



Farming Safely Around Electricity



Our high-voltage power transmission system – composed of towers, poles, lines and substations – is designed to deliver electricity to your community safely and reliably. Since transmission lines often run through rural communities, it's essential for everyone to know the safe practices for living and working near transmission lines.

Working Around Transmission Towers, Lines and Guy Wires

When working around your farm, it is critical to be aware of the height of your equipment and the location of overhead lines and guy wires and maintain a safe distance. Keep equipment such as ladders, poles and vehicles away from lines and other electrical equipment. Be aware that non-metallic materials such as hay, lumber, tree limbs, and some tires can conduct electricity.

If you are in a vehicle that makes contact with a power line, be sure to remain in the vehicle until it is a safe distance from the line. If you accidentally break or damage a guy wire, or a plane damages a wire or tower, please let us know by calling 877-ITC.ITC9 (877.482.4829). If someone is injured by coming into contact with electrical equipment, **call 911 and inform the operator that it's an electrical emergency.**

Spring Planting Safety

During spring planting season, pay attention to planter guides and extended arms on farm equipment. Keep machinery a safe distance away from power lines. Take care around guy wires that stabilize power poles. Snagging these wires can cause damage to equipment, cause power outages and put you in harm's way.

Fall Harvest Safety

During fall harvest, pay attention to augers and extended arms on farm equipment to make sure you allow plenty of clearance around power lines. Take care around guy wires that stabilize power poles. Snagging these wires can cause damage to equipment, cause power outages and put you in harm's way.

Contact ITC at 877.ITC.ITC9 (877.482.4829)

Visit: www.itc-holdings.com/why-itc/safety

Look Up! Watch Out!

STAY CLEAR OF:

- Electric power structures
- Overhead wires
- Guy wires that stabilize power poles

IF YOU ENCOUNTER A DOWNED WIRE, CALL 911.

Always assume a downed wire is live. Keep yourself and others away until emergency workers arrive.

About ITC:

ITC is the nation's largest independent electricity transmission company – owner and operator of transmission systems in seven states. We strive for operational excellence, which includes keeping the public and our workers safe around electrical equipment.

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Irrigation Systems and Transmission Corridors

ITC understands the needs of agricultural land owners to irrigate cropland. Irrigation systems sometimes have compatibility implications for the safe and reliable operation of ITC transmission lines on easements or fee-owned property, and the safety and business interests of a farmer or rancher.

Water and metal pipe are good conductors of electricity, so irrigation systems should never spray a continuous stream onto or near transmission lines or towers. Our engineers work closely with landowners to determine a safe approach to installing irrigation systems near transmission lines.

- For installations of irrigation systems that will encroach on ITC easements, the landowner must contact ITC to approve the installation. This will be evaluated based on clearance limits from the transmission line, future plans for the easement that may interfere with the irrigation system, and safety concerns.
- The use of ITC-owned land for farming purposes is available under contracted arrangements. Do not use ITC-owned land for farming (or any other use) unless you have authorization from ITC.
- When working with irrigation pipe, the pipe should be handled while it's horizontal and perpendicular to the conductors. If lengths of pipe must be laid out parallel to the conductors, they must be grounded. Maintenance of traveling irrigation systems should be done with the pipe being perpendicular to the conductors.



Get Grounded

It is important to ensure that irrigation systems are properly grounded to allow any induced charges to be safely carried to ground.

- Always ground all irrigation systems well. The metal pipe, if ungrounded, can be instantly charged with unsafe voltage. Grounding prevents this by safely and continuously carrying the charge to ground. If an existing, grounded system has to be separated for maintenance, a ground should first be added to the section to be removed.
- When working under transmission lines and handling irrigation pipe, always keep a safe distance from transmission lines to prevent any contact or flashover.
- When working with irrigation systems in dry conditions, new pipe to be connected should first have a bonding wire connected across a joint to drain off any accumulated charge to the existing pipe network and its ground.
- Contact ITC with questions or concerns about the irrigation system, spray path, property or specific situation so that our team can help you achieve a safe installation.



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The information contained herein is subject to change without notice. This information is not intended to supersede or replace any applicable easements, licenses, contracts or agreements between ITC and anyone or any applicable ITC policies, government regulations or laws including but not limited to the National Electric Safety Code (NESC).

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