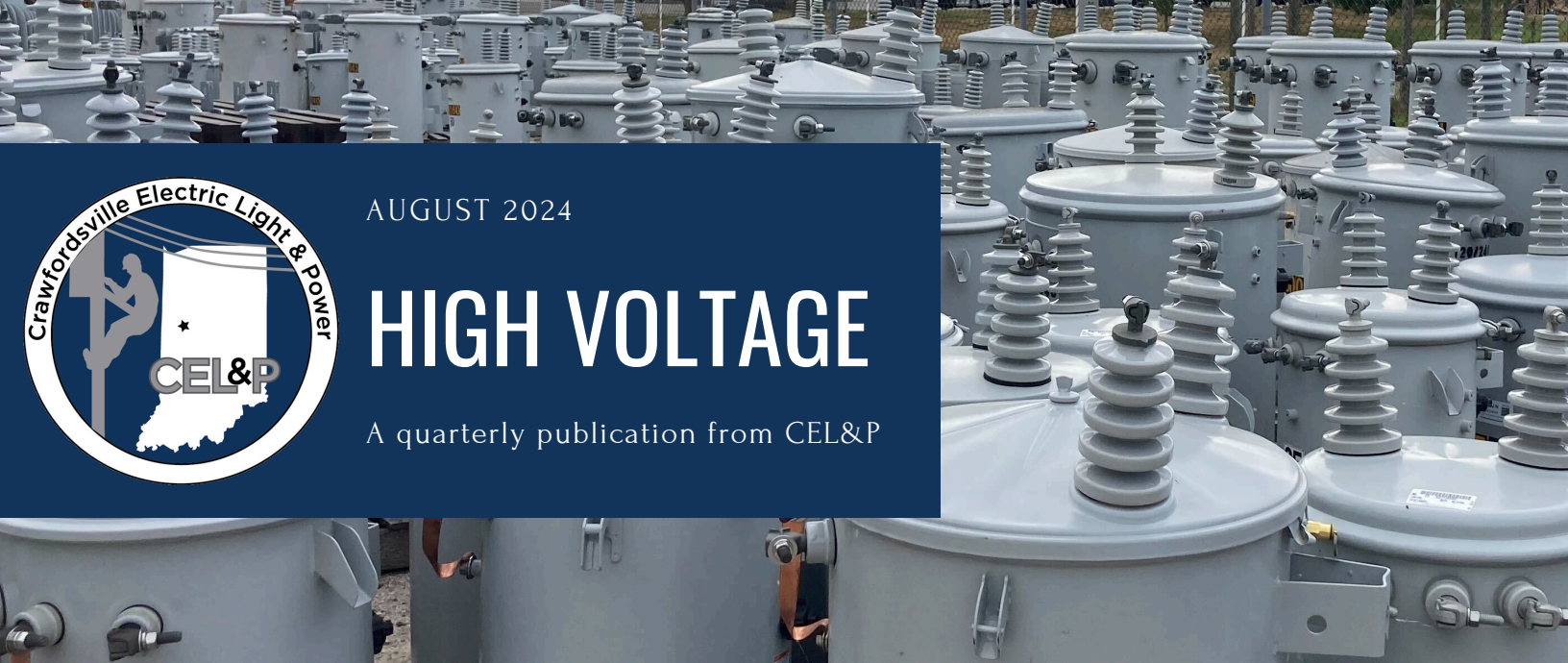




AUGUST 2024

HIGH VOLTAGE

A quarterly publication from CEL&P



Back to School, Back to Energy Savings



The days are turning shorter, vacation is over and kids are headed back to school. It's the perfect time to get more serious about saving energy. These quick, cost-saving tips will help you adjust your energy use to match your family's new routine.

Program your thermostat

You can save a lot of energy by adjusting the thermostat to match your family's school and work schedule. Why waste energy keeping an empty house comfortable? Wi-Fi programmable thermostats optimize savings and convenience by automatically adjusting temperatures based on your schedule. You can also take advantage of smart features, such as remote control.

Get smarter with power strips

Electronic devices — such as TVs, game consoles and chargers — continue to draw power, even when no one is home to use them. Advanced power strips provide a smart, energy-saving solution. They automatically cut power to devices when they're not in use.

Draw the curtain on heat gain

Close window treatments when you leave for the day. This will help block solar heat gain that gets trapped inside your home. Otherwise, your air conditioning system works harder, even at a higher, energy-saving setting.

Close the door on energy waste

As you're packing lunches, you may find yourself opening and closing the refrigerator door a lot. This makes the refrigerator work harder to maintain a consistent temperature and keep things cool.

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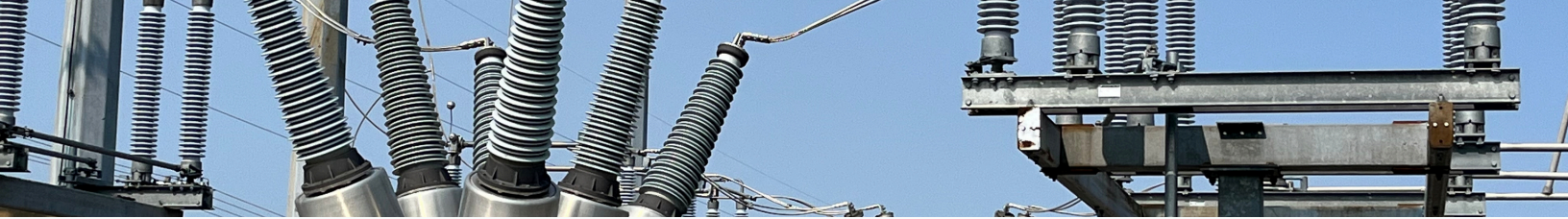
Power Outages: Before, During, and After

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How Do They Do That? Wireless Charging

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Take out everything you need at once and close the door quickly. This makes lunch ingredients easier to access and quicker to pack, as well as saves time and energy.

Call a pro
Summer heat and humidity can be hard on your home. Call a qualified professional to inspect and clean your furnace to ensure it's running efficiently.
Also consider a home energy audit. Your auditor will inspect your home and provide you with a set of customized recommendations that will improve comfort and efficiency all year long.

Power Outages: Before, During and After

Although your electric service is generally very reliable, extreme weather conditions and other factors can lead to a temporary loss of power. To stay safe and comfortable during an extended outage, it's best to be prepared. The following checklists will help you be ready before the power goes out, as well as guide you on what to do during and after an outage.



Before an outage

- Store flashlights around the house in readily accessible areas, and maintain an adequate supply of candles.
- Keep a supply of fresh batteries for radios, flashlights and other electronic devices.
- Maintain supplies of healthy and filling snacks that don't require refrigeration, such as dried fruits, nuts and protein bars.
- Have heavy blankets and quilts available in case an outage occurs during cold weather.
- If a family member requires access to powered medical equipment, coordinate an emergency plan with your doctor.
- Maintain backup generators according to manufacturer's recommendations and store an adequate supply of fuel in a safe place.

During an outage

- Monitor local radio stations and mobile devices for reports about power restoration activities.
- Disconnect or switch off appliances and electronic equipment that were running when the power went out. Leave a single light on so you know when power is restored.
- Avoid opening refrigerators and freezers to save cold air and preserve food longer.
- Keep candles away from furniture, window treatments and other flammable materials.
- In cold weather, wear extra layers of clothing to stay warm, and put extra blankets on beds.
- In warm weather, open windows to keep the house cool and drink plenty of fluids.
- Operate backup generators safely by following manufacturer's instructions. Don't attempt to connect your generator to the electrical system; it can backfeed to outdoor utility lines and injure or kill utility service personnel. An automatic transfer switch—installed by a qualified electrician—will help to ensure safe operation.



After an outage

- Wait 10 or 15 minutes after power is restored and then gradually turn on appliances and equipment; this will protect your devices and avoid overloading the power system.
- Don't enter a flooded home unless you're sure the power is shut off. Avoid using any flooded appliances or equipment unless they have been inspected by a qualified technician.
- Discard any perishable items in your refrigerator or freezer that may not be safe to consume. A refrigerator keeps food at a safe temperature for up to four hours during a power outage, if it remains closed. The U.S. Department of Health and Human Services recommends that you discard foods such as meat, poultry and eggs if they have been above 40°F for more than two hours.

With some careful preparation and a little attention to detail, you and your family will stay warm, safe and comfortable until power is restored.

Budget Billing

Don't get caught off guard by a high electric bill. Level out your monthly bill by signing up for CEL&P's Budget Billing payment option. This program allows customers to pay the same amount each month, with July being the settle-up month. Call 765-362-1900 and sign up today. Sign-up is only available from August 1st - October 31st.

Power Outage Information

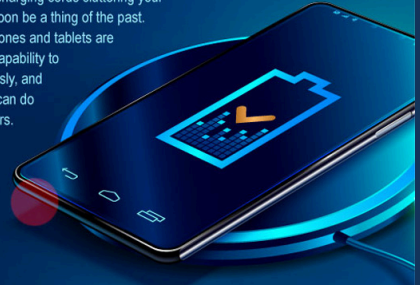
If you lose power due to wind, rain, or other circumstances, CEL&P crews will work quickly to restore your power. Report downed power lines by calling CEL&P at 765-362-1900 24 Hours a Day, 7 Days a week or call 911. Outage information updates will be posted on our Facebook, Instagram, and Twitter pages.



HOW DO THEY DO THAT?

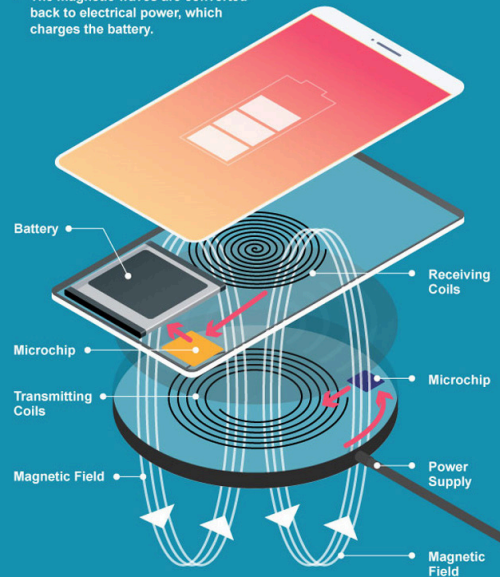
WIRELESS CHARGING

The tangle of charging cords cluttering your counter may soon be a thing of the past. Many smartphones and tablets are built with the capability to charge wirelessly, and older devices can do so with adapters.



BASIC TECHNOLOGY

- Electrical power is generated by a power supply and converted to magnetic waves.
- The transmitting coil in the charging mat sends waves to the receiving coil in the device.
- The magnetic waves are converted back to electrical power, which charges the battery.



THE TWO TYPES

Electromagnetic Induction

- Because the magnetic field created by inductive wireless technology is so scattered, the coils must be close together and line up properly, so the phone must be placed directly on the mat.



Magnetic Resonance

- Coils operating at identical resonant frequencies allow multiple devices to be charged at once, and they can be placed farther from the transmitting coils.

