A Touchstone Energy® Cooperative
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620-397-5327
www.lanescott.coop

Lane-Scott Electric Cooperative

LANE-SCOTT
ELECTRIC COOPERATIVE

Connections

In Case of an Outage

If your electricity is off for more than a few minutes, call 800-407-2217. Office hours are 8 a.m. to 5 p.m. After- hours calls will be answered by the dis-patch and standby personnel.

24-hour Electrician Service

If you are without electricity or have an electrical emergency on your side of the meter, we have a master electrician on staff available 24 hours a day.

Energy Efficiency—Proper Insulation

One of simplest ways to reduce your home's heating and cooling costs–and improve comfort–involves installing proper insulation. Doing so provides resistance to heat flow. The more heat flow resistance your insulation provides, the lower your heating and cooling costs.

Heat flows naturally from a warmer to a cooler space. In winter, heat moves directly from heated living spaces to adjacent unheated attics, garages, basements, and even outdoors. It can also travel indirectly through interior ceilings, walls, and floors–wherever there is a difference in temperature.

During the summer cooling season, the reverse takes place. Heat flows from the outdoors to the interior of a house.

To maintain comfort, heat lost in the winter must be replaced by your heating system. In summer, heat gained must be removed by your cooling system. Proper insulation, though, decreases heat flow.

Heat flow resistance is measured or rated in terms of its R-value. The higher the R-value, the greater the insulation's effectiveness.

When calculating the R-value of a multilayered installation, add R-values of individual layers. Installing more insulation in your home increases the R-value.

Insulation effectiveness also depends on how and where it's installed. For example, insulation that gets compressed will not provide its full rated R-value. The overall R-value of a wall or ceiling will be somewhat different from the R-value of the insulation because some heat flows around the insulation through studs and joists. Therefore, it's important to properly install your insulation to achieve the maximum R-value.

Thank You Notes to Lane-Scott

Dear Lane-Scott,

Thank you from the Dighton High School Electrathon team for you continued support.

Having Lane-Scott Electric help support us makes things a lot easier to get done and to keep our cars on the track. We wouldn't be where we are today with our program without the help of Lane-Scott Electric. The support you give us is very appreciated and well used.

Sincerely,
The DHS Electrathon Team

Dear Lane-Scott,

Thank you!

Sincerely,
The KPRA Barrel Racers and the Down Syndrome Society of Kansas Buddy Walk

Dear Lane-Scott,

Thank you for the money you gave me to go on My trip to the National Pedal Pull in Mitchell, South Dakota. It was a great experience and I had a good time!

Thank you again,
Alexis Peck

Dear Lane-Scott,

Thank you so much for my gift certificate! I appreciate your thoughtfulness to new Healy residents!

Sincerely,
Vera Briffington

What You Should Know About Generator Safety

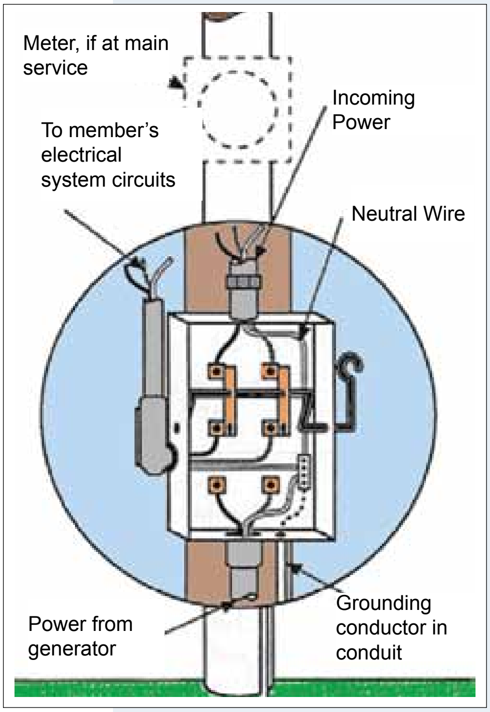
If you are planning to purchase a generator as a back up power source during power outages, remember, improper generator hookup can create serious problems in safety and service.

A backup generator can be a nice thing to have when power failure occurs and for some people, such as those dependent on life-support equipment, a backup generator is essential.

Whether you need a generator or simply enjoy its convenience, it's important to keep it in good working order and use it safely to get the maximum benefit from your investment. These tips can help you maintain and operate your generator safely:

- **Know your generator!** Read all the information on installation, safety and maintenance, and follow instructions regarding maintenance and testing.
- **Turn off the main power** switch or breaker in your home before using your generator
- **Use it wisely.** Don't overload the generator. It should be used only when necessary, and only to power essential equipment. Do not exceed the rated capacity of the generator. Overloading it can cause damage to the generator and the appliance connected to it. Overloading can also cause wear and tear and could present fire and safety hazards.
- **Plug appliances directly** into generator itself or have a transfer or double-throw switch installed. Don't try to wire your home's electrical system into the generator. Have a qualified electrician install the double-throw switch.
- **Take care when fueling** your generator! Never try to refuel the unit while it's operating. Avoid spilling gasoline or other fuels on hot components, as this can cause an explosion.
- **Provide adequate ventilation** and air cooling for the generator to prevent overheating and the accumulation of toxic exhaust fumes. Do not run generators indoors. Always run generators outside, downwind of structures and as far away as possible.

If you are planning to install a standby generator and have questions about installation and the use of a double-throw switch, please contact the Lane-Scott office.



The Double-Throw Switch—An Essential Element

Adding a standby generator to the electrical system of a home, farm or business requires a suitable transfer switch to disconnect the electric loads from Lane-Scott Electric's power grid. This is a requirement of both the National Electrical Code and all electric power suppliers for two critical reasons:

- It prevents the flow of current into Lane-Scott Electric's lines during an outage, which could electrocute line workers attempting to restore power.
- It prevents feedback of power through the generator when regular electric service has been restored, which could destroy the generator.

Any type of generator that serves loads through the permanent wiring system of the home, business or farmstead must use a suitable transfer switch, installed by an experienced electrician.

Double-throw means that the operator can place or "throw" the switch into two different positions. One position feeds power from the utility system to the load. The other position feeds power from the standby generator to the load.

Such a switch will prevent electricity from flowing simultaneously to the customer's home, business or farmstead, and Lane-Scott Electric's system. Typically, the transfer switch is located between the meter and the loads to be served. It should be within 25 feet of the generating unit for convenience and safety.

The size of the transfer switch is determined by the loads to be served. The transfer switch rating must be equal to the size of the main service (typically 100, 200 or 400 amperes).

A suitable transfer switch, installed by an experienced electrician and approved by Lane-Scott Electric, prevents injury to utility personnel and damage to the generator.