

energy update



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Normal power line **Lines weighed down by ice** **Top line melted after bottom line**

ICE ON POWER LINES IS A WEIGHTY SUBJECT

When it comes to getting electricity across power lines and into homes, ice can be a force to be reckoned with.

ICE ON DISTRIBUTION LINES

Ice can quickly lead to broken power poles and other pole equipment. Ice can also make falling tree branches 30x heavier and much more likely to break power lines.

ON A 300-FOOT SPAN OF 1-INCH-THICK POWER LINES

- 1/2 inch of ice adds 281 pounds of weight
- 1 inch of ice adds 749 pounds of weight
- 2 inches of ice adds 2,248 pounds of weight

WHEN ICE MELTS

Melting ice can cause power outages. If ice on the bottom (neutral) line melts before the lines above, it can cause the lines to touch.

OTHER ICE FACTS

- Damage can begin when ice exceeds 1/4 of an inch
- 1/2 inch of ice can cause a line to sag up to 12 inches
- Pressure can also be caused by a broken tree limb
- Both ice and melting ice can cause power outages

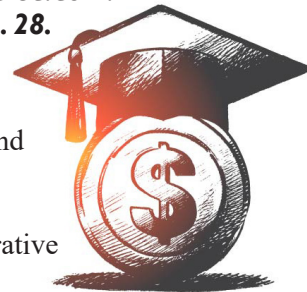
Source: Jerri Imgarten-Whitley and Victory Electric Cooperative

SCHOLARSHIP OPPORTUNITY

Graduating high school seniors entering a course of study in the electric field are encouraged to apply for a cooperative scholarship. Students' parents or guardians are not required to be ACEC members but must reside within the boundaries of our service area.

**Applications are available at acrec.com.
The application deadline is Feb. 28.**

The scholarship fund was established in 1995 in memory of Robert Hauschild by his wife and family. This annual scholarship(s) recognizes Bill's dedication and service as a director of the Cooperative from his election September 10, 1988, until his death March 17, 1993.



Since the Cooperative established the fund in 1995, the Co-op has awarded 44 scholarships totaling \$18,800.

Energy Efficiency Tip of the Month

About 30% of a home's heating energy is lost through inefficient windows. Caulk and weatherstrip all windows to seal air leaks.

When running your home heating system, lock all operable windows to ensure the tightest seal possible.

Source: Dept. of Energy

