



PO Box 177. 11306 RD 32



ENJOY THE FALL FESTIVALS & EVENTS

SEPTEMBER 2019

Coming Soon! Cold Water Creek SUBSTATION

Recently the Wheat Belt Board of Directors approved a plan to build a new substation to improve service in the northwest portion of the district. The advantages are many, so we have included the list from our Engineer, Bob McDonald, at Electrical Systems Consultants with whom we work closely on the design of our system. The substation is a joint venture with Tri-State G & T, our power supplier.

- Reduces the circuit length by up to 20 miles in some areas.
- There's a large amount of voltage drop and voltage levels can be low during peak usage despite maximum support from capacitors and regulators. The new substation corrects this.
- Lowers the system thermal losses.
- Defers or eliminates the need to rebuild the 1/0 ACSR portion of the Covalt east circuit. This is a very long circuit, so this would be quite expensive.
- Improves the service reliability of the area in terms of both momentary (i.e. fewer blinks) and permanent outages.
- The existing system is max'ed out and no significant amounts of load can be added. The new substation allows for a large amount of new load to be served.
- Area was always intended to have the additional substation.
- Makes Bob a happy camper because his computer model of the area will stop melting down! As Bob has retired, we shared a bit of his humor, and want to publicly thank him for his many years of working with Wheat Belt staff on projects ranging from rates to cost of service to maintenance and design.

Wheat Belt Connection

Editor Pam Wieser

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Yolanda Hruska

Congratulations to Scott and Tiffany Zorn, our July "Lucky Winners!" The Zorns have a farming and ranching operation. They have three children. Their two sons have returned to help with the family operations, and their daughter will be a Sophomore at Garden County High School.

The Zorns receive a \$50 credit for their prompt payment.

If you would like to be included in our next drawing, and avoid the \$5 delinquent fee, your payment must be in our office by the 18th of the month. For your convenience, we offer several payment options. Please give us a call or visit wheatbelt.com, and select the Customer Services menu.



Wheat Belt Public Power District

Rural Electric Nebraskan

Member FDIC

774 2nd Street, Phone: (308)874-2215

102 Coldwater, Phone: (308)772-3226

Quotes to Ponder

their words."

Unknown

Peter Buffett

that makes you happy."

Paul Hawken

within it."

Unknown

Leo Christopher

Unknown

believe it!" Unknown

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Attention Teachers - Mark your calendar for the 2020 NEED Conference! The NEED Conference historically has been held in late June. The National Energy Education Development (NEED) Project is a nonprofit education association with over 30 years of experience in energy education and curriculum development. NEED's materials and programs are an integral part of the energy education process in 65,000 classrooms nationwide.

NEED works with the education community and the energy industry to design and distribute comprehensive, objective, hands-on, inquiry-based education materials. NEED conducts student and teacher training programs, provides evaluation tools and recognizes outstanding student and teacher achievement for grades K-12.

NEED materials are designed to meet the diverse needs and learning styles of students. They are teachertested to ensure success in the classroom and are correlated to the National Science Education Content Standards and to state standards.

The mission of NEED is to promote an energy conscious and educated society by creating networks of students, educators and businesses, government and community leaders to design and deliver objective, multi-sided education programs.

The conference is held at Tri-State G & T located in Westminster, Colorado. Teachers confirmed to attend will be provided lodging at a nearby hotel. Tri-State will submit a rooming list to the hotel, and handle all reservations.



Details will be sent with confirmation of conference participation. Participants traveling from more than 50 miles, will be provided lodging the nights of the conference.

Breakfast and lunch will be provided during the conference and some dinners as well. Tri-State will also reimburse mileage for travel up to \$300. Tri-State and NEED are working together to secure graduate credit; however, the teachers will be responsible for covering the cost of the units. Basically, there is little to no cost to the educators in the Tri-State service area to participate.

The Goal of the conference is to expand educator's knowledge of the following subjects related to energy:

The science of energy, forms of energy, and energy transformations

Renewable and nonrenewable energy resources, their development, use, and impact on economics and environment

Generation and transmission of electricity

Development and use of transportation fuels and the connection of all fuels to the economy and the environment

Efficient use of energy and the use of energy technologies for conservation and reduction of waste

The conference will also integrate energy curriculum materials into classrooms at any grade level and with any group of students and with all learning styles.

Participants receive the training and materials to implement innovative hands-on energy units for their classrooms, multiple-disciplinary teams, and after-school programs. (Guest Editorial - Pam Wieser)



September 2019

ORPHAN GRAIN TRAIN TO DISTRIBUTE DONATION TO KEARNEY FLOOD RELIEF EFFORTS

On Saturday, August 4, a contribution on behalf of Wheat Belt Public Power District, in the amount of \$1,020, was made to the Orphan Grain Train to benefit the Kearney Flood Relief project. Brian Zimmerman, Wheat Belt Public Power District's Treasurer and Director from the Big



Springs area, presented the check to Brad Brackhan, the Rocky Mountain Branch Manager of the Orphan Grain Train. Pictured from left to right are Brad Brackhan, Branch Manager; Brian Zimmerman, Wheat Belt PPD Director; Dick Dawson, Grain Train Warehouse Manager; and Muriel Nelson, Secretary.

The donation was presented on behalf of Wheat Belt PPD by the Touchstone Energy Cooperative as part of their Hot Air Balloon Project. The balloon's professional flight team had been invited to the 2019 Gold Rush Days in Sidney, although, the balloon was not able to be launched due to weather.

The Touchstone Energy Balloon is designed to provide a highly visible means of demonstrating good corporate citizenship at local civic and philanthropic events. Tri-State G & T, Wheat Belt's power supplier, sponsors the balloon on behalf of their member systems when available. This was the first time Wheat Belt PPD received the sponsorship. A monetary contribution is made to a local charity on behalf of the sponsoring Touchstone Energy member.

Wheat Belt Public Power District P O Box 177, Sidney, Nebraska Serving parts of Cheyenne, Deuel, Morrill, Garden, Arthur and Keith Counties

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Wheat Belt Public Power District