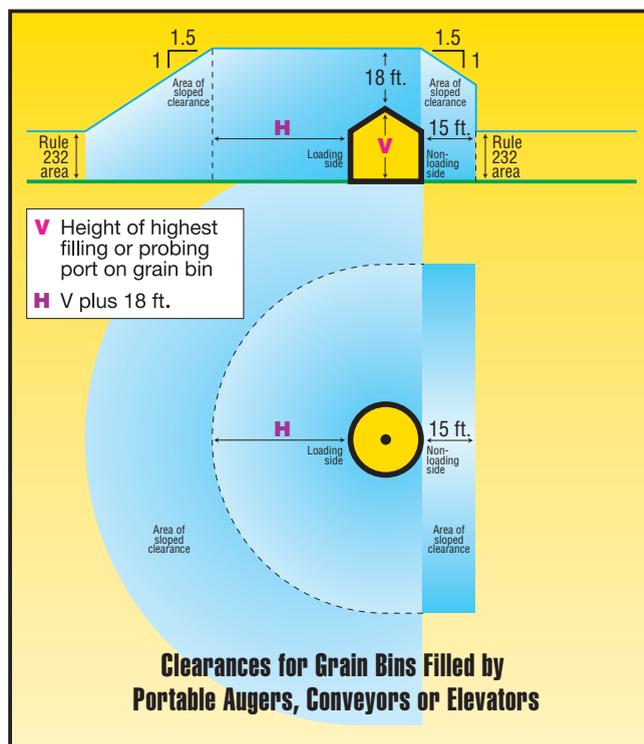
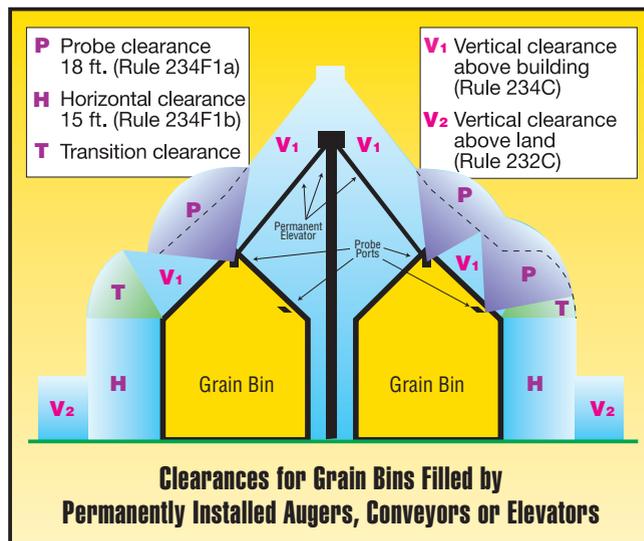
Appendix II: Reprint of Article 234, Section F from the National Electrical Safety Code.

Clearances of Wires, Conductors, Cables and Rigid Live Parts From Grain Bins

1. Grain Bins Loaded By Permanently Installed Augers, Conveyors or Elevator Systems: All portions of grain bins that are expected to be loaded by the use of a permanently installed auger, conveyor or elevator system may be considered as a building or other installation under Rule 234C for the purpose of determining appropriate clearances of wires, conductors, cables and rigid live parts, except that a vertical clearance above the bin of not less than 18 feet (5.5 meters) shall be maintained above the level of the highest probe port.

2. Grain Bins Loaded by Portable Augers, Conveyors or Elevators (With No Wind Displacement)

a. The clearance of wires, conductors, cables and rigid live parts from grain bins that are expected to be loaded by the use of portable auger, conveyor or elevator shall be not less than the values illustrated in Fig. 234-3.



Drawings reprinted with permission from IEEE Std. C2-2002, "National Electrical Safety Code." © Copyright 2002 by IEEE; all rights reserved. The IEEE disclaims any responsibility or liability resulting from the placement and use in the described manner.

EXCEPTION: Clearances of the following items on the nonloading side of grain bins shall be not less than those required by Rule 234C for clearances from buildings:

- 1) support arms, effectively grounded equipment cases
- 2) Insulated communication conductors and cables, messengers, surge-protection wires, grounded guys, neutral conductors meeting Rule 230E1 and supply cables meeting Rule 230C1.
- 3) Supply cables of 0 to 750 V meeting Rules 230C2 or 230C3
 - b. Any side of a grain bin is considered to be a nonloading side if it is so designated or if it is so closely abutting another structure or obstruction or so close to a public road or other right-of-way that a portable auger, conveyor or elevator is not reasonably anticipated to be used over that side or portion to fill the grain bin.
 - c. Where an agreement excludes the use of portable augers, conveyors or elevators from a designated portion of a grain bin, such portion is considered to be a nonloading side. ■

ROUGH RIDER ELECTRIC COOPERATIVE, INC.

TO: All Members
FROM: Donald A. Franklund and Christopher L. Baumgartner,
Alliance Co-General Managers
SUBJECT: Nomination Process

To comply with Rural Utilities Service (RUS) requirements, we must provide each member with a summary of the bylaws on the nomination process prior to the nomination of candidates for board positions. The following is the bylaw section on nominations:

SECTION 4. Nominations.

(a) A Nominating Committee shall be selected by the Board of Directors in time for its first meeting to be held before the annual meeting of members in 2009 and for each annual meeting of members thereafter. The Nominating Committee shall consist of an equal number of members from each of the Cooperative's Districts and a minimum of two members from each district shall be selected. No member of the Board of Directors may serve on the Nominating Committee. The Board of Directors shall establish rules for the conduct of and arrange for the meeting of the Nominating Committee. The Secretary shall notify the members of the Nominating Committee in the manner provided by Article II, Section 4 delivered at least fifteen days before the date set for the Committee meeting. From and after 2009, the Nominating Committee shall meet at least sixty days before the annual meeting of members to nominate at least one qualified candidate for each directorship for which there is a vacancy to be filled by a vote of the members. Upon conclusion of the meeting, the Nominating Committee shall cause a list of nominees for Directors to be posted at the principal office of the Cooperative.

(b) By petition, any fifteen or more members of the same district acting together may make other nominations for each directorship in that district for which there is a vacancy to be filled by a vote of the members, provided that the petition is filed with the Secretary not less than sixty days prior to the annual meeting of members. The Secretary shall cause to be posted such nominations at the same place where the list of nominations made by the committee is posted.

(c) The Secretary shall cause to be mailed, with the notice of the annual meeting of members, or separately but at least fifteen days before the date of the meeting, a statement of the number of Directors to be elected and the names and addresses of the candidates, specifying separately the nominations made by the Nominating Committee and also the nominations made by petition, if any.

(d) Unless voting by mail for directorships has been approved, the President, acting as Chairman of the meeting, shall invite additional nominations from the floor and nominations shall not be closed until a reasonable time has passed during which no additional nominations have been made. No member may nominate more than one candidate at any single annual meeting of members.

The Nominating Committee appointed by the board consists of **Gordon Ficek**, Dickinson; **Ivo Schoch**, New England; **Alan Kadrmas**, Dickinson; **Bruce Voegele**, Beulah; **David V. Sadowsky**, Dickinson; **Robert Fitterer**, Golden Valley; **John Smith**, Beulah; **Wayne Windhorst**, Stanton; **Clay Price**, Washburn.

One committee meeting was held Jan. 28 in Dickinson, and another was held Feb. 25 in Hazen.

If you have any questions concerning nominations, feel free to contact anyone on the Nominating Committee or please call our office for information.



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A phone SURVEY may await YOU

Members: Roughrider Electric Cooperative will be completing a random residential telephone Member Satisfaction Survey. It will be performed by Odney Advertising. If you receive a call from Odney Advertising, please take time to answer the questionnaire. The survey will take approximately 10 minutes. By participating in the 2016 Member Satisfaction Survey, Roughrider Electric Cooperative receives better insight into how we can better serve you, the member-owner.



Vote by mail at the annual meeting

In 2009 Roughrider Electric Cooperative's board of directors decided to offer the members the option of voting by mail. Ballots and instructions will be mailed out prior to the annual meeting. Under the bylaws, no nominations are accepted from the floor at the annual meeting. A qualified member of Roughrider Electric Cooperative may become a candidate for election by being nominated by the Nominating Committee or by a petition submitted not less than 60 days before the meeting.

Mail-in ballots will only be sent to members upon request. To request a ballot, please contact Steve Hildebrand at 701-748-2293 or 800-748-5533 prior to May 9. You may also contact Steve at shildebrand@roughriderelectric.com.



www.roughriderelectric.com

HAZEN OFFICE
701-748-2293 or 800-748-5533
800 Highway Dr., Hazen, ND 58545
7:30 a.m. – 4 p.m. CST Monday-Friday

Payments may be deposited in the deposit box by Roughrider Electric's main office entrance or in the drop boxes located at Krause's Super Valu in Hazen or Bronson's Super Valu in Beulah.

DICKINSON OFFICE
701-483-5111 or 800-627-8470
P.O. Box 1038, 2156 4th Ave. E.
Dickinson, ND 58602
8 a.m. – 5 p.m. MST Monday-Friday

Payments may be deposited in the deposit box west of Roughrider Electric's main office entrance or in the drop boxes located at Dickinson City Hall, or the north and south locations of Family Fare supermarkets.

OFFICERS AND DIRECTORS

Roger Kudrna, President; Dickinson	483-8377
Darell Herman, Vice President; Beulah	873-4371
Troy Sailer, Secretary; Golden Valley	948-2427
Bruce Darcy, Treasurer; Golden Valley	983-4222
William Retterath; Center	794-8729
Arnold Kainz; Dickinson	483-8207
Dan Price; Hensler	794-3779
Greg Steckler; Dunn Center	548-8122
Callen Schoch; New England	579-4395

MANAGEMENT

Don Franklund	Co-General Manager/CEO
Chris Baumgartner	Co-General Manager/CEO



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