

Power Source

Southwest Rural Electric Association, Inc.

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In order to keep up with the increase of electric vehicles (EVs), charging stations are becoming more of a necessity across widespread areas, both rural and urban. The existing EV charging infrastructure across the nation is currently insufficient to meet the surging demand for EVs.

While many EV drivers will charge their cars at home overnight, others may not have that availability, or, depending on their daily commute, may need a recharge in between work and home. It is these particular commuters who are looking for charging stations at convenience stores, grocery stores, malls, rest stops, hotels, event centers, schools and hospitals.

There are three major categories of chargers, based on the amount of power the charger can provide:

AC Level 1:

Provides charging through a 120 volt (V) AC plug and does not require installation of additional charging equipment. Level 1 can typically deliver two to five miles of range per hour of charging. Level 1 is most often used in home applications, but, is sometimes used at workplaces.

AC Level 2:

This level provides charging through a 240 V plug and requires the installation of additional charging equipment by a qualified electrician/installer. Level 2 chargers typically deliver 10 to 60 miles of range per hour of charging. Level 2 is used in homes, workplaces and for some public charging.

DC Fast-Charge:

A DC Fast Charge system provides charging through 480 V AC input and requires specialized, high-powered charging and other special equipment in the vehicle itself. DC Fast Charging can deliver an approximate 80 percent battery charge (or 60 to 100 miles of range), for most EV models, in about 20 to 30 minutes of charging. This is the format used most often in public charging stations, especially along heavy traffic corridors. Plug-in hybrid electric vehicles typically do not have fast charging capabilities.



Education and Information.

EV Charging stations expanding to rural areas.



CEO Message



Manager/CEO, Ken Simmons

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Southwest Rural Electric

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Haley Hoover, SWRE News editor

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New newsletter series highlights experience with EV's

As we begin the New Year, I'm excited to introduce to you the new content that will be featured in this newsletter. Throughout previous columns and other communications regarding new and changing technologies, I've mentioned the fact that electric vehicles (EV's) aren't just on their way – they are here. While many of you may find this hard to believe, it's important to note that SWRE is aware of at least six "total electric vehicles" inside our territory, along with many more hybrid vehicles.

As you've experienced, it is always SWRE's intention to meet our members where they are by supporting their ever-changing needs as a member-consumer. Last fall we had the pleasure of installing an inhome EV charging kit for a member who recently bought a new EV.

This member of ours was so gracious, he agreed to let us use his family's experiences with the EV as a subject for multiple articles to come in 2019. These articles will be placed in this newsletter to share their personal experiences as it relates to owning, operating, and adapting to a new and emerging technology.

Additionally; SWRE is excited to announce that we will also be adding the first EV to our fleet in the coming weeks, so we can report first-hand on our own experiences with an EV. Through this series of articles and blogs we will be able to better inform you, our members, on the advantages and challenges that come with owning an EV.

Our cover story, in fact, lays the ground work for this theme. Most of us don't know how to decipher between the different levels of chargers that are on the market at this time. The article compares the three most-common types so you'll be better informed on the topic in the future.

If you plan on purchasing a vehicle in the near future and you think an EV is an option for you to consider, please give us a call. We'd love to assist you any way that we can as you decide if an EV is the right choice for you.

Be on the look-out for our new series featuring one SWRE family's experience as first-time EV owners.

Manager/CEO, Ken Simmons

Energy Efficiency Tip of the Month

Is your hot water tank warm to the touch? Consider insulating it to save 7 to 16 percent annually on water heating costs. Follow the manufacturer's recommendations.

Source: energy.gov



January 2019

3 tips to stay prepared for winter storms

When winter temperatures drop and storms hit, it can be challenging to stay safe and warm. Winter storm severity varies depending on where you live, but nearly all Americans are affected by extreme winter storms at some point. SWRE cares about your safety, and we want you to be prepared.

Heavy snow and ice can lead to downed power lines, leaving co-op members without power. During extremely low temperatures, this can be dangerous. During a power outage, our crews will continue to work as quickly and safely as possible to restore power, but there are a few things you can do to prepare yourself.

- Stay warm Plan to use a safe alternate heating source, such as a fireplace or wood-burning stove during a power outage. These are great options to keep you and your loved ones warm, but exercise caution when using, and never leave the heating source unattended. If you are using gasoline-, propane- or natural gas-burning devices to stay warm, never use them indoors. Remember that fuel- and wood-burning sources of heat should always be properly ventilated. Always read the manufacturer's directions before using.
- Stay fed The CDC recommends having several days' supply of food that does not need to be cooked handy. Crackers, cereal, canned goods and bread are good options. Five gallons of water per person should also be available in the event of an extended power outage.
- Stay safe When an outage occurs, it usually means power lines are down. It is best not to travel during winter storms, but if you must, bring a survival kit along, and do not travel alone. If you encounter downed lines, always assume they are live. Stay as far away from the downed lines as possible, and report the situation to our dispatchers by calling 1-800-256-7973 if possible.

Winter weather can be unpredictable and dangerous, and planning ahead can often be the difference between life and death. SWRE is ready for what Mother Nature has in store, and we want you to be ready, too. For more winter safety tips, visit www.swre.com or www.ready. gov/winter-weather.





SWRE News





Ingredients:

- 1 lb. beef sirloin 8 oz. crimini mushrooms
- 3 cloves garlic 1 parsley, fresh
- 1 sweet onion
- 5 cups chicken or beef stock
- 2 tbsp tomato paste 1 tbsp Worcester-
- 1 tbsp Worcestershire sauce
- 1 1/2 cups egg noodles
- 2 tbsp flour
- 2 tbsp butter 1/2 sour cream

Instructions:

- 1. In a large pot or dutch oven, melt butter over medium-high heat. Sprinkle the meat with some salt and pepper to taste; add to the pot and cook until browned. Using a slotted spoon, transfer meat to a bowl; keep warm.
- 2. Add in the mushrooms, onion, and garlic; saute until the vegetables have softened, about 3 minutes. Stir in the tomato paste and Worcestershire sauce. Pour in the chicken (or beef) stock and bring to a boil. Add in the noodles. Reduce heat to a simmer and cook for 5-7 minutes until al dente.
- 3. In a bowl or large measuring cup, combine the sour cream and flour. Whisk in 1 cup of the hot soup; pour mixture back into the pot. Cook and stir for 1-2 minutes to thicken. Add cooked meat back to the pot and heat through. Taste, and adjust seasoning with a little more salt and pepper, if necessary. Serve in individual bowls with some fresh chopped parsley.

SWRE Trading Post

FREE classified non-commercial ads available for SWRE members only. Ads also posted at www.swre.com. Mail ads to Haley Hoover at P.O. Box 310 Tipton, OK 73570, email to haleyhoover@swre.com or call 1-800-256-7973.

For Sale: Double pedestal dining table with 2 arm chairs and 4 side chairs. With leaf, 6 feet long and approximately 3 feet wide. \$350 OBO. Call 580-569-4550.

For Sale: Oreck vacuum cleaner, very well maintained and works well. Has a new beater bar. Vacuum is from a smoke free/pet free home. Comes with 11 disposable bags and two belts. \$175.00 940-886-6529.

For Sale: Used fencing wood posts. 6-8 feet long, varied diameters; corner & insulators. Text/call 940-631-2568

FREE to a good home: 2-yearold Rottweiler dog. Hates chickens but loved kids. Very friendly - will lick you to death! Call 580-563-2289.

For Sale: PSo16510S Spicer large truck transmission. 750 miles since rebuilt. Excellent condition. Fits Cat, Cummins & Detroit. Phone: (580)480-5452 (cell) or (580)639-2341.

For Sale: Registered Polled Hereford Bulls and commercial Angus Bulls. 16-20 months old. Call 940-852-5181 or 940-839-5551.

For Sale: 2003 Keystone Hornet camper trailer. 31 foot with a 3x12 slide-out. Call (580) 318-4812.

For Sale: Betty Boop dolls for \$10 each, also china dolls for \$5 each. Call 940-552-2010 for inquiries

For Sale: Young Guinea Chicks, \$3 each. Call 580-471-8055.

For Sale: Jack Russell Puppies. Vet checked, first shots, wormed. Located in Blair. 580-301-0253 please no texts.

For Sale: 20-22 mo. Old Polled Hereford Bulls, also 12-24 mo. Angus Bulls. Call 940-852-5181 or 940-839-5551.

