

# KILOWATT



An Oklahoma Living Supplement

Published monthly for the Members of Kiwash Electric Cooperative, Inc. Cordell, Oklahoma • www.kiwash.coop

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Got a suggestion for a story in a future issue of Kilowatt?

Call Lisa at 1-888-832-3362

**Kiwash Electric Cooperative will be closed Thursday, November 22 and Friday, November 23 for the Thanksgiving holiday.**

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Cordell, Oklahoma  
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**Kitchen Aid** - Free shipping with purchases over \$75.

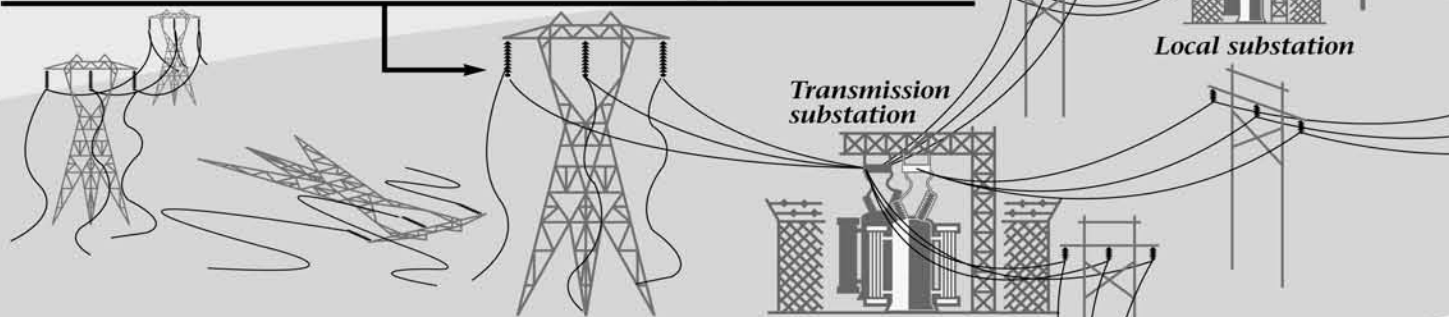
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Log on to [www.connections.coop](http://www.connections.coop) for details of all the new local Oklahoma and national discounts available.

# The steps to restoring power

**Step 1.** Transmission towers and lines supply power to one or more transmission substations. These lines seldom fail, but they can be damaged by a hurricane or tornado. Tens of thousands of people could be served by one high-voltage transmission line, so if there is damage here it gets attention first.



**Step 2.** A co-op may have several local distribution substations, each serving thousands of consumers. When a major outage occurs, the local distribution substations are checked first. A problem here could be caused by failure in the transmission system supplying the substation. If the problem can be corrected at the substation level, power may be restored to a large number of people.



**Step 3.** Main distribution supply lines are checked next if the problem cannot be isolated at the substation. These supply lines carry electricity away from the substation to a group of consumers, such as a town or housing development. When power is restored at this stage, all consumers served by this supply line could see the lights come on, as long as there is no problem farther down the line.

**H**urricanes and ice storms. Tornadoes and blizzards. Electric cooperative members have seen them all. And with such severe weather comes power outages. Restoring power after a major outage is a big job that involves much more than simply throwing a switch or removing a tree from a line.

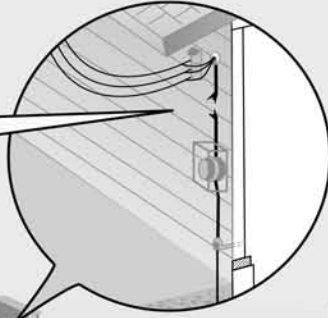
The main goal is to restore power safely to the greatest number of members in the shortest time possible.

The major cause of outages is damage caused by fallen trees. That's why your electric cooperative has an ongoing right-of-way maintenance program.

This illustration explains how power typically is restored after a major disaster.

**Area enlarged:** Consumers themselves (not the co-op) are responsible for damage to the service installation on the building. Your co-op can't fix this. Call a licensed electrician.

**Step 5.** Sometimes, damage will occur on the service line between your house and the transformer on the nearby pole. This can explain why you have no power when your neighbor does. Your co-op needs to know you have an outage here, so a service crew can repair it.



Tap Line

Other co-ops

During a major outage, other cooperatives send line crews to assist with restoring power. These additional crews, as well as communications equipment and supplies, are coordinated through the cooperatives' statewide organization.

Local substation

**Step 4.** The final supply lines, called tap lines, carry power to the utility poles or underground transformers outside houses or other buildings. Line crews fix the remaining outages based on restoring service to the greatest number of consumers.

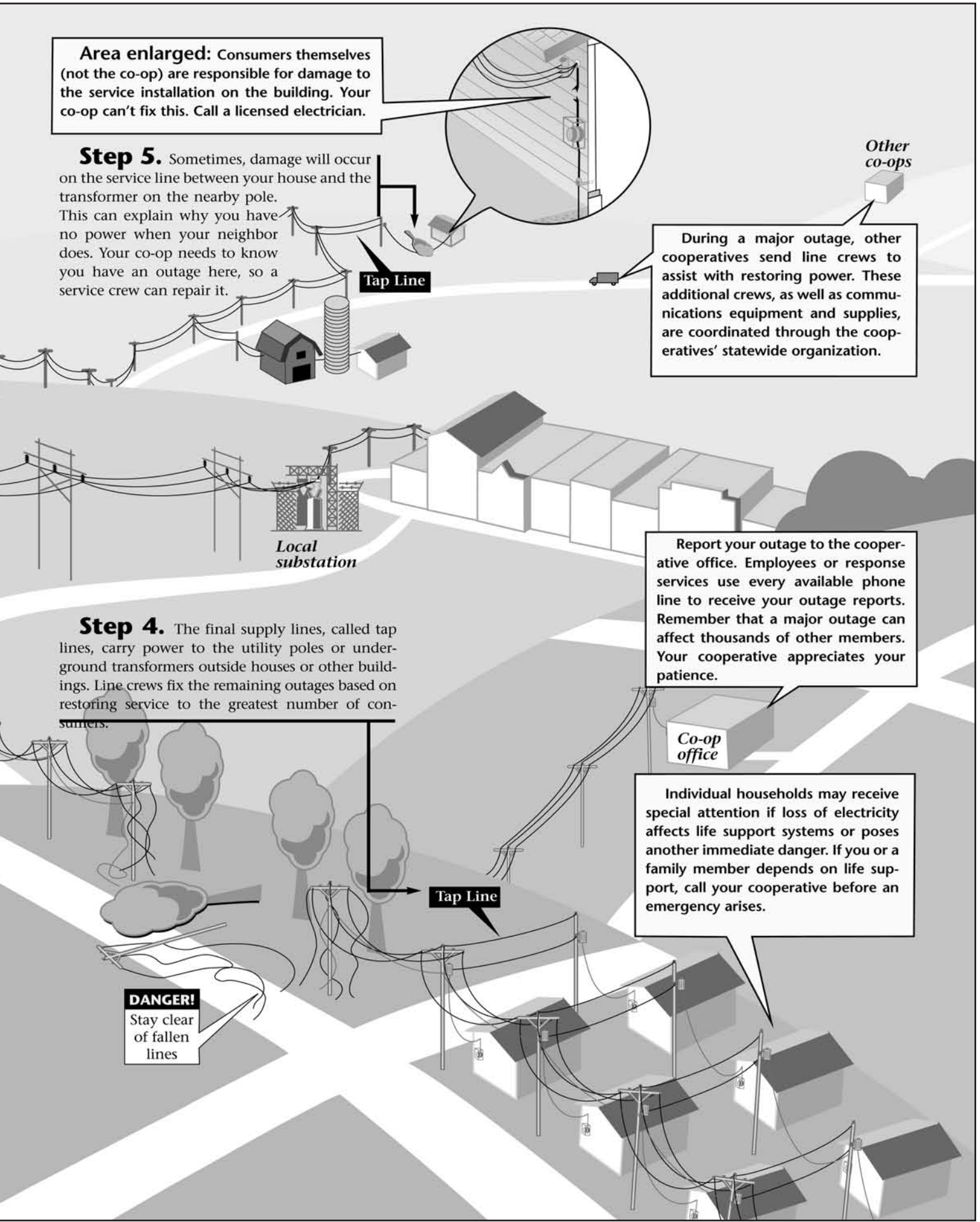
Report your outage to the cooperative office. Employees or response services use every available phone line to receive your outage reports. Remember that a major outage can affect thousands of other members. Your cooperative appreciates your patience.

Co-op office

Individual households may receive special attention if loss of electricity affects life support systems or poses another immediate danger. If you or a family member depends on life support, call your cooperative before an emergency arises.

Tap Line

**DANGER!**  
Stay clear of fallen lines



# Pumpkin Pancakes

1 cup all-purpose flour  
1 tablespoon sugar  
2 teaspoons baking powder  
1/2 teaspoon salt  
1/2 teaspoon ground cinnamon  
2 eggs, *separated*  
1 cup milk  
1/2 cup canned pumpkin  
2 tablespoons vegetable oil



For pancakes, in a large bowl, combine the dry ingredients. In another bowl, whisk the egg yolks, milk, pumpkin and oil until smooth. Stir into dry ingredients just until moistened. In a small mixing bowl, beat the egg whites until soft peaks form; fold into batter.

Pour batter by 1/4 cupfuls onto a hot greased griddle. Turn when bubbles form on top of pancakes. Cook until second side is golden brown. Serve with syrup. **Yield:** 15 pancakes (1 cup syrup).

## Keep the cold air outside this winter

Don't let your hard-earned money blow away through drafty doors and windows, as well as un-insulated attics, walls, floors, and basements. As we stay indoors to stay warm this winter, save your money and reduce your utility bills by following the energy efficiency tips below:

Find air leaks inside and around the exterior of the home. Check around fixtures that penetrate walls, such as exhaust fans and electrical outlets. Look for unfilled gaps and cracks near dryer vents, chimneys and faucet pipes.

Seal leaks between moving parts with weather stripping, such as between a door and its frame. Caulk cracks between windows and walls, as well as around door frames.

Replace your screens with storm windows and doors. If you have older or leaky windows that you can't replace, consider doing temporary fixes, such as plastic film kits that create the effect of an interior storm window.

If you are shopping for new windows, doors, or skylights, look for ones with the Energy Star label.

Make sure attics and flooring above unheated areas, such as crawl spaces and the garage, are properly insulated.

Have your furnace checked by a professional to make sure it's operating safely and at its optimal level. In addition, change your furnace filters monthly.

Have a programmable thermostat installed to automatically raise and lower home temperatures for energy savings by day and night.

## Statement of Non-Discrimination

Kiwash Electric Cooperative, Inc. is the recipient of federal financial assistance from the Rural Utilities Service, an agency of the U.S. Department of Agriculture, and is subject to the provisions of Title VI of the Civil Rights Act of 1964, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Age Discrimination Act of 1975, as amended, and the rules and regulations of the U.S. Department of Agriculture which provide that no person in the United States on the basis of race, color, national origin, age or handicap shall be excluded from participation in, admission or access to, denied the benefits of, or otherwise be subjected to discrimination under any of this organization's programs of activities.

The person responsible for coordinating this organization's non-discrimination compliance efforts is Dennis Krueger, General Manager. Any individual, or specific class of individuals who feels that this organization has subjected them to discrimination may obtain further information about the statutes and regulations listed above and/or file a written complaint with this organization; or the Secretary, U.S. Department of Agriculture, Washington, D.C. 20050; or the Administrator, Rural Utilities Service, Washington, D.C. 20250.

Complaints must be filed within 180 days after the alleged discrimination. Confidentiality will be maintained to the extent possible.

Signed: Dennis Krueger  
Kiwash Electric Cooperative, Inc.

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To report the events in your community, or for more information, call Kiwash Electric Cooperative.  
**1-888-832-3362**