

Cooperative Connections

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Ahead:
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Preparedness
Is Key**

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Teaching Youngsters the Important Lesson of Energy Efficiency



Joel Janorschke, General Manager

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Electronic and mobile devices, TVs, computers and gaming stations have become ubiquitous fixtures in our homes, particularly those with children. Consumer electronics coupled with the proliferation of smart home appliances, technology and electric vehicles have slowly

but steadily changed our homes and lifestyles.

This ever-connected world is the modern environment in which children are growing up. And with lifestyles increasingly reliant on technology and in turn, energy consumption, teaching youngsters to save energy is an important life lesson.

The Why

But before parents can teach their children how to save energy, they must first answer the question, “What’s in it for me?” As most parents can attest, convincing kids to care about energy efficiency is a hard sell. Parents need to explain why it’s important to save energy and how it benefits the child – otherwise they will not understand the need to change their habits and will be less motivated to do so. In the simplest terms, less money spent on an electric bill can mean more money used for fun activities (that’s something children can relate too!).

Less tangible, but just as important, using less energy means running your home more efficiently, conserving natural resources and helping the environment.

Learning by Doing

Because “saving energy” is an abstract concept for children, be specific about energy efficiency actions and set an example. We know that children learn by observing what their parents do. Even if they don’t say anything, children are processing your actions. When you turn off the lights when leaving a room or unplug the phone charger once the device is fully charged, they will notice.

Learning about energy efficiency doesn’t have to be a

boring lecture. Make it fun for greater impact.

For younger kids, turn energy efficiency into a “treasure hunt” game to locate all the things in your home that use electricity. Depending on the age of the children, challenge them to count and group the items into categories: electronics, appliances, lights, etc. If age appropriate, have them create a list. Ask which gadgets and appliances could be turned off or unplugged to save power every day.

For older children, show them how to program the smart thermostat and appliances. Shop with them for LED lights and discuss ENERGY STAR®-rated appliances. Show them the electric bill so they can see the costs, energy use and how their actions impact the bill.

Kids of all ages can learn a few simple energy-saving habits that can last a lifetime:

- Turn off lights, devices, computers and video consoles when not in use.
- Open blinds and curtains during winter days to let warm sunlight in and close them during summer days to keep your home cooler.
- If your children are old enough to run the dishwasher or wash their own clothes, teach them to run these appliances only with a full load and during off-peak energy hours.

Rewards

Offer rewards for agreed upon milestones. Rewards provide positive reinforcement on energy-saving actions. The idea is to create a habit of being energy efficient. And for parents, this could mean less nagging about turning off the lights!

Teaching your children about saving energy is not only a creative way to spend time with them; it helps your home to be more energy efficient and can instill good habits that will benefit your child long into adulthood.

In the simplest terms, less money spent on an electric bill can mean more money used for fun activities (that’s something children can relate too!).

Traverse Electric Cooperative Connections

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**In case of a power outage call
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Design assistance by SDREA.



Update Your Contact Information

In the utility business, we know rough weather will occur and sometimes power outages simply can't be avoided. But did you know there are steps you can take to ensure your electricity is restored as quickly and safely as possible? By keeping your contact information up-to-date, you can take full advantage of the services Traverse Electric offers.



You may have noticed prompts through our billing statements and webpage requesting your updated contact information. If we don't have the correct phone number linked to your home address, it makes it very difficult to contact you during an outage.

Updating your contact information is helpful because it speeds up the power restoration process. With correct information, we can also contact you in advance of planned outages for repairs and maintenance.

Please call 320-563-8616 and make sure you're up to date.

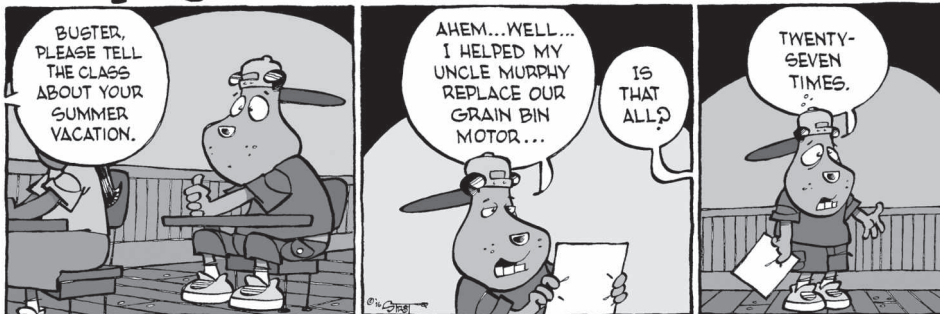


Energy Efficiency *Tip of the Month*

Turn off kitchen, bath and other exhaust fans within 20 minutes after you're done cooking or bathing. When replacing exhaust fans, consider installing high-efficiency, low-noise models.

Source: energy.gov

Murphy



IN CASE OF OUTAGE

- 1ST** Check the fuses or breakers in your home or building in which you do not have power.
- 2ND** Check your breaker below your meter on the yard pole. Some residential members may not have breakers.
- 3RD** If you still do not have power, call your neighbor to check if their electricity is also off.
- 4TH** Call immediately; do not wait for your neighbor to call in the outage.
- 5TH** Call Traverse Electric Cooperative at 1-800-927-5443.



College Bound?

Keep Safety in Mind

There are several specific causes for fires on in on- and off-campus college housing, including cooking, candles, smoking and overloaded power strips. For most students, the last fire safety training they received was in grade school, but with new independence comes new responsibilities. It is important that both off-campus and on-campus students know their fire risks and prevention actions that could save their lives.

Cooking

- Cook only where it is allowed.
- Keep your cooking area clean and free of anything that can burn.
- Keep an eye on what you are cooking, especially if you are cooking at high temperatures.
- If a fire starts in a microwave, keep the door closed and unplug the unit.

Candles

- Place candles in sturdy holders.
- Never leave a burning candle unattended.
- Keep candles away from anything that can burn.
- Use safe flameless candles.

Smoking

- Make sure cigarettes and ashes are out. Never toss hot cigarette butts or ashes in the trash can.
- Use deep, wide ashtrays. Place ashtrays on something sturdy and hard to burn.
- After a party, check for cigarette butts, especially under cushions. Chairs and sofas catch on fire fast and burn fast.
- Don't smoke when you have been drinking or are drowsy.

Electrical safety

- Keep lamps, light fixtures, and light bulbs away from anything that can burn.
- Never use an extension cord with large appliances, like a refrigerator.
- Do not overload outlets.
- Use only surge protectors or power strips that have internal overload protection.

Source: U.S. Fire Administration

<https://www.usfa.fema.gov/prevention/outreach/college.html>

Are You Registered?

National Voter Registration Day is a national holiday celebrating our democracy. It was first observed in 2012 and has been growing in popularity every year since. Held on the fourth Tuesday of September, National Voter Registration Day will be observed on Tuesday, Sept. 25, this year. The holiday has been endorsed by the National Association of Secretaries of State (NASS). It is further supported by the National Association of State Election Directors (NASED).

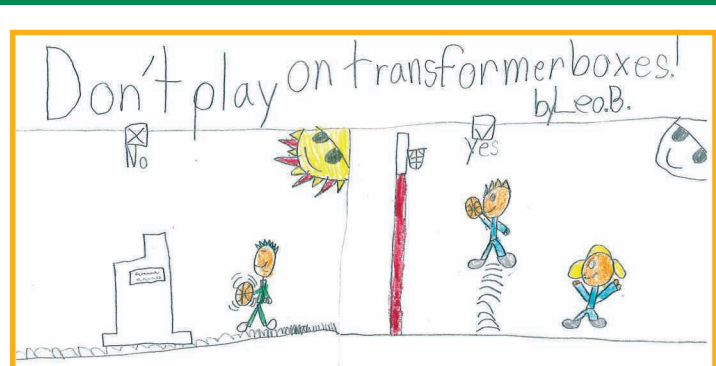
South Dakotans seeking to vote in the Nov. 6 general election must be a U.S. citizen residing in South Dakota and be 18 years old on or before Election Day. Voter registration forms must be received by the county auditor 15 days before the election day. Additionally, those seeking to vote may register at the county auditor's office, a driver's license station, city finance office, public assistance agencies providing food stamps, TANF or WIC, Department of Human Services offices which provide assistance to the disabled or military recruitment offices.

Minnesotans must be a resident of the state for 20 days prior to the election. They can register online, in person or on election day.

For more information, visit <https://www.sos.state.mn.us/elections-voting/register-to-vote/> or call the Minnesota Secretary of State's office at 1-877-600-VOTE (8683) or contact your county election office.



KIDS CORNER SAFETY POSTER



"Don't play on transformer boxes."

Leo Bakeberg IV, Second-grader at Dupree Public School

Leo is the son of Leo Bakeburg and Amanda Grewe, Dupree, S.D. They are members of Moreau-Grand Electric Cooperative, Timber Lake, S.D.

Kids, send your drawing with an electrical safety tip to your local electric cooperative (address found on Page 3). If your poster is published, you'll receive a prize. All entries must include your name, age, mailing address and the names of your parents. Colored drawings are encouraged.

Garden Goodness

Cheesy Sausage and Potato Skillet Casserole

8 oz. bulk breakfast sausage, crumbled	1/4 tsp. McCormick® Black Pepper, Coarse Ground
1 medium onion, chopped	1-1/2 cups shredded mozzarella cheese
1 medium green bell pepper, chopped	1 cup crumbled feta cheese
6 eggs	2 plum tomatoes, seeded and chopped
1 cup milk	1 T. oil
1 T. McCormick® Oregano Leaves	1 (20 oz.) pkg. refrigerated shredded hash browns
1/2 tsp. salt	

Cook and stir sausage in large skillet on medium heat 5 minutes or until lightly browned. Add onion and bell pepper; cook and stir 5 minutes or until vegetables are tender. Set aside. Beat eggs in large bowl with wire whisk. Add milk, oregano, salt and pepper; mix well. Add sausage mixture, cheeses and tomatoes; mix well. Set aside. Pour oil into same skillet, swirling to coat the pan. Spread hash browns in bottom and up sides of pan. Pour egg mixture over potatoes. Cover. Cook on medium heat 10 to 15 minutes or until eggs are set. Makes 12 servings

Nutritional Information Per Serving: Calories 221, Total Fat 13g, Saturated Fat 6g, Cholesterol 122mg, Sodium 477mg, Protein 12g, Carbohydrates 14g, Dietary Fiber 2g

Pictured, Cooperative Connections

Zucchini Hot Dish

1 medium unpeeled zucchini, washed, seeded and cut into chunks	Sliced onion
	Sliced green pepper
1-1/4 cups uncooked rice	American cheese slices
Fresh sliced tomatoes	Uncooked bacon

Spray a 10x10-inch casserole dish. Layer zucchini chunks in bottom of pan. Sprinkle rice over top of zucchini. Place a layer of tomatoes, sprinkled with oregano, salt and pepper over rice. Next, top this with a layer of onion, green pepper and cheese slices. Lastly, place layer of bacon over all. Bake, covered, at 350°F. for 1-1/2 hours. The raw ingredients will provide enough moisture to cook the rice.

Gail Lyngstad, Pierre, SD

Sandi's Tomato Garden Salad

3/4 cup sugar	6 large tomatoes, coarsely chopped
1/2 cup olive oil	1 large onion, coarsely chopped
2/3 cup tarragon vinegar	2 green peppers, coarsely chopped
2 T. yellow mustard	2 cucumbers, coarsely chopped (optional)
2 T. parsley	Rotini noodles, cooked
1 tsp. basil	
1 tsp. thyme	
Salt and pepper to taste	

In a large bowl, mix together first 8 ingredients. Add vegetables. Refrigerate overnight.

Sandi Polkinghorn, Lake City, SD

Apple Corn Bread Crisp

4 cups peeled, sliced tart apples, about 4 to 5 medium	1 (8.5 oz.) pkg. corn bread/muffin mix
3/4 cup packed brown sugar, divided	1 tsp. ground cinnamon (or to taste)
1/2 cup quick-cooking oats	5 T. cold butter, cubed

Stir together apples and 1/4 cup brown sugar. In another bowl, combine corn bread mix, oats, cinnamon and remaining brown sugar. Cut in butter until crumbly. Add 1/2 cup corn bread mixture to apples. Transfer to a greased 8-inch square baking dish. Sprinkle remaining corn bread mixture over top. Bake at 350°F. for 30 to 35 minutes or until filling is bubbly and topping golden brown. Serve warm.

Jean Osterman, Wheaton, MN

Please send your favorite pasta, slow cooker and holiday favorites recipes to your local electric cooperative (address found on Page 3).

Each recipe printed will be entered into a drawing for a prize in December 2018. All entries must include your name, mailing address, telephone number and cooperative name.

Attractive, Convenient Combo Screen/Storm Door Saves Energy Year-Round



James Dulley

Collaborative Efficiency

Before you consider adding a new combo screen/storm door, make sure your primary door closes tightly and seals well.

The following companies offer combo doors:
Andersen, (800) 933-3626, www.andersenwindows.com;
Homeguard Industries, 800-525-1885, www.home-guard.net;
Larson, 888-483-3768, www.larsondoors.com;
Pella, 800-374-4758, www.pella.com; and
ProVia, 800-669-4711, www.proviadoor.com.

Send inquiries to James Dulley, Cooperative Connections, 6906 Royalgreen Dr., Cincinnati, OH 45244 or visit www.dulley.com.

Dear Jim: My screen door needs replacement. I thought about getting screen/storm combo door with a glass panel for winter. Is it worthwhile to spend extra for the combo door? – Seth G.

Dear Seth: A primary door is a relatively small area, but even an insulated one can lose a significant amount of energy. Doors typically have glass (lower insulation value) and the 10 feet of weatherstripping leaks air, so adding a combo door makes energy sense.

Before you consider adding a new combo screen/storm door, make sure your primary door closes tightly and seals well. Adding a combo door will certainly improve energy efficiency, but it is not designed to correct problems with an old warped primary door.

If possible, purchase replacement weatherstripping for your existing doors from the original manufacturer. If you cannot find it, most home center stores sell styles of generic weatherstripping which should fit. Pry off the old door molding, fill any gaps around the framing with foam insulation and caulk around the primary door frame.

The combo door construction is important for a nice appearance, long life and security. It must withstand a lot of abuse, so don't just pick the cheapest one. High quality ones, like Provia Spectrum, have internal polymer corner supports, rigid insulated foam core, reinforced kick panels and triple bottom sweep weatherstripping.

Buying an aluminum combo door and installing it yourself is typically the lowest-cost option. Aluminum combo doors are lightweight with the glass panels removed so installing one is a simple do-it-yourself project. They are made to the standard sizes of primary door frame openings.

With the store display door attached to a wooden door frame, the aluminum frame feels strong. When you open the box at home, the unattached aluminum frame strips are flexible. Be careful not to kink them during handling. Apply a bead of silicone or siliconized acrylic caulking on the aluminum frame before screwing it to the door opening.

The most convenient design of combo door uses one or two spring-mounted roll-up retractable screens built into the door. For ventilation, just lower the glass and pull the screens down. This design is attractive because the screening is hidden away during winter.

If you plan to use natural ventilation during the summer, a self-storing triple-track combo door is a reasonably priced option. The screen panel has its own vertical track in the door, so it never has to be removed. At winter's end, slide one of the glass panels down and slide the screen panel up.

For families with large pets or active children who may damage the screening, durable stainless steel screen fabric is available in retractable screen doors. It also is a simple DIY project to add this durable screening to a panel door. Buy a slightly smaller spline because the new screening is thicker. A spline installation roller tool costs only a few dollars.

If your budget is tight, consider making your own door. Mount hinges in the existing door opening for the storm door. Make a simple wood frame for the new door with only the top half open and a plywood lower panel. This panel improves the door's rigidity for a more airtight seal and better durability.

Most home center stores carry sheets of clear acrylic plastic to mount in the frame. Make another narrow wooden frame slightly larger than the open half and mount the acrylic sheet in it. Screw it over the door opening. Make a similar frame with screening in it for summer use.

If you prefer more durability and efficiency and a perfectly clear view outdoors is not critical, select double-walled polycarbonate instead of acrylic.

Nail 1/2-inch-wide spring steel weatherstripping in the door opening on the latch side and top and bottom. This type of weatherstripping is very durable where there is sliding friction. Adhesive backed 3/4-inch foam weatherstripping is effective in compression on the hinge side.

Dedication, Service Recognized

Area duo to be inducted into South Dakota Cooperative Hall of Fame

Two area men – Dale Locken of Akaska and Kermit Pearson of Lake City – will be inducted into the South Dakota Cooperative Hall of Fame during the Co-op Month Banquet and Induction Ceremony Sept. 11 at The Lodge at Deadwood, S.D.

Induction into the South Dakota Cooperative Hall of Fame is the highest honor that the cooperative community can bestow on those whose endeavors in the cause of the cooperative form of enterprise have been genuinely heroic.

Dale Locken, Agtegra Cooperative

Locken served as the CEWO of South Dakota Wheat Growers Association (now Agtegra Cooperative) from 2002 to 2017. As CEO, he had the vision to always pursue the next step to maintain the relevance of the cooperative system in South Dakota. Under his leadership, he saw the need for a merger with North Central Farmers Elevator (which occurred shortly after he stepped down as CEO). While at the helm at Wheat Growers, he developed the cooperative's strong safety culture, established the Connecting to Tomorrow Initiative to improve grain handling systems at 12 SDWG locations, established the Growing for Tomorrow Initiative which upgraded 15 locations to expand capacity in both grain handling and agronomy, led construction of the Kennebec Facility which involved rehabilitation of the railroad line along with construction of a new facility.



Dale Locken

Kermit Pearson, Lake Region Electric Association

First elected to the Lake Region Electric Association board of directors in 1980, Kermit Pearson has spent the last 38 years as a dedicated leader of electric cooperatives. By 1989, Pearson would be selected to represent LREA on the East River Electric Power Cooperative board and from there, in 1997, would become East River's voice on the Basin Electric Power Cooperative board. In 2013, he was selected to represent Basin Electric on the South Dakota Rural Electric Association board of directors.



Kermit Pearson

Under Pearson's leadership, LREA, East River and Basin Electric have engaged in innovative and visionary programs to best serve their members. He works to ensure that decisions made at the Basin Electric level are in the best interest for the regional East River Electric membership and local Lake Region Electric membership.

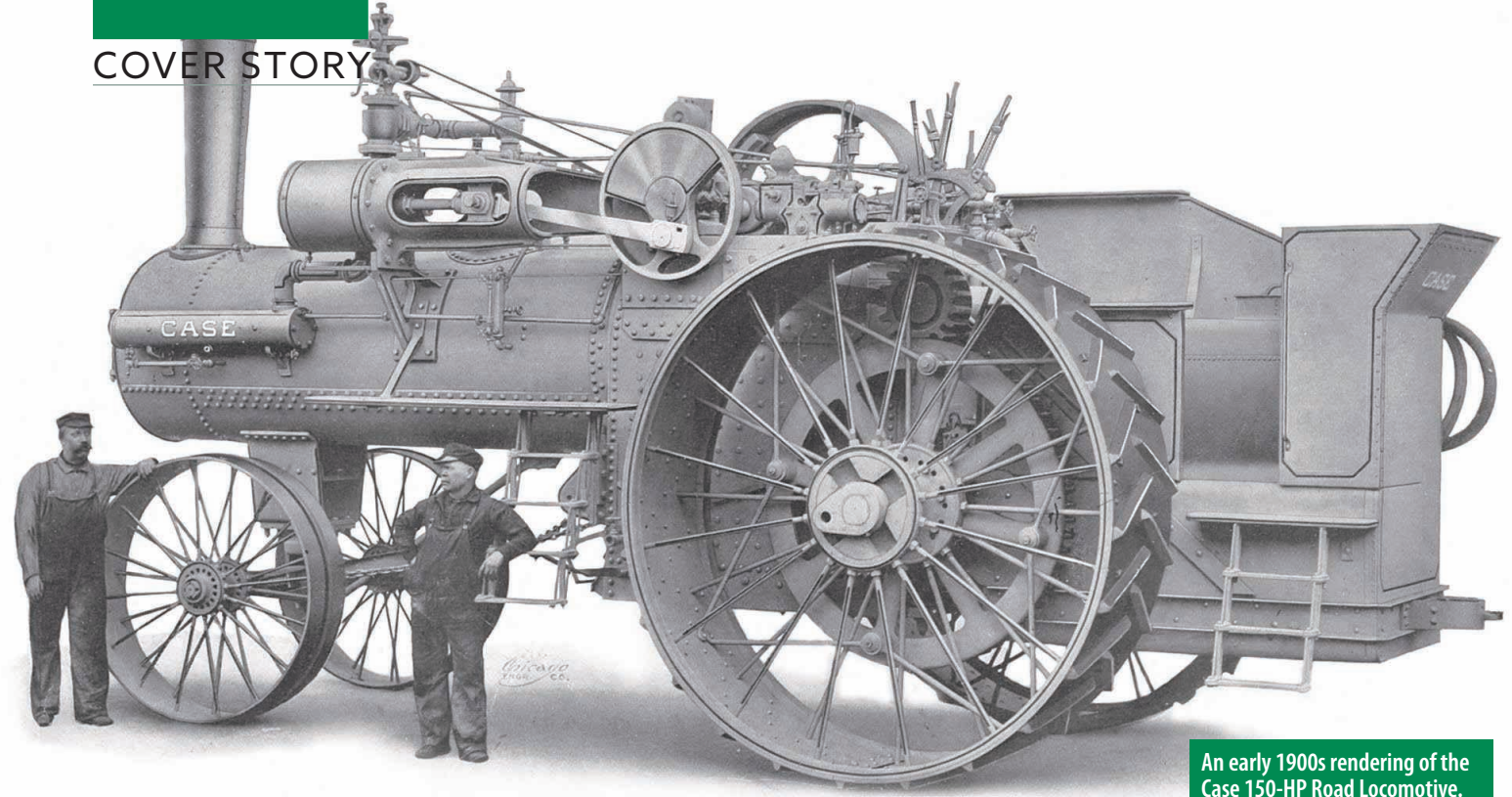
"He embraces and promotes the new innovations that benefit the membership," wrote LREA manager Tim McIntyre. "...his commitment to community and the membership shines as he inspires development and growth within each community."

Interested in attending?

To purchase tickets for the banquet, contact the South Dakota Association of Cooperatives by Sept. 1 at 116 N Euclid, Pierre, SD 57501. Tickets are \$40.

Past Inductees

- **1985** – Arthur Jones (1905-1985) and Emil Loriks (1895-1985)
- **1986** – Albert Schramm (1916-2000) and Herman D. Holt (1909-1986)
- **1987** – John Riedy (1911-2001) and August Dahme (1901-1980)
- **1988** – J. Evan Rasmussen (1905-1990) and John Skage (1904-1989)
- **1989** – Darrell Moseson and Warren G. Grebner (1920-2014)
- **1990** – J.E. Krull Sr. (1909-1999) and Lawrence Stoley (1901-1987)
- **1991** – Clifford G. Bell (1904-2000) and Warren Moe (1925-2011)
- **1992** – Ken Holum (1915-1998) and John A. Cink (1911-2002)
- **1993** – Clement J. Kloucek (1925-2005) and S. Douglas Murphy (1904-1996)
- **1994** – Philip Testerman and Max Farrar (1897-1980)
- **1995** – Quentin E. Loudon (1919-2012) and Oscar C. Johnson (1880-1965)
- **1996** – Vernon L. Berg (1920-1998) and Leo P. Flynn (1908-2001)
- **1997** – Ben Radcliffe (1915-2014) and G.L. Moseson (1894-1973)
- **1998** – J.D. Lynd (1933-2013) and George A. Hargens, Jr. (1921-1999)
- **1999** – Raymond M. Judy (1919-1997) and Virgil Fodness (1922-2013)
- **2000** – Keith Taylor (1923-2002) and Joseph Hieb (1924-2017)
- **2001** – Robert A. Johnson (1921-2014) and Donald N. Olson (1928-2006)
- **2002** – Vincent Erz (1926-2012) and Donald Wynia
- **2003** – Brian Meyer (1943-2003) and Don Paulsen (1930-2018)
- **2004** – Ed Fritzsche (1923-2005) and Dean Rasmussen
- **2005** – Robert Ching (1924-2012), Darrell Henderson and Alex Stoesser (1925-2000)
- **2006** – Dennis Hagny and Robert Rademacher
- **2007** – Leroy Schecher, Ralph Schreurs and Merlin VanWalleghen
- **2008** – Charles Olsen and Donald Fieber
- **2009** – Delbert Bushong and Owen Jones
- **2010** – Jake Boomsma, Milo Gilbertson and Barry Jensen
- **2011** – Jeffrey L. Nelson and Wayne Wright
- **2012** – Luverne Crosser, Gary French, Ron Minnaert and Larry Wilson
- **2013** – Thomas Hueners, John D. Johnson and Loren Noess
- **2014** – Gene Kroell, John Van Beek and Harvey Wollman
- **2015** – Keith Hainy, Roy Ireland, Rodney Renner and Carlyle Richards
- **2016** – Bill Bielmaier, Mark Hofer and Ronald Sandine
- **2017** – Jerry Heiberger and Clair Bonebright



An early 1900s rendering of the Case 150-HP Road Locomotive.

STEAM POWER DREAM

Recreating the Case 150-HP Road Locomotive

Brenda Kleinjan

editor@sdrea.coop

A legacy preserved in pictures and technical drawings has been brought back to life and debuts Sept. 7-9 at the James Valley Threshing and Tractor Club Show at Andover, S.D.

More than 100 years ago, the largest steam tractor ever produced – the 150-horsepower Case Road Locomotive – rolled off the drawing boards and onto the landscape. Fewer than 10 were produced and the behemoth's sheer power created technical issues for its ongoing reliability. But despite the issues that would eventually silence its massive engine, the giant – its rear wheels stood 8 feet tall and the front wheels reached the shoulders of a full-grown man – made an impression on Kory Anderson.

Anderson, an entrepreneur and mechanical engineer started with an idea 12 years ago to build a scale-model replica of the 25-foot, 10-foot wide machine. He spent the ensuing years researching the machine – including a visit to the Case archives in Wisconsin, recreating the drawings in CAD and researching what materials would overcome the original issues caused by lack of metallurgical advancements 100 years ago.

Anderson crafted mahogany molds for the parts that would need to be cast at Dakota Foundry in Webster. The services of an Amish boilermaker in Ohio would be secured.

The machine's rear wheels – each standing 8 feet tall and



Kory Anderson, right, an entrepreneur and mechanical engineer, is bringing to life a replica of the Case 150-HP Road Locomotive.

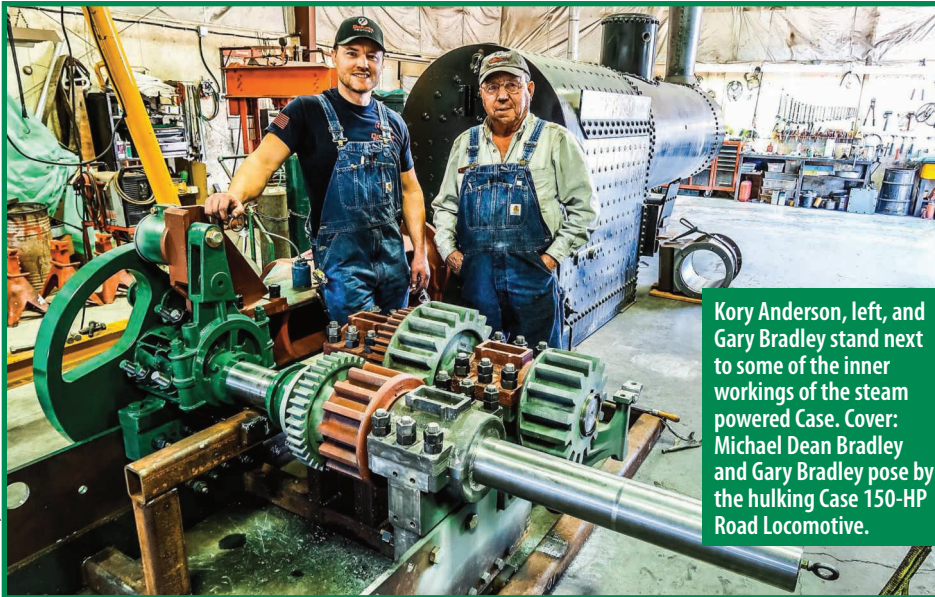
Case 150-HP Road Locomotive Specifications

from the Case archive documents:

- **BOILER** - Shell 42 inches in diameter.
- **TUBES** - Ninety-three 2 inch tubes, 108 1/2 inches long, of cold drawn, seamless steel tubing
- **FIRE BOX** - 58 1/4 inches long, 39 1/4 inches wide, and 45 inches high, made of the best open-hearth flange steel.
- **HEATING SURFACE** of boiler, 515 square feet. Grate area of boiler is 15.8 square feet.
- **BOILER PRESSURE** - The boiler tested at 350 pounds hydrostatic pressure, and can carry 160 pounds as a working pressure.
- **WATER TANK** - The capacity of the tank is about 500 gallons
- **WATER FEED** - An ejector will fill the water tank in eight minutes from any stream or other accessible water supply
- **FUEL CAPACITY** - The coal capacity is about 2,750 pounds.
- **ENGINE CYLINDER** - 14 inches diameter by 14 inch stroke.
- **HORSE POWER** - The engine easily develops 150 brake horse power running at its normal speed of 300 revolutions per minute.
- **TRACTION POWER** - The engine has been built for heavy hauling purposes and is capable of drawing 40 to 50 tons up grades from 5 percent to 10 percent. The engine itself, not loaded, will go up a 40 percent grade.

www.jamesvalleythreshers.com/case150.htm

Photos by Anderson Industries, LLC



Kory Anderson, left, and Gary Bradley stand next to some of the inner workings of the steam powered Case. Cover: Michael Dean Bradley and Gary Bradley pose by the hulking Case 150-HP Road Locomotive.

measuring 3 feet wide – would need to be fabricated. Finished, they would weigh three tons each. Parts would be painted, lettering and graphics would be applied. And thousands of hours would be spent breathing life into a machine not heard from since the 1920s.

In the age of railroads and horse-drawn power, the turn of the 20th century saw some innovative tractors that would transform the agriculture. The Case Road Locomotive had the potential to eclipse them all. Designed to move heavy loads where rail lines didn't exist, it was used to haul copper ore in New Mexico, and was used for jobs ranging from plowing beet fields, threshing and hauling stone from a quarry in states including Georgia, Kansas,

Kentucky, New York and Wisconsin.

The thing was built for power, if not speed. (In low gear, it crawled along at just over 2.5 miles an hour, while high speed doubled the pace, reaching more than 5.6 miles per hour.)

While the original machine sold for around \$4,000 in 1904 (roughly four times the cost of a 1904 Cadillac). The 2018 version will cost considerably more: an estimated \$1 million.

For more about the build, visit <https://www.facebook.com/Anderson-Industries-LLC-115448931876302/>

For more about the Threshing Show, go to <https://www.facebook.com/jvthreshers/> or <http://www.jamesvalleythreshers.com/>



Among those lending a hand to the project's build are Mark Knox, left, and Bob Johnson, second from right. Johnson is system support/member services manager at Codington-Clark Electric in Watertown.

Back to School: Electricity Fun Facts

Fall is here and students around the country are gearing up for and settling into school. In the spirit of learning, we're sharing 10 of the most interesting facts about electricity!

1. If a person yelled for eight years, seven months and six days, they would produce enough energy to heat one cup of coffee. You'd need a lot of coffee to yell for that long!
2. A hurricane releases 50 trillion to 200 trillion watts of heat energy. That's as much energy as a 10-megaton nuclear bomb exploding every 20 minutes. Woah.
3. Lightning is not just for rainstorms. It has been seen in volcanic eruptions and forest fires too. Shocking, we know.
4. Electric eels can produce strong electric shocks of around 500 volts for both self-defense and hunting. Talk about a super power!
5. Benjamin Franklin didn't discover electricity, but he did prove that lightning is a form of electrical energy. That's cool too.
6. At 3 p.m. on Sept. 4, 1882, Edison threw the switch that would light up America's first power plant in New York City, serving a square-mile area that included some important people including J.P. Morgan, the Stock Exchange, and the nation's largest newspapers. He also invented more than 2,000 new things, including switches, fuses, sockets and meters. Show off.
7. Inefficient appliances, drafty windows and doors, poor insulation and other fixable energy wasters cost U.S. consumers an estimated \$300 billion a year.
8. The first successful electric car was built in 1891 by American inventor William Morrison, a chemist who lived in Des Moines, Iowa.
9. The world's biggest light bulb is located in Edison, New Jersey. It's 14 feet tall, weighs eight tons and sits on top of the Thomas Edison Memorial Tower.
10. Natural gas is mostly made up of methane, which doesn't have a detectable smell. Sulfur compounds have to be added to it to give it that distinctive smell. This is for safety reasons, helping you to smell a possible leak.

Your local Touchstone Energy® Cooperatives know everything there is to know about powering your home, farm or business! Learn more about electricity in your area on our website at www.traverseelectric.com.

Member Comments

Thank you for your donation toward the National FCCLA trip. We are very lucky to live in such a generous community. We are excited to leave for Atlanta, Ga., next week.
Wheaton FCCLA, Wheaton, MN

Thank you for the great service since 1969. Forever grateful.
Wayne Bezenek, Breckenridge, MN



June Board Meeting Highlights

The June board meeting was held on Tuesday, June 26, 2018, at 8 a.m. All board members were present.

Staff members present were General Manager Joel Janorschke, Dale Schwagel and Karen Lupkes.

- The minutes of the May board meeting were approved.
- The May check register was approved.
- The East River June video report was viewed.
- Pat Homan reported on East River board and Basin Electric business.
- Schwagel and Lisa Tickhill from STAR Energy presented the 2017 State of Safety Report to the board.
- Schwagel gave the Operations Report. Items discussed included:
 - ▶ Crews have been changing out reject poles, clearance poles, and working on service upgrades.
 - ▶ May outages were reviewed
 - ▶ Completed projects were reviewed
 - ▶ Safety training update
 - ▶ Idle service retirements
 - ▶ Discussed recent vehicle-pole accidents
 - ▶ The safety trailer will be brought to the Steven County Fair in partnership with Agralite.
 - ▶ All trailers were recently DOT inspected
 - ▶ The URD conversion project west of Sisseton will begin once we receive final approval from RUS
 - ▶ East River's planned new substation in Roberts County
 - ▶ AMI quotes
 - ▶ Contractors for 2018
- The board approved the 2017 and ending March 31, 2018, audit report presented by CliftonLarsonAllen LLP.
- Janorschke presented the Manager's Report, which included:
 - ▶ AMI update
 - ▶ The board reviewed and approved revisions to Policy 107, 116, and 514.
 - ▶ Discussion on demand billing.
 - ▶ REED REDLG for Traverse Care Center discussed.
 - ▶ Reviewed the current farm bill, which includes reducing the interest rate earned on the RUS Cushion of Credit
 - ▶ Purchase of Ipad.
- Reviewed and approved the April Financial Report.
- List of upcoming meetings and attendees was reviewed.

Beat the Extreme Heat

During periods of extreme heat, hot weather mixed with outdoor activities can lead to dangerous situations. According to the CDC, people can suffer heat-related illness when their bodies are unable to properly cool themselves. During extreme heat, follow these guidelines to protect yourself and your loved ones.

Source: Centers for Disease Control and Prevention



AMERICA'S ELECTRIC COOPERATIVES



STAY INFORMED: Check local news for extreme heat alerts.



STAY COOL: If you do not have access to an air-conditioned space, visit a shopping mall or public library for a few hours.



STAY HYDRATED/DRESS APPROPRIATELY: Drink fluids regularly, regardless of activity level. Wear lightweight, light-colored, loose-fitting clothing.



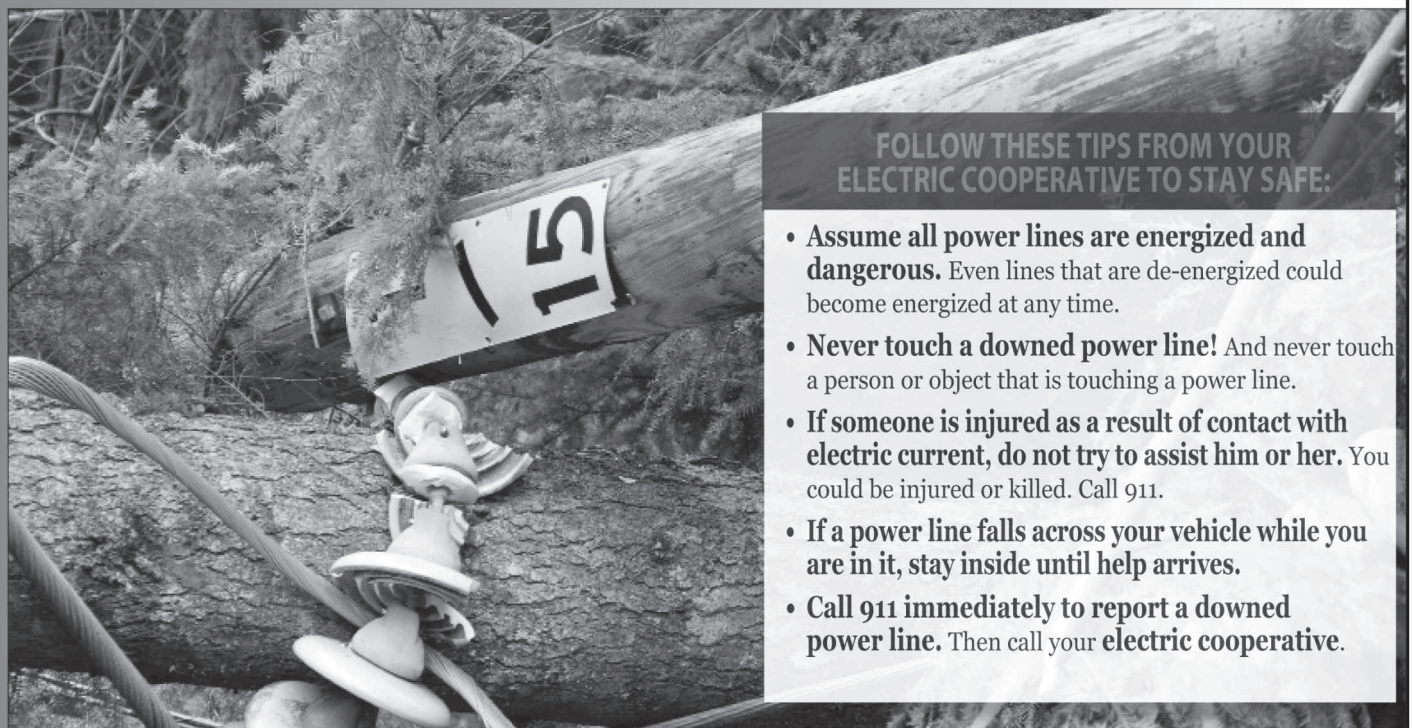
DON'T leave anyone in a closed, parked vehicle.



DO check on elderly friends and neighbors.

Stay Clear!

A downed power line may not be a dead line. It could cause serious injury or death.



FOLLOW THESE TIPS FROM YOUR ELECTRIC COOPERATIVE TO STAY SAFE:

- **Assume all power lines are energized and dangerous.** Even lines that are de-energized could become energized at any time.
- **Never touch a downed power line!** And never touch a person or object that is touching a power line.
- **If someone is injured as a result of contact with electric current, do not try to assist him or her.** You could be injured or killed. Call 911.
- **If a power line falls across your vehicle while you are in it, stay inside until help arrives.**
- **Call 911 immediately to report a downed power line.** Then call your electric cooperative.

Power in Preparation

Co-ops Committed to Preparedness Every Day

Derrill Holly

NRECA

Preparation is the key to success in many things we do in life. Planning, practice and thoughtful assessment provide opportunities to work out potential problems in advance.

September is National Preparedness Month, and the Department of Homeland Security's Federal Emergency Management Agency is encouraging all of us to prepare for emergencies. But most of us do better when we prepare for the routine, the extraordinary and the unexpected.

For electric cooperatives in South Dakota and western Minnesota, preparation plays a huge role in ensuring that our members have the electricity they need as soon as they flip a light switch or start an appliance.







When a co-op crew pulls a truck into a loading bay, warehouse workers have already pulled the parts and equipment needed for that crew's scheduled day's work. When a member services representative discusses balanced billing by telephone, they're helping a member with preparations to ease the impact of seasonal high bills.

When meteorologists call for exceptionally hot or cold weather, electric co-ops work closely with their generation and transmission cooperatives (G&Ts) to ensure adequate supplies of electricity are reserved to meet anticipated demand.

South Dakota and western Minnesota electric co-ops are constantly preparing for the future. Engineers and construction crews design, build and upgrade the electric system to move electricity from

Be Prepared Before the Storm

Here are some basic items you should store in your home in case of emergency:

-  **Water:** Three day supply, one gallon per person per day
-  **Food:** Three day supply, non-perishable, high-energy
-  **Clothing, bedding, and sanitation supplies**
-  **Tools:** Can opener, plates, utensils, flashlight, batteries, cash, bleach, hand sanitizer
-  **First aid supplies, medicine**
-  **Important documents**

Visit redcross.org/domore to learn more about disaster kits.

Photo Caption.

Source: American Red Cross, Federal Emergency Management Agency

power plants and substations to farms, homes and businesses.

All of these actions prepare electric co-ops to deal with the daily challenges of meeting the electricity needs of their members. But working together, we put in just as much effort preparing for the uncertainties posed by flooding, tornadoes, wildfires, high winds, blizzards and ice storms. Electric co-ops maintain and constantly update emergency response plans. Employees train for major events and know in advance what their primary and secondary roles would be. Electric co-ops also subscribe to mutual aid agreements. That's why you see trucks and crews from co-ops in other states in your communities when major power outages occur.

We also work with state and national

officials to help ensure that crews can get to your communities when they are needed and have the lodging, food and support necessary to work effectively far from home.

September may be National Preparedness Month, but the region's electric cooperatives are committed to preparedness every day – for the routine, the extraordinary and the unexpected.

Derrill Holly writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the national trade association representing more than 900 local electric cooperatives. From growing suburbs to remote farming communities, electric co-ops serve as engines of economic development for 42 million Americans across 56 percent of the nation's landscape.

Are You Ready?

The heat of August and September make it hard to remember that winter snows will be here before we know it.

The South Dakota Office of Emergency Management offers the following preparedness tips:

Winter storms, especially blizzards, can be very dangerous. Preparing before extremely cold, snowy weather occurs can save your life. Know what winter storm watches and warnings mean. If a Winter Storm Watch has been issued for your area, hazardous winter weather conditions (such as snow greater than 6 inches in 24 hours, winds gusting over 35 mph, or visibilities less than a 1/4 mile) are expected in the next 12 to 36 hours. A Winter Storm Warning means the conditions listed for the Watch exist.

Try to stay indoors during a blizzard. If you have to go outside to check on animals or for another reason, be sure to dress warmly in loose fitting layers of clothing.

Wear heavy gloves to protect your hands and heavy socks with boots that will not absorb water. Cover your mouth so that you don't breathe in freezing cold air that can damage your lungs. Keep your body dry.

Know the signs of hypothermia or frostbite.

If you are traveling at all when a winter storm is possible, then you should always bring emergency supplies with you. You can never predict when you might get stranded and need them. If stranded, make sure you stay in your vehicle. Run your vehicle about 10 minutes every hour. Open windows a little for fresh air to avoid carbon monoxide poisoning. Make yourself visible to rescuers by turning on the dome light at night, tie a colored cloth to your antenna, and raise the hood after the snow stops falling.

If you are caught outside, find a dry shelter and cover all exposed parts of the body. If shelter is not available, prepare a lean-to, wind break, or snow-cave for protection from the wind.

Build a fire for heat and to attract attention. Place rocks around the fire to absorb and reflect heat. Do not eat snow, it will lower your body temperature. Melt it first.

Weather related dangers can be very unexpected. Being prepared for a potential hazardous situation could save your life.



Supply Kit

Prepare your family for any disaster by putting together an emergency supply kit. Make sure your kit is always ready, easily accessible and stored in a durable container.

Recommended Kit Supplies

- Water, one gallon per person per day for drinking and sanitation
- Food, at least a three-day supply of non-perishable food
- Battery-powered radio and extra batteries
- Flashlight and extra batteries
- First aid kit
- Whistle to signal for help
- Dust mask or cotton t-shirt to help filter the air
- Moist towelettes for sanitation
- Wrench or pliers
- Can opener for food
- Plastic sheeting and duct tape
- Unique family needs, such as daily prescriptions, infant formula or diapers, and copies of important family documents
- Garbage bags and plastic ties for personal sanitation

Other Items to Include

- Change of clothing
- Sleeping bag or blanket
- Hat, mitten, scarf
- Waterproof matches
- Toys, books, puzzles, games
- Extra house and car keys
- List of contact names and numbers
- Sturdy shoes
- Gloves for clearing debris
- Tent
- Fuel for cooking
- Plastic knives, forks, spoons
- Paper plates and cups
- Paper towels
- Heavy-duty aluminum foil
- Hand sanitizer
- Bar soap and liquid detergent
- Shampoo
- Toothpaste and toothbrushes
- Feminine supplies
- Toilet paper
- Household bleach with no additives
- Newspaper to wrap garbage and waste
- Ax, shovel, broom
- Screwdriver, hammer
- Coil of one-half inch rope
- Knife or razor blades
- Garden hose for siphoning and fire fighting

Source: <https://dps.sd.gov/emergency-services/emergency-management/preparedness>



It can be tough to help kids understand the importance of saving energy.

Electrifying Ways to Help Kids Be **SMART ENERGY USERS**

“Did you turn off the lights in your room?”

“We’re not paying to heat the whole neighborhood!”

“Save some hot water for the rest of us!”

Across America, parents utter these phrases to their children countless times each day. Despite their best efforts, it can be tough to help kids understand the importance of saving energy – and to put that knowledge into action.

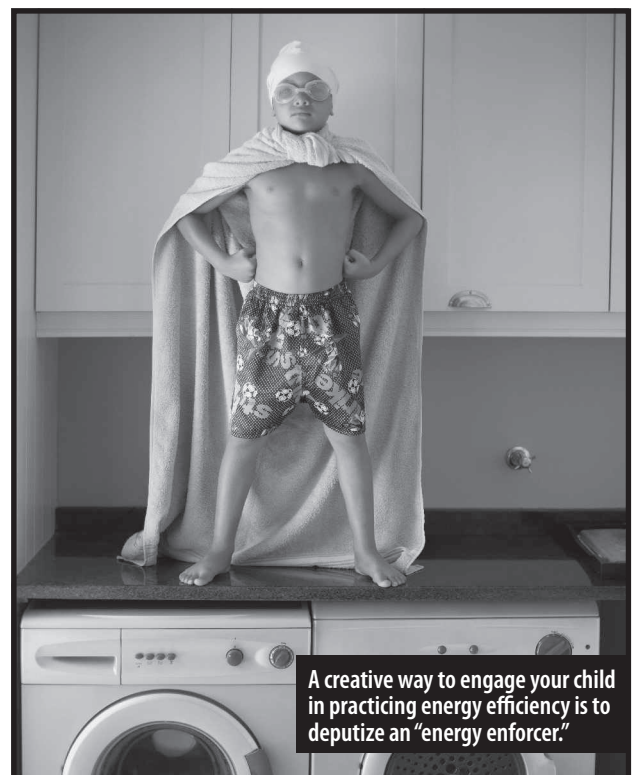
Few people have more experience talking about energy efficiency than the communication professionals who work at America’s electric cooperatives. So we asked them how they persuade the toughest audience they face every day: their kids. Here are a few of their tips.

Deputize an “energy enforcer”

Several parents recommended deputizing children to investigate wasteful energy practices.

When her children were young, Heidi Smith of Tideland Electric Membership Corporation in North Carolina let them take turns playing the role of energy deputy.

Each week, the appointed child was given a badge and empowered to seek out energy waste and hold the offending



A creative way to engage your child in practicing energy efficiency is to deputize an “energy enforcer.”

party accountable.

“My youngest son took it so seriously that he once cracked open the bathroom door and reached in to turn off the light on his dad after he decided daddy had been in there long enough,” Smith said. “All five of my children are now grown, but they continue to practice energy efficiency in their own lives.”

Diana Hersch of Hancock-Wood Electric Cooperative in Ohio offered a slightly different twist on the same idea. She suggests offering your little energy deputies a bounty for finding leaks, drafts and other wasteful energy practices around the house.

Their progress can be tracked with stickers on a calendar, and when the kids reach their goal, they can be rewarded with a sheriff’s badge or another small toy of their choice.

Penalty stroke

In addition to teaching her patience and discipline, the rounds of golf Jim Nimmo plays with his 11-year-old-daughter have turned into valuable lessons in energy conservation.

When the kids reach their goal, they can be rewarded with a sheriff’s badge or another small toy of their choice.

Nimmo, of Farmers Electric Cooperative in Texas, has started adding a penalty stroke to his daughter’s score for each time he’s had to turn off her bedroom light and fan since their last round.

“It gives new meaning to the term penalty stroke,” Nimmo said. “We don’t have much of a problem anymore.” No word on whether his daughter is allowed to return the favor.

The invisible hand

If your child’s hand never seems to find its way to the light switch, perhaps the invisible hand of the free market can help them out.

Katie Kothmann Haby of Medina Electric

Cooperative in Texas said her dad used to fine her 25 cents for every light bulb she and her siblings left on in their rooms. For her ceiling fan with four bulbs, that was a costly mistake.

“It taught us that electricity really did cost money since we had to pay when we didn’t conserve it,” Haby said. Though her daughter is very young, Haby says she plans to use the same approach when she’s older.

Game Theory

Other creative strategies to inspire kids to do their chores and keep peace in the home can be found in *The Game Theorist’s Guide to Parenting*. The recently published book, written by Paul Raeburn and Kevin Zollman, shows how Game Theory can be applied to many of daily transactions of parenting, such as sharing, dividing, collaborating and compromising.

No matter what the approach, talking to kids about energy use is sure to pay dividends. They might not always follow through, but they’ll be learning important lessons about the value of energy and the importance of conservation that can last a lifetime.



Other creative strategies to inspire kids to do their chores and keep peace in the home can be found in *The Game Theorist’s Guide to Parenting*.

August 23-25

Senior Games, Watertown, SD, Contact Jeremy Herrboldt or Josh Maag at 605-882-6260

August 25-26

Fall River Hot Air Balloon Festival, Sunrise each day at airport, Activities all day, Night Glow Saturday at 7:30 p.m., Hot Springs, SD 605-745-4140

August 25, September 8 and 22, October 6

Lawn Mower Races, Pukwana, SD, 605-680-1718 or 605-682-9781

August 30

Value Added Ag Day and Specialty Crop Workshops at the State Fair, SD Value Added Ag Development Center and SD Specialty Producers, Huron, SD, 605-681-6793 or SDSPAinfo@gmail.com

September 2

Studebaker Car Show, Custer, SD, 605-673-2244

September 2

Billy Bolander Memorial Demolition Derby, Winner, SD, 605-469-6232

September 6-9

Senior State Games, Sioux Falls, SD, Howard Bich at 605-491-0635 or visit southdakotaseniorgames.org

September 7-8

Ribs, Rods & Rock n' Roll, Main Street, Vermillion, SD, 605-624-2021

September 7-9

Sixth Annual S.D. Fiddle Festival & Contest, 4-H Grounds, 901 Whiting Drive, Yankton, SD, fiddlersofsouthdakota.com



September 7-9

James Valley Threshing and Tractor Show, Andover, SD, jvthreshers@gmail.com

September 8

Beef N Fun Festival, Mobridge, SD, 605-845-2387

September 8

Sidewalk Arts Festival, Sioux Falls, SD, 605-367-7397

September 8

Eggs, Mushrooms and Microgreens Tours, Noon to 4:30 p.m., Free, Brandon, SD, Contact 605-681-6793 or SDSPAinfo@gmail.com

September 8-9

Fifth Annual Grape Stomp Festival, With the Wind Winery, Rosholt, SD, 605-212-5166, www.withthewindwinery.com

September 8-9

Twin Rivers Old Iron & Kuchen Festival, Delmont, SD, Contact George Sandhoff at 605-505-0535

September 8-9

Quilt Show, Hill City, SD, 605-574-2810

September 11

S.D. Co-op Hall of Fame Induction Banquet, The Lodge, Deadwood, SD, 605-945-2548

September 13-15

St. Joseph's Indian School Annual Powwow, Chamberlain, SD, 605-234-3452

September 14-15

NESD Celtic Faire and Games, Aberdeen, SD, 605-380-5828

September 14-16

North Country Fiber Fair, Watertown, SD, 605-956-7909

September 14-16

Dakota Western Heritage Festival, Fort Pierre, SD, 605-222-0079

September 14-16

German-Russian Schmeckfest, Eureka, SD, 605-284-2332

September 16

Stirling Family Memorial Ranch Rodeo, Fort Pierre, SD, 605-223-7690

September 21-22

Holiday Arts Fall Craft Show, Masonic Temple, Mitchell, SD, 605-359-2049

September 21-23

South Dakota Quilt Guild, Crossroads Event Center, Huron, SD, 605-352-9953

To have your event listed on this page, send complete information, including date, event, place and contact to your local electric cooperative. Include your name, address and daytime telephone number. Information must be submitted at least eight weeks prior to your event. Please call ahead to confirm date, time and location of event.